

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072219\
 Data File : VX011019.D
 Acq On : 22 Jul 2019 10:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 11:09:02 AM

Quant Time: Jul 23 04:49:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	325070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118128	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	5.49	113	104819	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	8.71	98	381416	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	151237	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111043	47.386	ug/l	99
3) Chloromethane	1.32	50	92106	45.548	ug/l	99
4) Vinyl Chloride	1.41	62	97355	47.200	ug/l	99
5) Bromomethane	1.64	94	50492	43.441	ug/l	99
6) Chloroethane	1.71	64	61069	46.591	ug/l	95
7) Trichlorofluoromethane	1.92	101	171403	49.092	ug/l	95
8) Diethyl Ether	2.19	74	59487	49.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98959	49.640	ug/l	99
10) Methyl Iodide	2.51	142	122850	46.960	ug/l	99
11) Tert butyl alcohol	3.04	59	131400	241.183	ug/l	98
12) 1,1-Dichloroethene	2.37	96	94027	48.005	ug/l	98
13) Acrolein	2.29	56	82997	263.671	ug/l	99
14) Allyl chloride	2.72	41	143354	50.387	ug/l	100
15) Acrylonitrile	3.14	53	277980	252.502	ug/l	100
16) Acetone	2.44	43	294101	278.355	ug/l	98
17) Carbon Disulfide	2.57	76	229837	45.745	ug/l	99
18) Methyl Acetate	2.77	43	122148	50.772	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	335331	53.182	ug/l	98
20) Methylene Chloride	2.85	84	107247	47.898	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	99813	48.028	ug/l	96
22) Diisopropyl ether	3.85	45	302105	50.348	ug/l	92
23) Vinyl Acetate	3.81	43	1369894	269.448	ug/l	99
24) 1,1-Dichloroethane	3.69	63	169027	48.505	ug/l	99
25) 2-Butanone	4.67	43	409792	270.188	ug/l	99
26) 2,2-Dichloropropane	4.57	77	147678	51.613	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	116973	48.633	ug/l	100
28) Bromochloromethane	5.01	49	83248	50.695	ug/l	100
29) Tetrahydrofuran	5.12	42	241517	251.389	ug/l	100
30) Chloroform	5.21	83	188405	50.020	ug/l	99
31) Cyclohexane	5.57	56	148526	46.761	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	164581	50.505	ug/l	100
36) 1,1-Dichloropropene	5.79	75	133367	49.947	ug/l	99
37) Ethyl Acetate	4.83	43	144582	52.880	ug/l	98
38) Carbon Tetrachloride	5.78	117	147455	52.995	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171505	49.530	ug/l	98
40) Benzene	6.13	78	404008	49.394	ug/l	99
41) Methacrylonitrile	5.04	41	80165	51.649	ug/l	97
42) 1,2-Dichloroethane	6.19	62	151697	53.341	ug/l	98
43) Isopropyl Acetate	6.43	43	241953	53.818	ug/l	99
44) Trichloroethene	7.21	130	118020	48.747	ug/l	93
45) 1,2-Dichloropropane	7.51	63	104095	50.003	ug/l	97
46) Dibromomethane	7.66	93	79721	53.592	ug/l	100
47) Bromodichloromethane	7.89	83	147511	55.707	ug/l	99
48) Methyl methacrylate	7.76	41	118364	54.044	ug/l	97
49) 1,4-Dioxane	7.74	88	62334	1017.484	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	781854	268.278	ug/l	100
52) Toluene	8.78	92	264017	49.136	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	165453	58.110	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	176330	55.655	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117253	52.998	ug/l	99
56) Ethyl methacrylate	9.18	69	180792	55.866	ug/l	99
57) 1,3-Dichloropropane	9.37	76	182104	51.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	422400	273.428	ug/l	100
59) 2-Hexanone	9.49	43	614249	271.742	ug/l	100
60) Dibromochloromethane	9.58	129	133199	52.196	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125938	53.638	ug/l	98
64) Tetrachloroethene	9.34	164	116134	47.965	ug/l	97
65) Chlorobenzene	10.13	112	308241	48.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	118420	53.301	ug/l	100
67) Ethyl Benzene	10.25	91	532281	49.469	ug/l	99
68) m/p-Xylenes	10.35	106	414521	100.431	ug/l	99
69) o-Xylene	10.69	106	201709	50.075	ug/l	99
70) Styrene	10.71	104	350108	52.139	ug/l	100
71) Bromoform	10.85	173	104455	51.553	ug/l #	99
73) Isopropylbenzene	11.02	105	543290	47.747	ug/l	100
74) N-amyl acetate	10.90	43	225623	51.896	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	184390	49.518	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	159832m	52.597	ug/l	
77) Bromobenzene	11.25	156	150194	47.854	ug/l	98
78) n-propylbenzene	11.36	91	613210	48.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	369188	48.883	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	467356	49.155	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	59264	49.457	ug/l	99
82) 4-Chlorotoluene	11.51	91	431363	49.073	ug/l	99
83) tert-Butylbenzene	11.77	119	460279	49.285	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	471999	49.254	ug/l	100
85) sec-Butylbenzene	11.94	105	542569	49.581	ug/l	100
86) p-Isopropyltoluene	12.06	119	512924	50.700	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	268967	49.381	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	269307	48.209	ug/l	97
89) n-Butylbenzene	12.38	91	446459	51.583	ug/l	99
90) Hexachloroethane	12.59	117	85195	53.391	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	267708	49.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41228	52.967	ug/l	97

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ClientSampleId :
VSTDCCC050

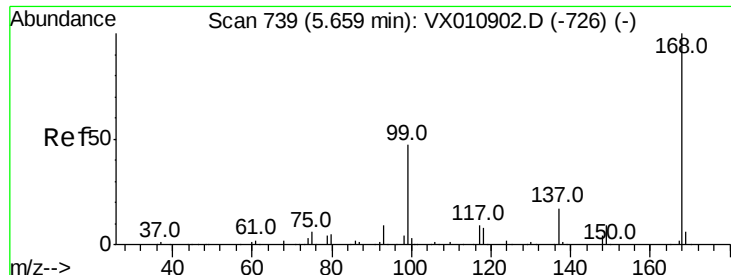
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jul 20 04:05:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	191895	52.454	ug/l	100
94) Hexachlorobutadiene	13.78	225	92614	51.086	ug/l	98
95) Naphthalene	13.83	128	573135	53.054	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	188551	51.799	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

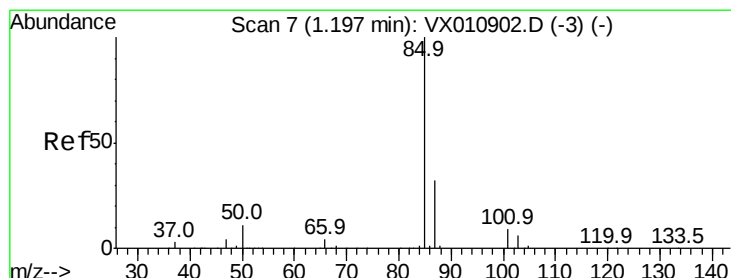
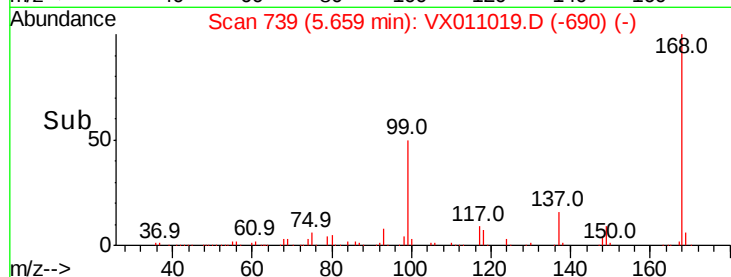
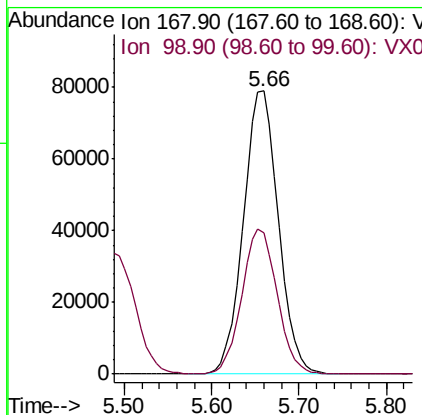
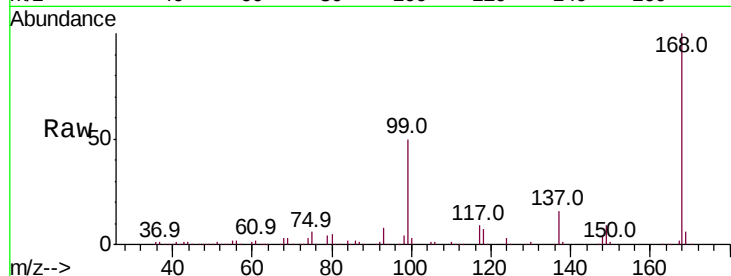
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.8	37.6	56.4

Manual Integrations
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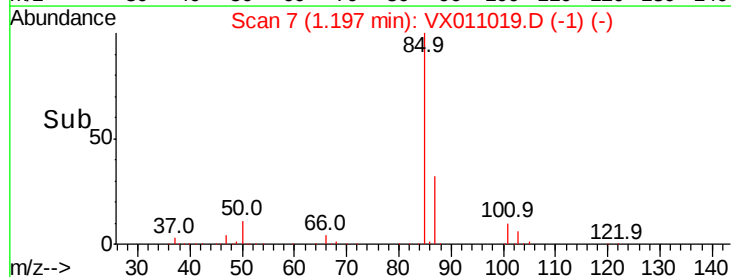
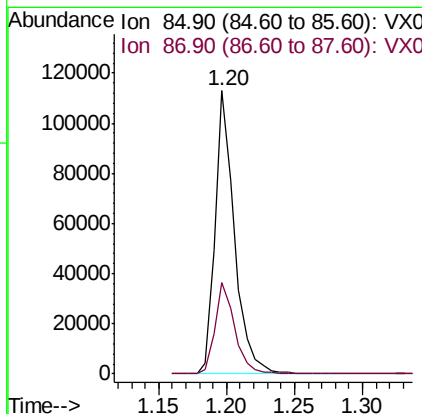
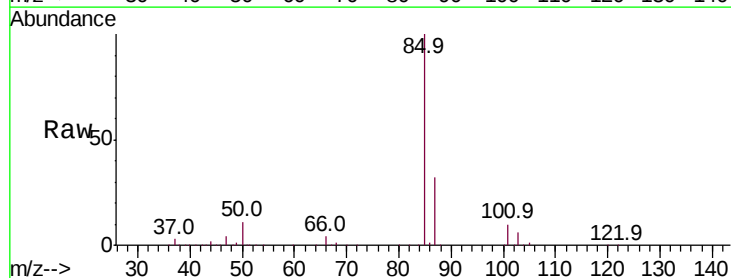
MMDadoda
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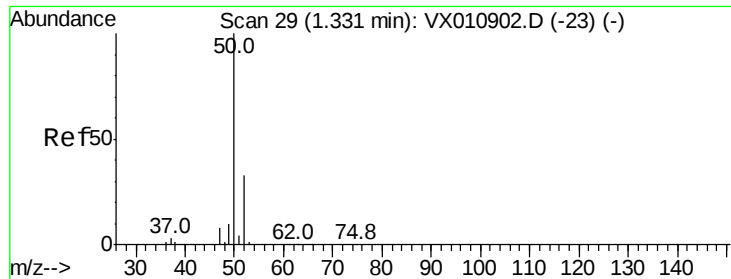


#2

Dichlorodifluoromethane
 Concen: 47.386 ug/l
 RT: 1.20 min Scan# 7
 Delta R.T. 0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.9	47.7





#3

Chloromethane

Concen: 45.548 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 92106

Ion Ratio Lower Upper

50 100

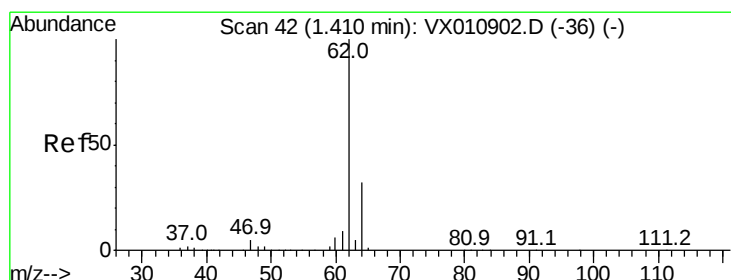
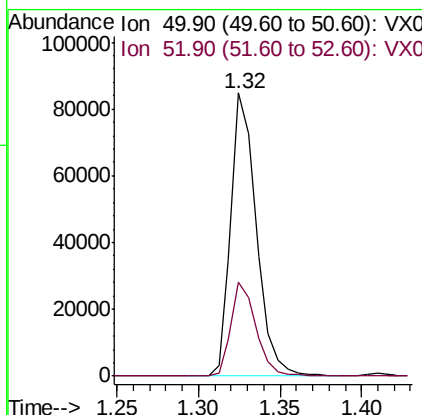
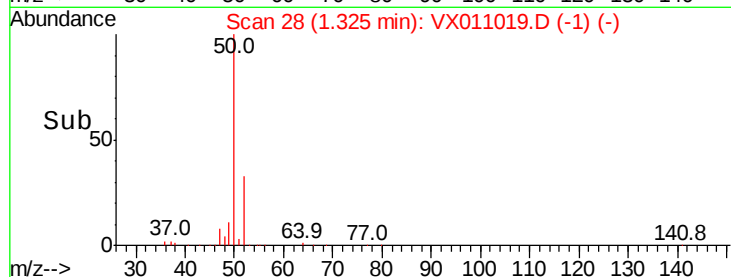
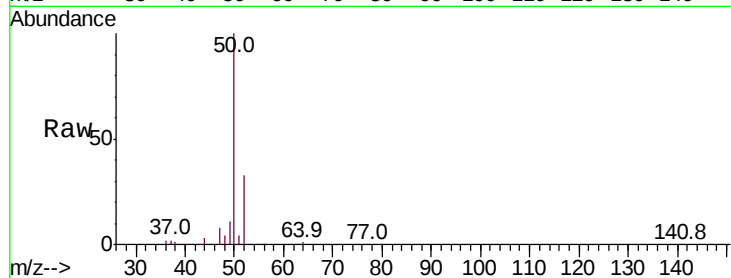
52 33.3 26.4 39.6

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#4

Vinyl Chloride

Concen: 47.200 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011019.D

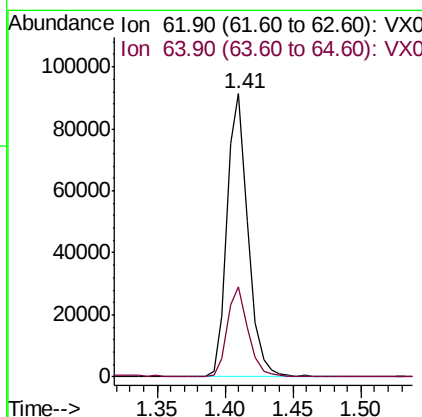
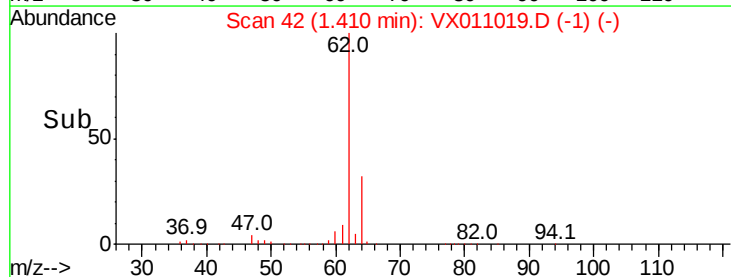
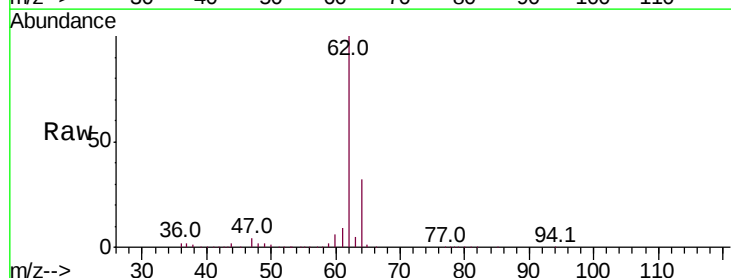
Acq: 22 Jul 2019 10:21

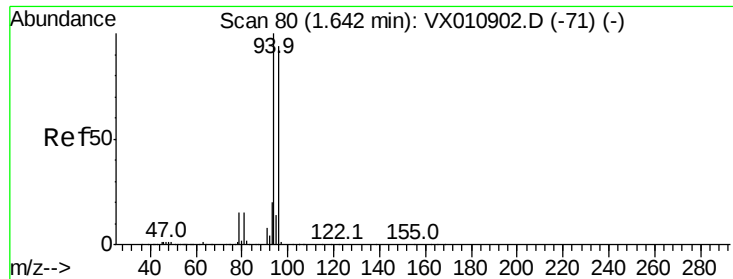
Tgt Ion: 62 Resp: 97355

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 43.441 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 50492

Ion Ratio Lower Upper

94 100

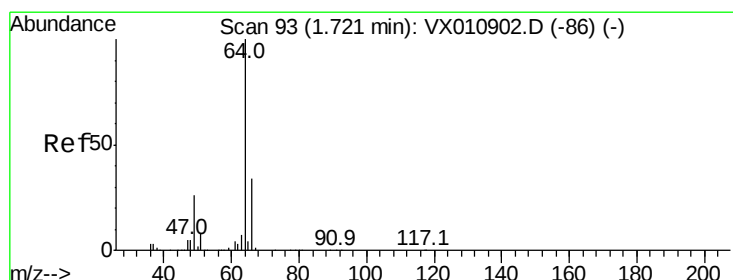
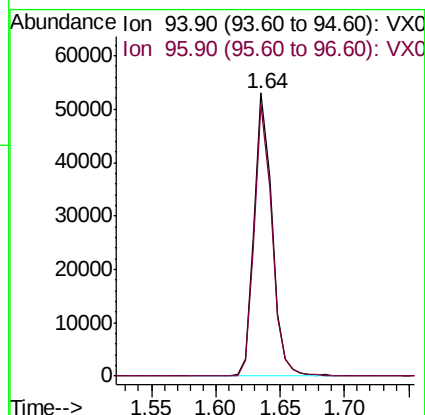
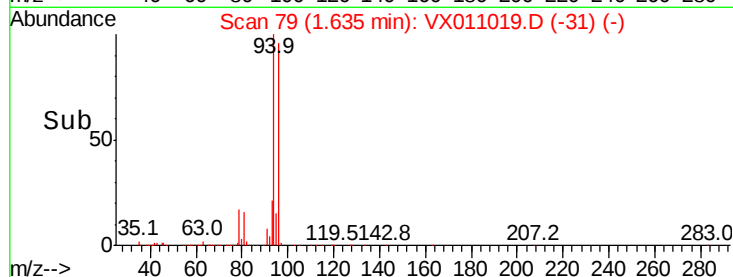
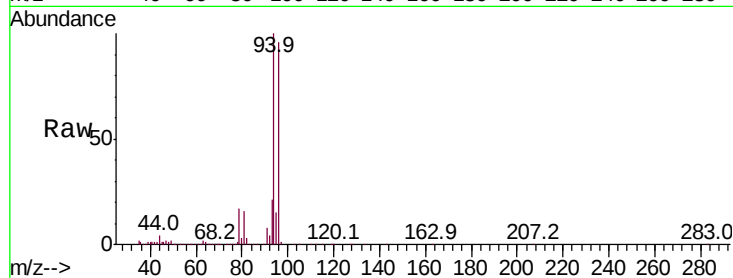
96 95.7 75.6 113.4

Manual Integrations

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#6

Chloroethane

Concen: 46.591 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011019.D

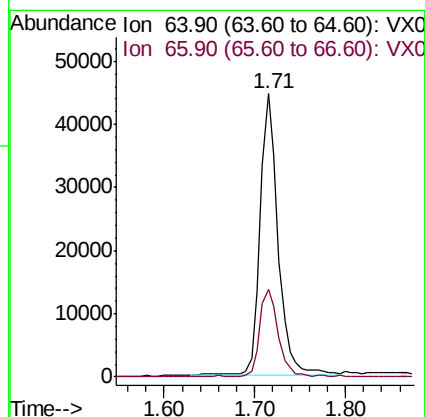
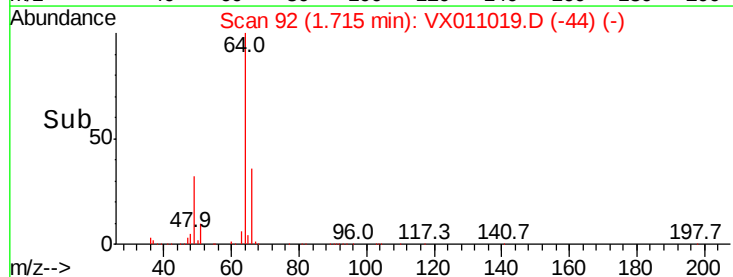
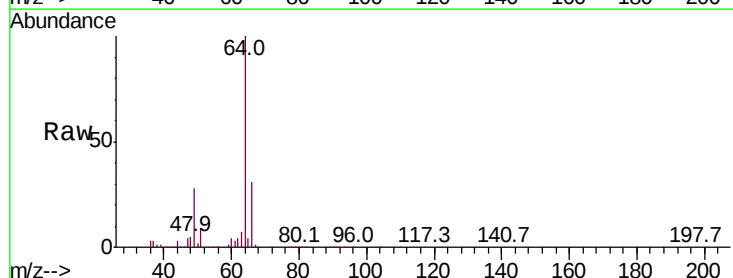
Acq: 22 Jul 2019 10:21

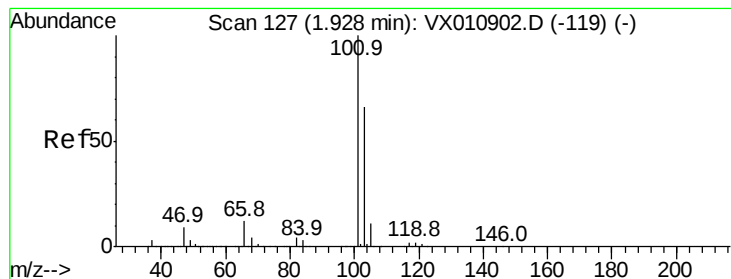
Tgt Ion: 64 Resp: 61069

Ion Ratio Lower Upper

64 100

66 30.9 27.0 40.6





#7

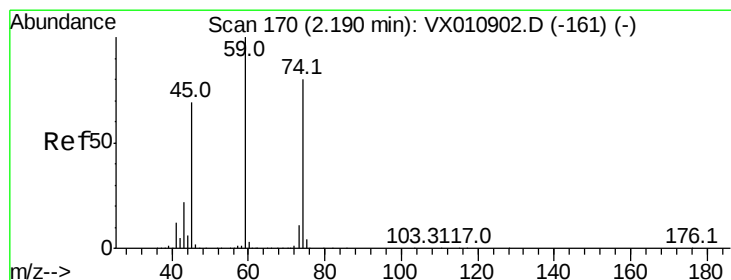
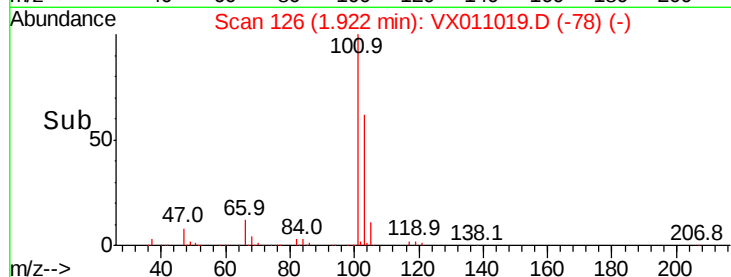
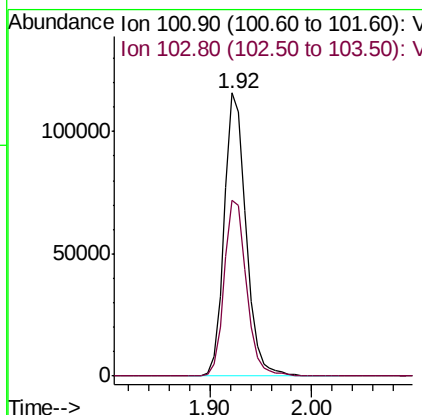
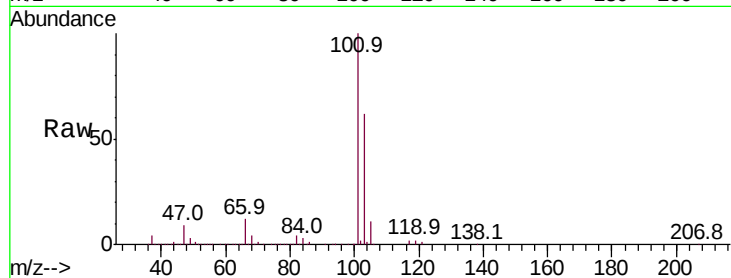
Trichlorofluoromethane
 Concen: 49.092 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.6	78.8

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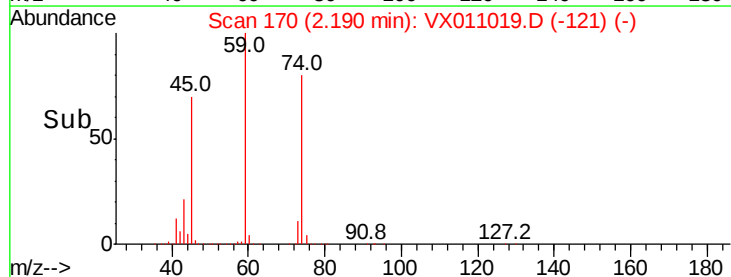
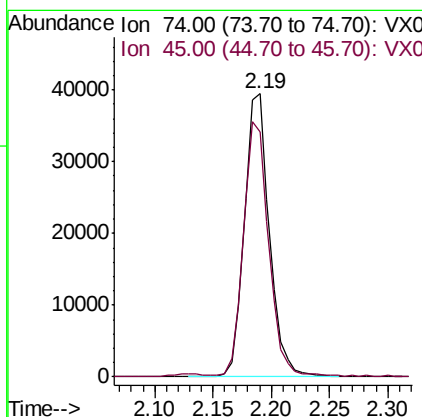
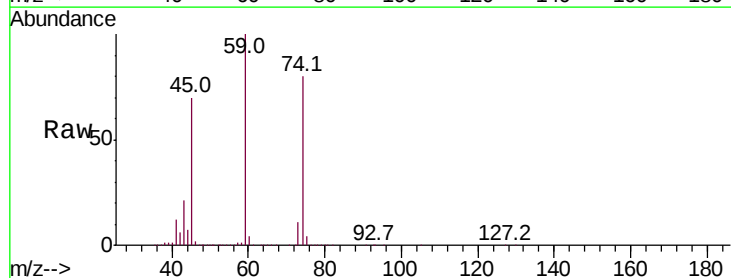
MMDadoda
 7/23/2019 11:09:02 AM

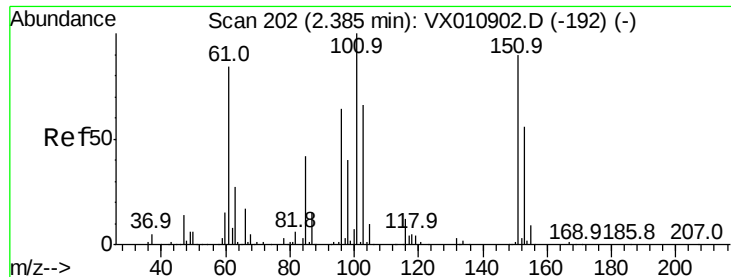


#8

Diethyl Ether
 Concen: 49.450 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.640 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 98959

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

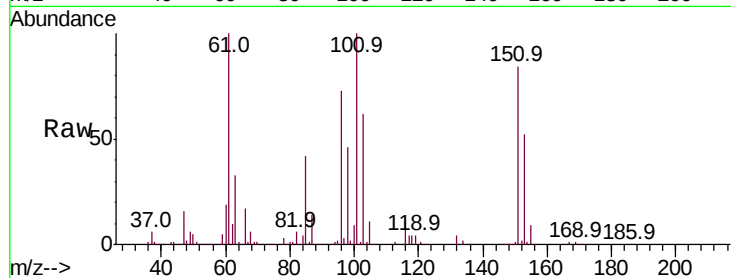
151 86.3 69.6 104.4

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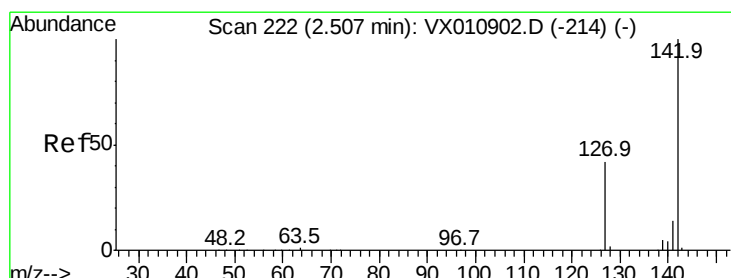
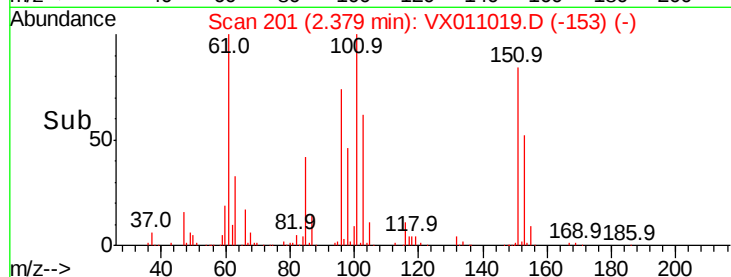
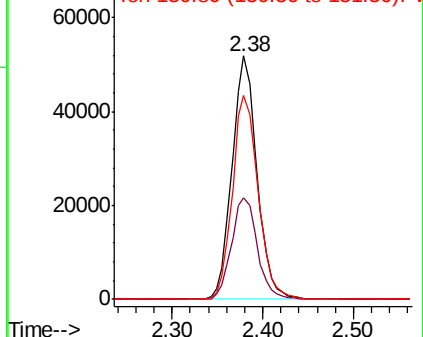
7/23/2019 11:09:02 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.960 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

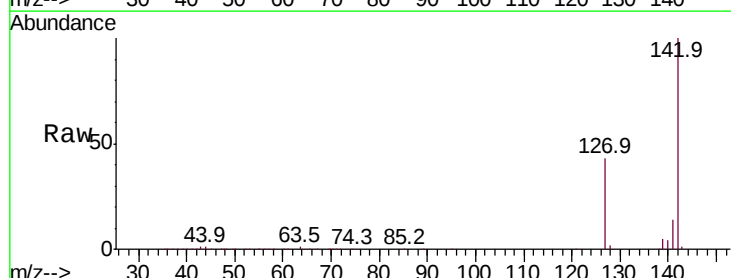
Tgt Ion:142 Resp: 122850

Ion Ratio Lower Upper

142 100

127 42.0 34.2 51.4

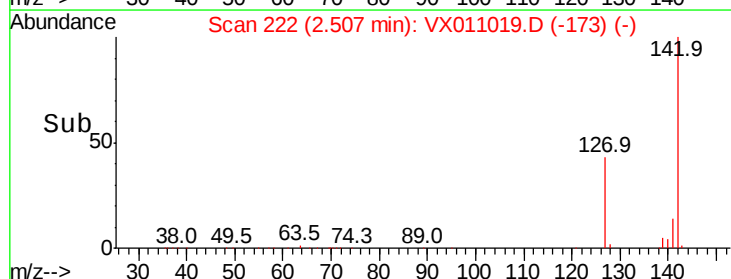
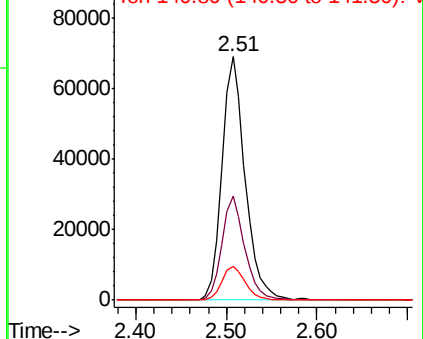
141 14.2 11.7 17.5

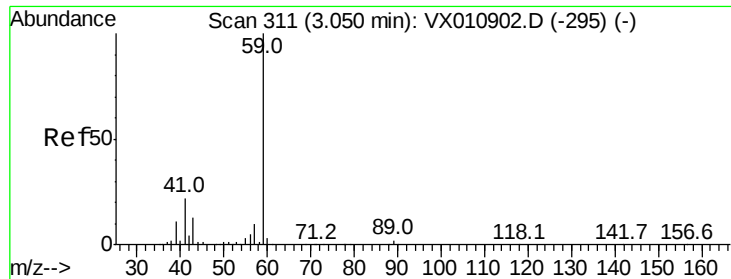


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





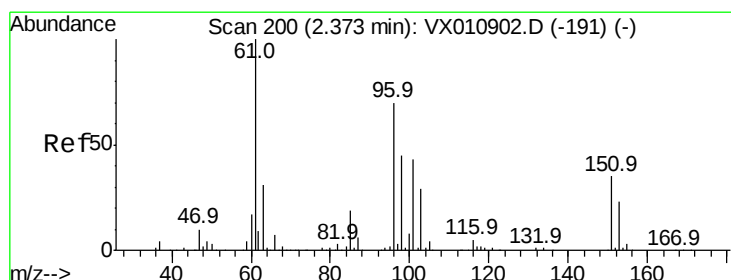
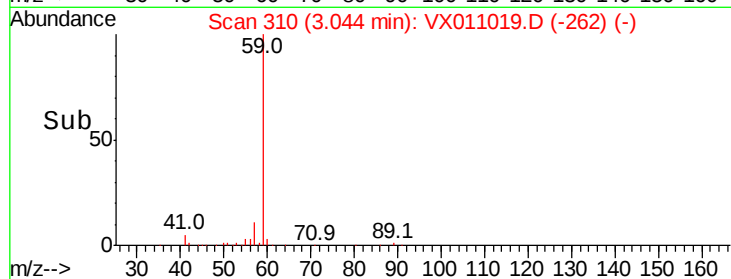
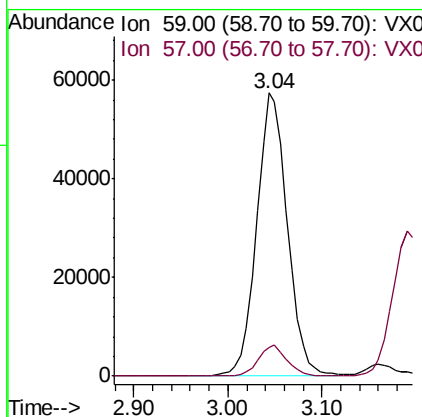
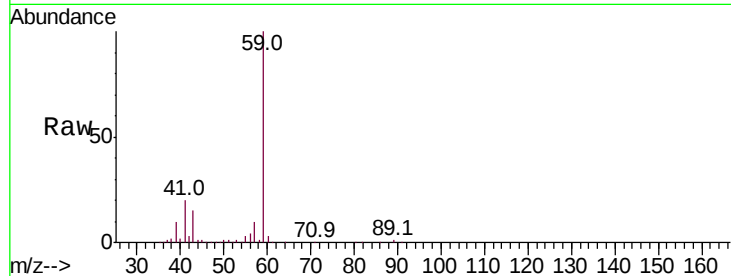
#11
Tert butyl alcohol
Concen: 241.183 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 131400
Ion Ratio Lower Upper
59 100
57 10.5 7.9 11.9

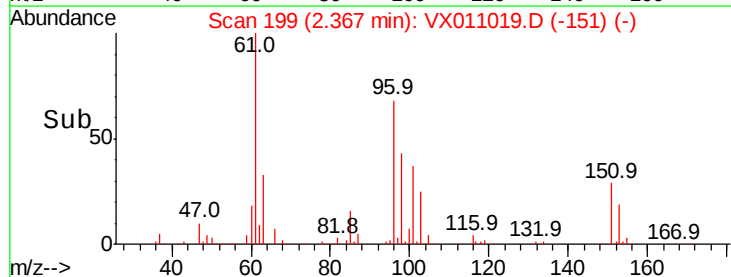
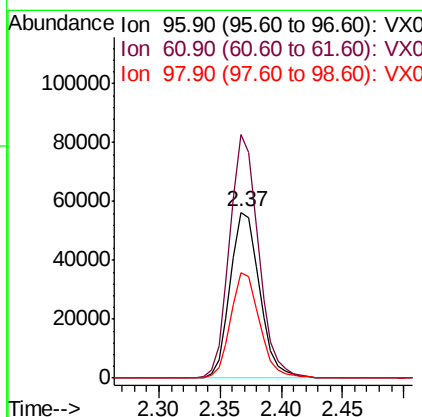
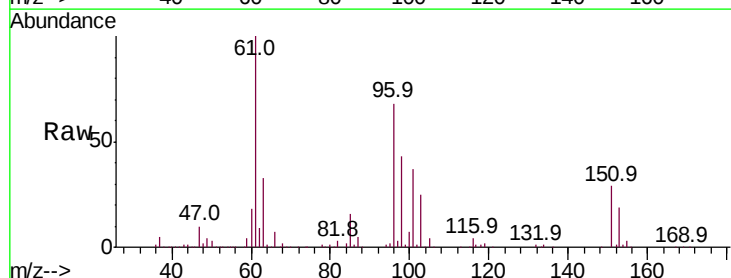
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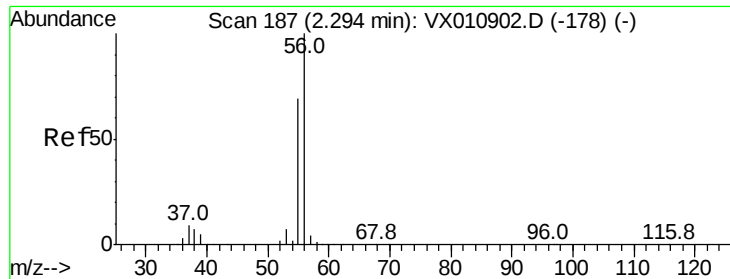
MMDadoda
7/23/2019 11:09:02 AM



#12
1,1-Dichloroethene
Concen: 48.005 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion: 96 Resp: 94027
Ion Ratio Lower Upper
96 100
61 146.4 115.0 172.4
98 63.7 52.2 78.2





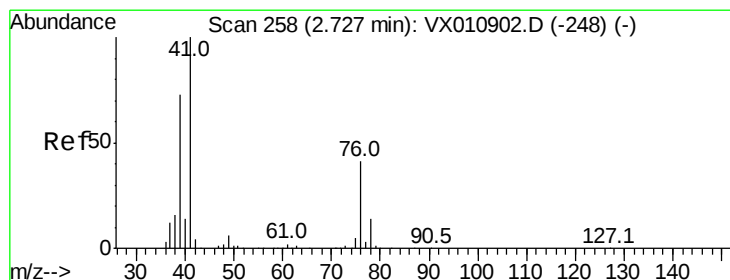
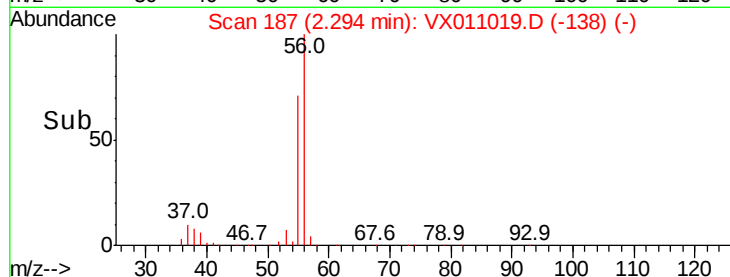
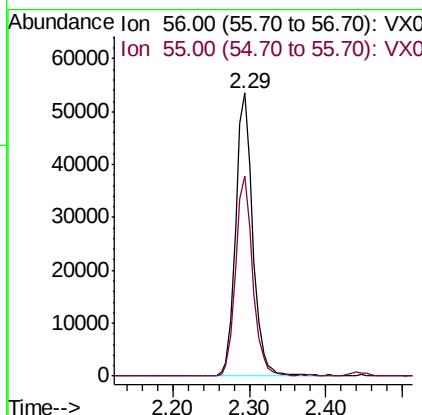
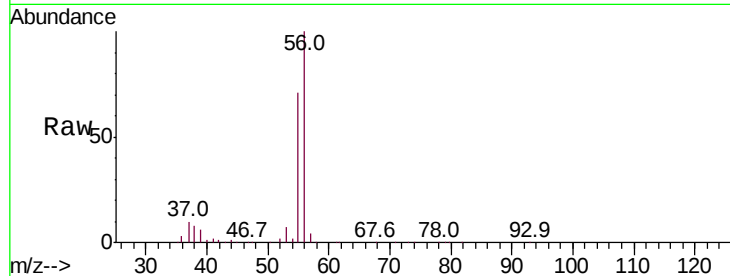
#13
Acrolein
Concen: 263.671 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	82997
Ion Ratio	100	Lower	Upper
55	70.8	55.9	83.9

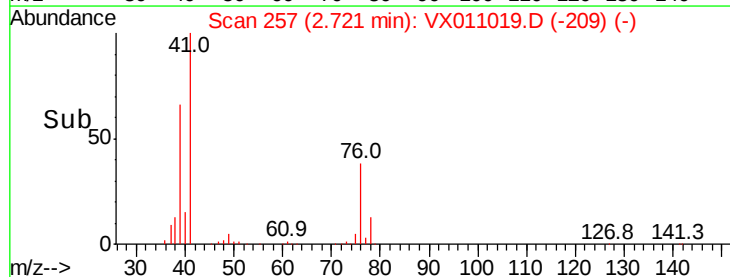
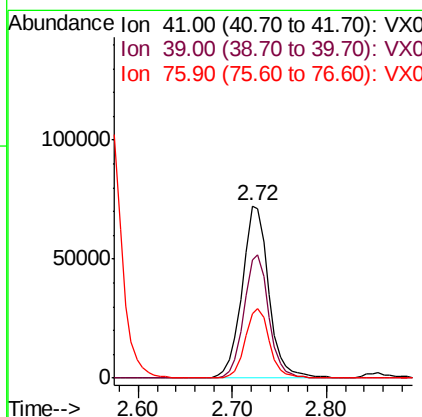
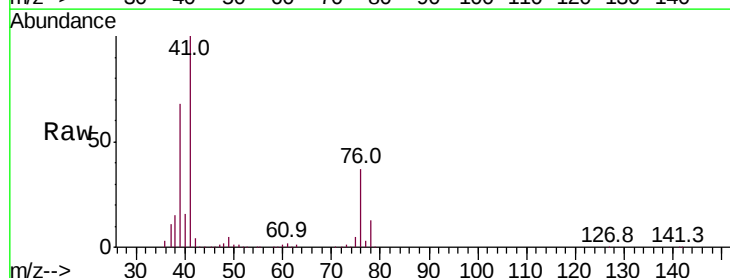
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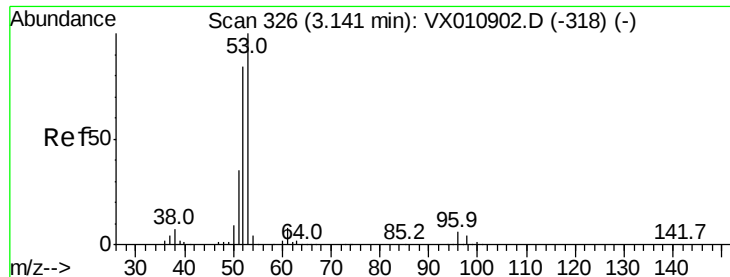
MMDadoda
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#14
Allyl chloride
Concen: 50.387 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	41	Resp	143354
Ion Ratio	100	Lower	Upper
39	67.0	53.6	80.4
76	36.6	29.7	44.5





#15

Acrylonitrile

Concen: 252.502 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

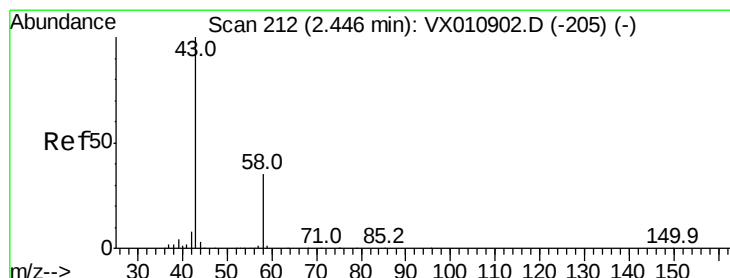
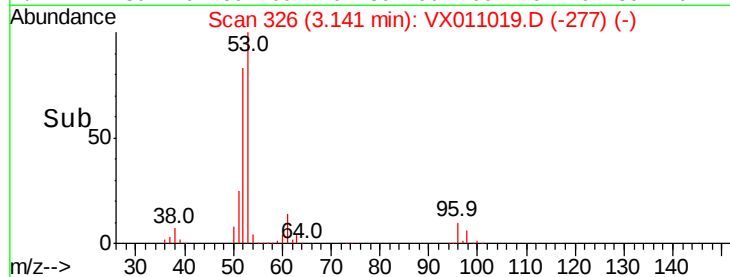
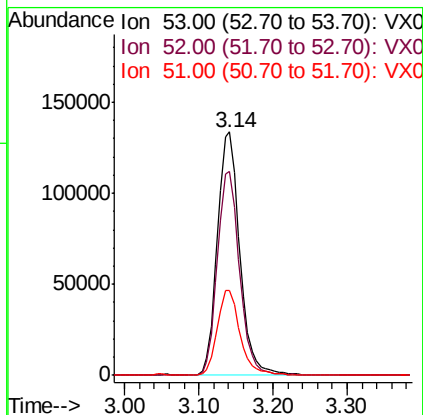
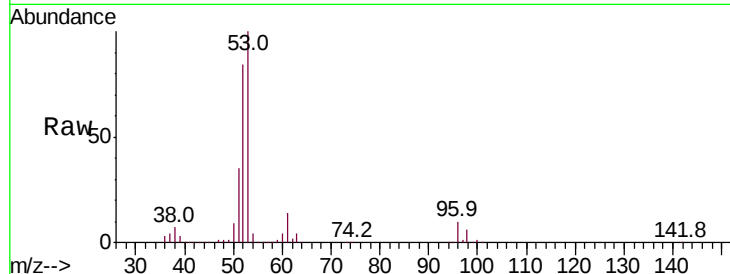
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	277980
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.5	99.7
51	35.7	28.2	42.4

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#16

Acetone

Concen: 278.355 ug/l

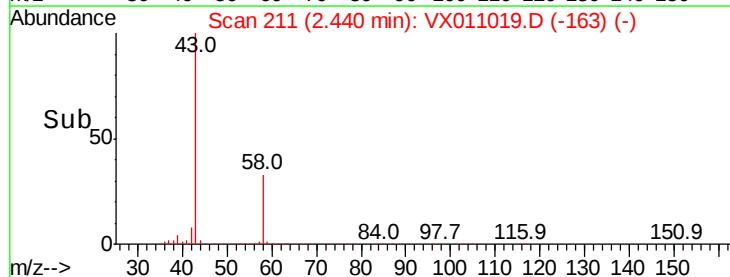
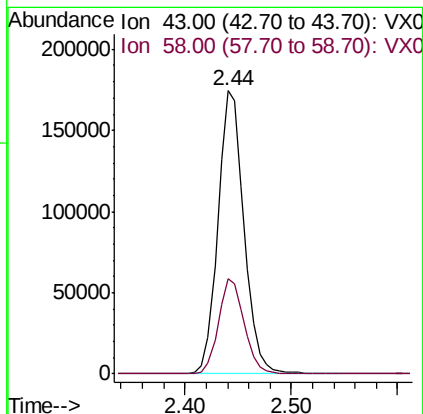
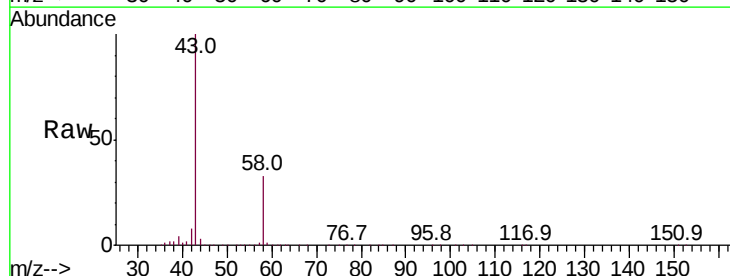
RT: 2.44 min Scan# 211

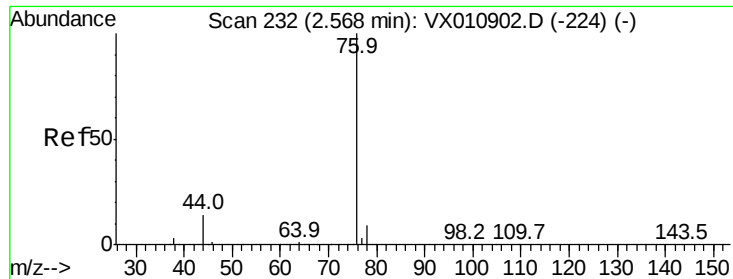
Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion:	43	Resp:	294101
Ion	Ratio	Lower	Upper
43	100		
58	33.4	27.7	41.5





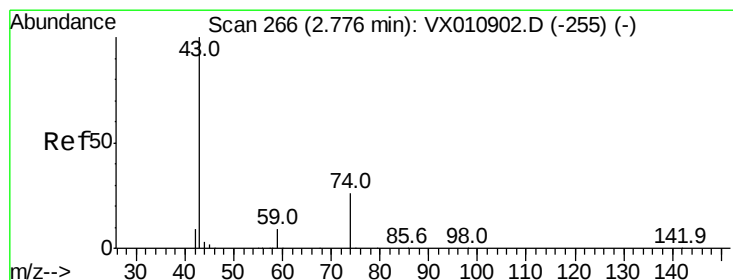
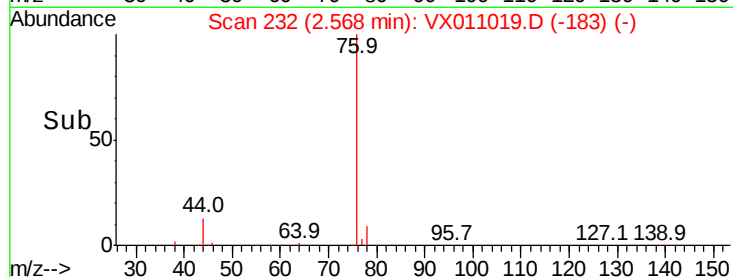
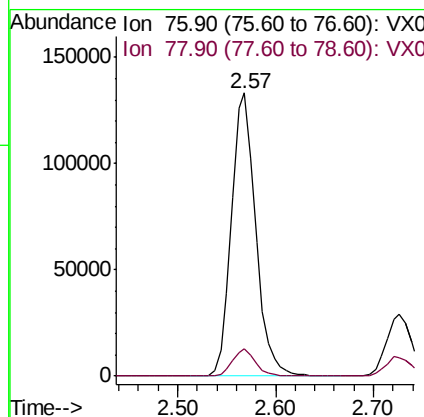
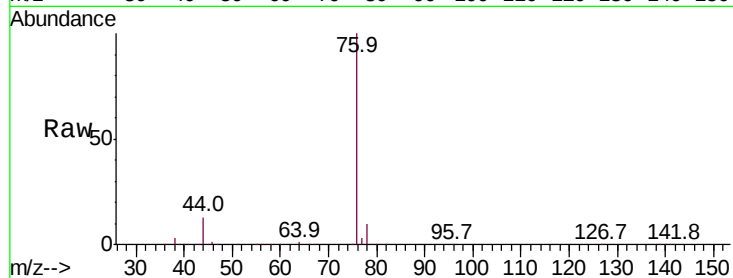
#17
Carbon Disulfide
Concen: 45.745 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

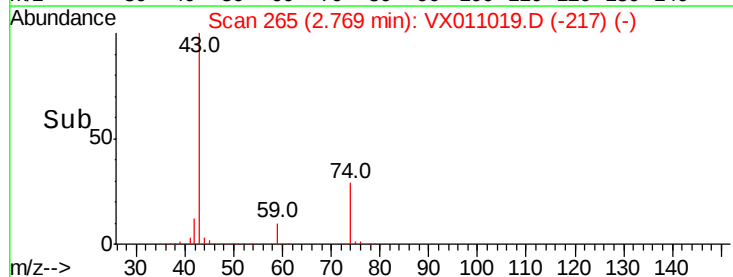
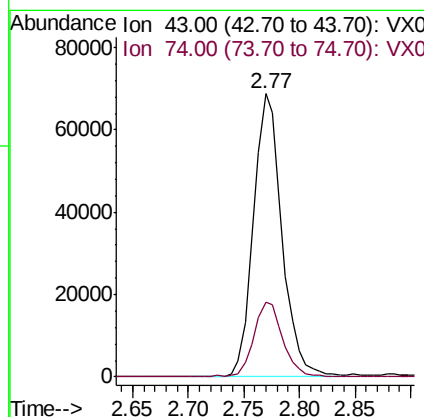
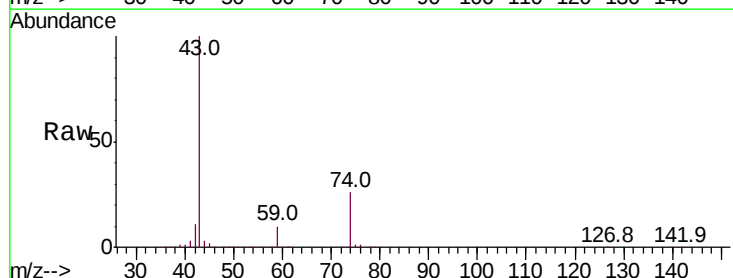
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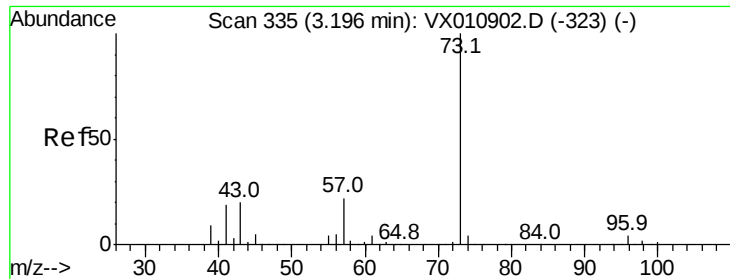
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#18
Methyl Acetate
Concen: 50.772 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	21.5	32.3





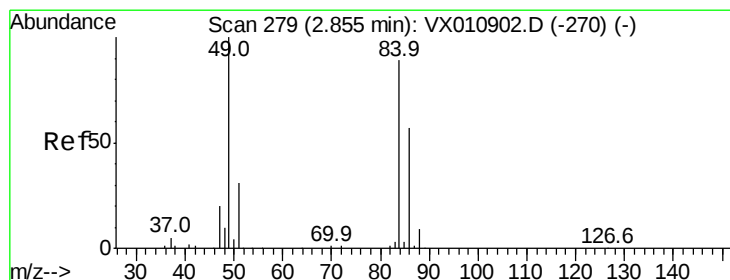
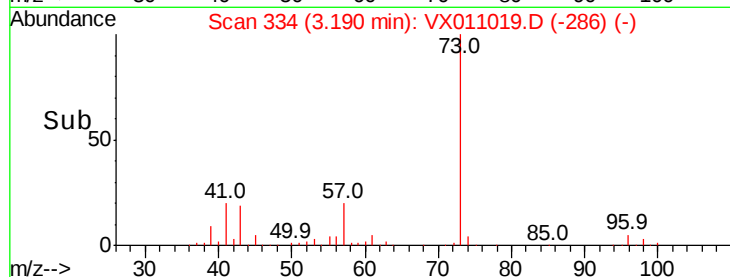
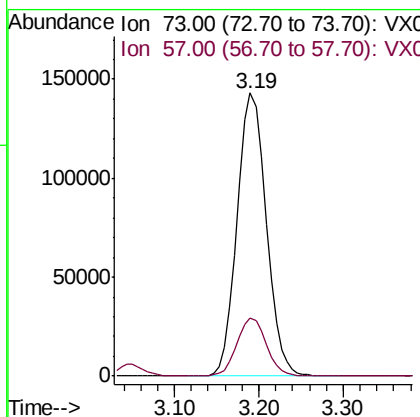
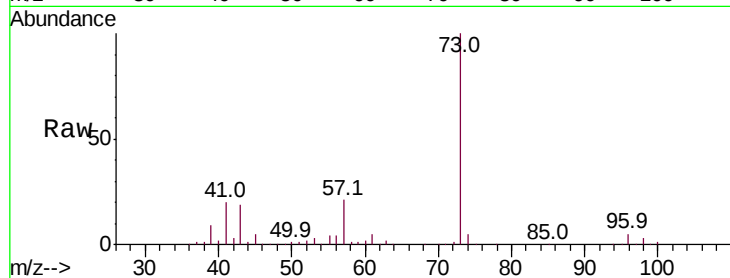
#19
Methvl tert-butvl Ether
Concen: 53.182 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 335331
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9

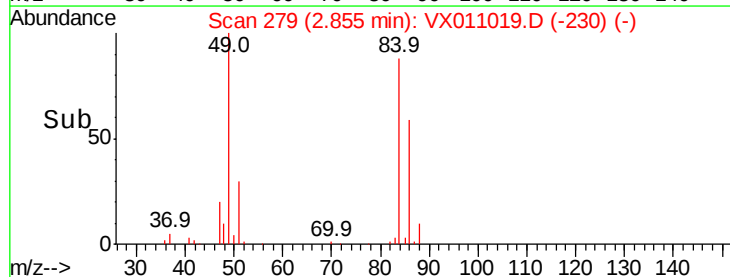
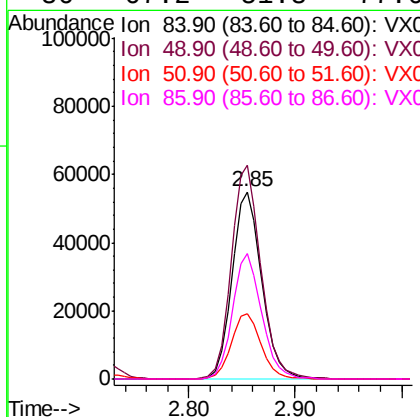
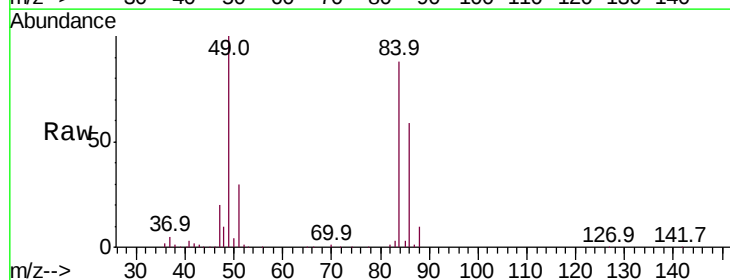
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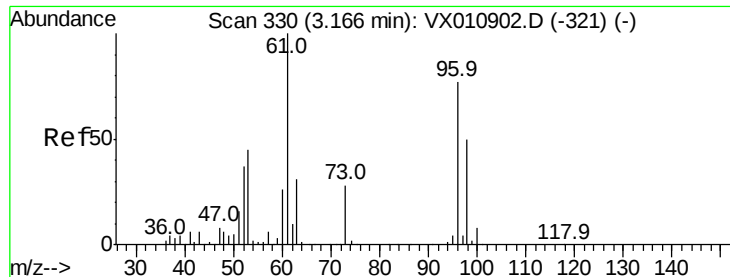
MMDadoda
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#20
Methylene Chloride
Concen: 47.898 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion: 84 Resp: 107247
Ion Ratio Lower Upper
84 100
49 113.7 89.9 134.9
51 34.6 27.8 41.6
86 67.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.028 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 99813

Ion Ratio Lower Upper

96 100

61 125.9 104.2 156.2

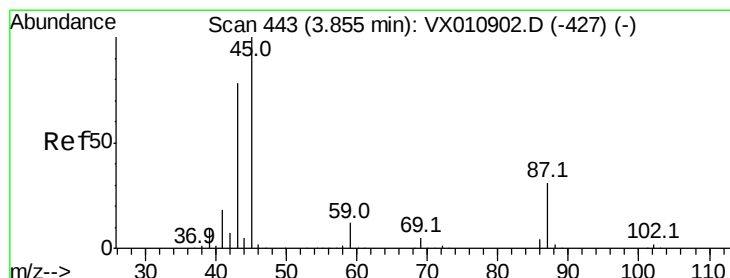
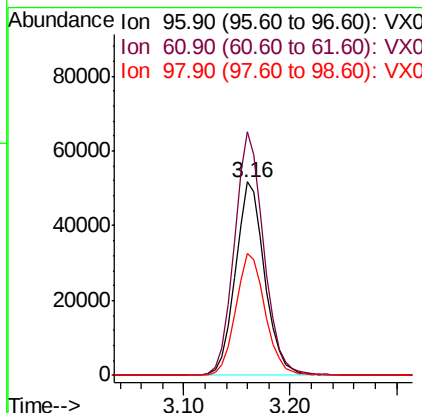
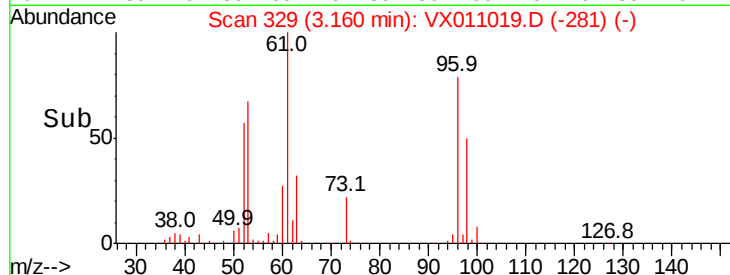
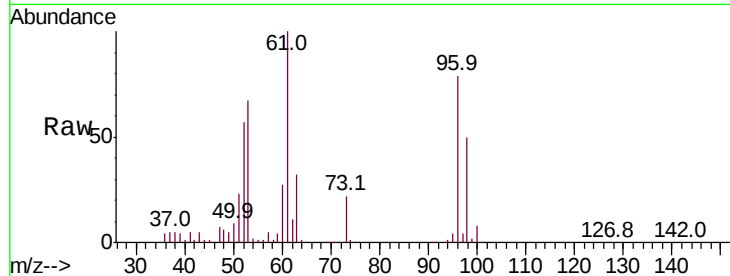
98 62.8 52.2 78.4

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#22

Diisopropyl ether

Concen: 50.348 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion: 45 Resp: 302105

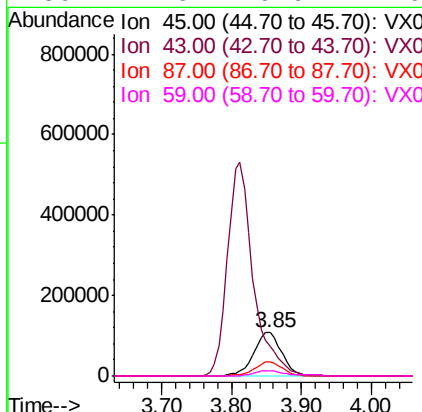
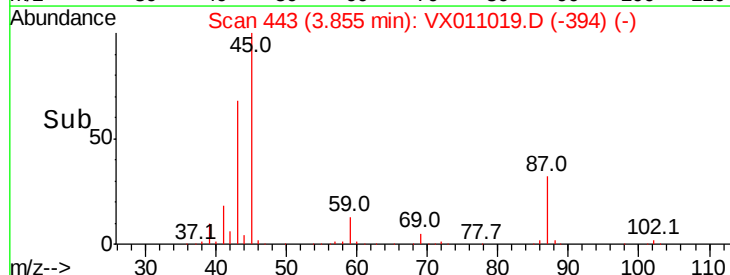
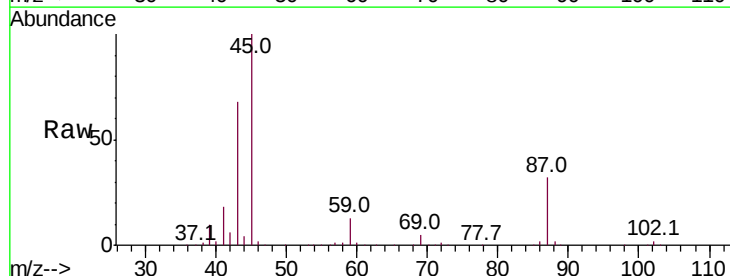
Ion Ratio Lower Upper

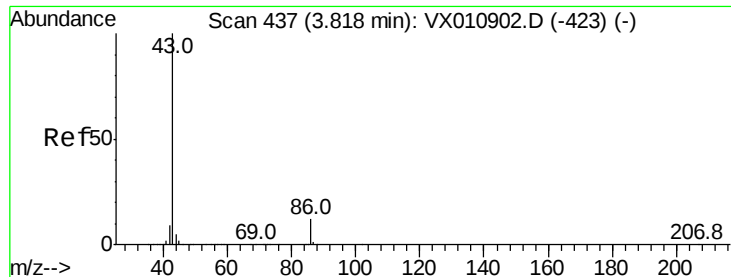
45 100

43 67.9 62.3 93.5

87 32.0 25.0 37.4

59 12.6 9.9 14.9





#23

Vinyl Acetate

Concen: 269.448 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1369894

Ion Ratio Lower Upper

43 100

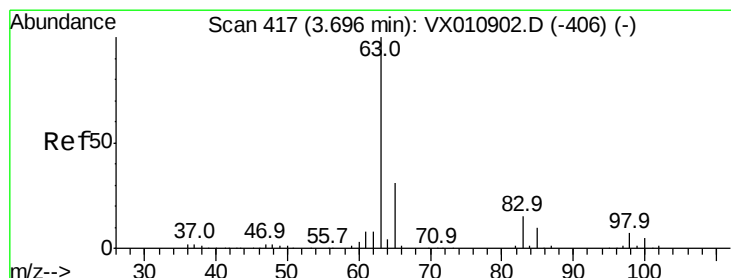
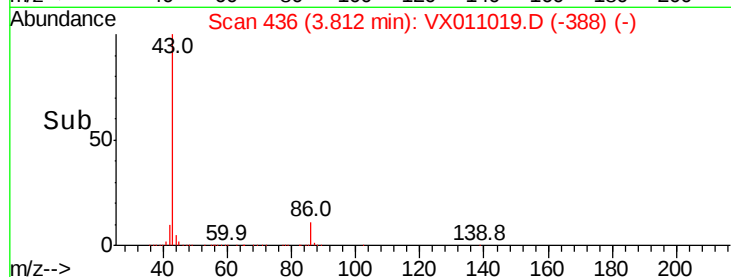
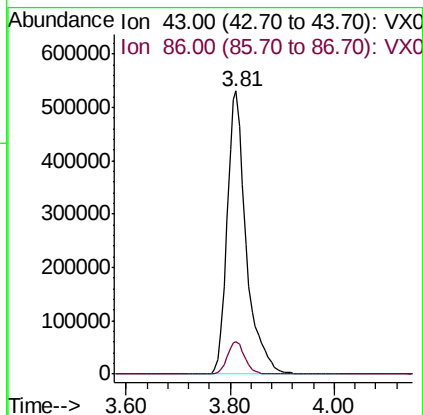
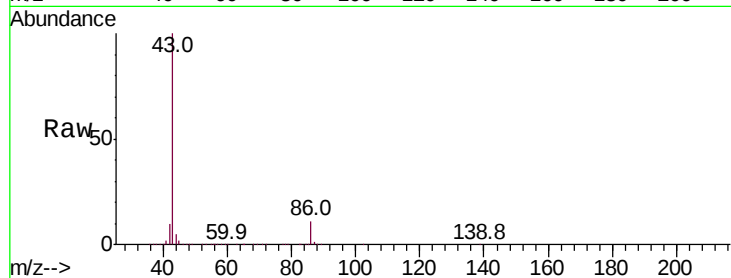
86 11.4 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 48.505 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

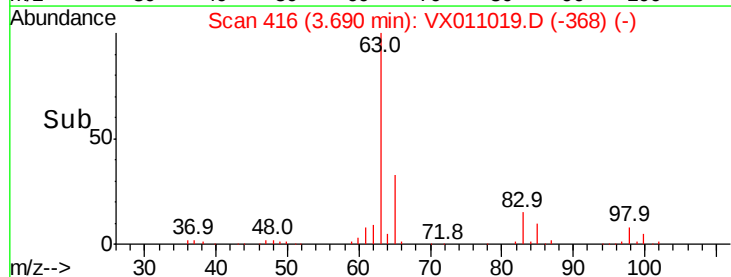
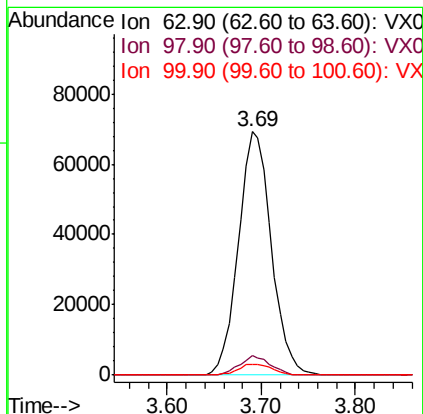
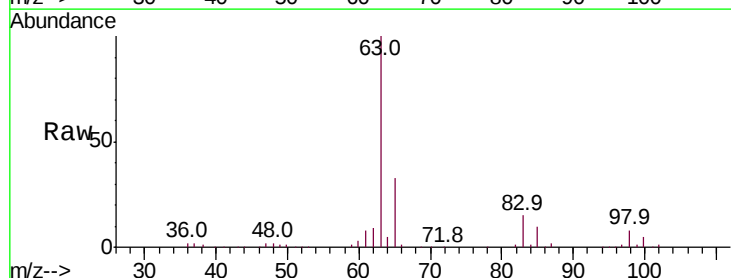
Tgt Ion: 63 Resp: 169027

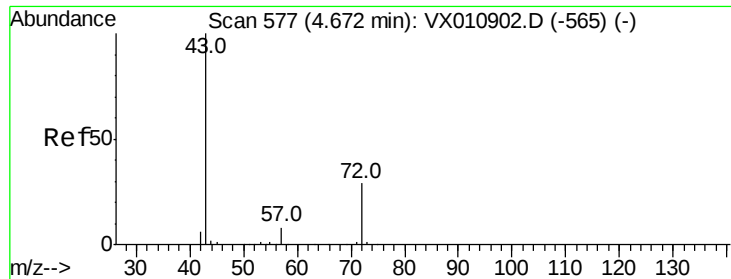
Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 270.188 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 409792

Ion Ratio Lower Upper

43 100

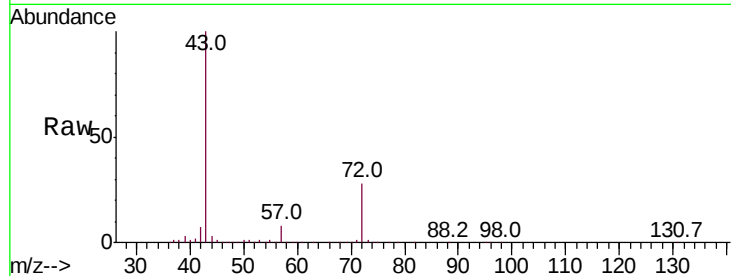
72 28.2 23.0 34.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

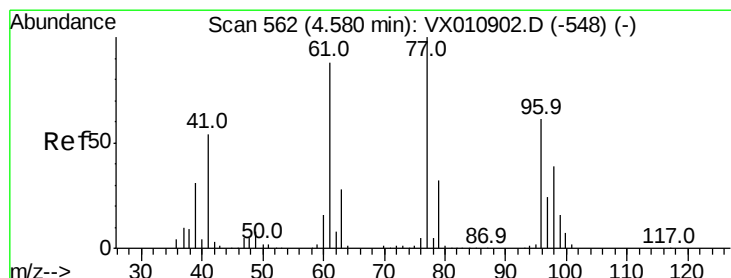
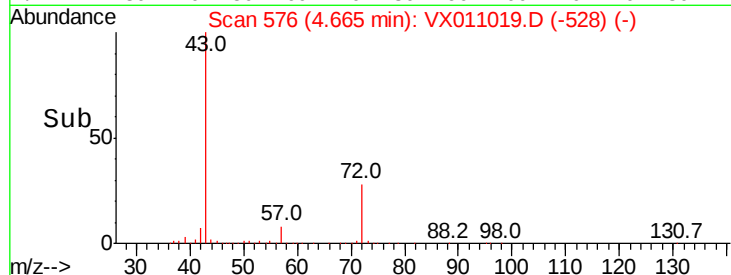
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.613 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011019.D

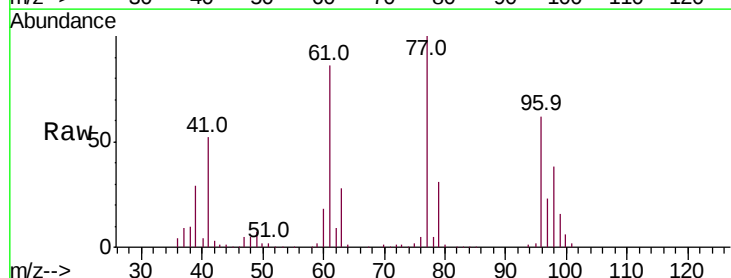
Acq: 22 Jul 2019 10:21

Tgt Ion: 77 Resp: 147678

Ion Ratio Lower Upper

77 100

97 24.4 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

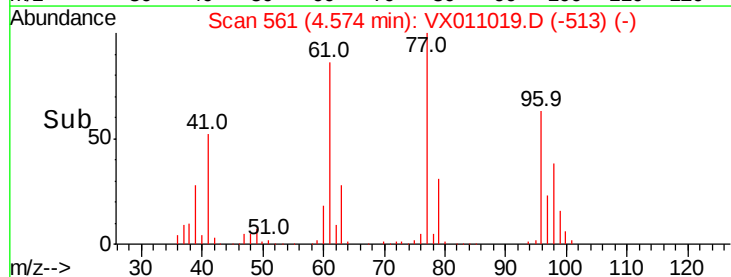
20000

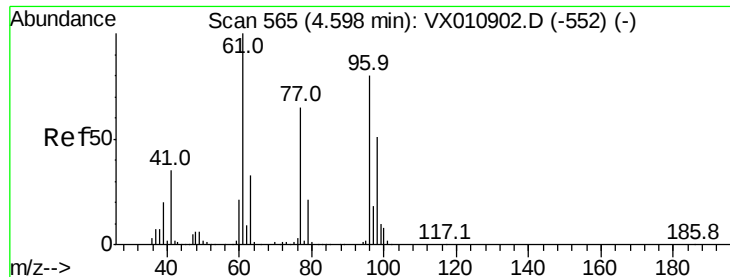
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

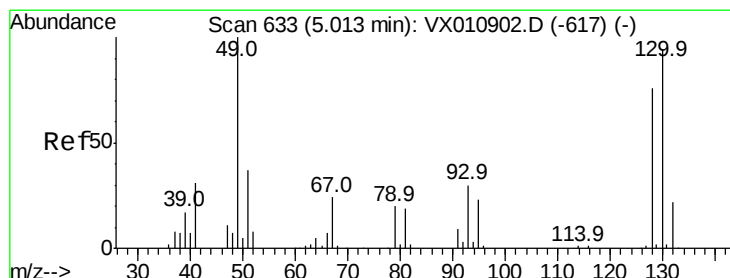
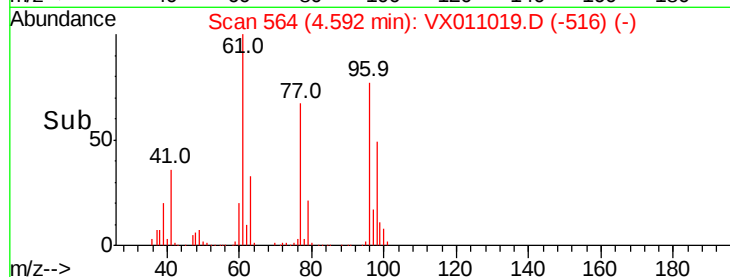
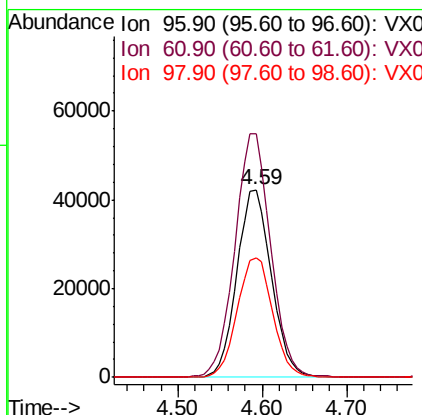
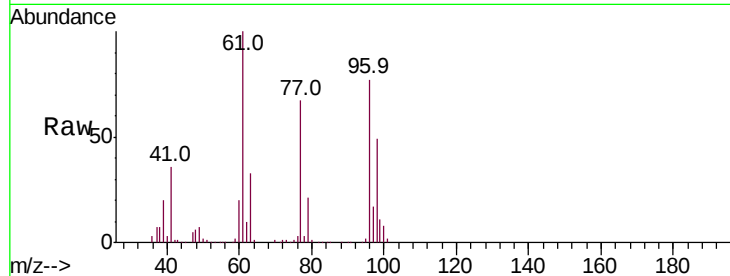
cis-1,2-Dichloroethene
 Concen: 48.633 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	116973		
61	135.0	0.0	269.0	
98	65.3	0.0	131.4	

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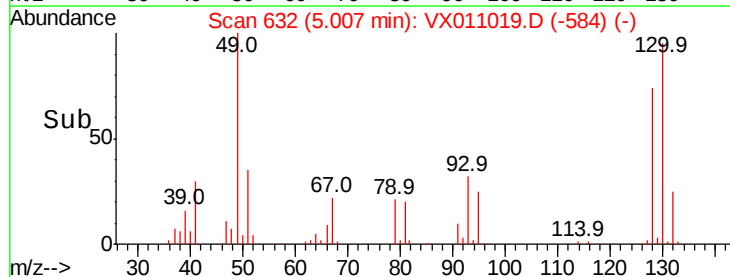
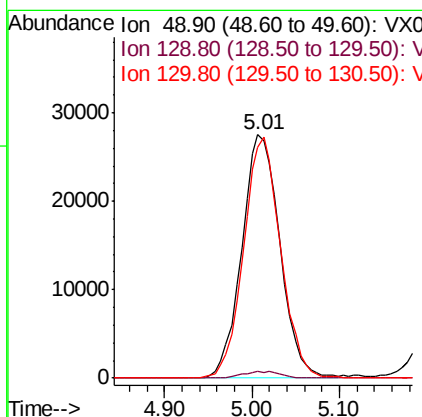
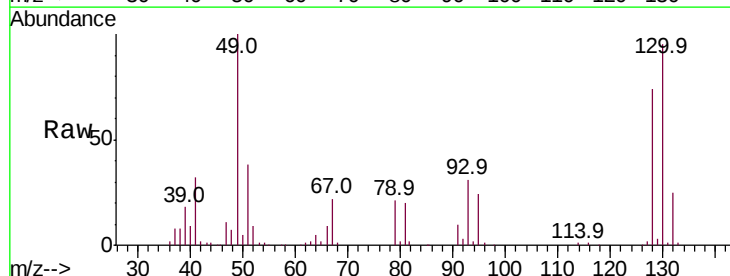
MMDadoda
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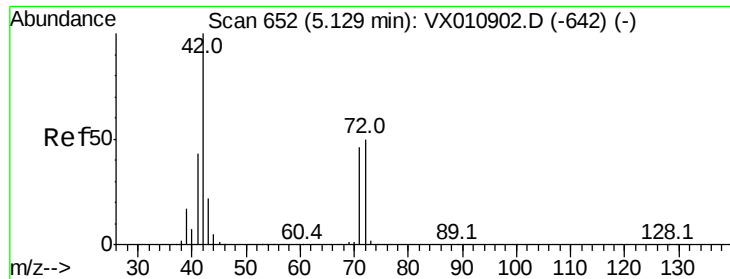


#28

Bromochloromethane
 Concen: 50.695 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83248		
129	2.8	0.0	5.2	
130	95.9	76.9	115.3	





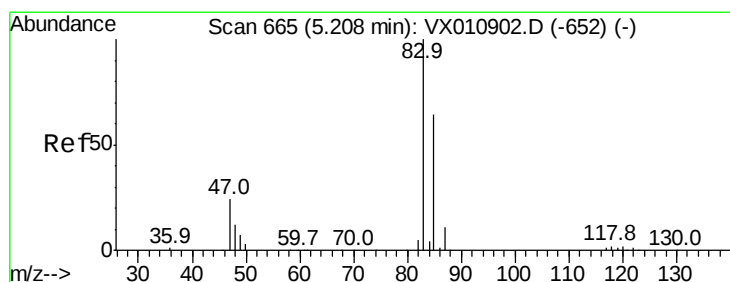
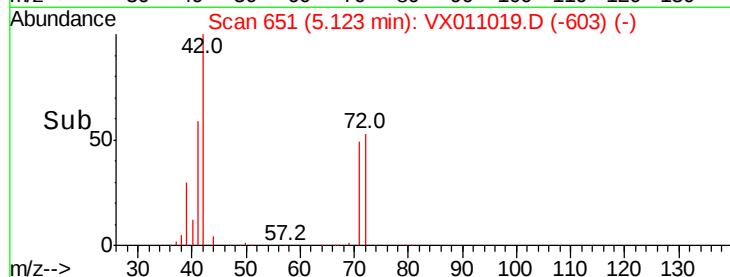
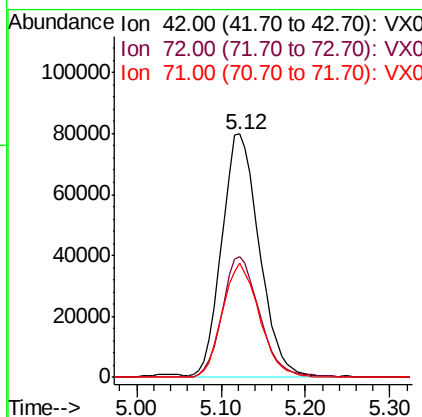
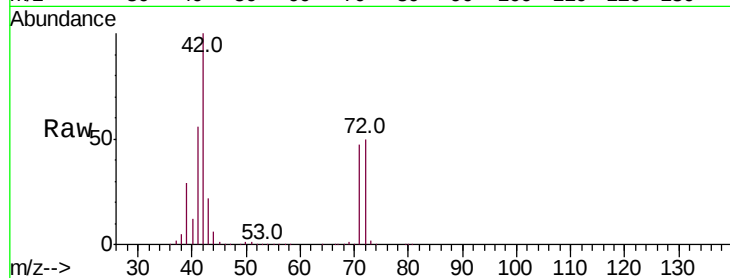
#29
Tetrahydrofuran
Concen: 251.389 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	39.8	59.8
71	46.6	37.0	55.4

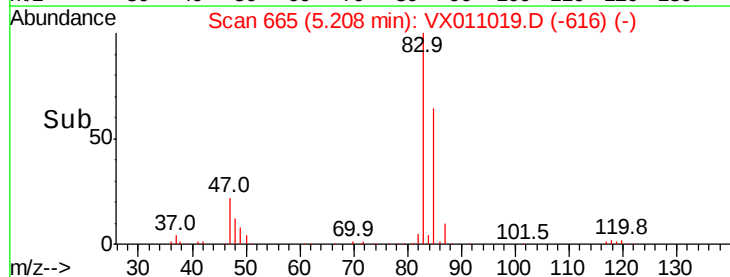
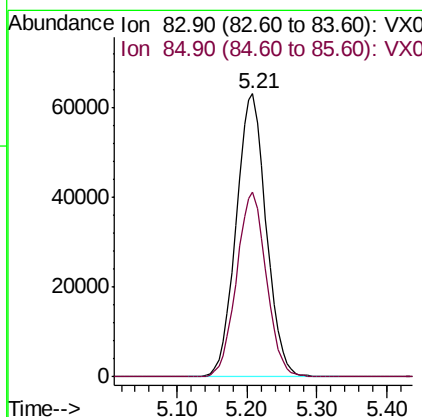
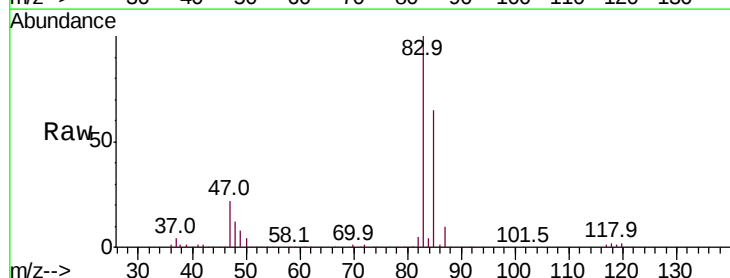
Manual Integrations
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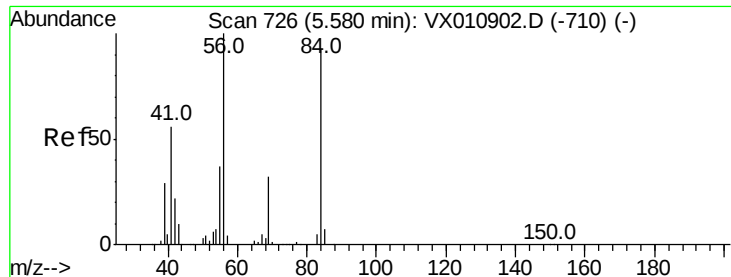
MMDadoda
7/23/2019 11:09:02 AM



#30
Chloroform
Concen: 50.020 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0





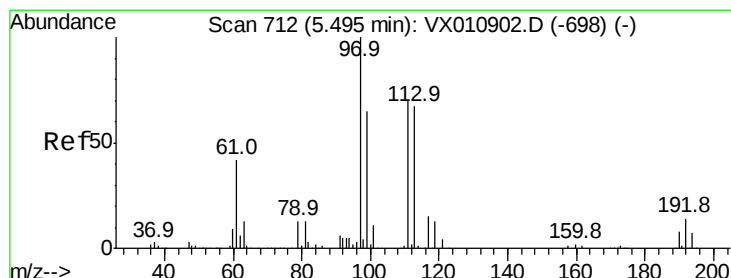
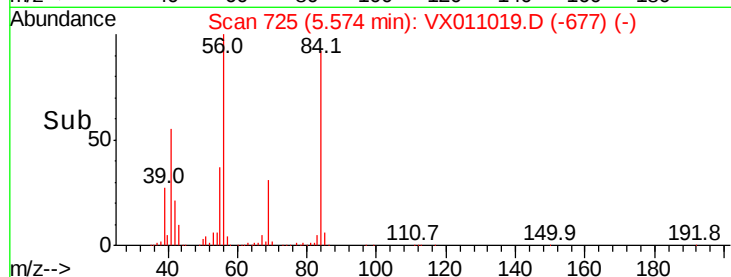
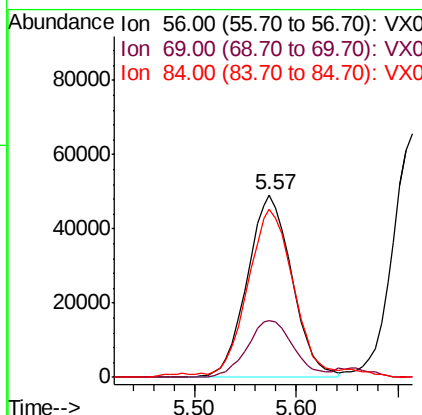
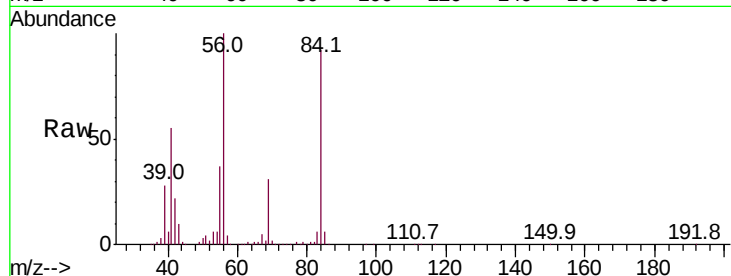
#31
Cyclohexane
Concen: 46.761 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.8	38.8
84	90.3	73.8	110.6

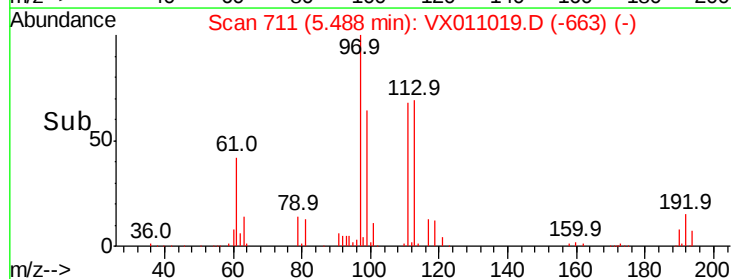
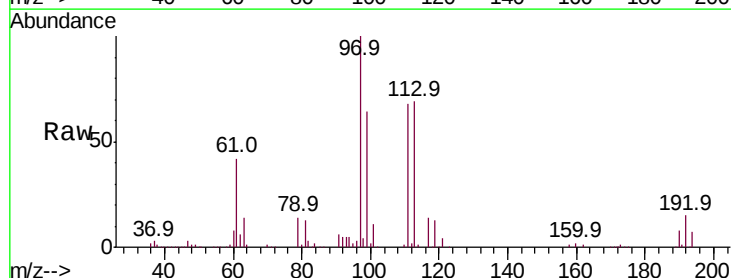
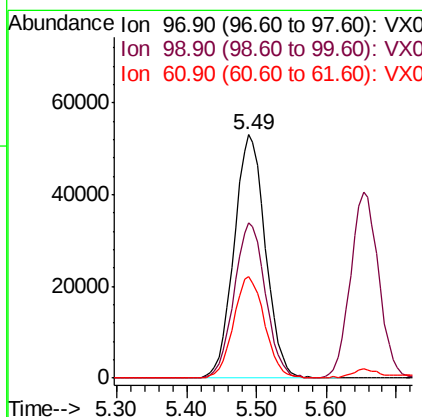
Manual Integrations
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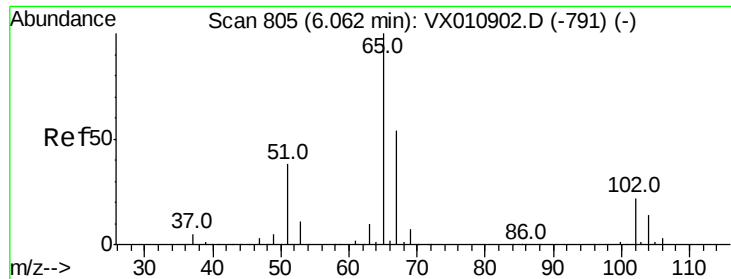
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.505 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.0
61	41.6	33.0	49.6





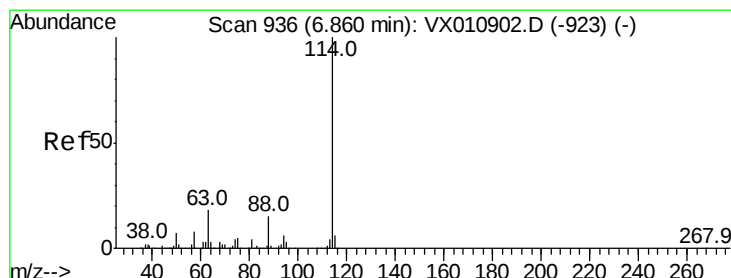
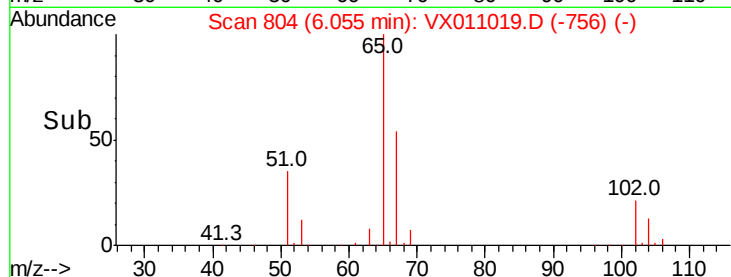
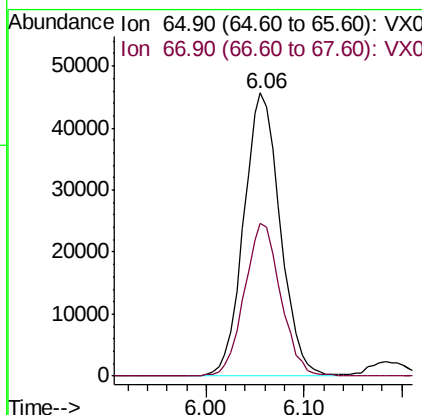
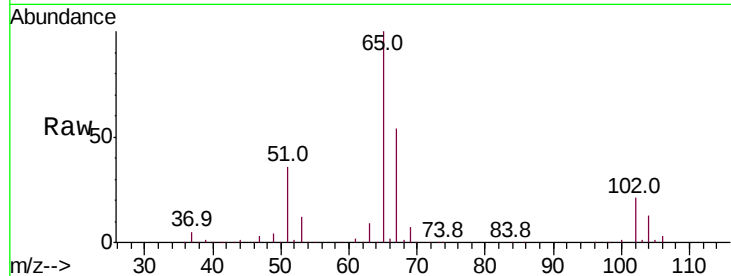
#33
 1,2-Dichloroethane-d4
 Concen: 50.496 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	118128		
67	53.7	0.0	107.8	

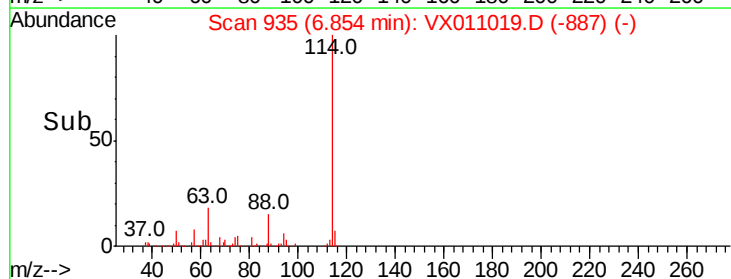
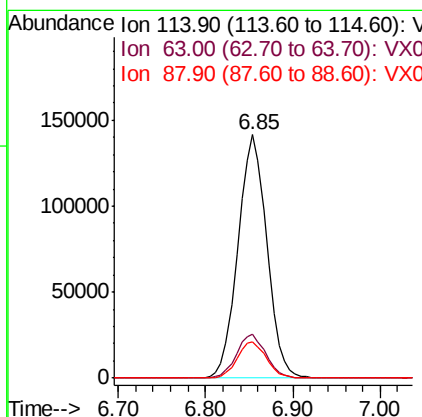
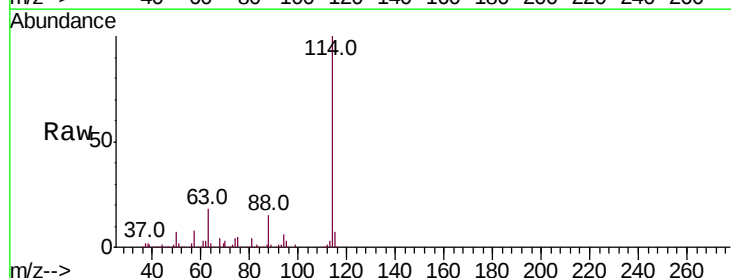
Manual Integrations
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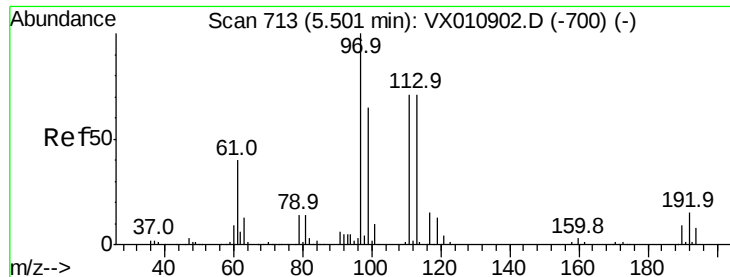
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	325070		
63	18.1	0.0	35.6	
88	14.7	0.0	29.8	





#35

Dibromofluoromethane

Concen: 50.802 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

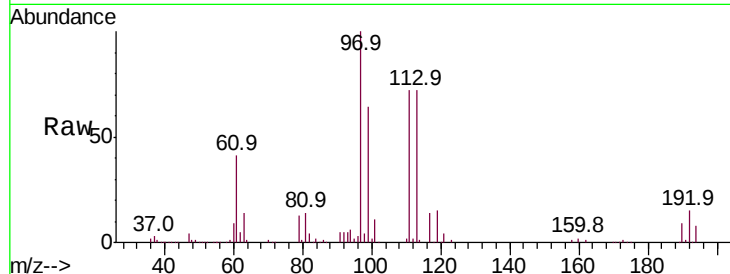
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	104819
Ion Ratio	Lower	Upper	
113	100		
111	101.5	82.3	123.5
192	22.2	17.4	26.2

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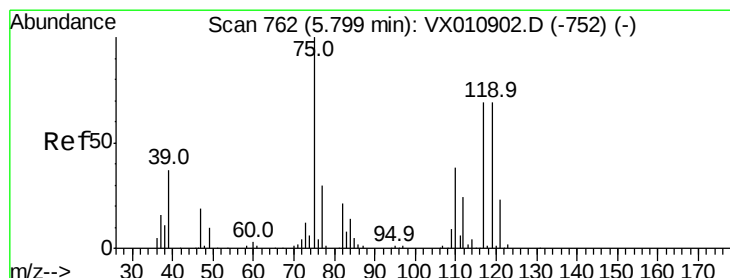
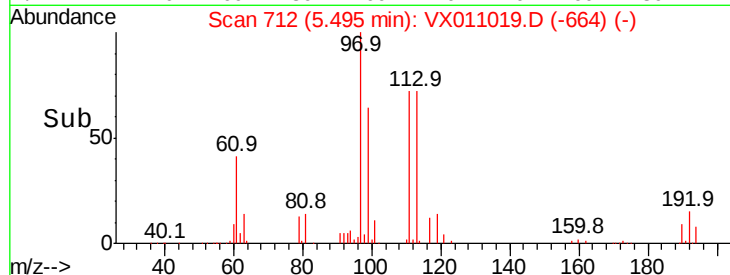
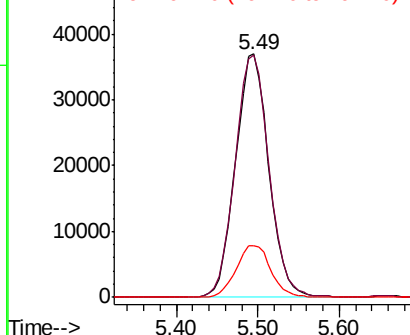


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.947 ug/l

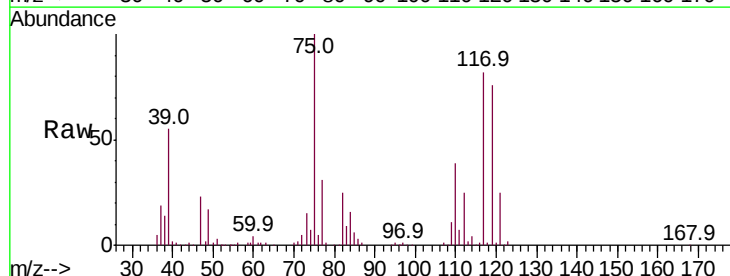
RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion:	75	Resp:	133367
Ion Ratio	Lower	Upper	
75	100		
110	39.0	19.9	59.7
77	30.3	25.0	37.4

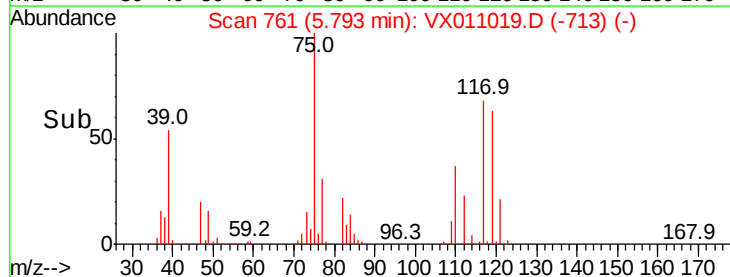
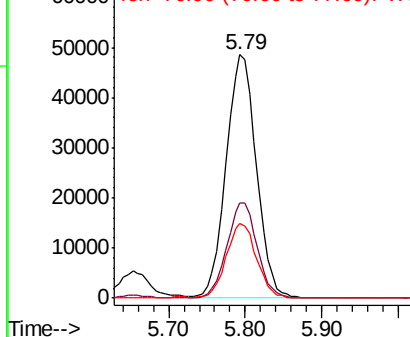


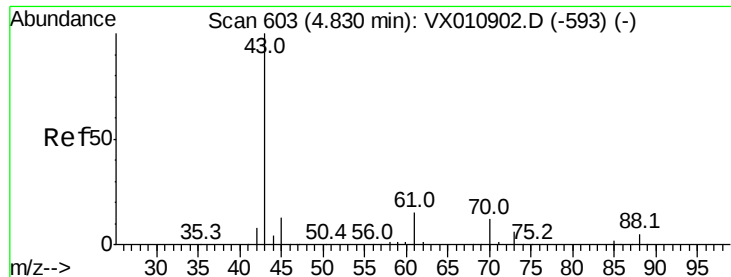
Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





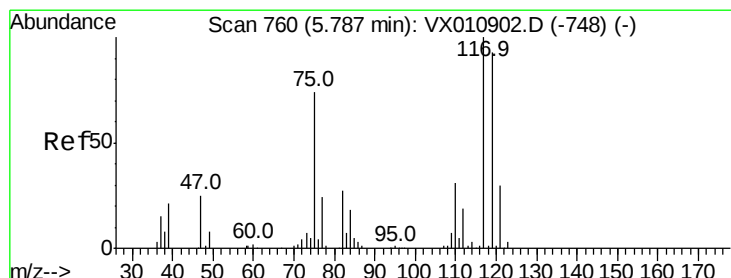
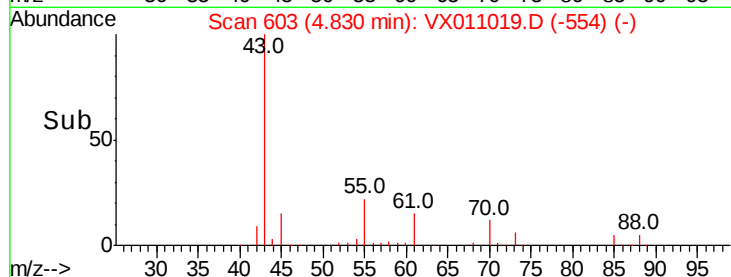
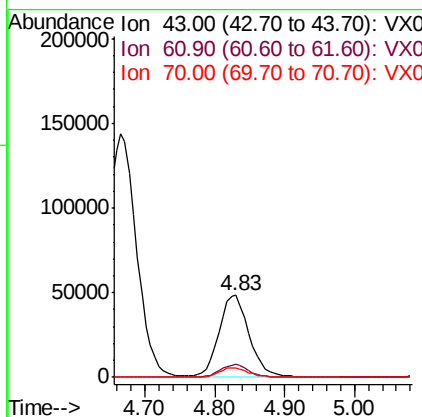
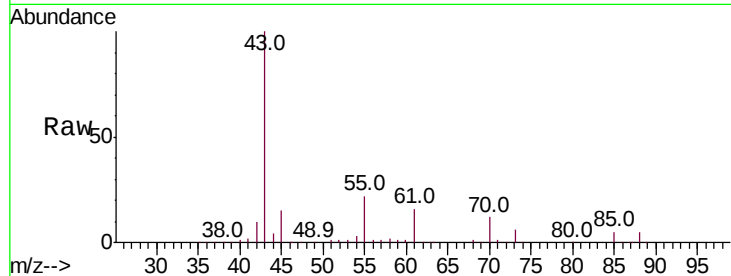
#37
Ethyl Acetate
Concen: 52.880 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.6	17.4
70	11.7	9.1	13.7

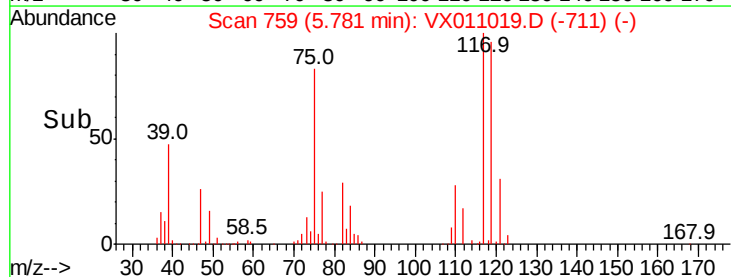
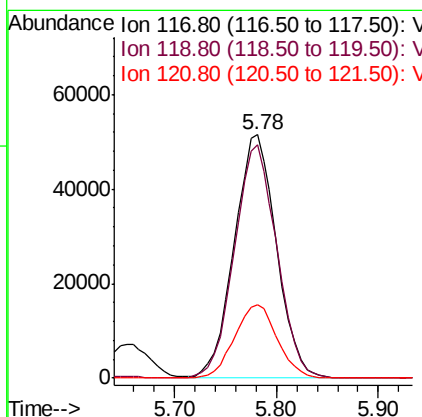
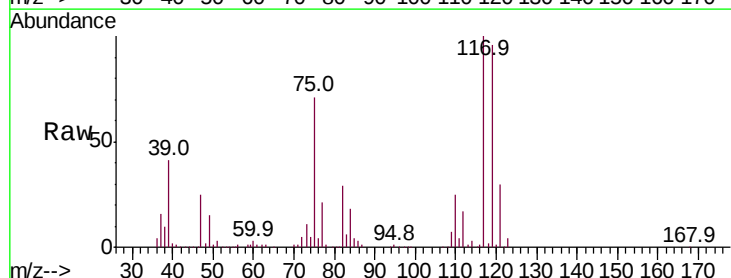
Manual Integrations
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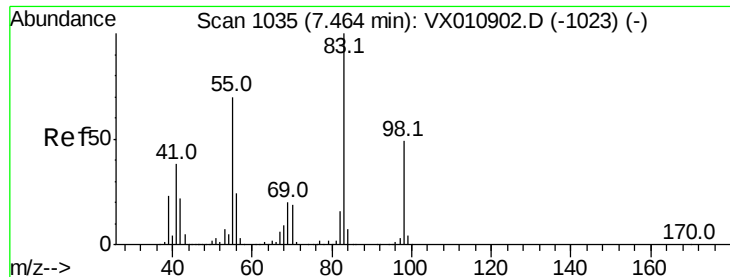
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#38
Carbon Tetrachloride
Concen: 52.995 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.2	111.2
121	30.4	24.2	36.2





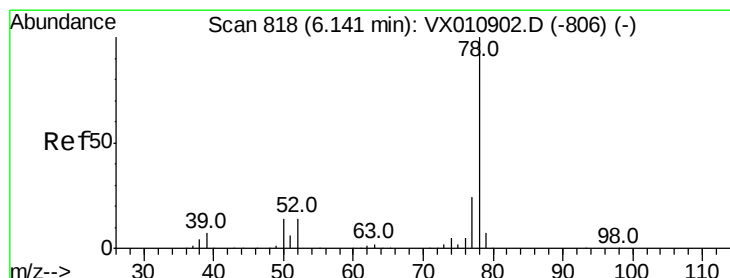
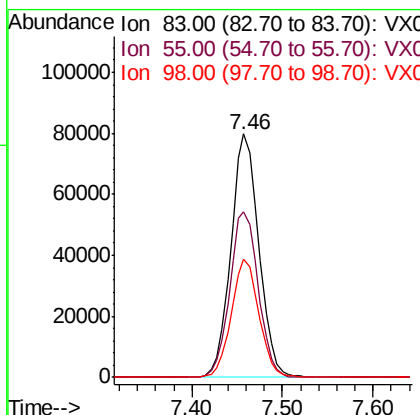
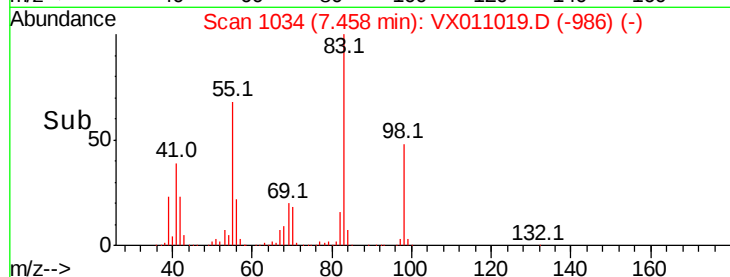
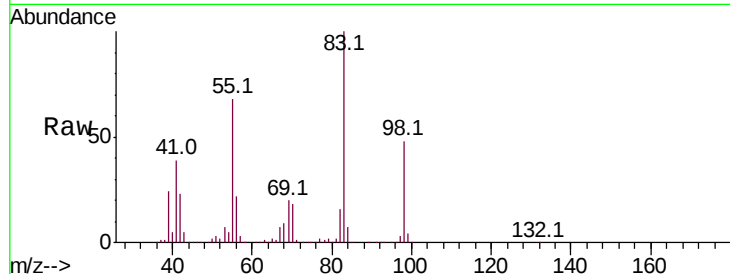
#39
Methvlcvclohexane
Concen: 49.530 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.1	56.2	84.4
98	48.3	39.0	58.4

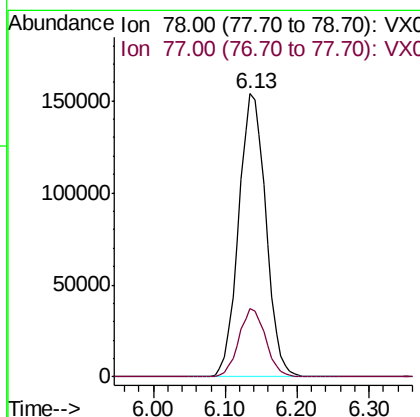
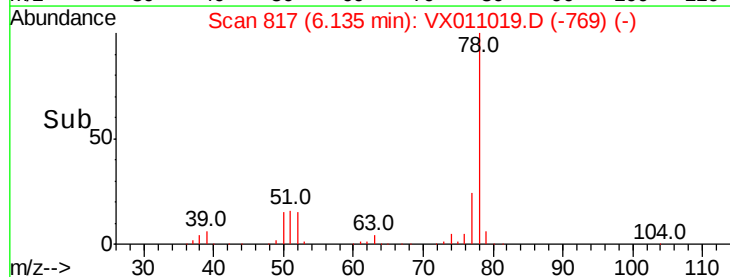
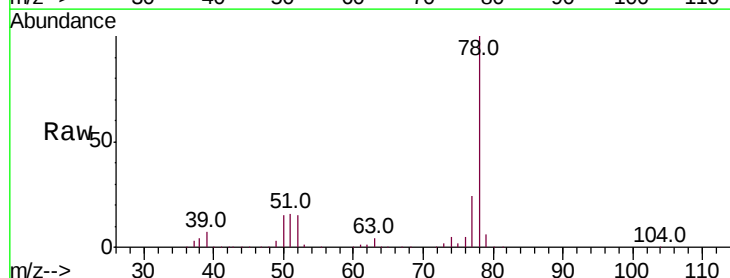
Manual Integrations
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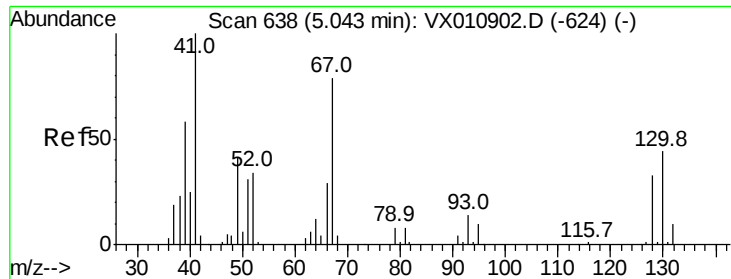
MMDadoda
7/23/2019 11:09:02 AM



#40
Benzene
Concen: 49.394 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





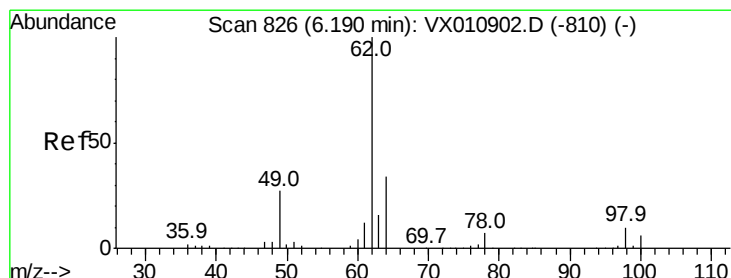
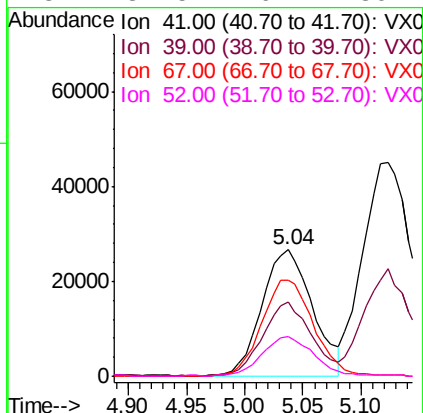
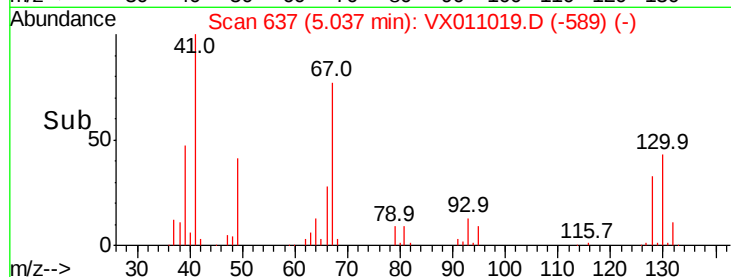
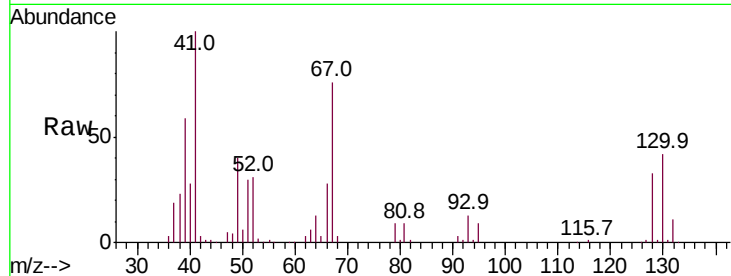
#41
Methacrylonitrile
Concen: 51.649 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	45.4	68.2
67	78.4	65.9	98.9
52	31.5	26.2	39.2

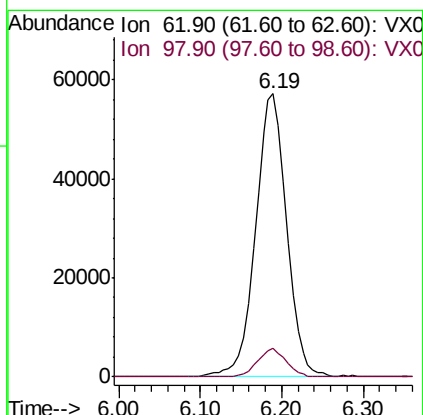
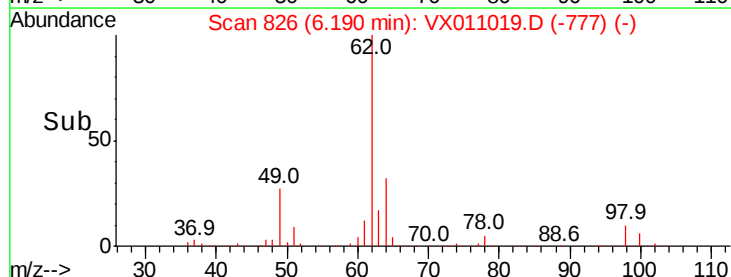
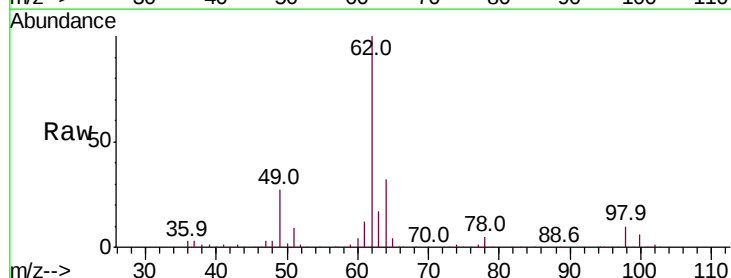
Manual Integrations
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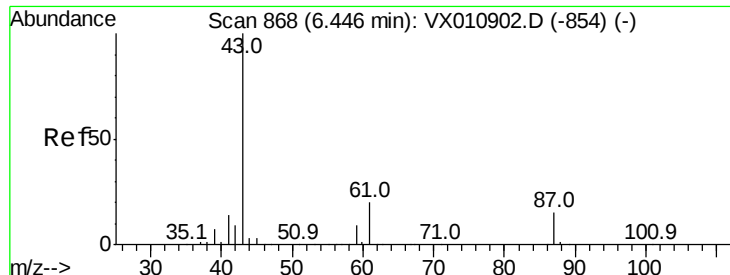
MMDadoda
7/23/2019 11:09:02 AM



#42
1,2-Dichloroethane
Concen: 53.341 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.0





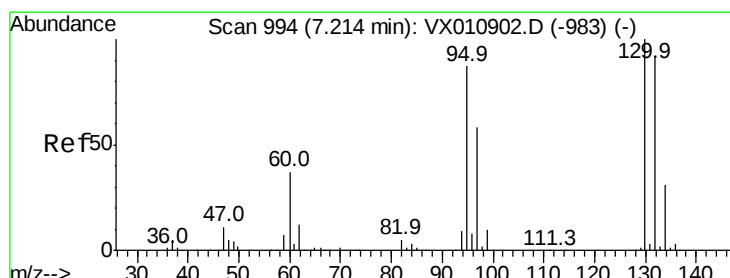
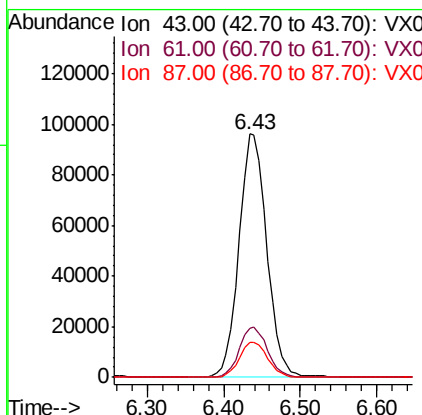
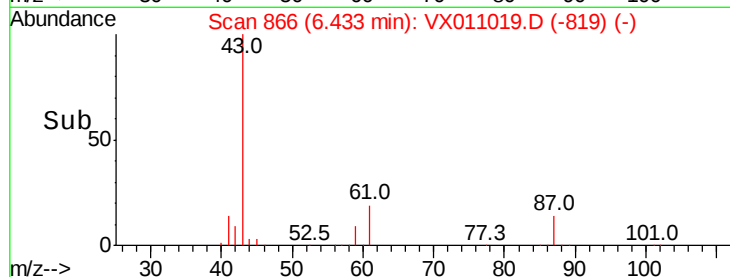
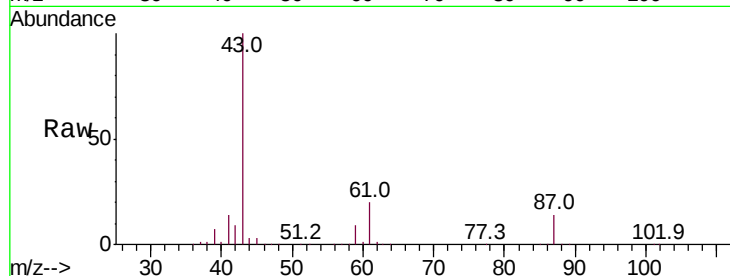
#43
Isopropyl Acetate
Concen: 53.818 ug/l
RT: 6.43 min Scan# 866
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	241953
Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.1	25.7
87	14.8	12.0	18.0

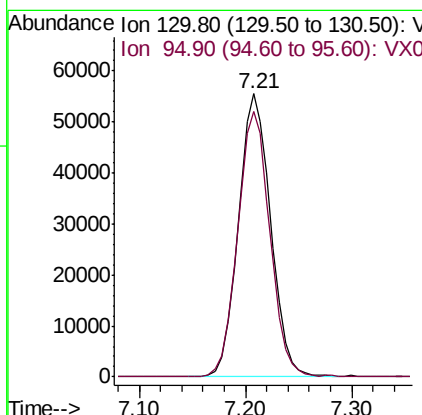
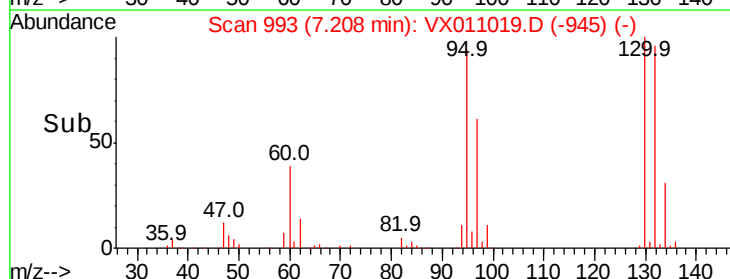
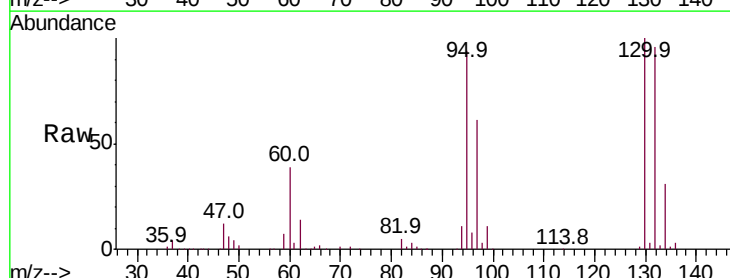
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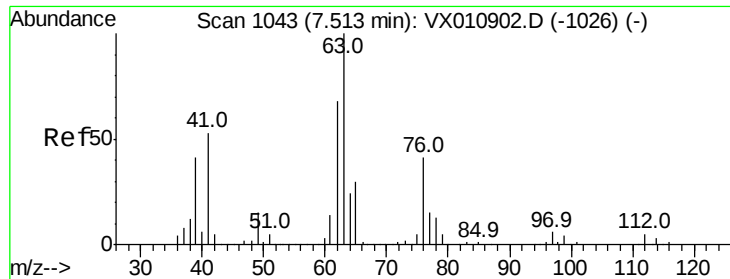
MMDadoda
7/23/2019 11:09:02 AM



#44
Trichloroethene
Concen: 48.747 ug/l
RT: 7.21 min Scan# 993
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion:	130	Resp:	118020
Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	174.8





#45

1,2-Dichloropropane

Concen: 50.003 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 63 Resp: 104095

Ion Ratio Lower Upper

63 100

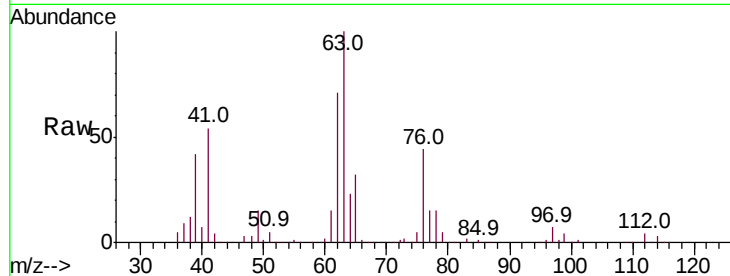
65 32.3 24.4 36.6

Manual Integrations

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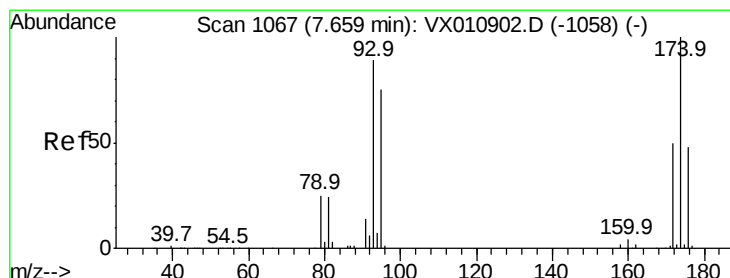
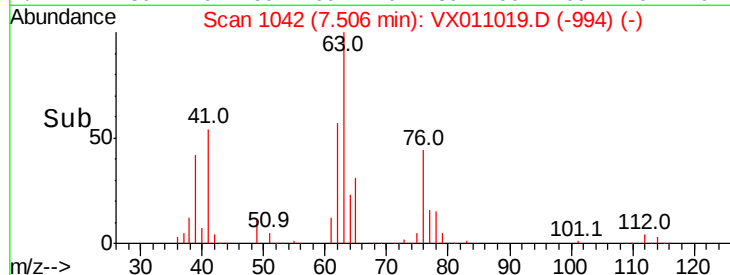
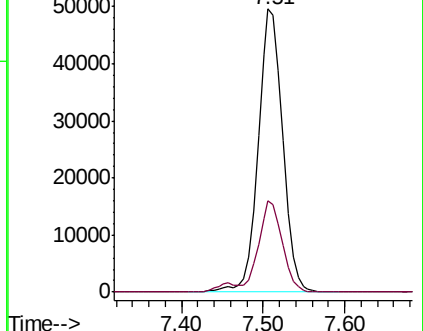
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 53.592 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

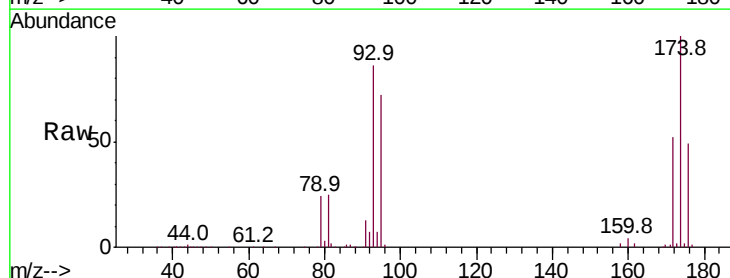
Tgt Ion: 93 Resp: 79721

Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

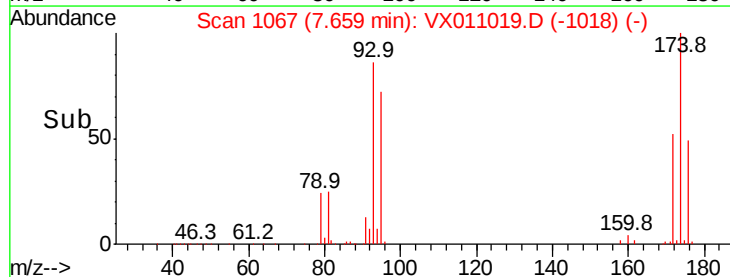
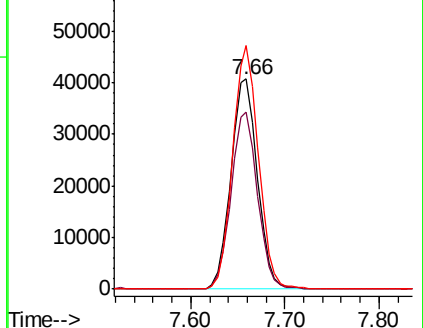
174 112.4 90.6 135.8

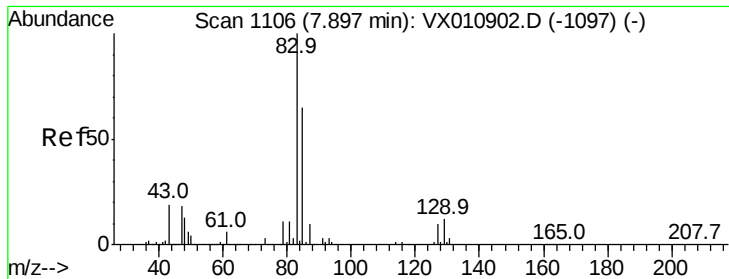


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.707 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

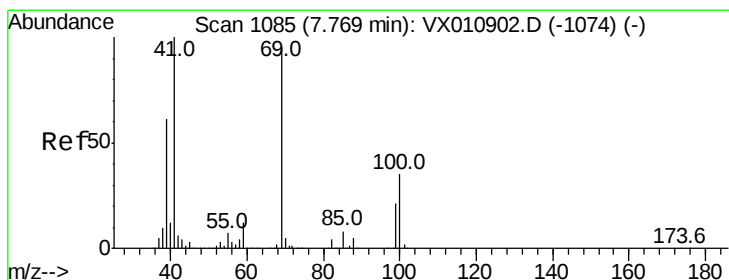
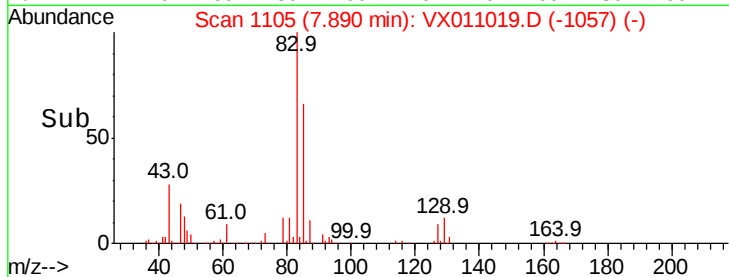
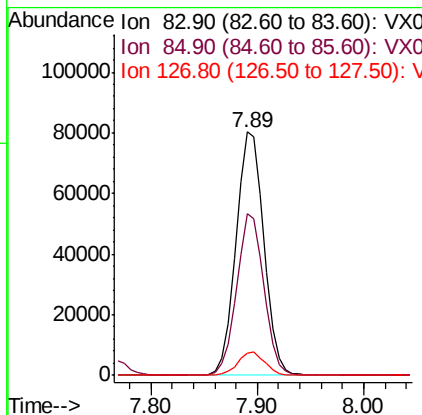
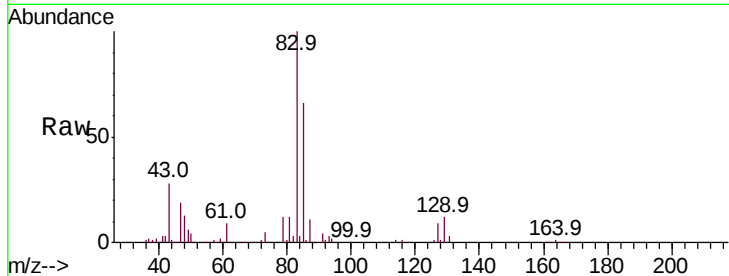
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	147511
Ion Ratio	Lower	Upper	
83	100		
85	66.4	52.5	78.7
127	9.3	7.8	11.8

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#48

Methyl methacrylate

Concen: 54.044 ug/l

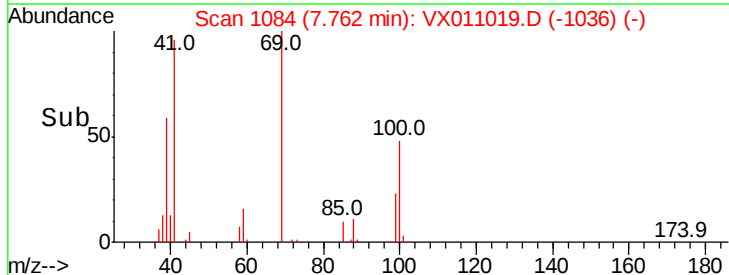
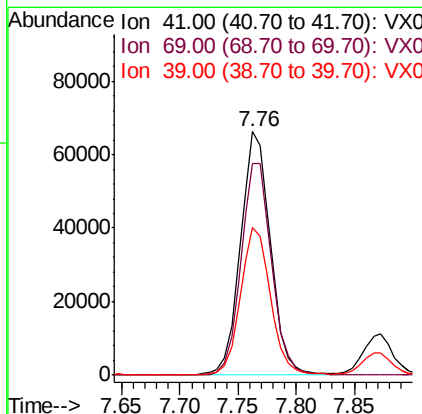
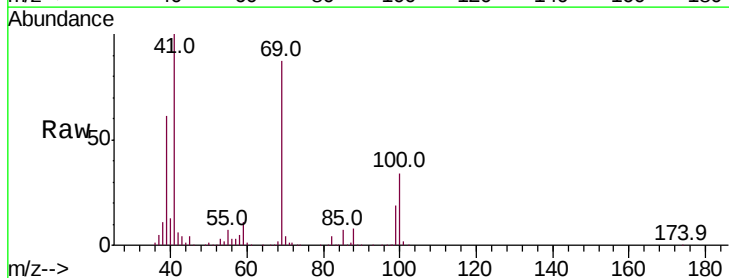
RT: 7.76 min Scan# 1084

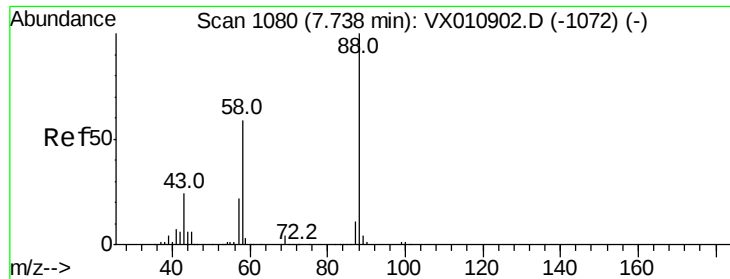
Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion:	41	Resp:	118364
Ion Ratio	Lower	Upper	
41	100		
69	89.1	74.4	111.6
39	60.5	48.9	73.3





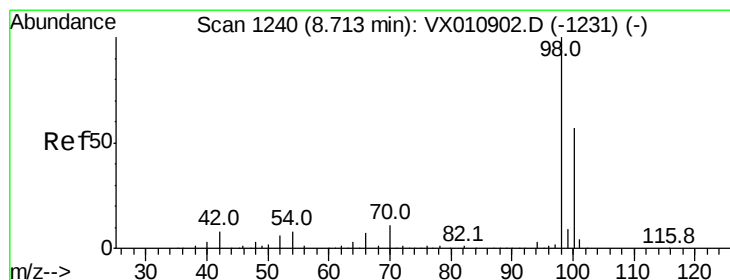
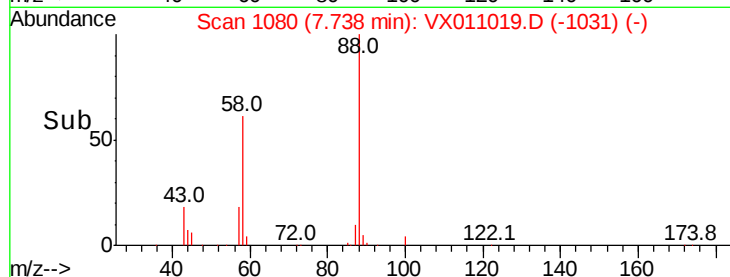
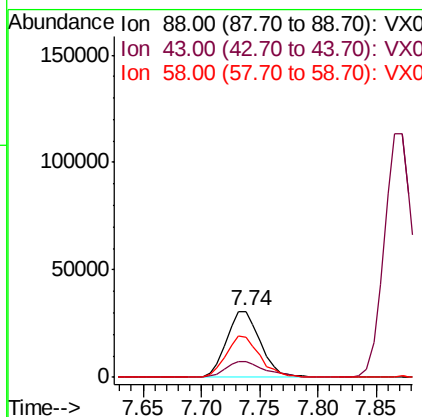
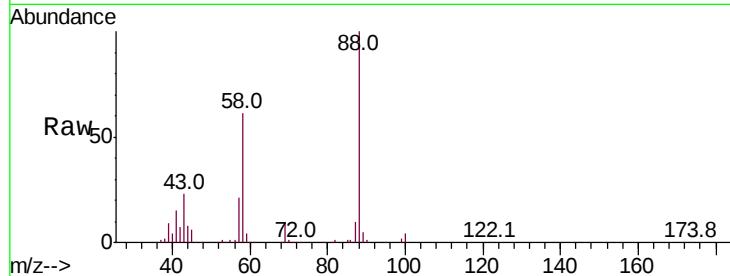
#49
1,4-Dioxane
Concen: 1017.484 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.6	22.9	34.3
58	62.6	49.8	74.8

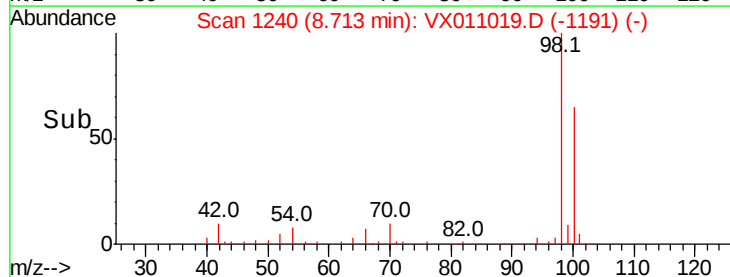
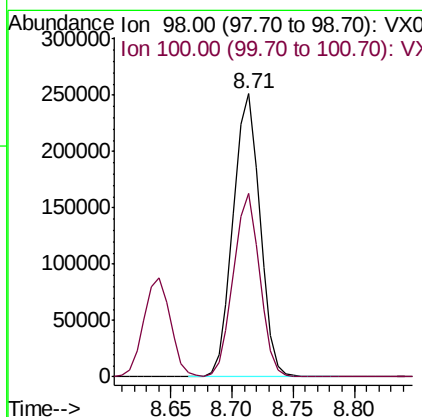
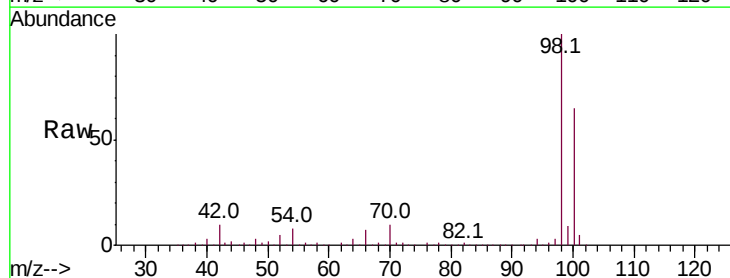
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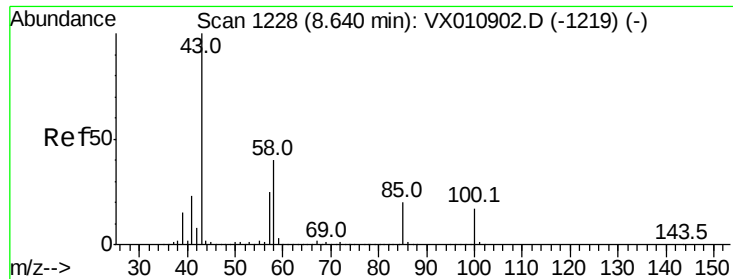
MMDadoda
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#50
Toluene-d8
Concen: 49.287 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 268.278 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 781854

Ion Ratio Lower Upper

43 100

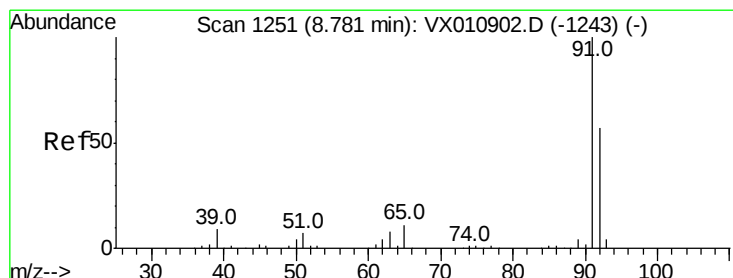
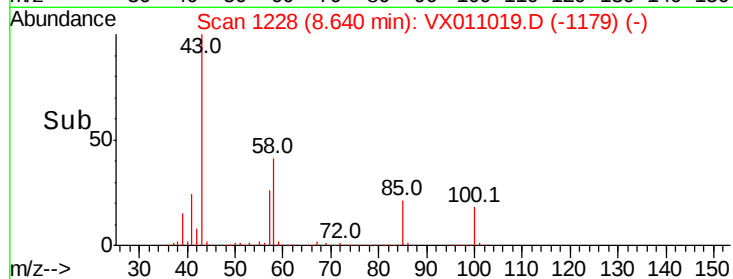
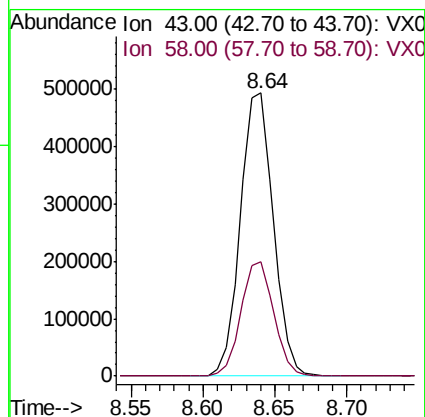
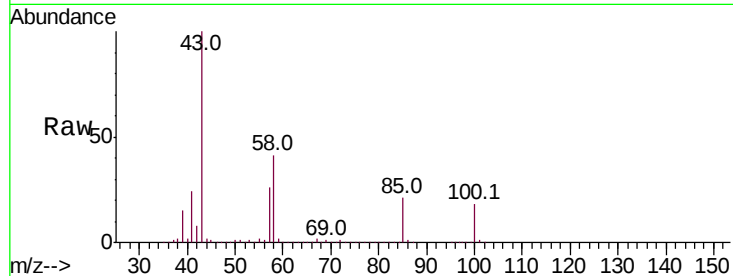
58 40.2 32.2 48.4

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#52

Toluene

Concen: 49.136 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011019.D

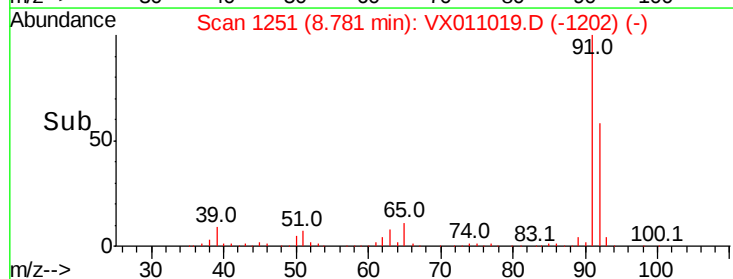
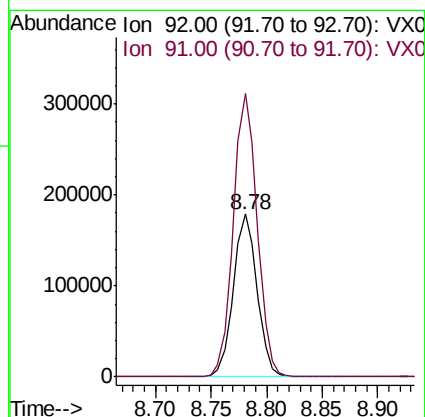
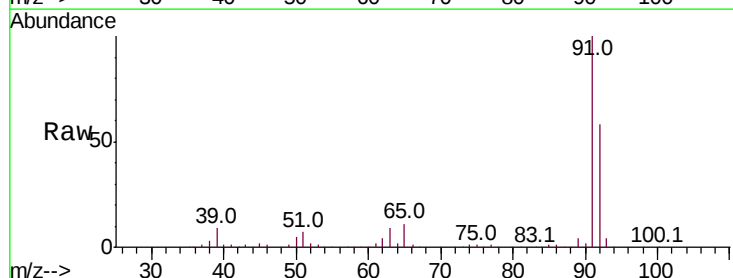
Acq: 22 Jul 2019 10:21

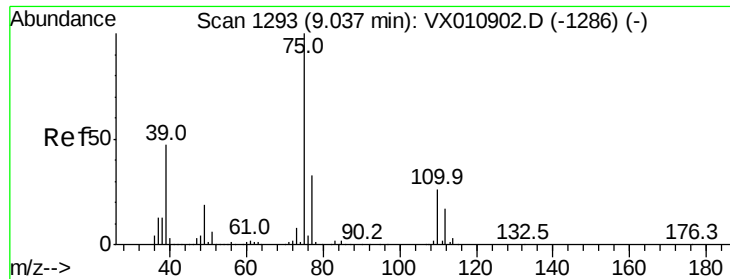
Tgt Ion: 92 Resp: 264017

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.0





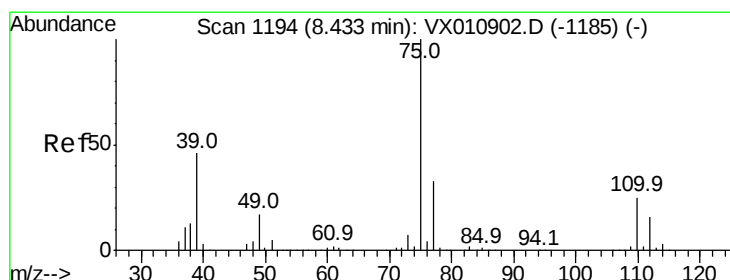
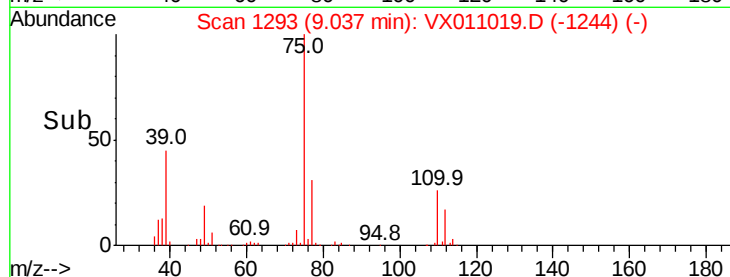
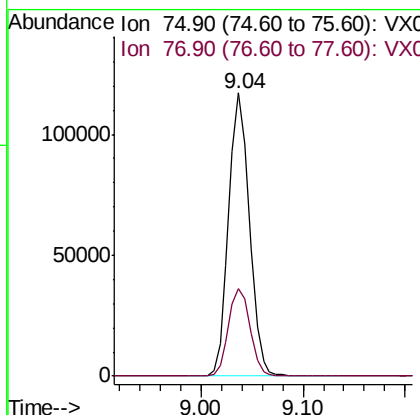
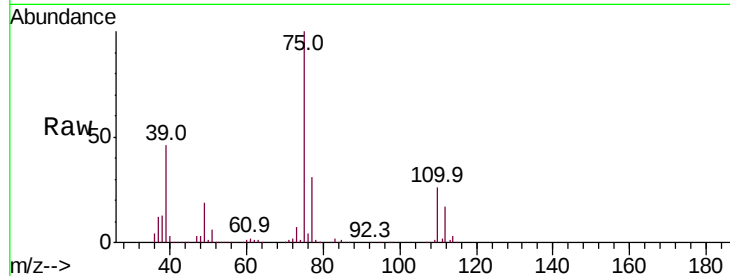
#53
t-1,3-Dichloropropene
Concen: 58.110 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 165453
Ion Ratio Lower Upper
75 100
77 31.0 26.2 39.2

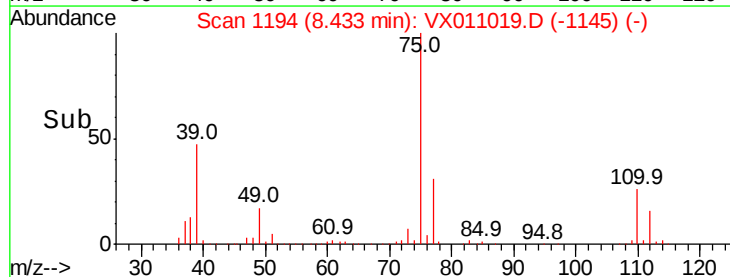
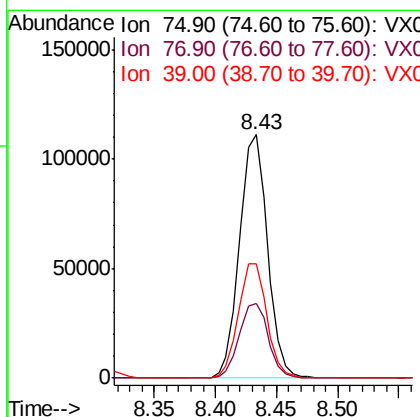
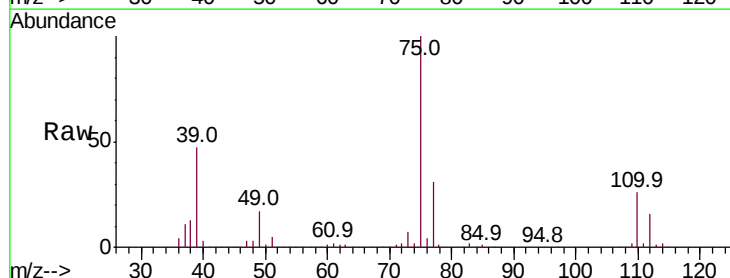
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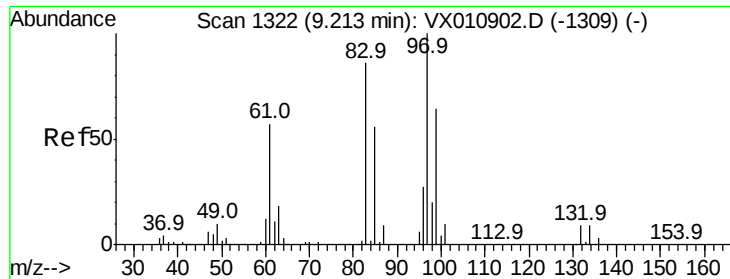
MMDadoda
7/23/2019 11:09:02 AM



#54
cis-1,3-Dichloropropene
Concen: 55.655 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion: 75 Resp: 176330
Ion Ratio Lower Upper
75 100
77 30.5 26.1 39.1
39 46.7 36.6 54.8





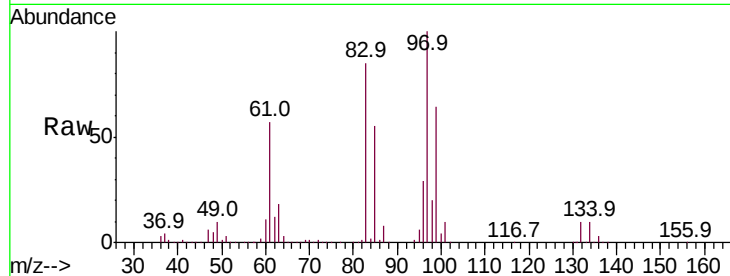
#55
 1,1,2-Trichloroethane
 Concen: 52.998 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	117253		
83	85.1	69.2	103.8	
85	55.0	44.6	66.8	
99	64.1	51.2	76.8	

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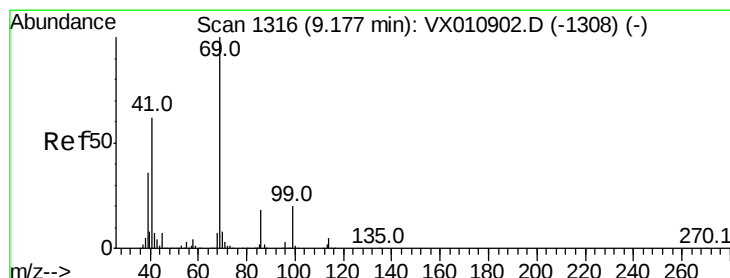
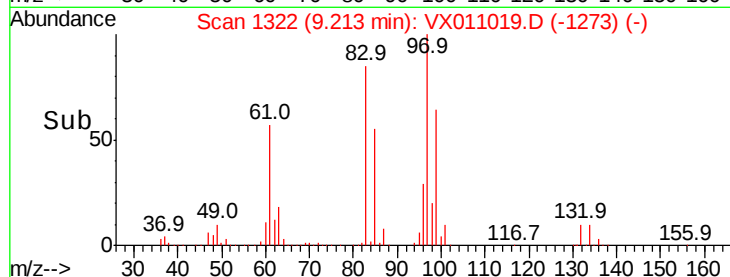
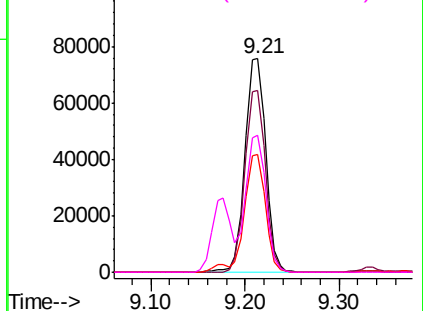
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

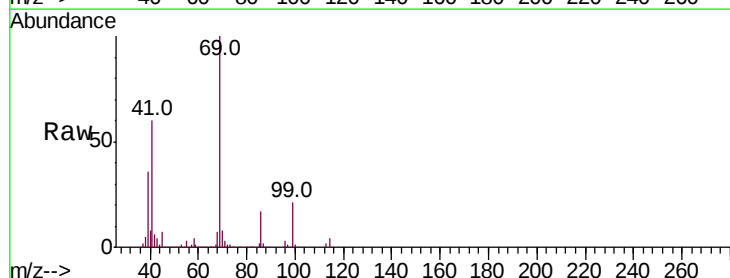
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 55.866 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	180792		
41	62.9	49.7	74.5	
39	37.5	29.6	44.4	

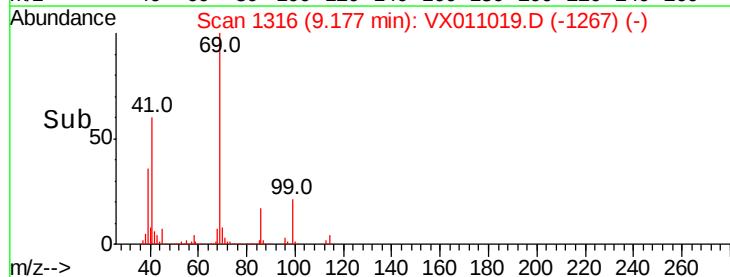
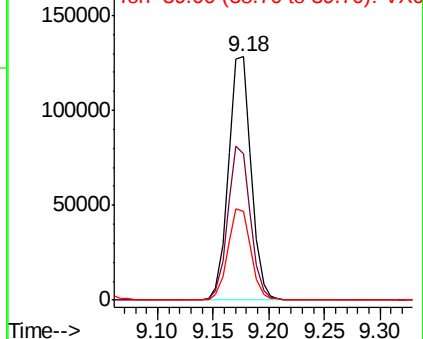


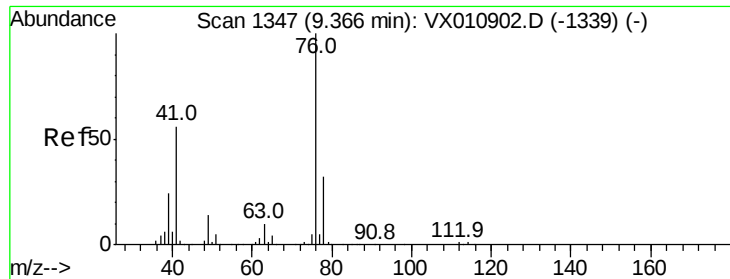
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.886 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 182104

Ion Ratio Lower Upper

76 100

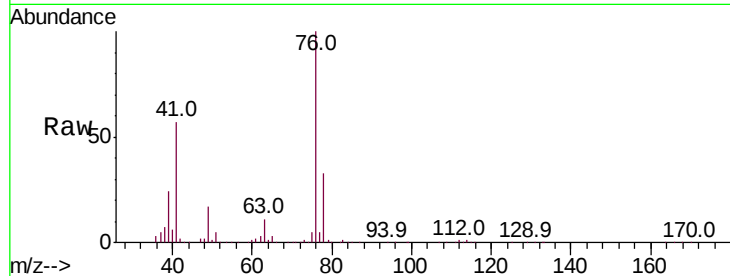
78 32.9 25.6 38.4

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

150000

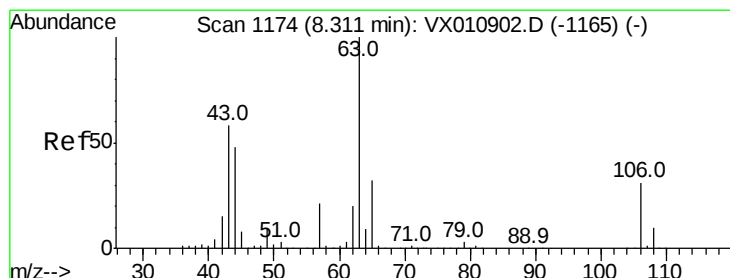
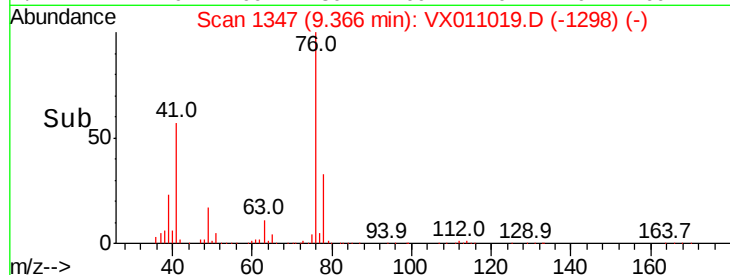
100000

50000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 273.428 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX011019.D

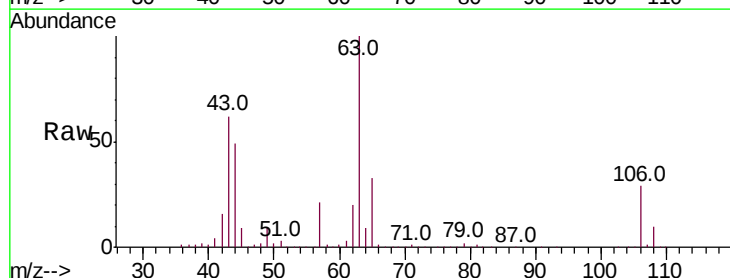
Acq: 22 Jul 2019 10:21

Tgt Ion: 63 Resp: 422400

Ion Ratio Lower Upper

63 100

106 30.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

300000

250000

200000

150000

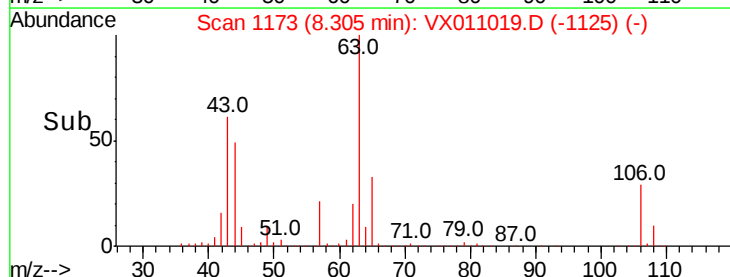
100000

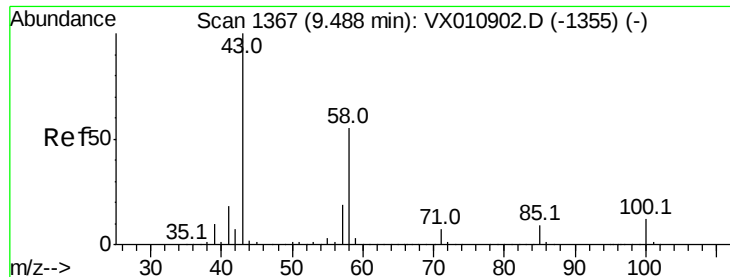
50000

0

8.20 8.30 8.40

Time-->





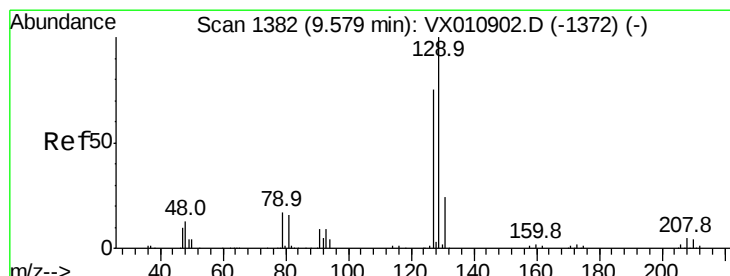
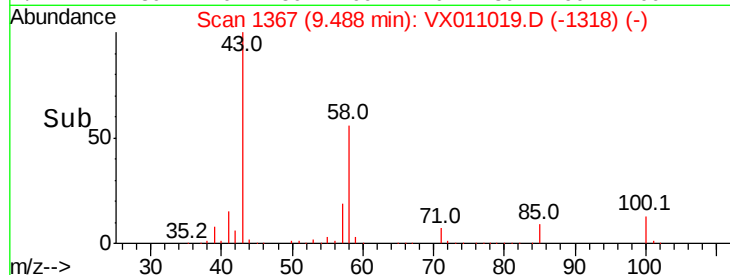
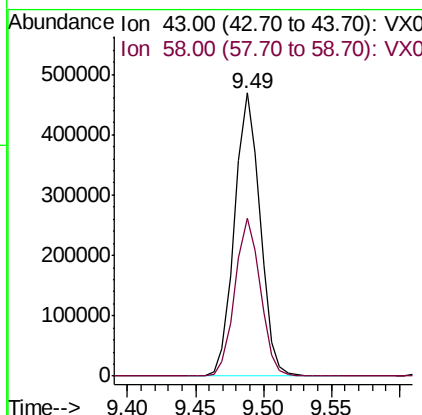
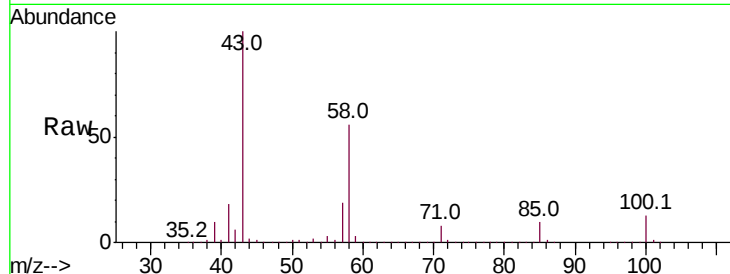
#59
2-Hexanone
Concen: 271.742 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 614249
Ion Ratio Lower Upper
43 100
58 55.7 28.0 83.9

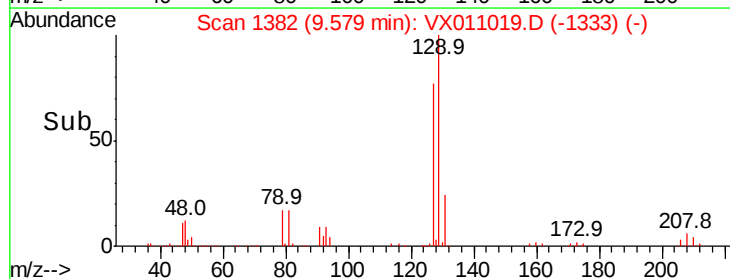
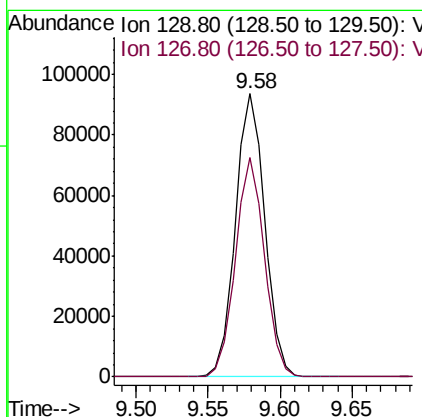
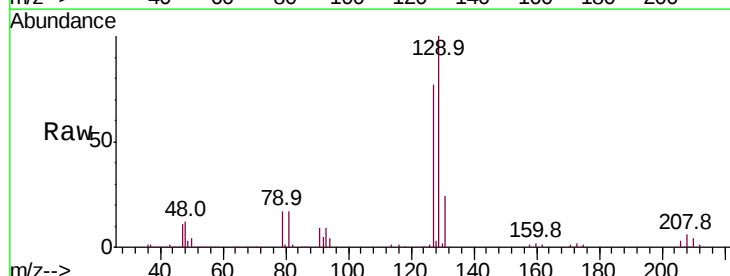
Manual Integrations
APPROVED

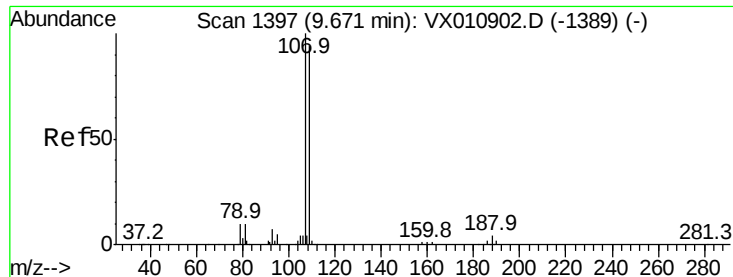
MMDadoda
7/23/2019 11:09:02 AM



#60
Dibromochloromethane
Concen: 52.196 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion: 129 Resp: 133199
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 53.638 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 125938

Ion Ratio Lower Upper

107 100

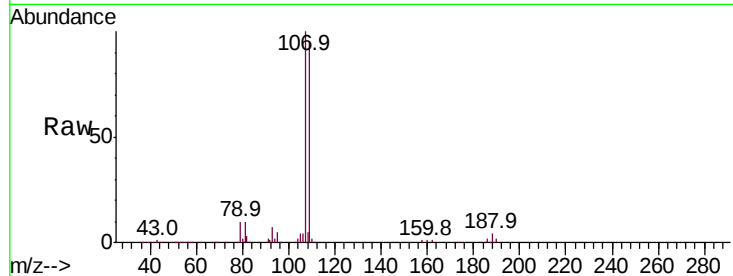
109 95.7 75.4 113.0

Manual Integrations

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7/23/2019 11:09:02 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

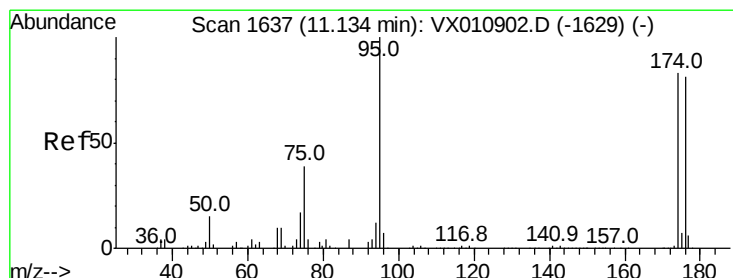
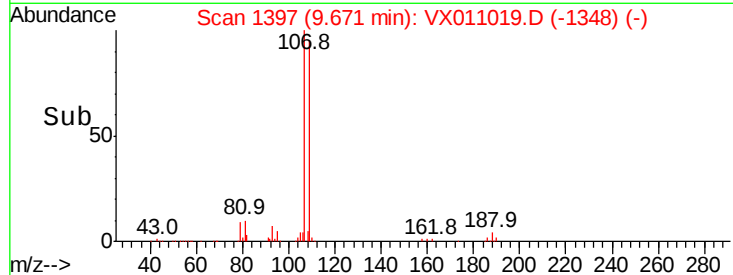
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.168 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

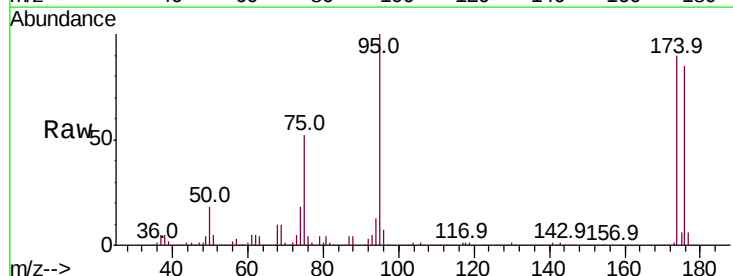
Tgt Ion: 95 Resp: 151237

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.6

176 87.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

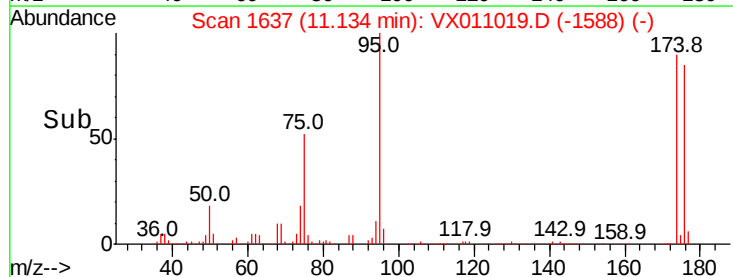
150000

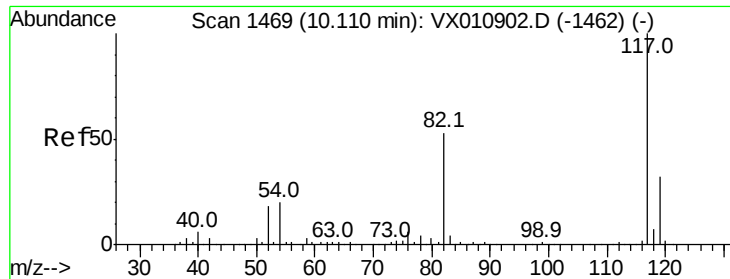
100000

50000

0

Time-->





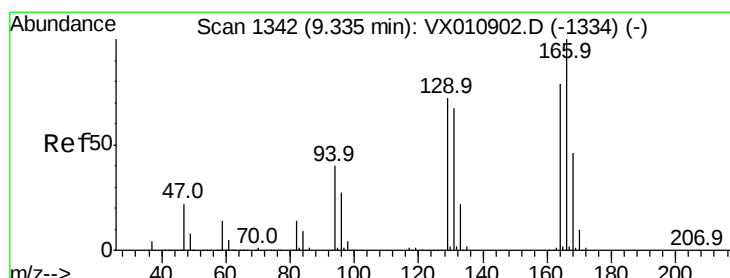
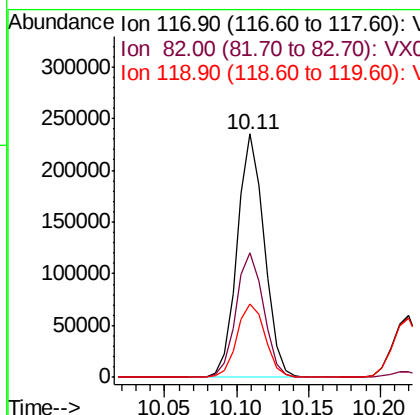
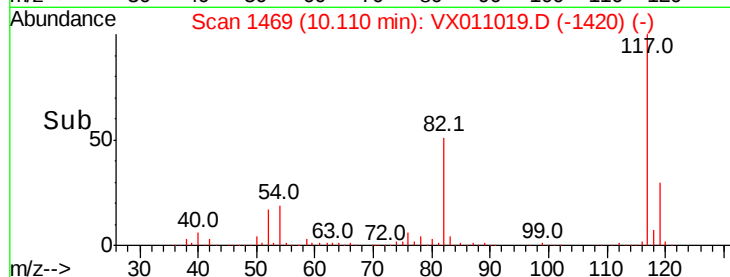
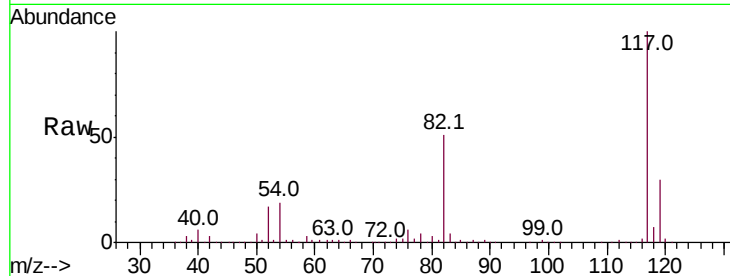
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307777		
82	51.3		42.6	63.8
119	30.3		25.9	38.9

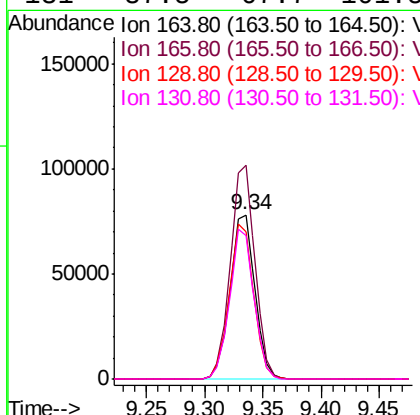
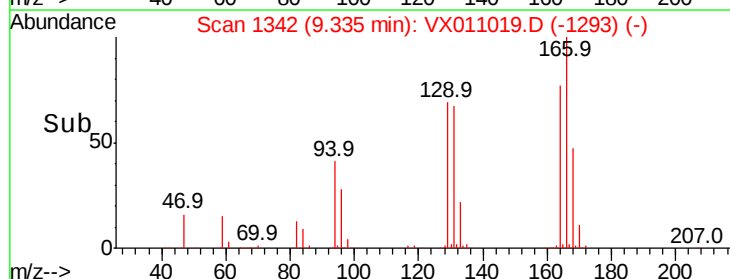
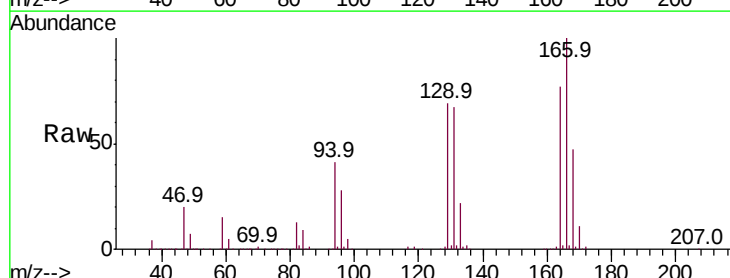
Manual Integrations
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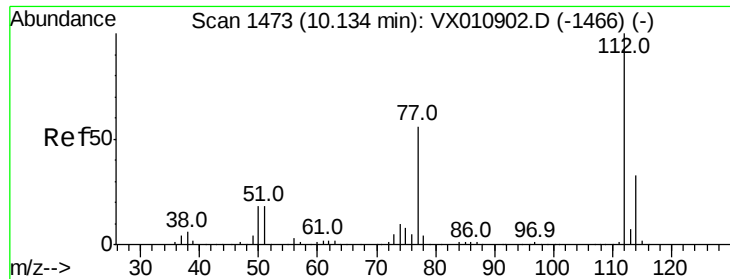
MMDadoda
7/23/2019 11:09:02 AM



#64
Tetrachloroethene
Concen: 47.965 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	116134		
166	130.1		100.8	151.2
129	89.9		72.6	109.0
131	87.5		67.7	101.5





#65

Chlorobenzene

Concen: 48.761 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion:112 Resp: 308241

Ion Ratio Lower Upper

112 100

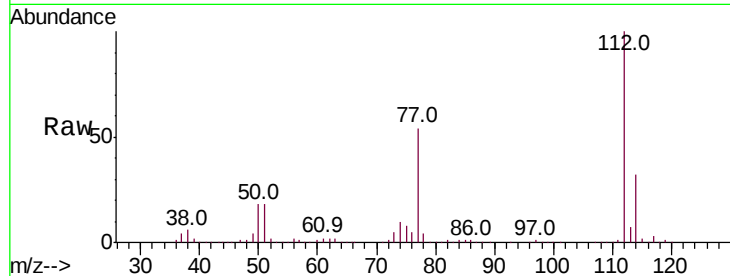
114 31.9 26.2 39.4

Manual Integrations

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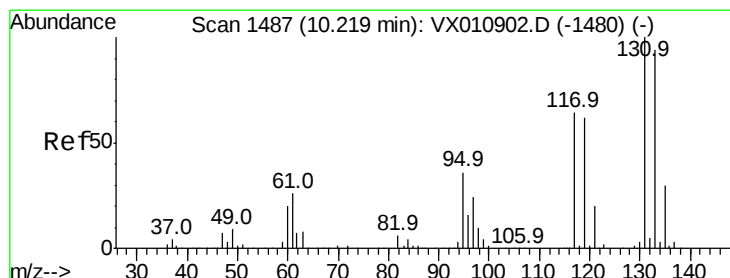
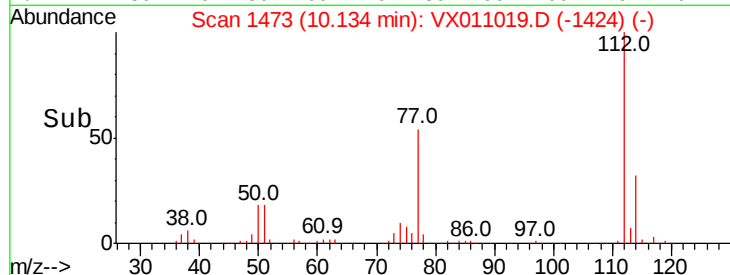
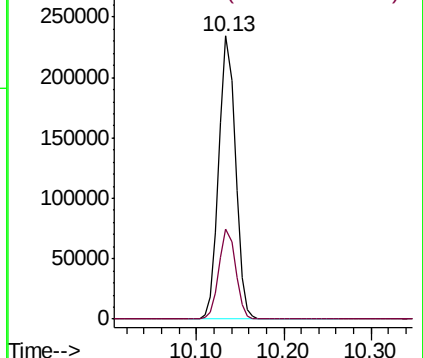
MMDadoda

7/23/2019 11:09:02 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.301 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

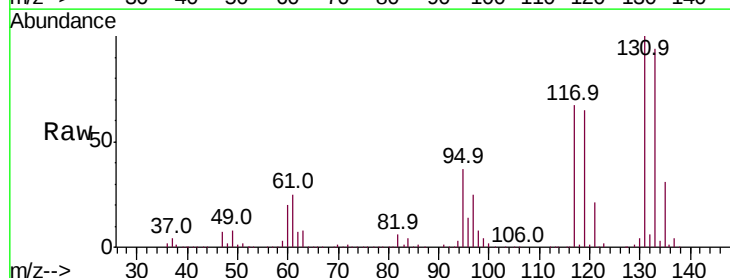
Tgt Ion:131 Resp: 118420

Ion Ratio Lower Upper

131 100

133 94.5 47.1 141.4

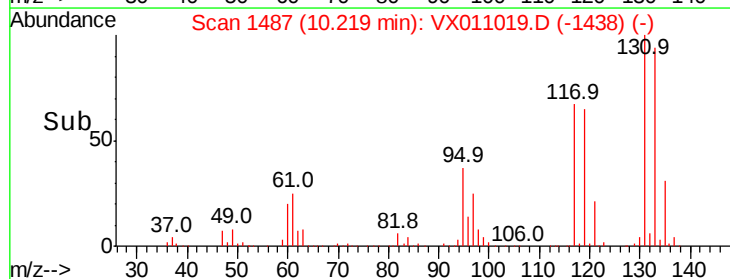
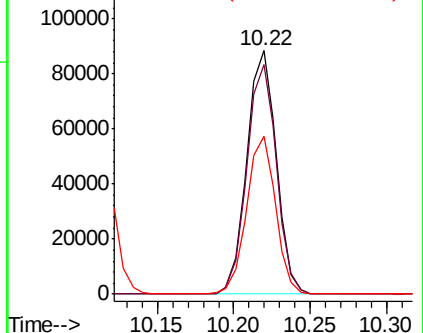
119 63.6 31.9 95.7

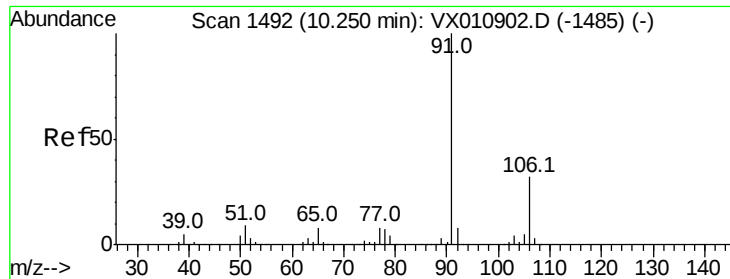


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





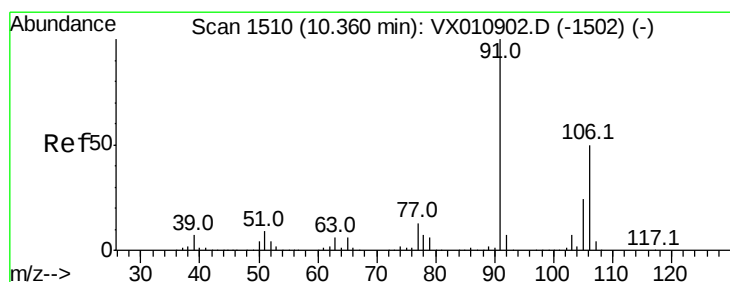
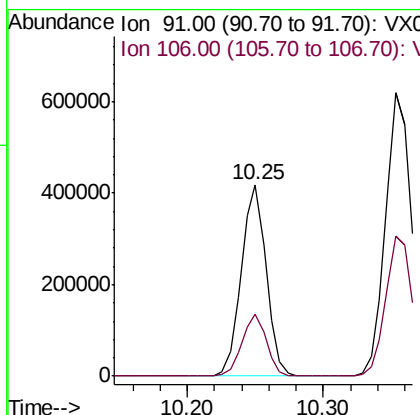
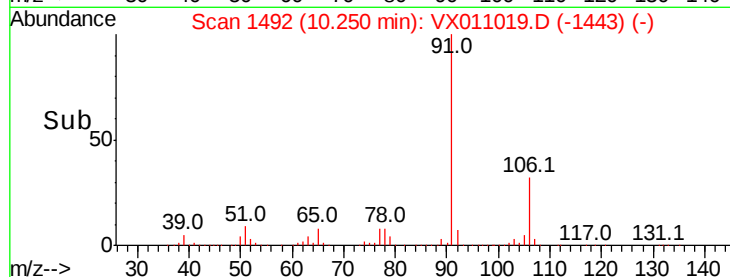
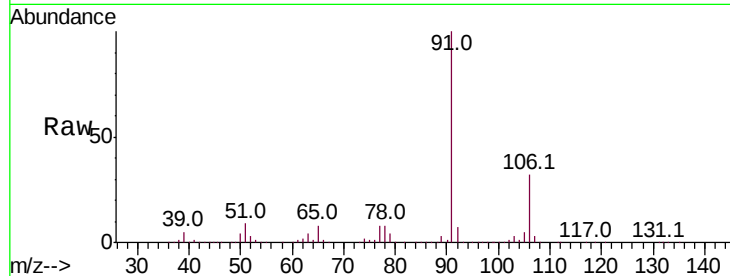
#67
Ethyl Benzene
Concen: 49.469 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 532281
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.2

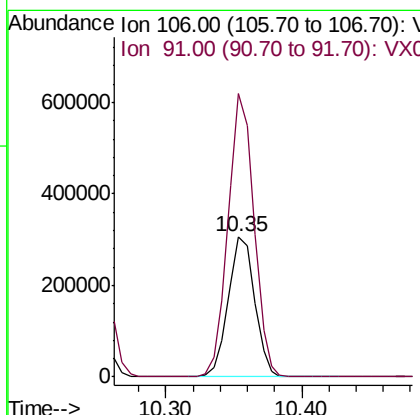
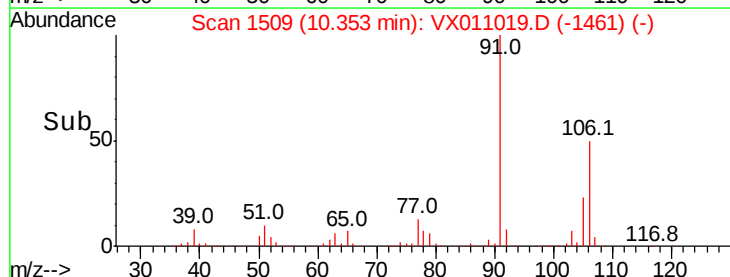
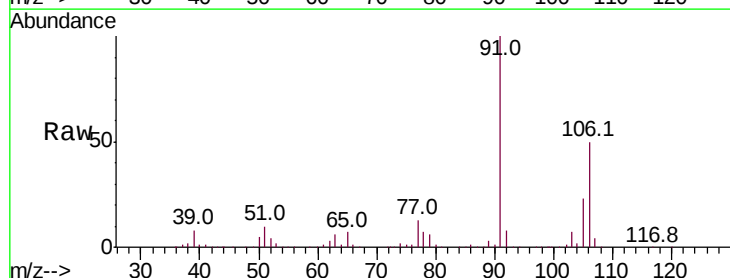
Manual Integrations
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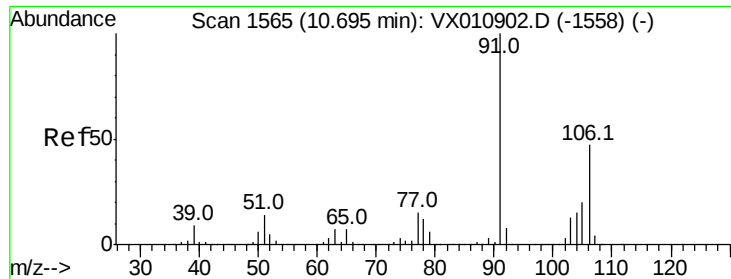
MMDadoda
7/23/2019 11:09:02 AM



#68
m/p-Xylenes
Concen: 100.431 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion: 106 Resp: 414521
Ion Ratio Lower Upper
106 100
91 198.8 160.1 240.1





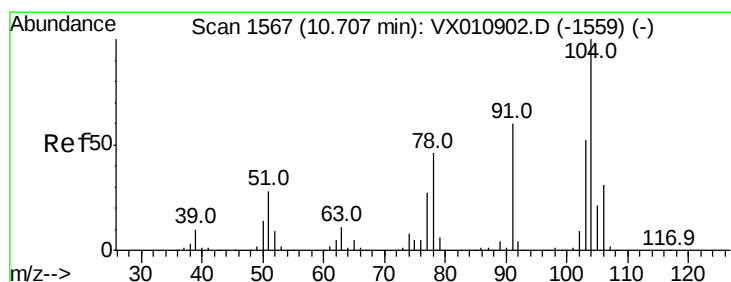
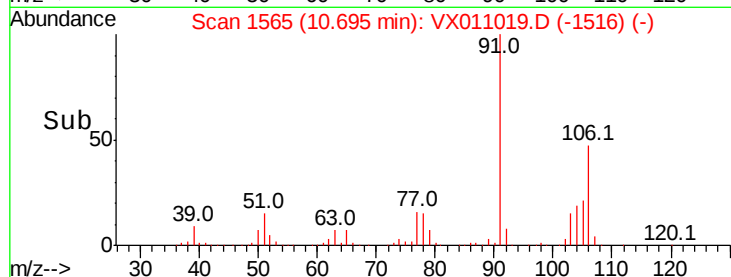
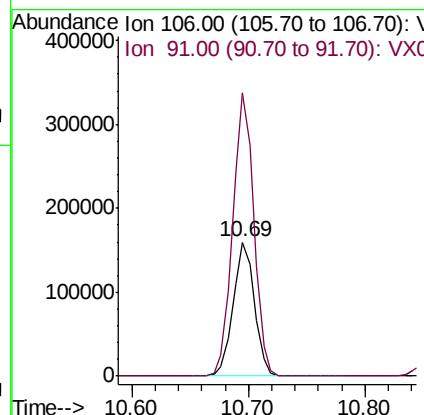
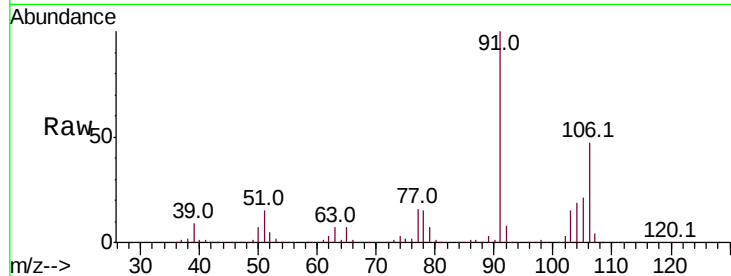
#69
o-Xylene
Concen: 50.075 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.1	315.3

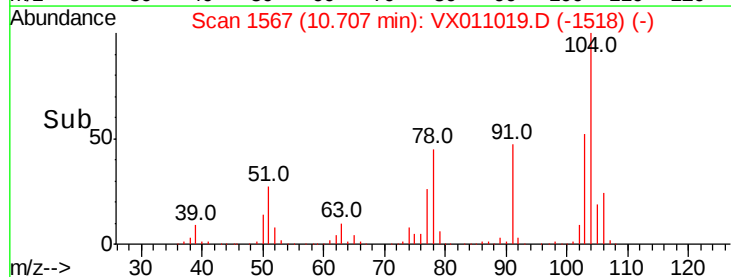
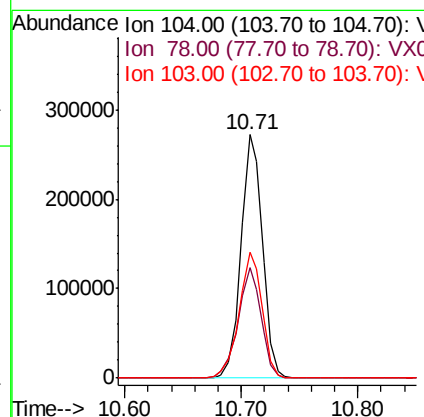
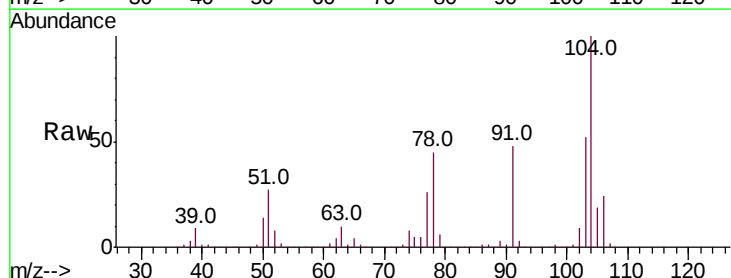
Manual Integrations
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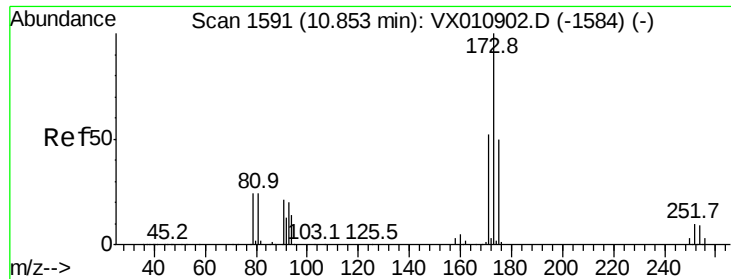
MMDadoda
7/23/2019 11:09:02 AM



#70
Styrene
Concen: 52.139 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.8	58.2
103	55.5	44.2	66.4





#71

Bromoform

Concen: 51.553 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 104455

Ion Ratio Lower Upper

173 100

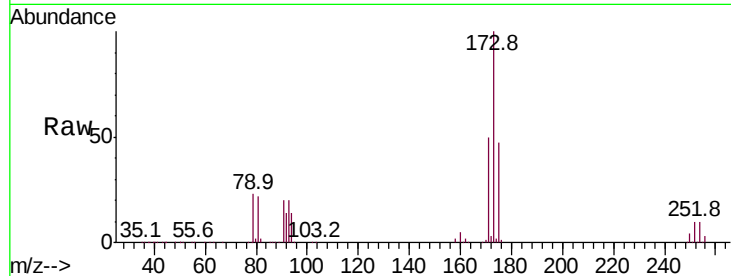
175 48.2 24.6 73.6

254 0.1 0.1 0.1#

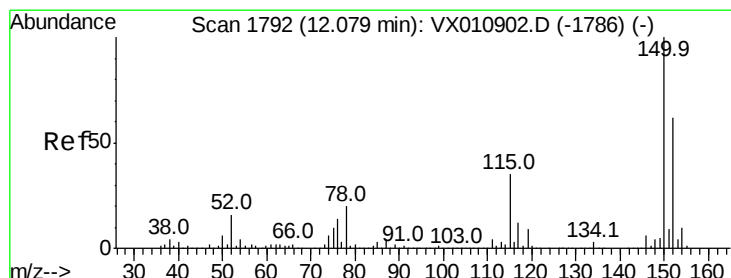
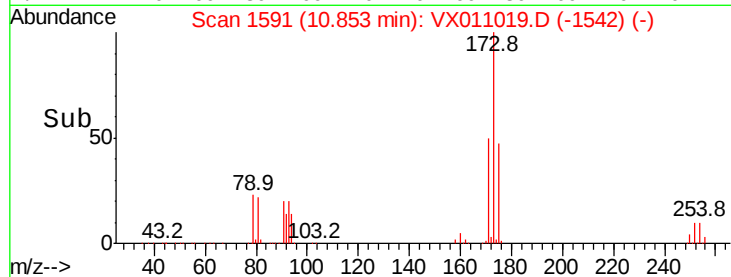
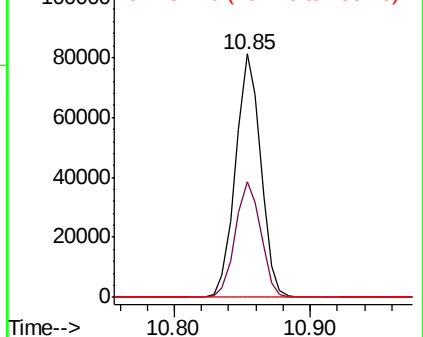
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

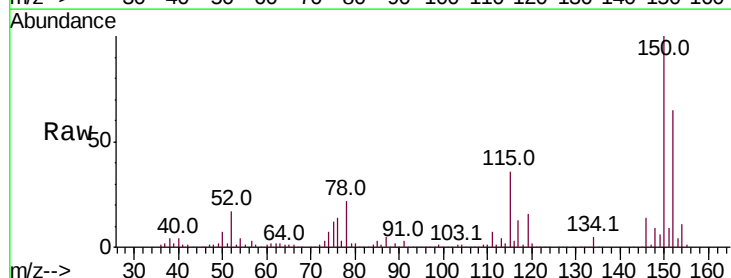
Tgt Ion:152 Resp: 168396

Ion Ratio Lower Upper

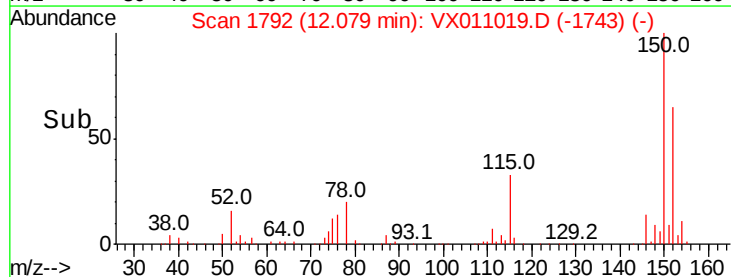
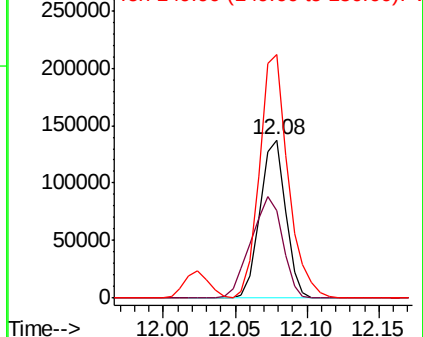
152 100

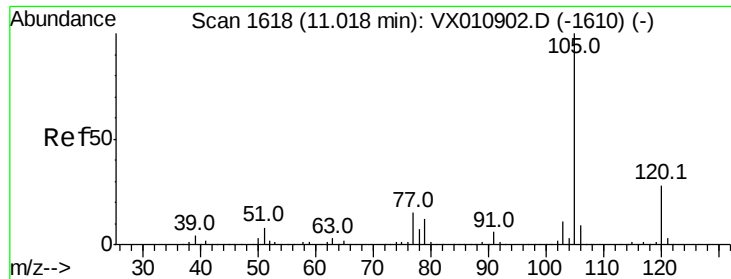
115 79.9 39.7 119.1

150 171.4 0.0 345.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.747 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 543290

Ion Ratio Lower Upper

105 100

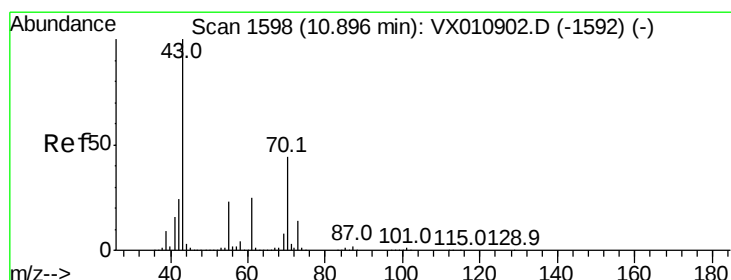
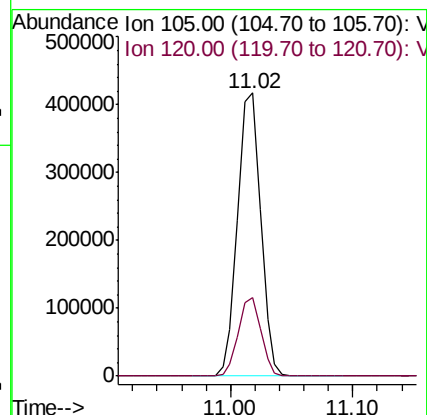
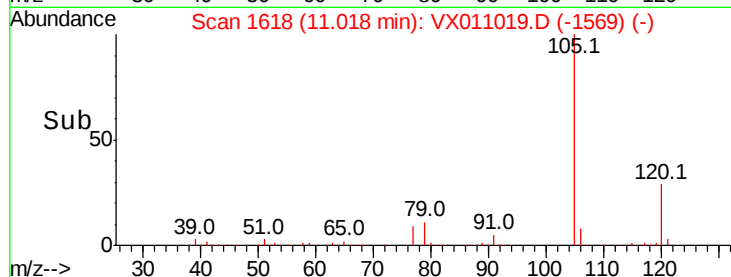
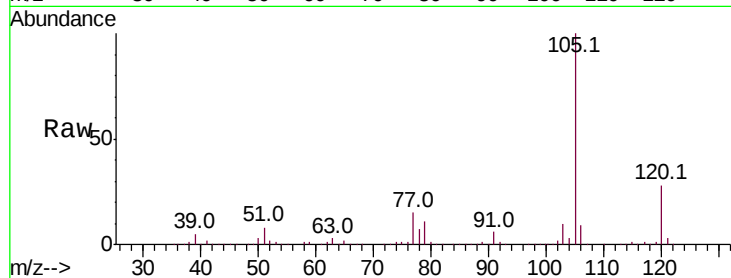
120 27.2 13.7 41.1

Manual Integrations

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7/23/2019 11:09:02 AM



#74

N-ethyl acetate

Concen: 51.896 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion: 43 Resp: 225623

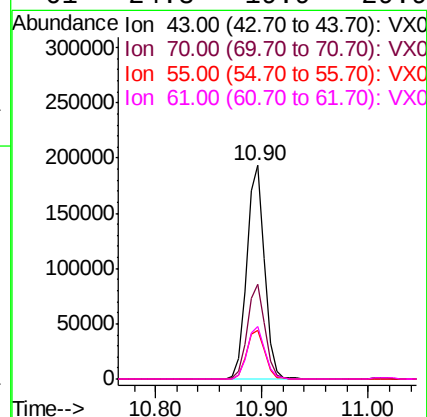
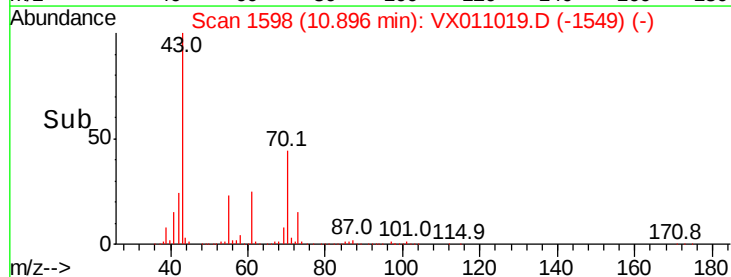
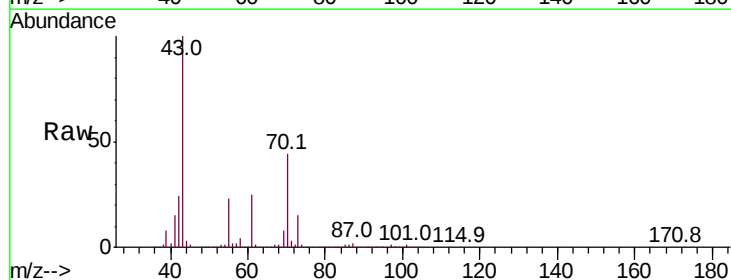
Ion Ratio Lower Upper

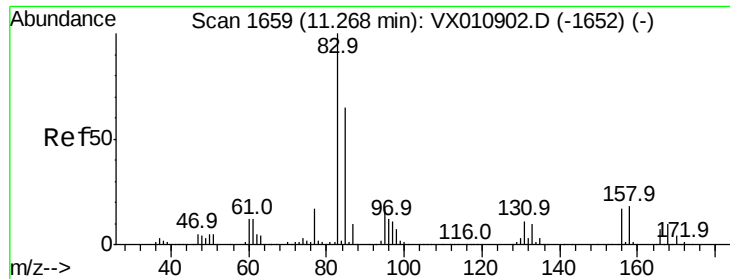
43 100

70 43.9 34.7 52.1

55 23.9 19.1 28.7

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.518 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

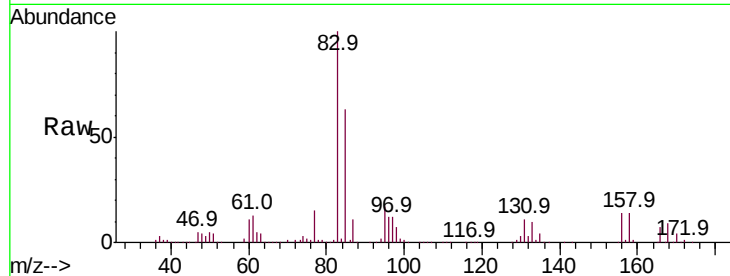
ClientSampleId :

VSTDCCC050

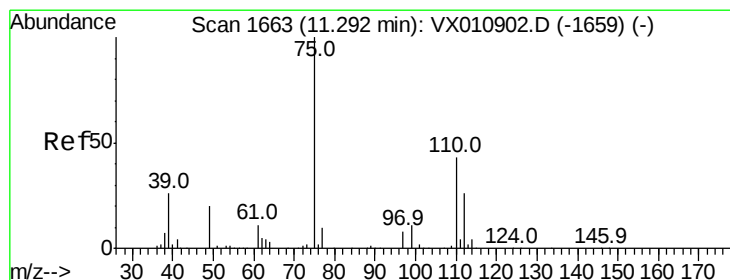
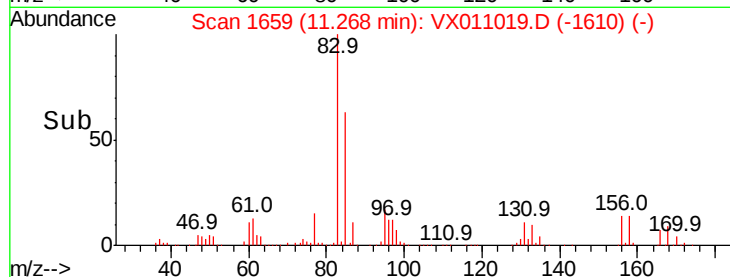
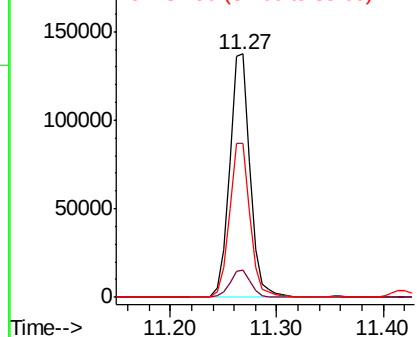
Tot Ion:	83	Resp:	184390
Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.5	16.4
85	63.9	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 52.597 ug/l m

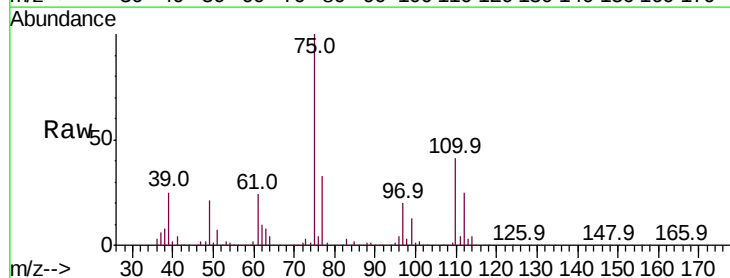
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

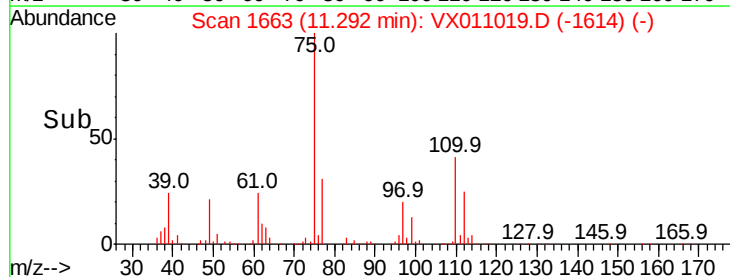
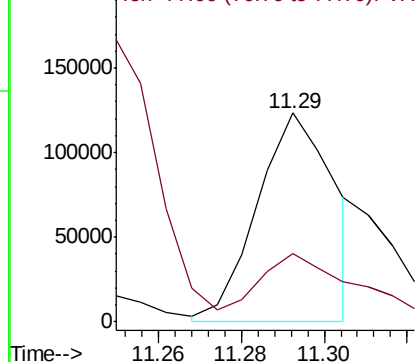
Lab File: VX011019.D

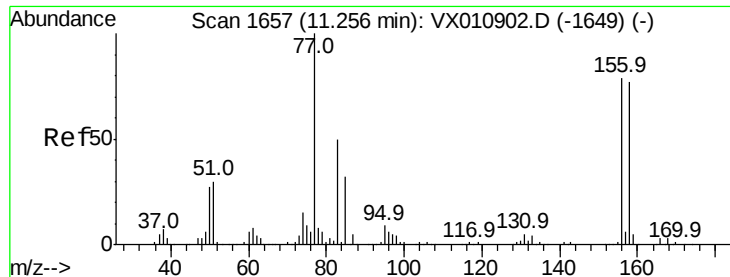
Acq: 22 Jul 2019 10:21

Tgt Ion:	75	Resp:	159832
Ion	Ratio	Lower	Upper
75	100		
77	41.9	21.3	64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 47.854 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

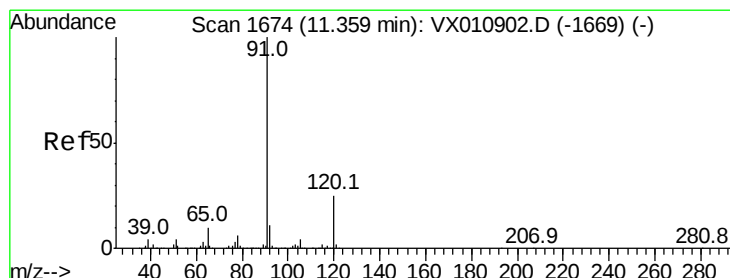
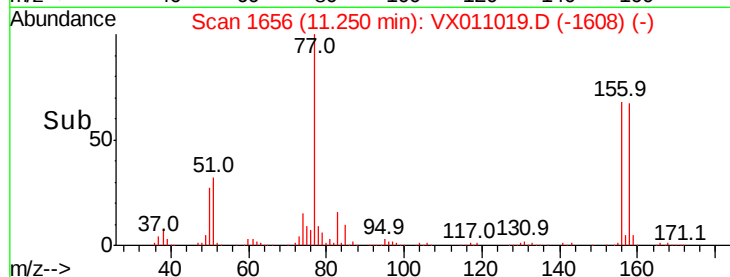
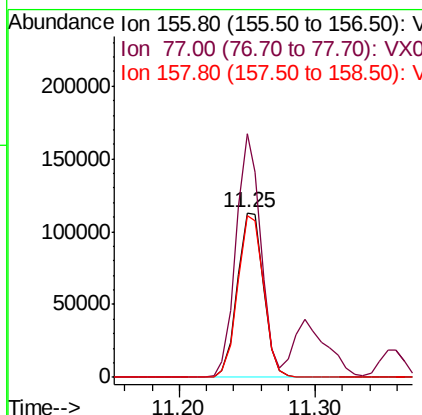
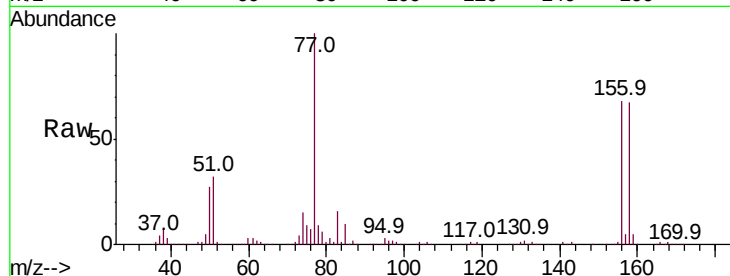
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	150194
Ion Ratio	Lower	Upper	
156	100		
77	140.7	68.7	206.1
158	97.7	47.9	143.7

Manual Integrations
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#78

n-propylbenzene

Concen: 48.775 ug/l

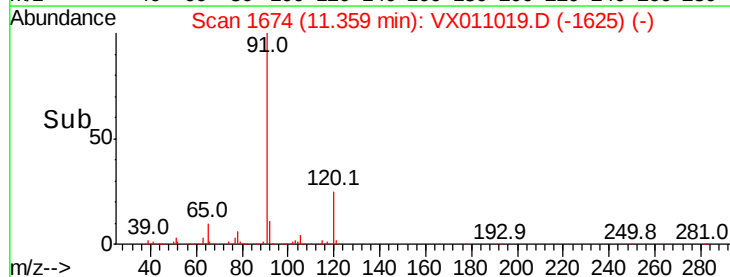
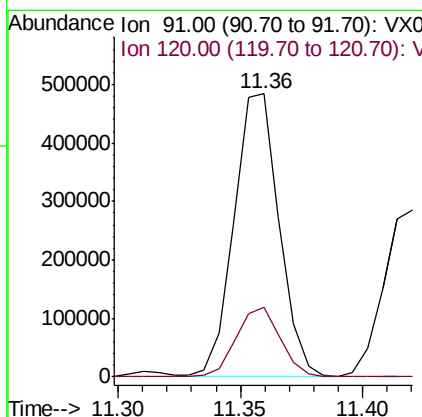
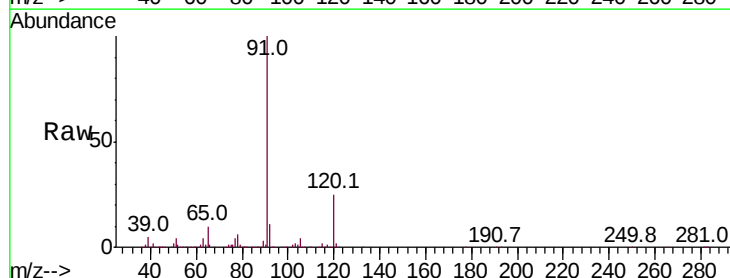
RT: 11.36 min Scan# 1674

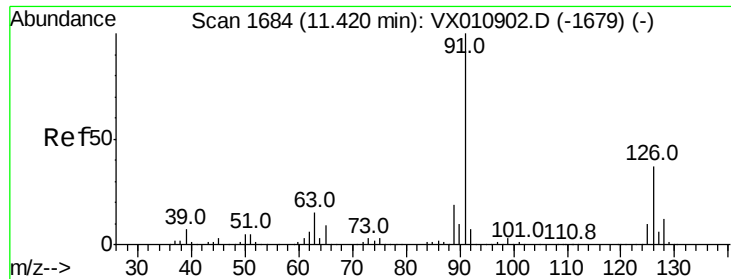
Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion:	91	Resp:	613210
Ion Ratio	Lower	Upper	
91	100		
120	24.3	12.3	36.8





#79

2-Chlorotoluene

Concen: 48.883 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion: 91 Resp: 369188

Ion Ratio Lower Upper

91 100

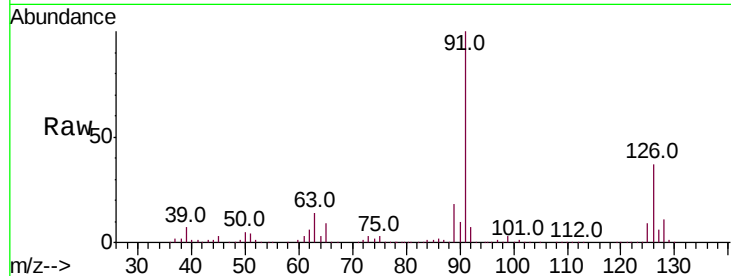
126 36.5 18.0 54.0

Manual Integrations

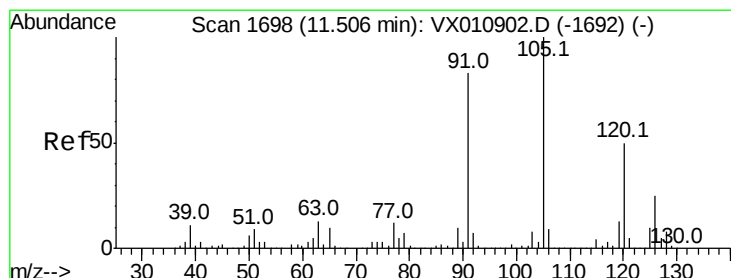
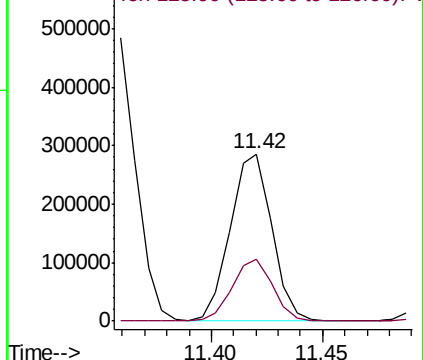
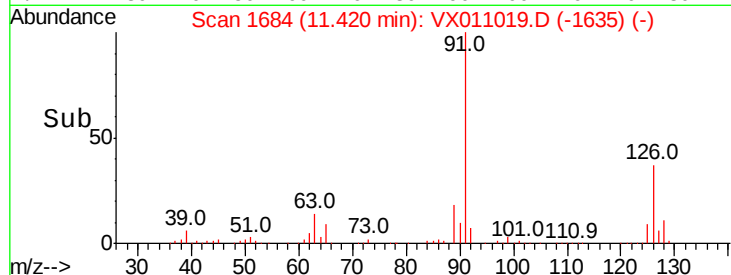
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Abundance Ion 91.00 (90.70 to 91.70): VX011019.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.155 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011019.D

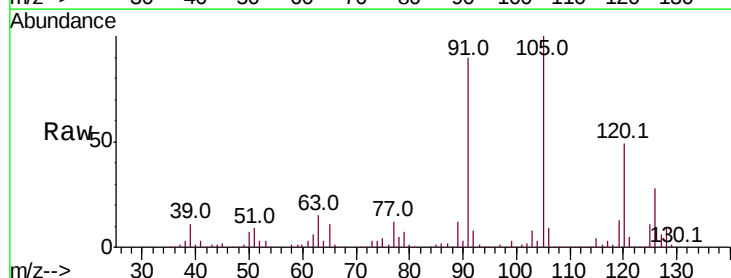
Acq: 22 Jul 2019 10:21

Tgt Ion: 105 Resp: 467356

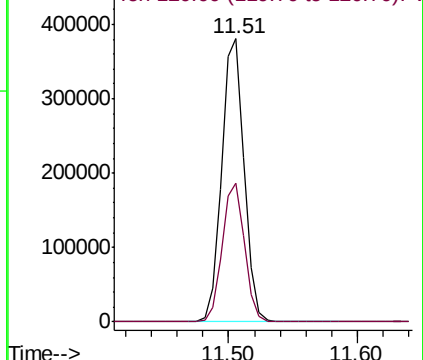
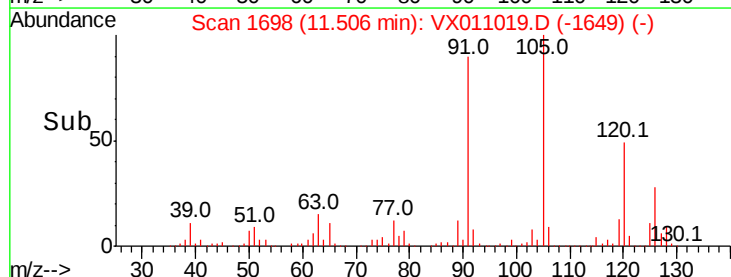
Ion Ratio Lower Upper

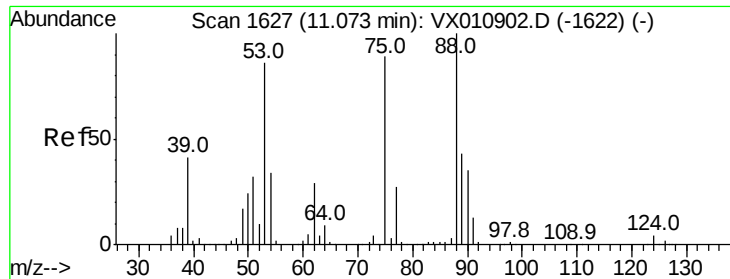
105 100

120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX011019.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.457 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 59264

Ion Ratio Lower Upper

75 100

53 94.5 76.7 115.1

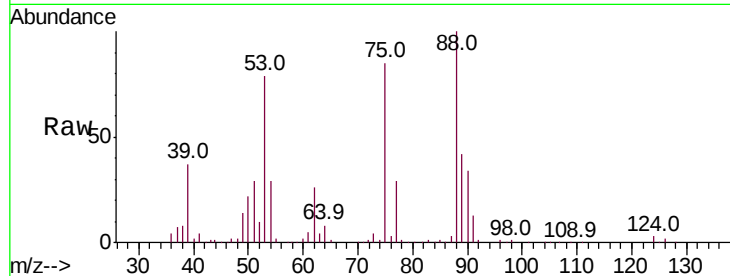
89 48.1 38.5 57.7

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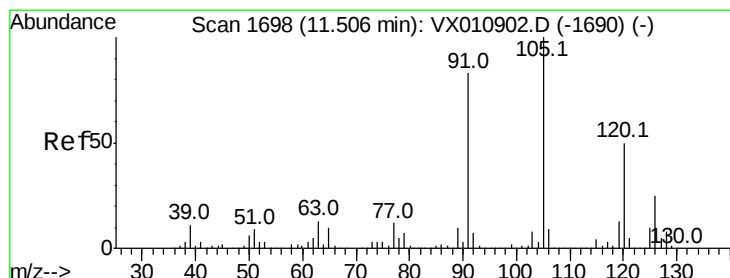
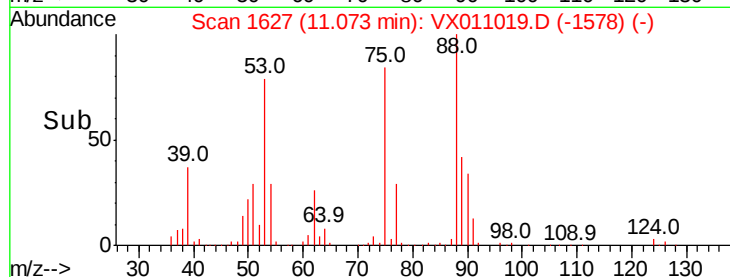
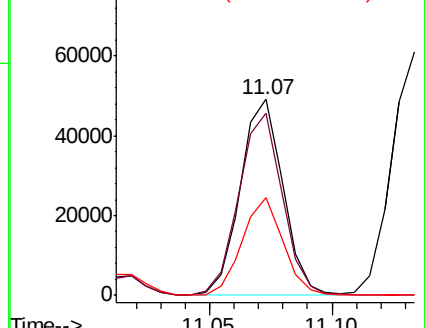
7/23/2019 11:09:02 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 49.073 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011019.D

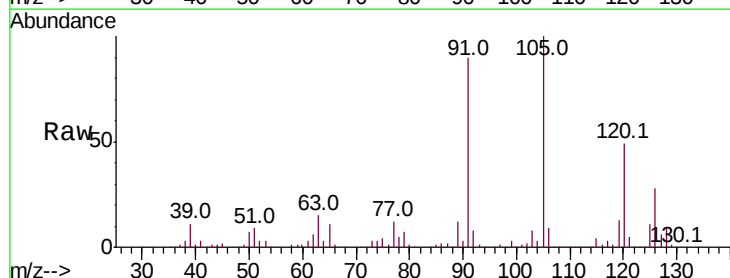
Acq: 22 Jul 2019 10:21

Tgt Ion: 91 Resp: 431363

Ion Ratio Lower Upper

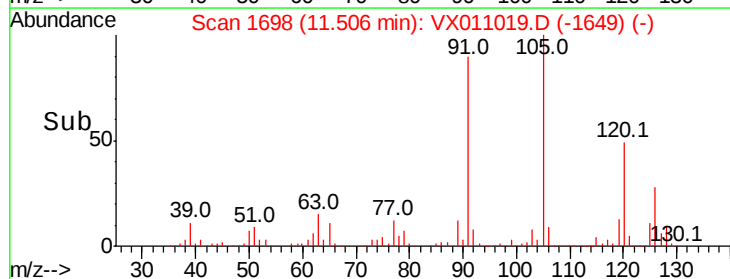
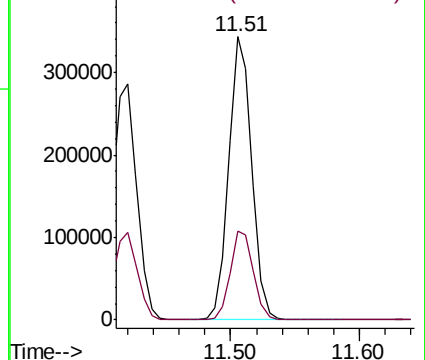
91 100

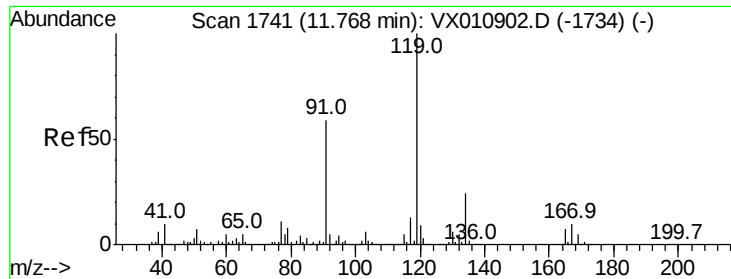
126 31.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





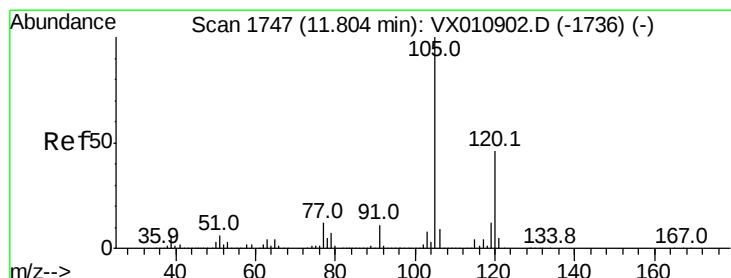
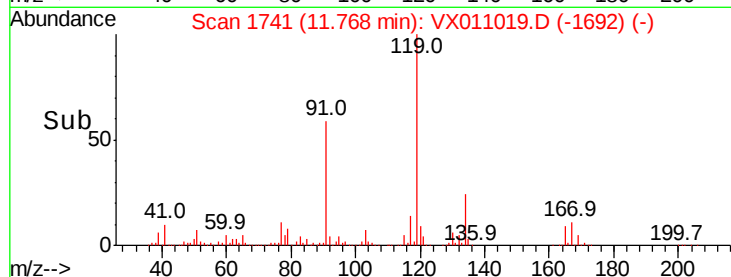
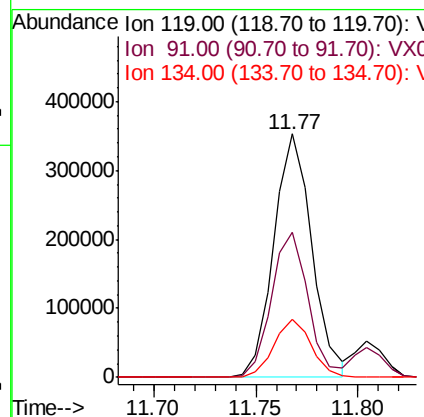
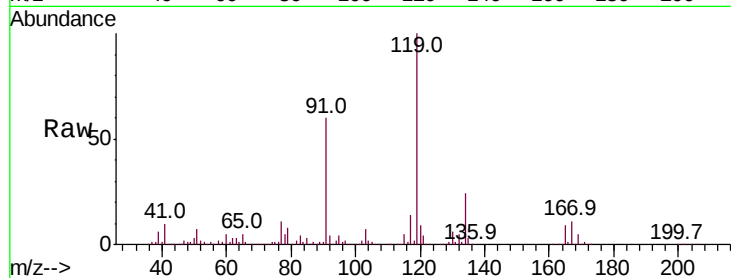
#83
tert-Butylbenzene
Concen: 49.285 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.6	28.6	85.8
134	23.4	11.6	34.8

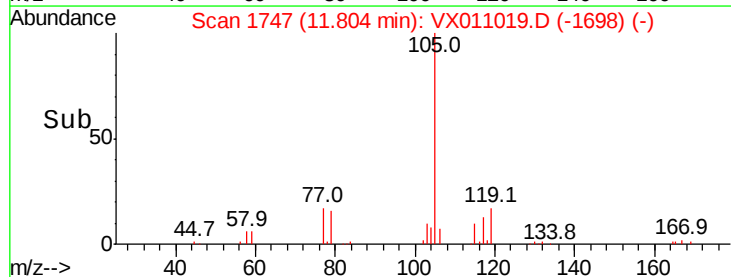
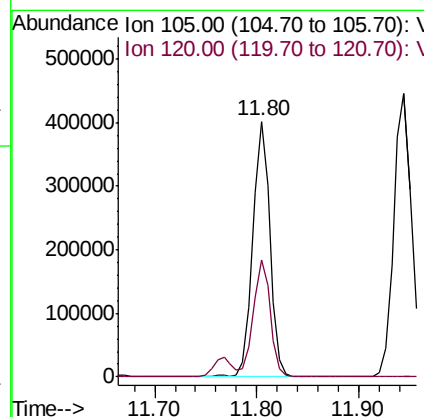
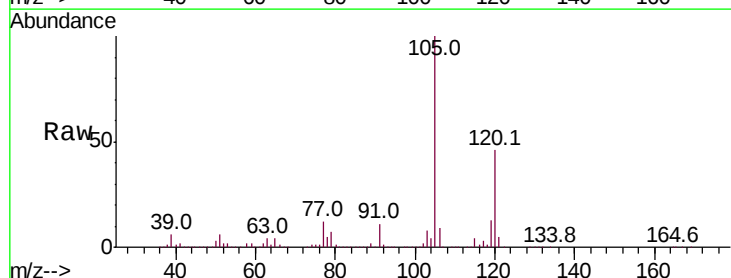
Manual Integrations
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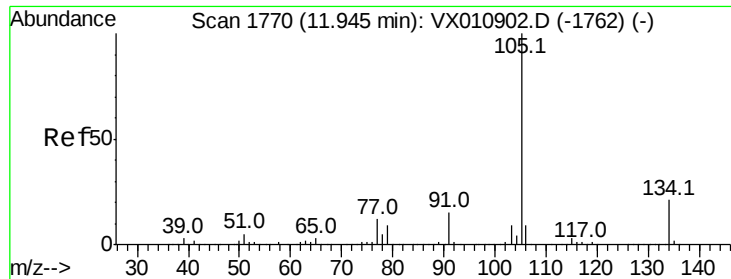
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#84
1,2,4-Trimethylbenzene
Concen: 49.254 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.5





#85

sec-Butylbenzene

Concen: 49.581 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 542569

Ion Ratio Lower Upper

105 100

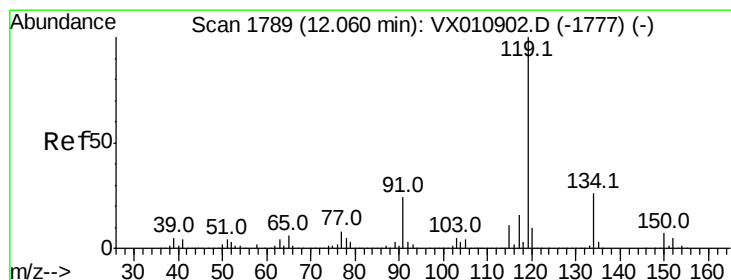
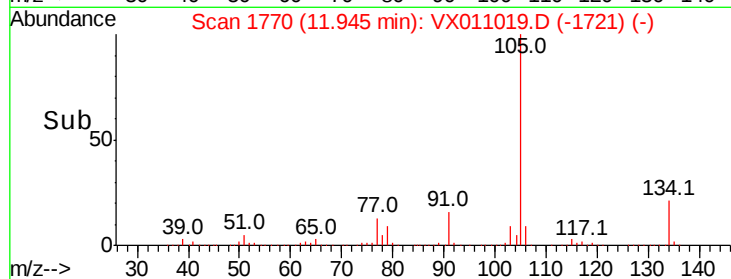
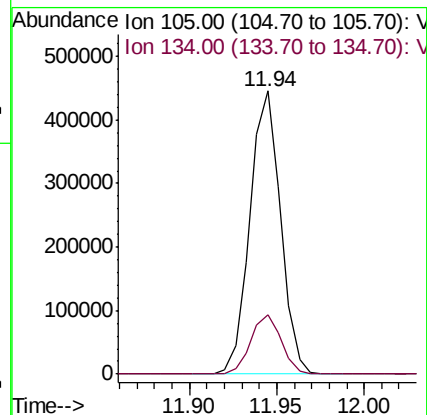
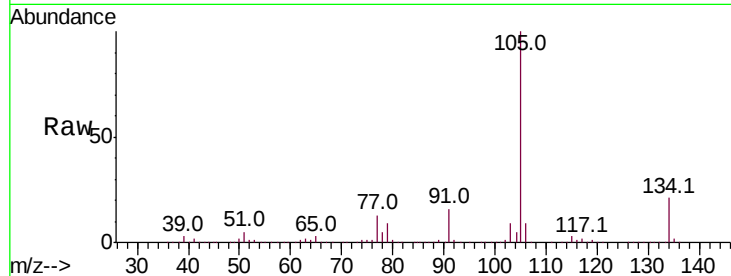
134 20.8 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.700 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

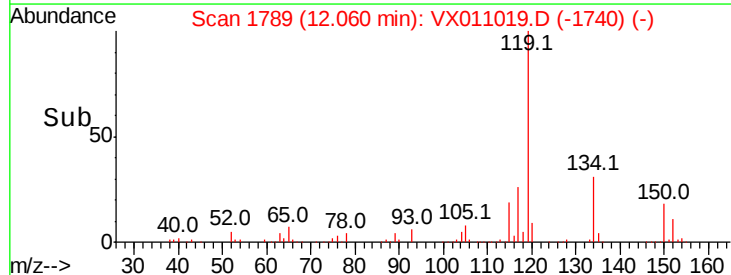
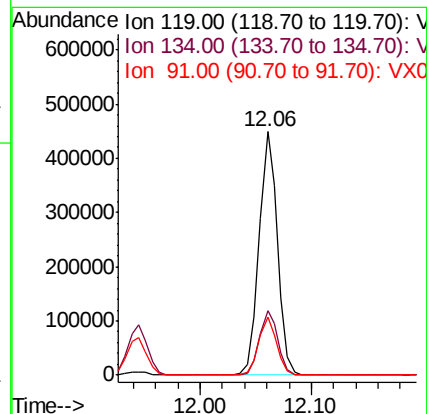
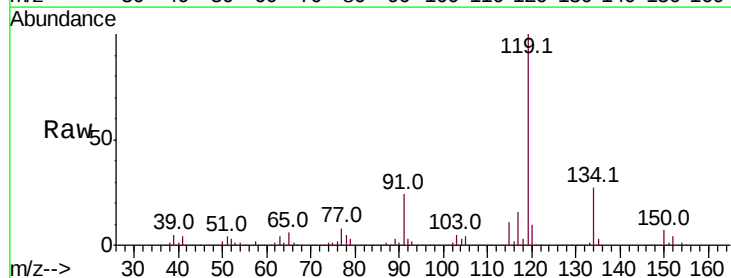
Tgt Ion:119 Resp: 512924

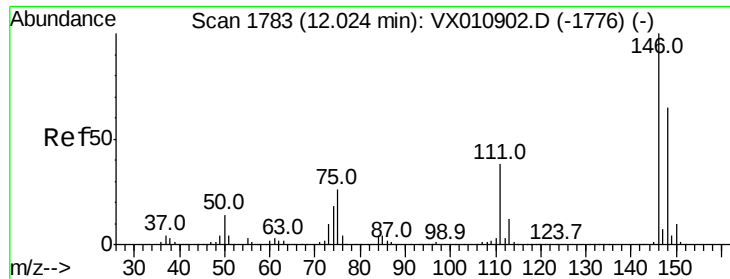
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 23.5 11.8 35.4





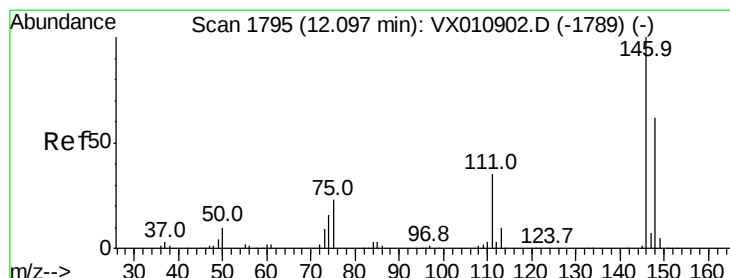
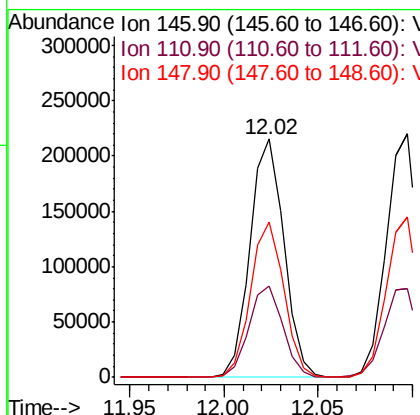
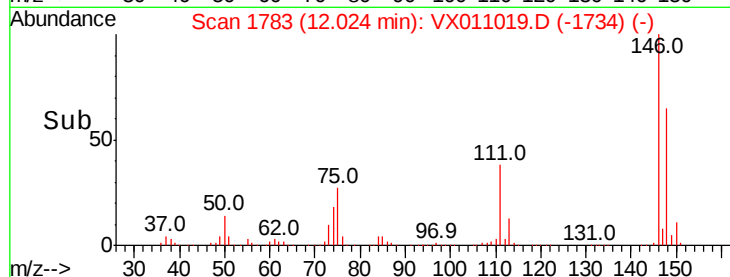
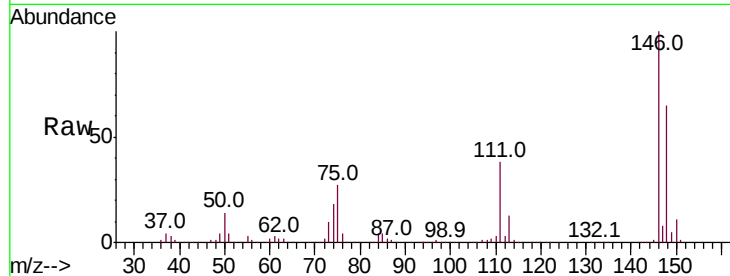
#87
 1,3-Dichlorobenzene
 Concen: 49.381 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.9
148	64.3	32.2	96.6

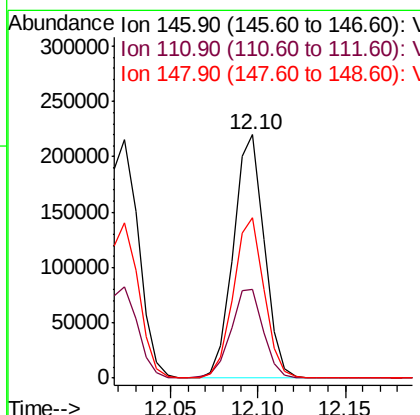
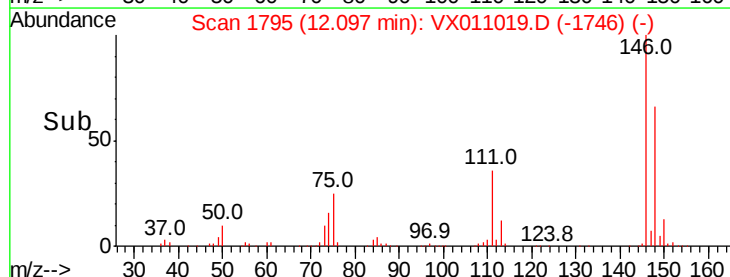
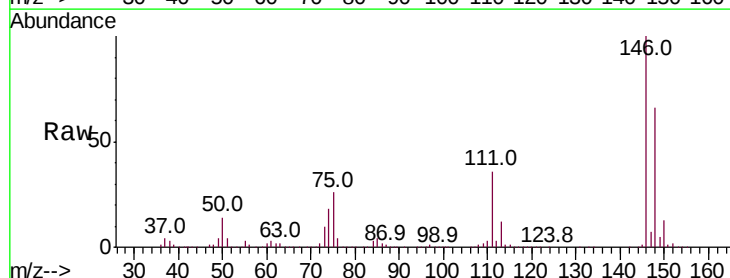
Manual Integrations
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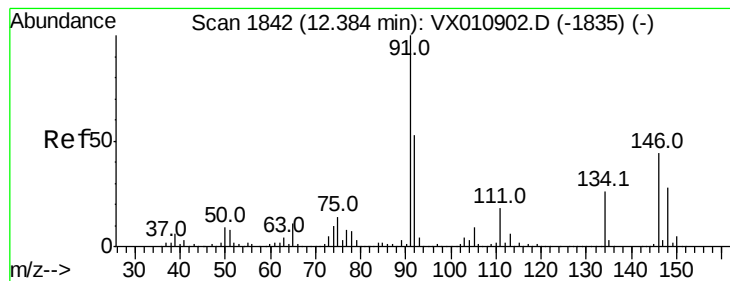
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#88
 1,4-Dichlorobenzene
 Concen: 48.209 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	65.4	31.6	94.7





#89

n-Butylbenzene

Concen: 51.583 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Instrument :

MSVOA_X

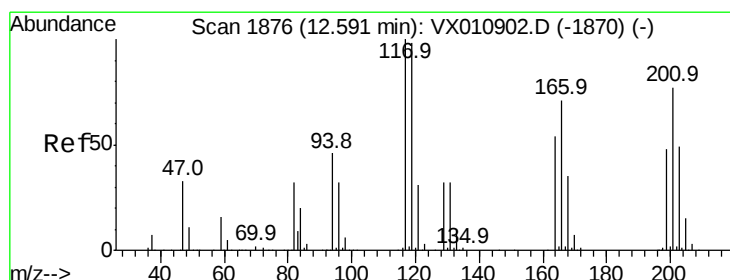
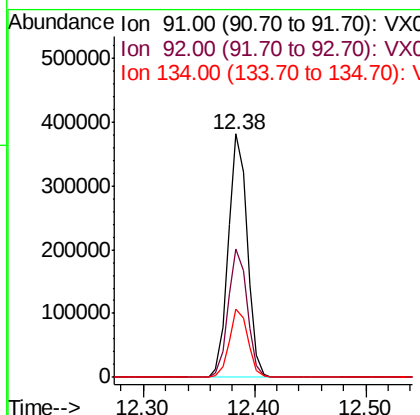
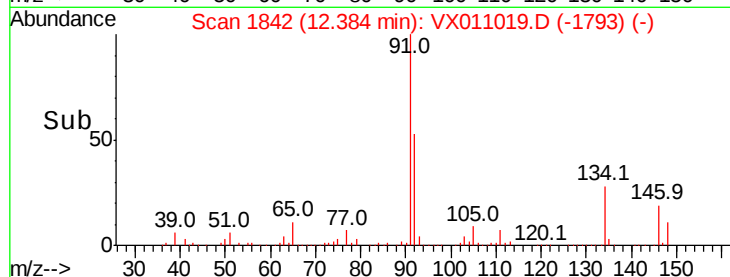
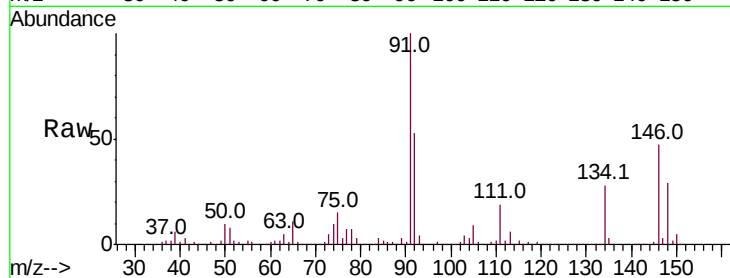
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	446459
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.2	78.5
134	27.7	13.8	41.3

Manual Integrations
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#90

Hexachloroethane

Concen: 53.391 ug/l

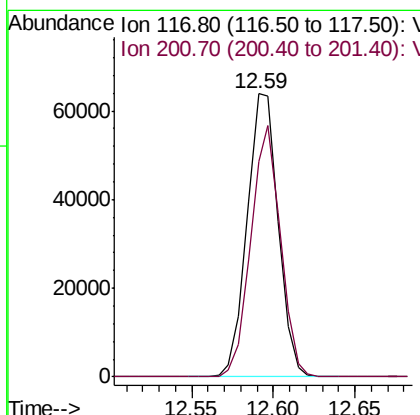
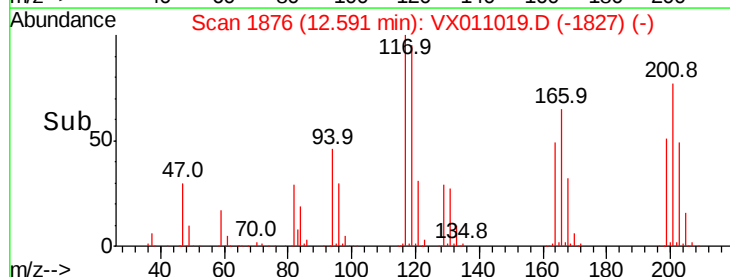
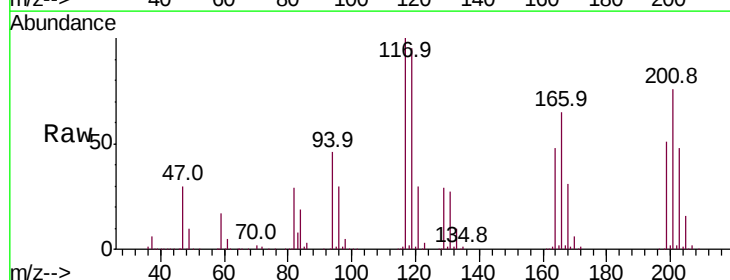
RT: 12.59 min Scan# 1876

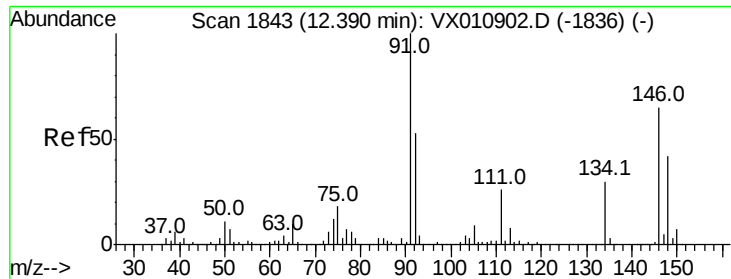
Delta R.T. -0.00 min

Lab File: VX011019.D

Acq: 22 Jul 2019 10:21

Tgt Ion:	117	Resp:	85195
Ion	Ratio	Lower	Upper
117	100		
201	84.4	43.3	129.8





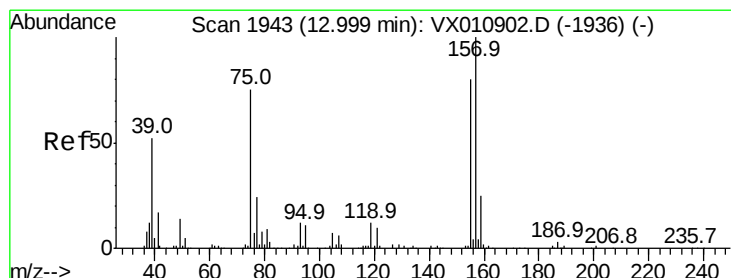
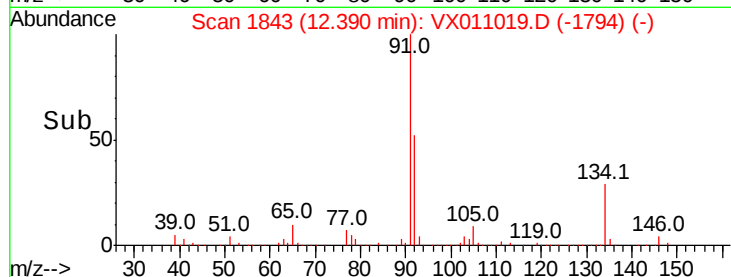
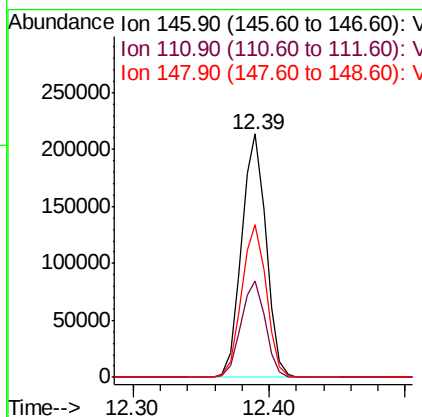
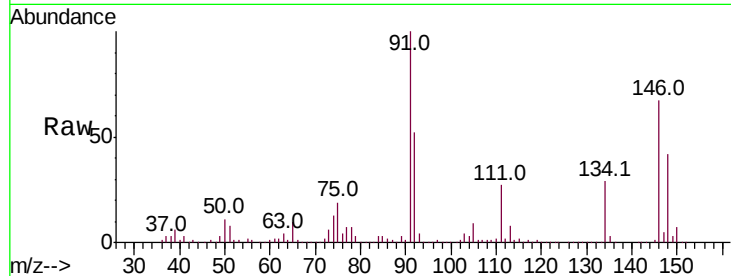
#91
 1,2-Dichlorobenzene
 Concen: 49.593 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.7
148	63.2	32.0	96.2

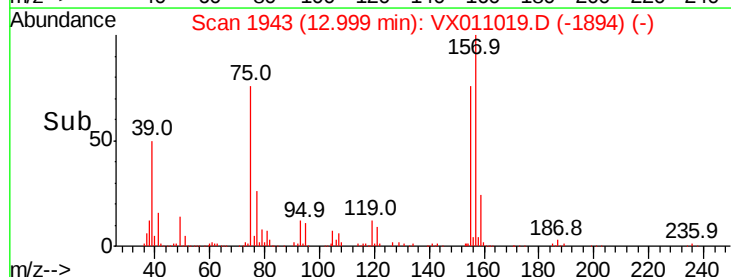
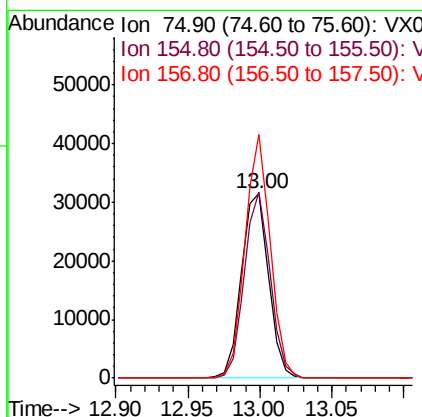
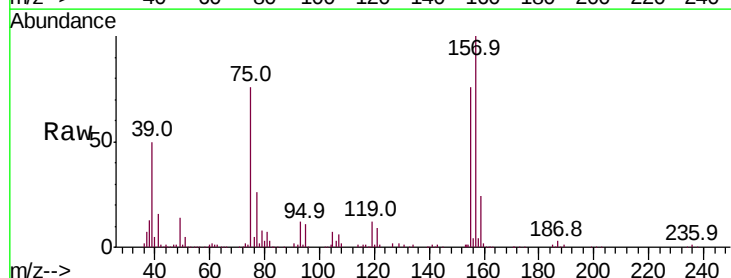
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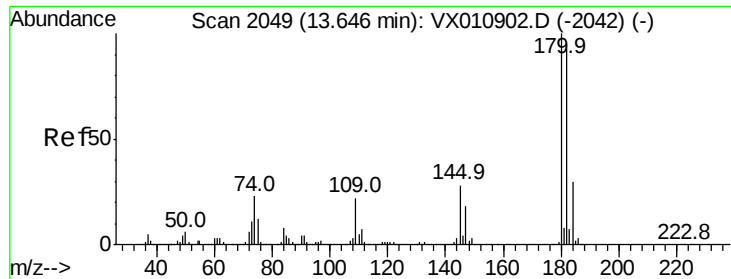
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.967 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	48.7	146.1
157	121.4	62.5	187.6





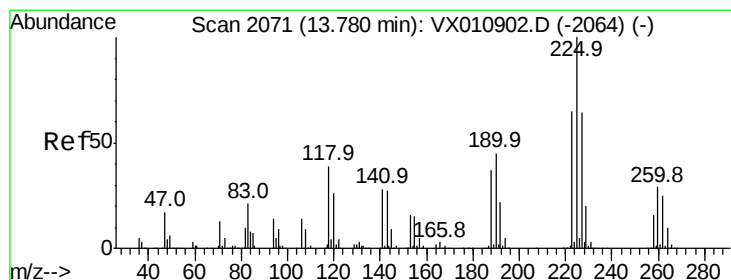
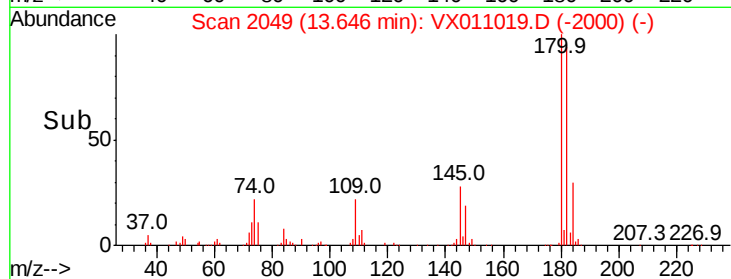
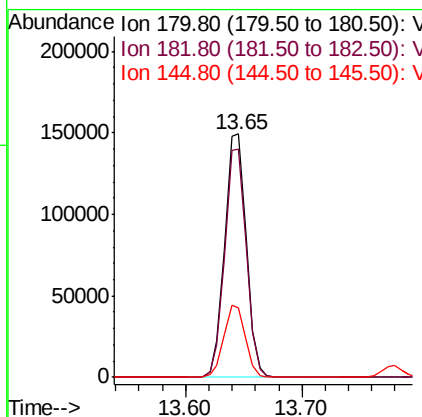
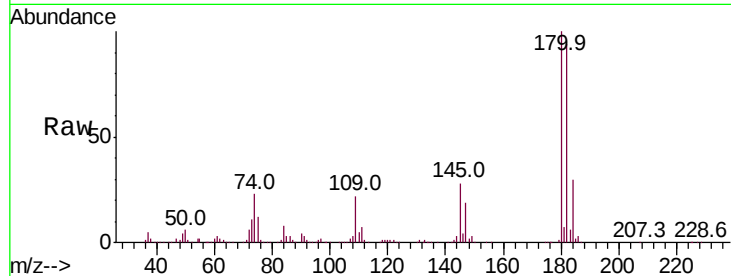
#93
 1,2,4-Trichlorobenzene
 Concen: 52.454 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	191895		
182	93.7	47.1	141.3	
145	29.5	14.8	44.4	

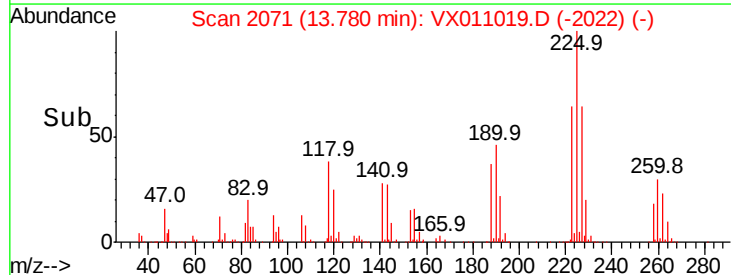
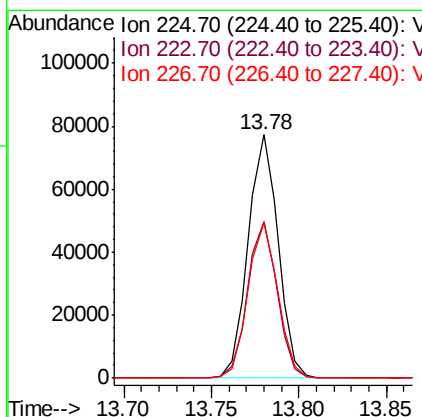
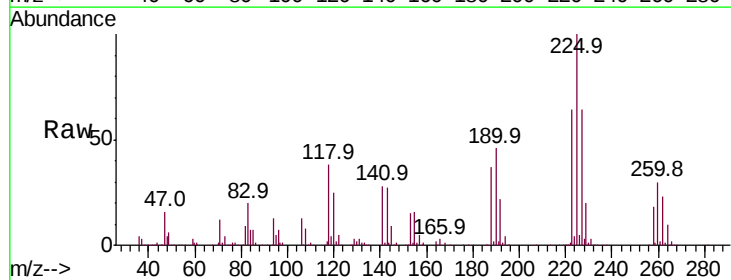
Manual Integrations
 APPROVED

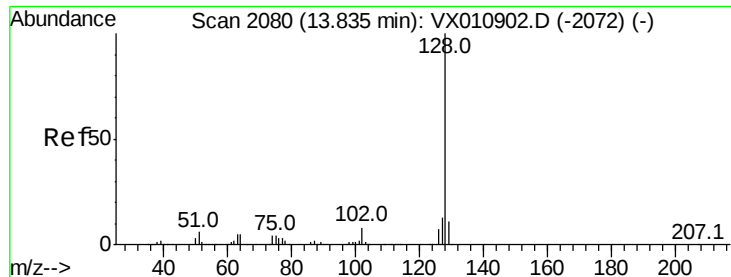
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#94
 Hexachlorobutadiene
 Concen: 51.086 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011019.D
 Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92614		
223	63.1	31.9	95.9	
227	63.3	32.5	97.4	





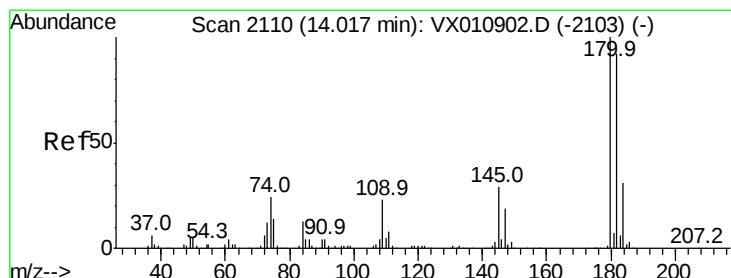
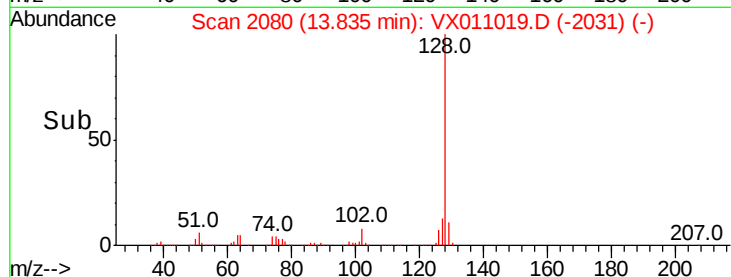
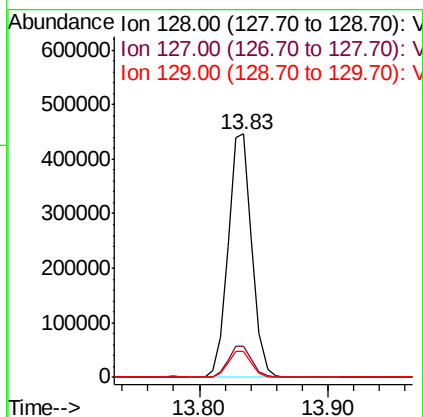
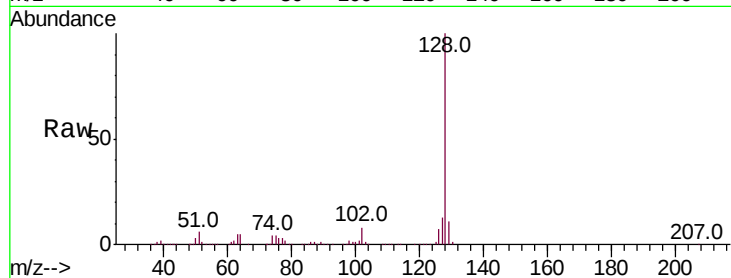
#95
Naphthalene
Concen: 53.054 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	573135		
127	13.0		10.4	15.6
129	10.8		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.799 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011019.D
Acq: 22 Jul 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188551		
182	95.5		47.4	142.3
145	31.9		15.1	45.3

