

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072519\
 Data File : VX011077.D
 Acq On : 25 Jul 2019 16:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 9:49:36 AM

Quant Time: Jul 26 02:24:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	206329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	281348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	155931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	105197	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
35) Dibromofluoromethane	5.49	113	96232	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	8.71	98	354899	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	11.13	95	139497	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107085	48.687	ug/l	99
3) Chloromethane	1.32	50	90662	47.782	ug/l	99
4) Vinyl Chloride	1.41	62	96113	49.662	ug/l	98
5) Bromomethane	1.64	94	51645	47.354	ug/l	96
6) Chloroethane	1.71	64	61141	49.713	ug/l	97
7) Trichlorofluoromethane	1.92	101	169371	51.700	ug/l	97
8) Diethyl Ether	2.19	74	57178	50.656	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	95032	50.805	ug/l	97
10) Methyl Iodide	2.51	142	122513	49.910	ug/l	100
11) Tert butyl alcohol	3.04	59	119312	233.395	ug/l	99
12) 1,1-Dichloroethene	2.37	96	85163	46.339	ug/l	94
13) Acrolein	2.29	56	59707	202.154	ug/l	98
14) Allyl chloride	2.73	41	136088	50.979	ug/l	99
15) Acrylonitrile	3.14	53	254276	246.158	ug/l	100
16) Acetone	2.44	43	235082	237.126	ug/l	99
17) Carbon Disulfide	2.57	76	210793	44.714	ug/l	100
18) Methyl Acetate	2.77	43	116329	51.532	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	304451	51.459	ug/l	99
20) Methylene Chloride	2.85	84	103767	49.391	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	95634	49.043	ug/l	99
22) Diisopropyl ether	3.85	45	287271	51.023	ug/l	98
23) Vinyl Acetate	3.81	43	1243881	260.749	ug/l	99
24) 1,1-Dichloroethane	3.69	63	164438	50.291	ug/l	99
25) 2-Butanone	4.67	43	356866	250.764	ug/l	98
26) 2,2-Dichloropropane	4.58	77	140460	52.318	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	111737	49.511	ug/l	100
28) Bromochloromethane	5.01	49	72329	46.942	ug/l	99
29) Tetrahydrofuran	5.12	42	221744	245.984	ug/l	99
30) Chloroform	5.20	83	180269	51.007	ug/l	98
31) Cyclohexane	5.57	56	147592	49.522	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	157821	51.615	ug/l	99
36) 1,1-Dichloropropene	5.79	75	129461	51.843	ug/l	99
37) Ethyl Acetate	4.83	43	128807	50.374	ug/l	98
38) Carbon Tetrachloride	5.77	117	140112	53.845	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	167413	51.697	ug/l	99
40) Benzene	6.13	78	391332	51.159	ug/l	98
41) Methacrylonitrile	5.03	41	73217	50.440	ug/l	96
42) 1,2-Dichloroethane	6.18	62	137386	51.656	ug/l	99
43) Isopropyl Acetate	6.43	43	215272	51.200	ug/l	99
44) Trichloroethene	7.21	130	115353	50.946	ug/l	92
45) 1,2-Dichloropropane	7.51	63	100238	51.486	ug/l	99
46) Dibromomethane	7.66	93	73225	52.635	ug/l	99
47) Bromodichloromethane	7.89	83	135854	54.859	ug/l	98
48) Methyl methacrylate	7.76	41	105572	51.543	ug/l	99
49) 1,4-Dioxane	7.73	88	57504	1003.670	ug/l	98
51) 4-Methyl-2-Pentanone	8.63	43	717802	263.363	ug/l	99
52) Toluene	8.78	92	258802	51.502	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	150625	56.567	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	160522	54.176	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	109047	52.704	ug/l	96
56) Ethyl methacrylate	9.17	69	164913	54.489	ug/l	99
57) 1,3-Dichloropropane	9.37	76	171817	52.347	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	375269	259.748	ug/l	100
59) 2-Hexanone	9.49	43	563561	266.590	ug/l	99
60) Dibromochloromethane	9.58	129	120160	50.438	ug/l	100
61) 1,2-Dibromoethane	9.67	107	116084	52.866	ug/l	99
64) Tetrachloroethene	9.34	164	113101	51.100	ug/l	98
65) Chlorobenzene	10.13	112	296046	51.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111444	54.873	ug/l	99
67) Ethyl Benzene	10.25	91	516910	52.553	ug/l	100
68) m/p-Xylenes	10.35	106	398118	105.518	ug/l	100
69) o-Xylene	10.69	106	191227	51.932	ug/l	99
70) Styrene	10.71	104	336879	54.881	ug/l	100
71) Bromoform	10.85	173	92136	49.834	ug/l	98
73) Isopropylbenzene	11.01	105	534307	50.711	ug/l	100
74) N-amyl acetate	10.90	43	206225	51.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	171403	49.710	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	145350m	51.655	ug/l	
77) Bromobenzene	11.25	156	144649	49.771	ug/l	100
78) n-propylbenzene	11.36	91	603191	51.813	ug/l	100
79) 2-Chlorotoluene	11.42	91	357262	51.086	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	455280	51.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	51571	46.718	ug/l	96
82) 4-Chlorotoluene	11.51	91	421777	51.818	ug/l	99
83) tert-Butylbenzene	11.77	119	453263	52.414	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	463252	52.205	ug/l	100
85) sec-Butylbenzene	11.94	105	544367	53.722	ug/l	100
86) p-Isopropyltoluene	12.06	119	507647	54.190	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	263525	52.250	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	263692	50.978	ug/l	99
89) n-Butylbenzene	12.38	91	446491	55.710	ug/l	100
90) Hexachloroethane	12.59	117	81874	55.411	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	258063	51.628	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37012	51.352	ug/l	98

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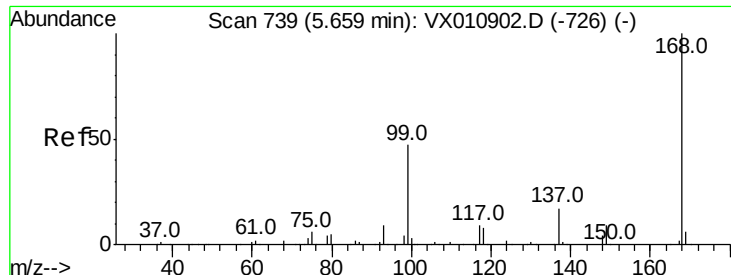
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	184759	54.540	ug/l	98
94) Hexachlorobutadiene	13.78	225	90634	53.990	ug/l	98
95) Naphthalene	13.83	128	521308	52.114	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	181332	53.798	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 206329

Ion Ratio Lower Upper

168 100

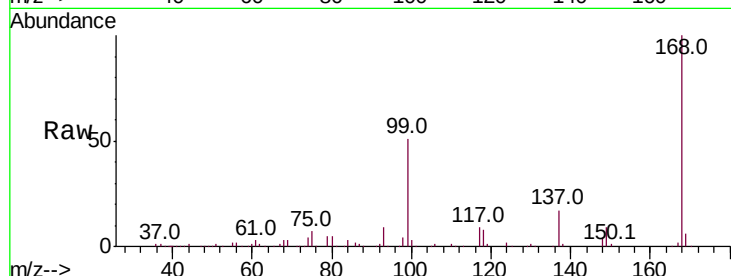
99 51.3 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

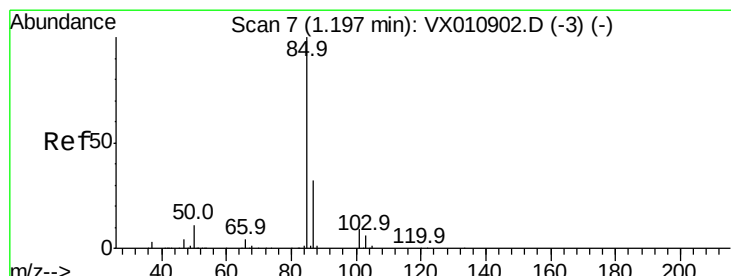
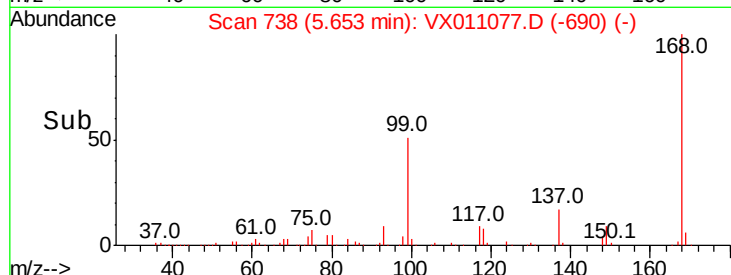
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.687 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011077.D

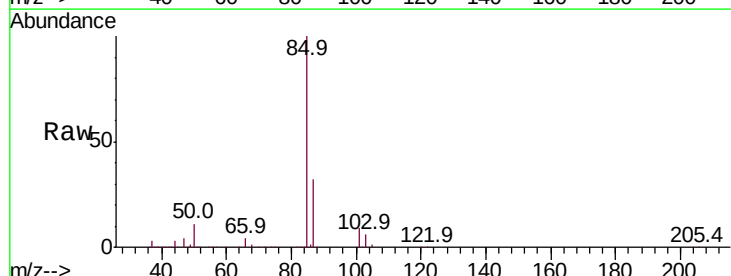
Acq: 25 Jul 2019 16:33

Tgt Ion: 85 Resp: 107085

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

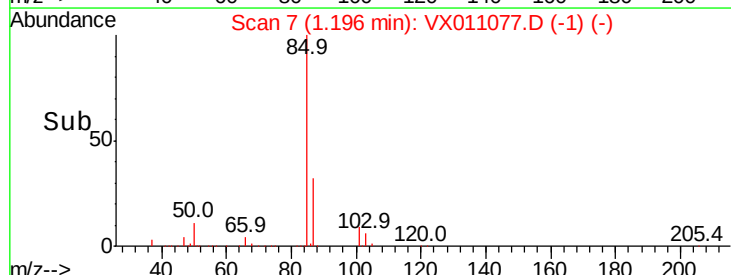
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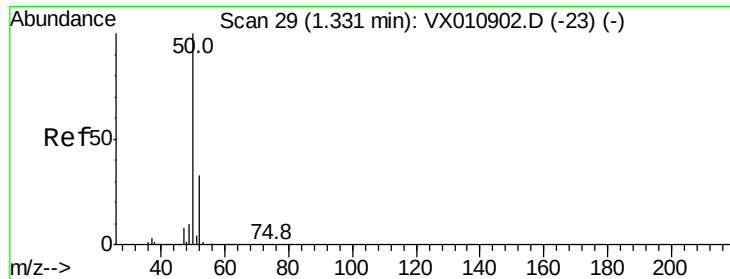
20000

0

1.10 1.20 1.30

Time-->





#3

Chloromethane

Concen: 47.782 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 90662

Ion Ratio Lower Upper

50 100

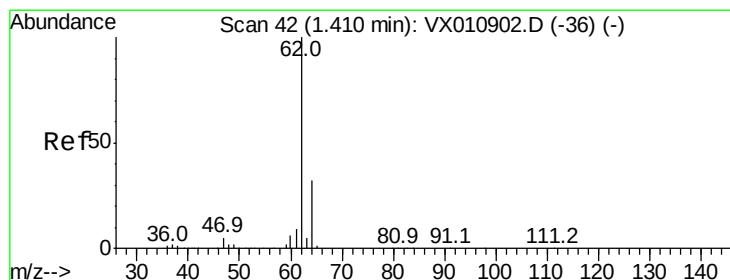
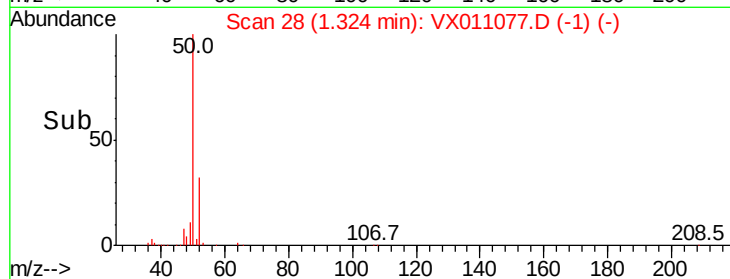
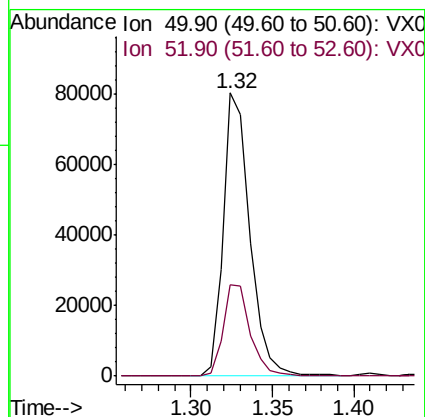
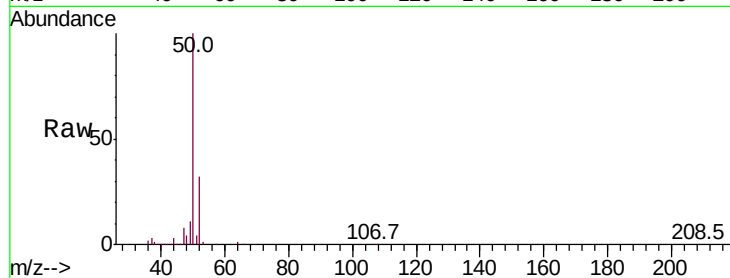
52 32.5 26.4 39.6

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#4

Vinyl Chloride

Concen: 49.662 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011077.D

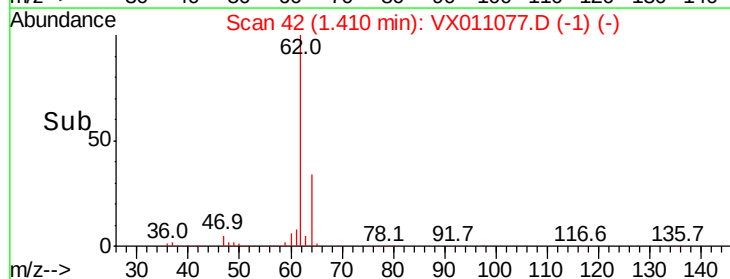
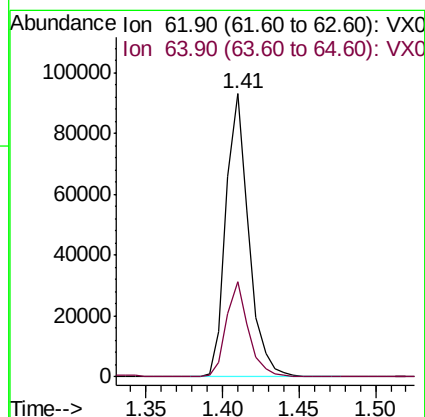
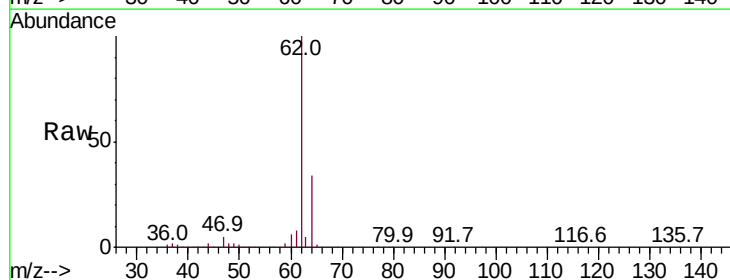
Acq: 25 Jul 2019 16:33

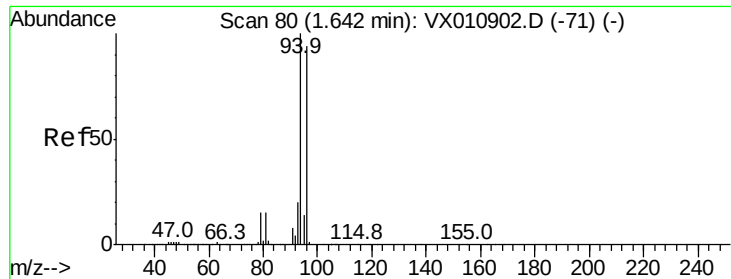
Tgt Ion: 62 Resp: 96113

Ion Ratio Lower Upper

62 100

64 33.4 25.7 38.5





#5

Bromomethane

Concen: 47.354 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 51645

Ion Ratio Lower Upper

94 100

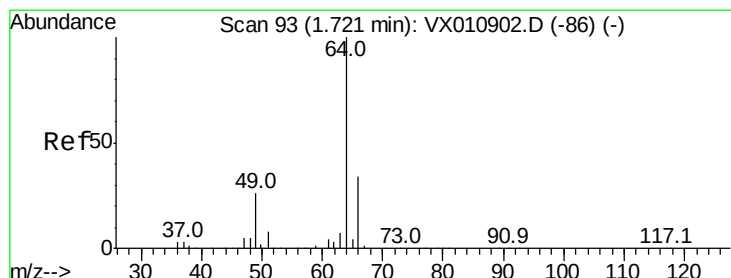
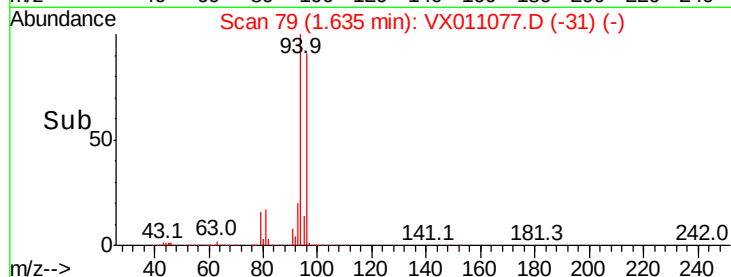
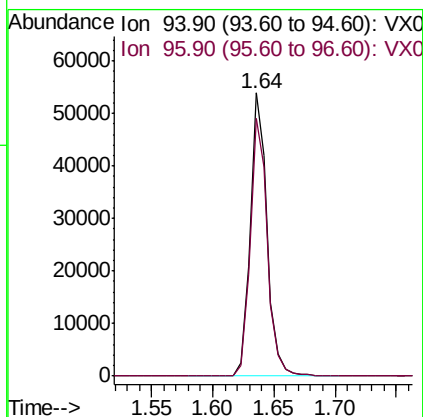
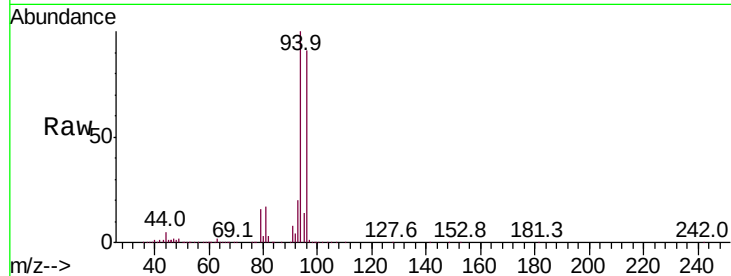
96 90.9 75.6 113.4

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#6

Chloroethane

Concen: 49.713 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011077.D

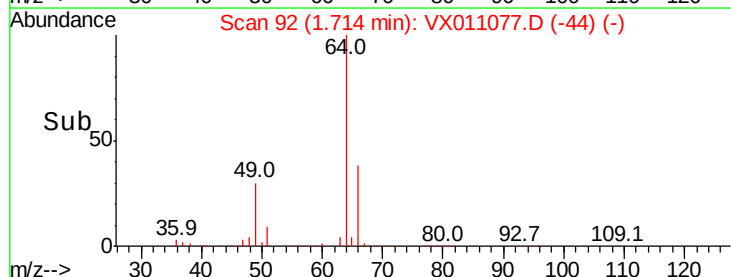
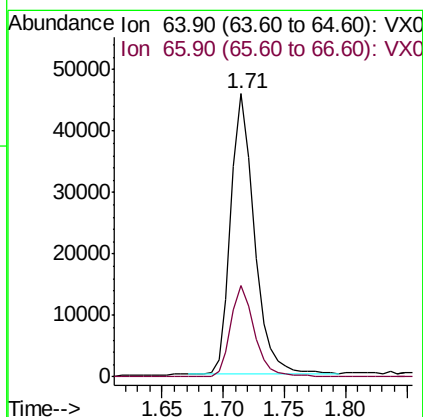
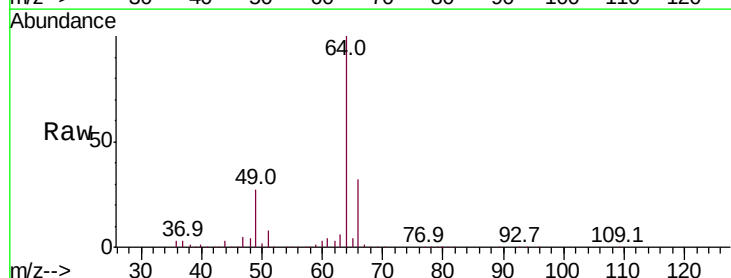
Acq: 25 Jul 2019 16:33

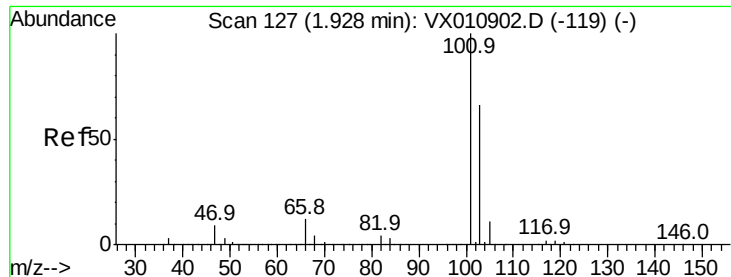
Tgt Ion: 64 Resp: 61141

Ion Ratio Lower Upper

64 100

66 32.3 27.0 40.6





#7

Trichlorofluoromethane

Concen: 51.700 ug/l

RT: 1.92 min Scan# 126

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 169371

Ion Ratio Lower Upper

101 100

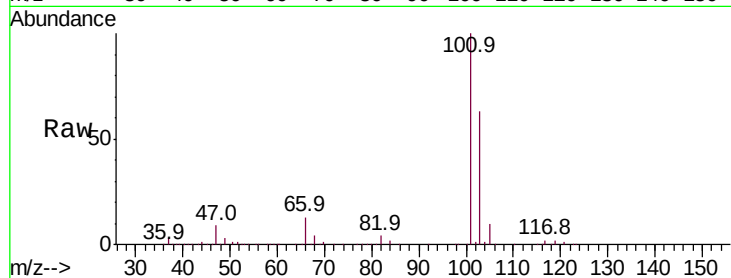
103 63.2 52.6 78.8

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.92

120000

100000

80000

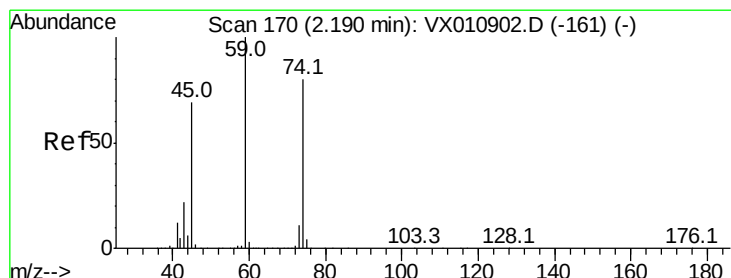
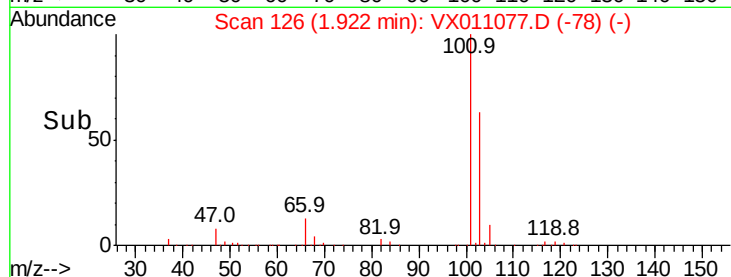
60000

40000

20000

0

Time--> 1.80 1.90 2.00 2.10



#8

Diethyl Ether

Concen: 50.656 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX011077.D

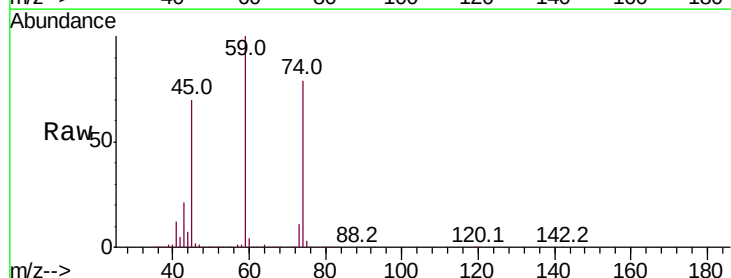
Acq: 25 Jul 2019 16:33

Tgt Ion: 74 Resp: 57178

Ion Ratio Lower Upper

74 100

45 88.9 45.5 136.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.19

40000

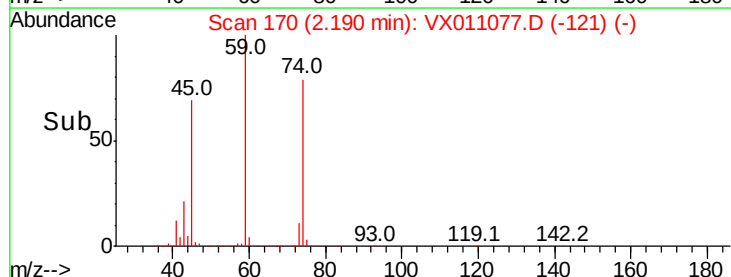
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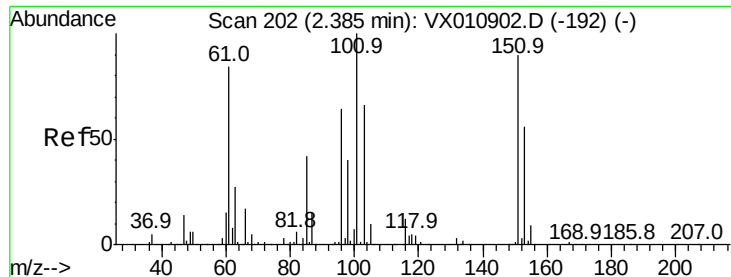
20000

10000

0

Time--> 2.10 2.15 2.20 2.25 2.30





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.805 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

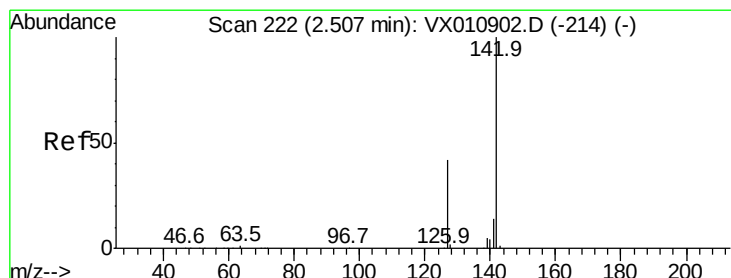
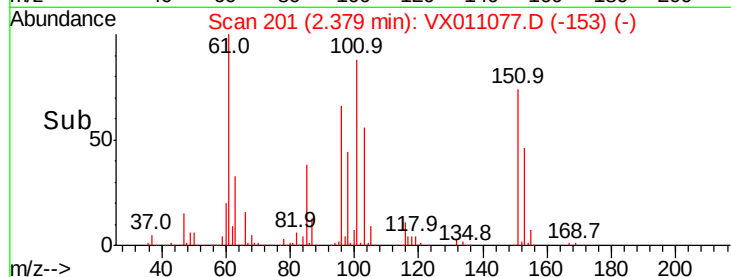
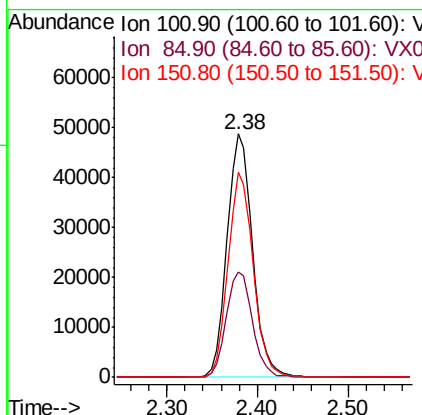
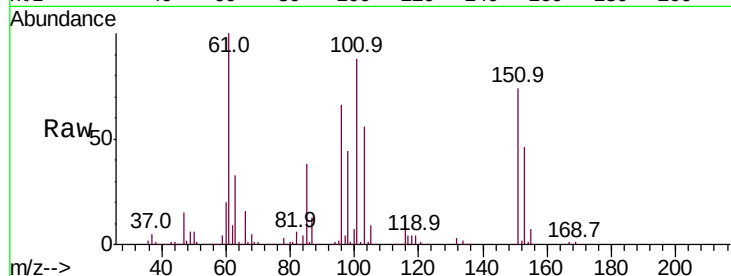
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95032
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.6	52.0
151	83.5	69.6	104.4

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#10

Methyl Iodide

Concen: 49.910 ug/l

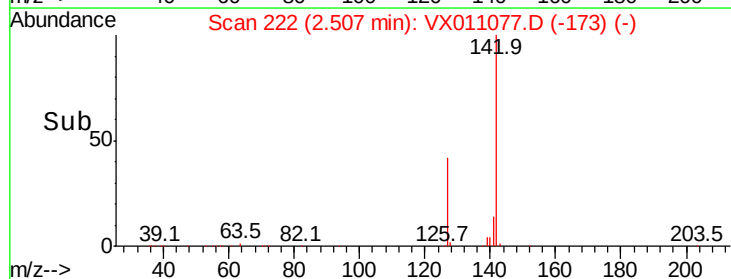
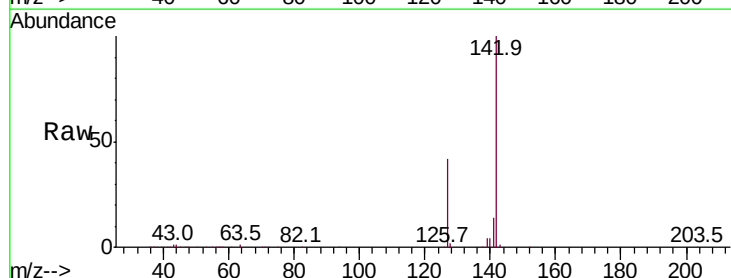
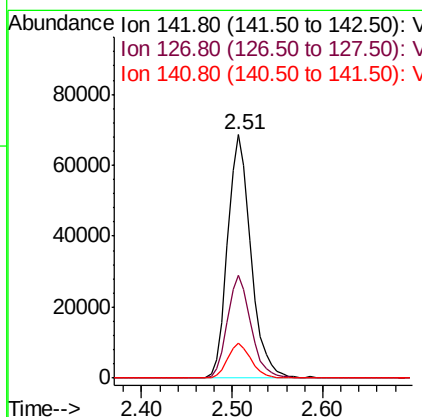
RT: 2.51 min Scan# 222

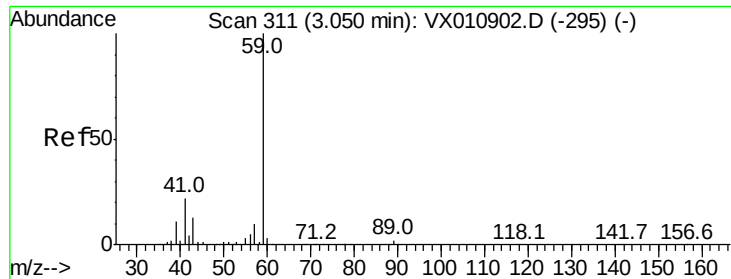
Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	142	Resp:	122513
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.4
141	14.5	11.7	17.5





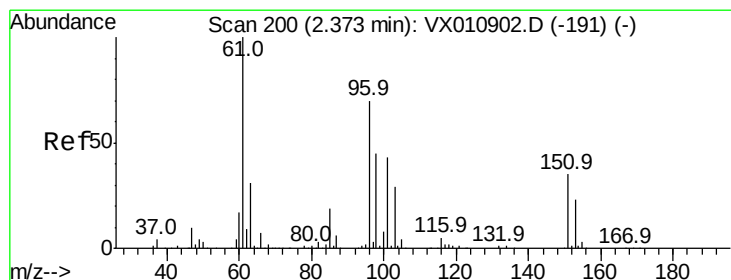
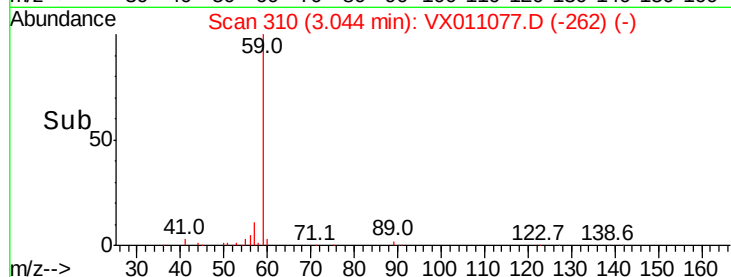
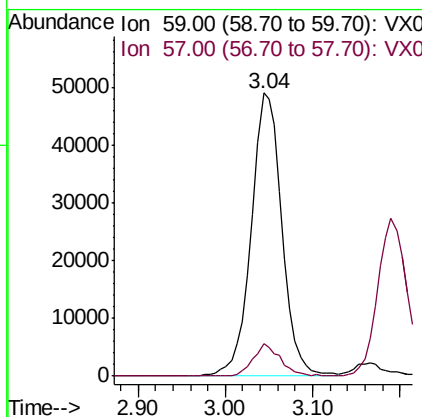
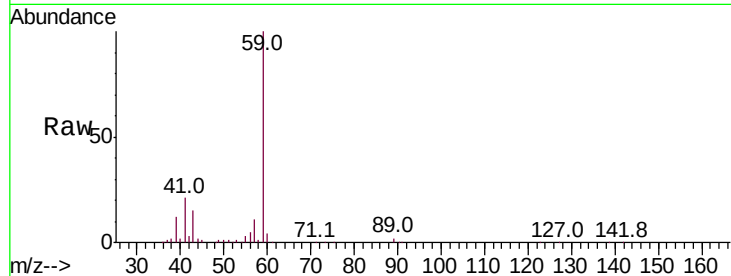
#11
Tert butyl alcohol
Concen: 233.395 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	119312
Ion Ratio	100	Lower	Upper
57	10.2	7.9	11.9

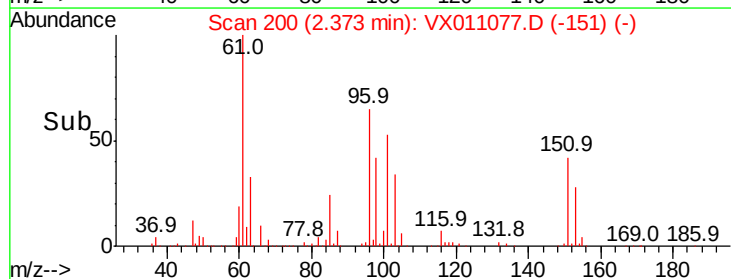
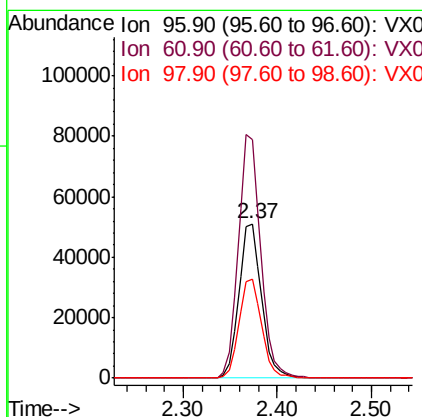
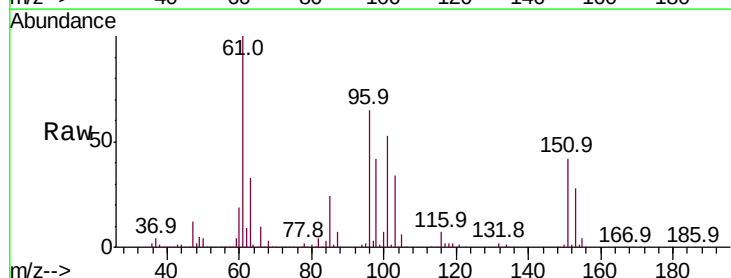
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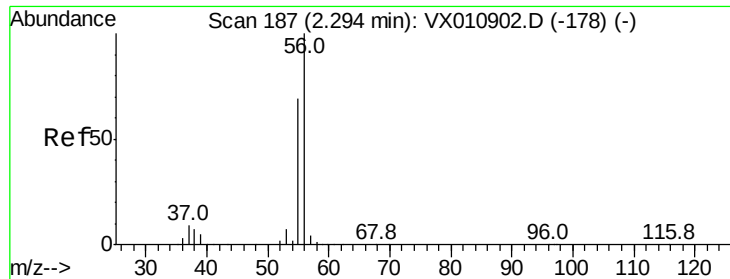
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.339 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	96	Resp	85163
Ion Ratio	100	Lower	Upper
61	154.7	115.0	172.4
98	64.4	52.2	78.2





#13

Acrolein

Concen: 202.154 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59707

Ion Ratio Lower Upper

56 100

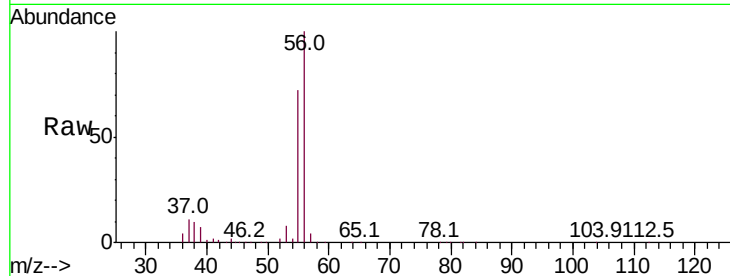
55 71.5 55.9 83.9

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

30000

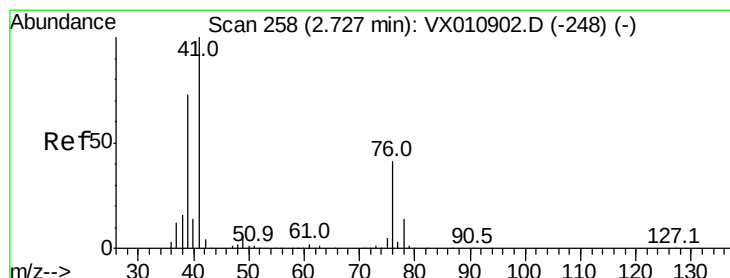
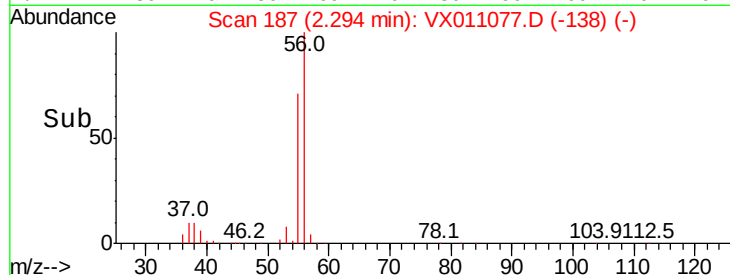
20000

10000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 50.979 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

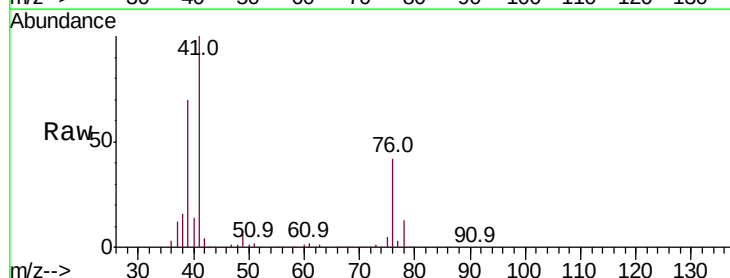
Tgt Ion: 41 Resp: 136088

Ion Ratio Lower Upper

41 100

39 67.0 53.6 80.4

76 37.9 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

80000

60000

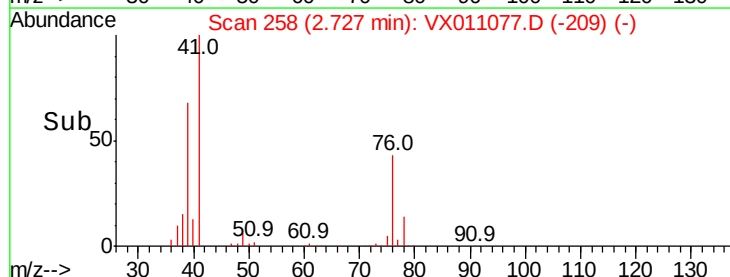
40000

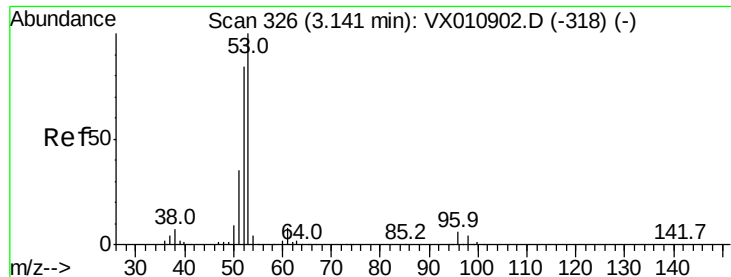
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 246.158 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

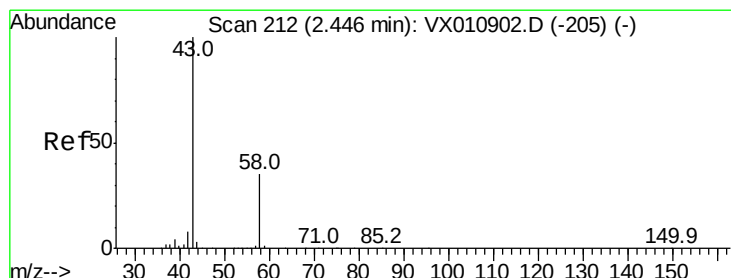
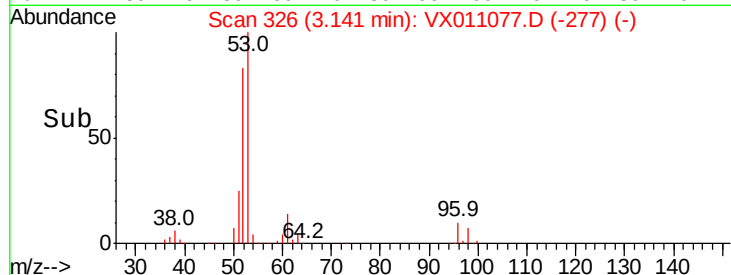
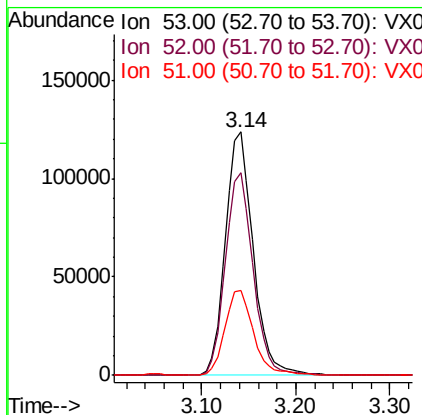
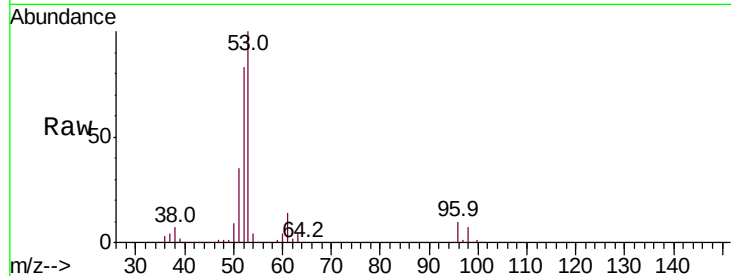
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	254276
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.5	99.7
51	35.9	28.2	42.4

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#16

Acetone

Concen: 237.126 ug/l

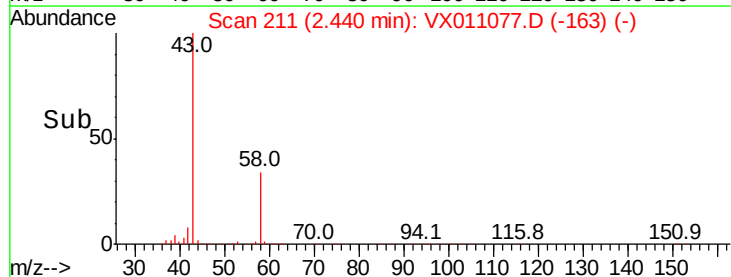
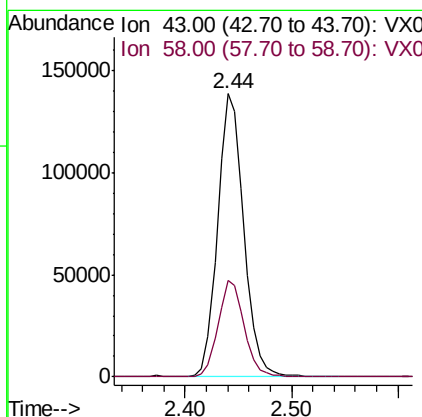
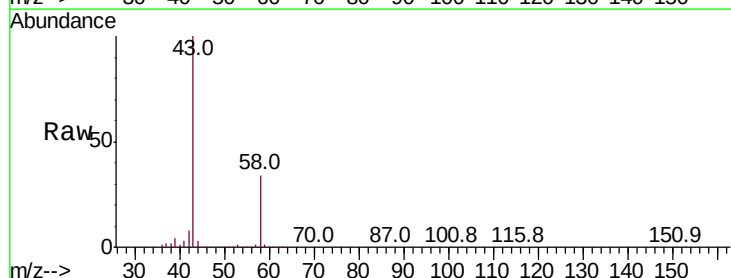
RT: 2.44 min Scan# 211

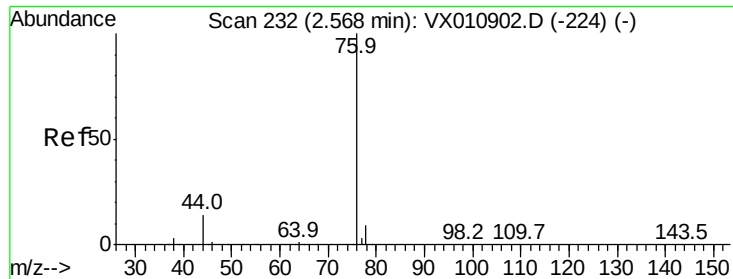
Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	43	Resp:	235082
Ion Ratio		Lower	Upper
43	100		
58	33.8	27.7	41.5





#17

Carbon Disulfide

Concen: 44.714 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 210793

Ion Ratio Lower Upper

76 100

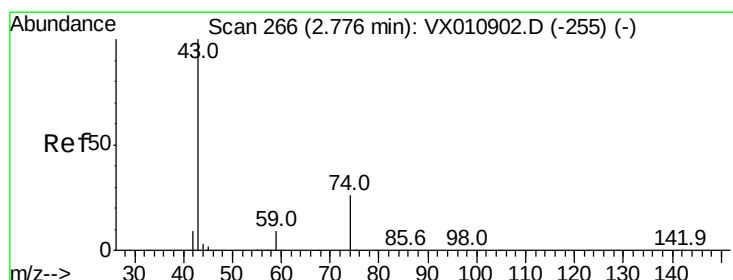
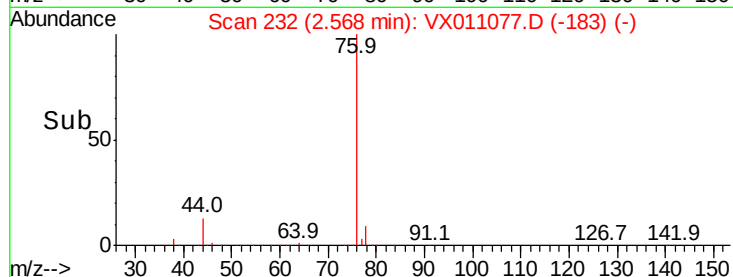
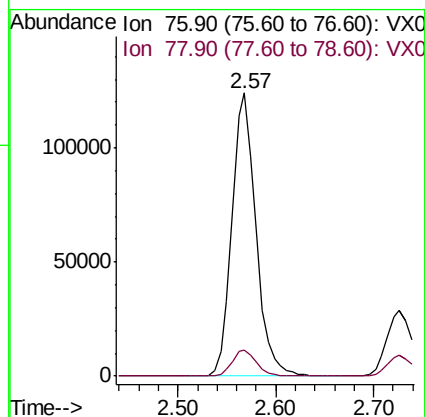
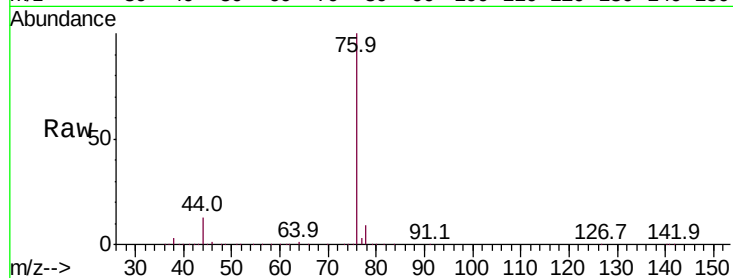
78 9.0 7.4 11.0

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#18

Methyl Acetate

Concen: 51.532 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX011077.D

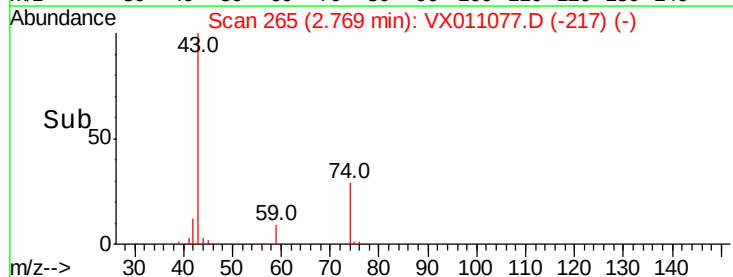
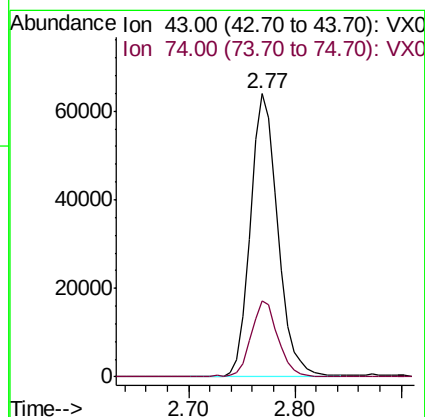
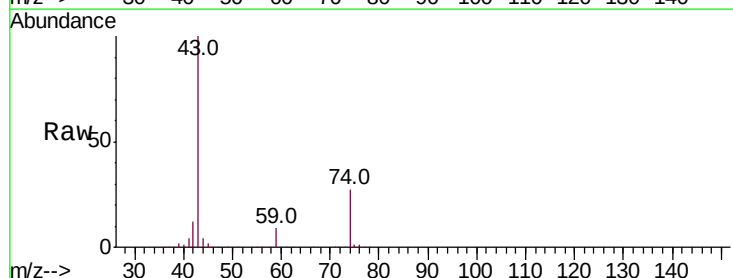
Acq: 25 Jul 2019 16:33

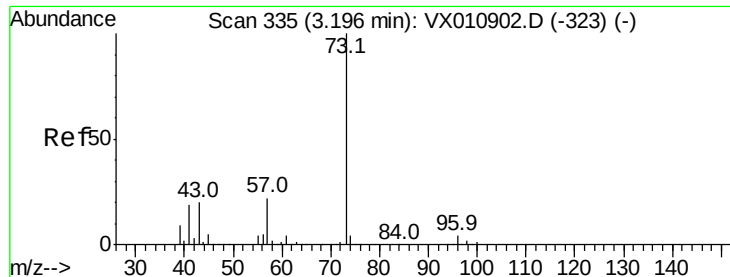
Tgt Ion: 43 Resp: 116329

Ion Ratio Lower Upper

43 100

74 26.6 21.5 32.3





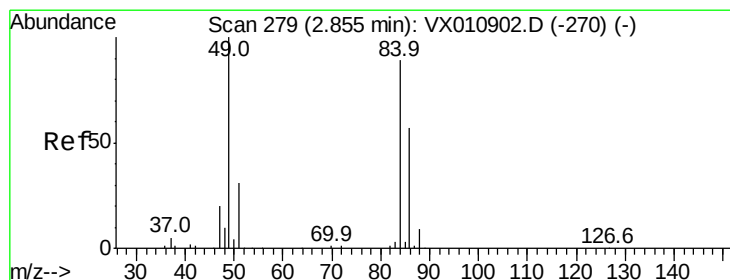
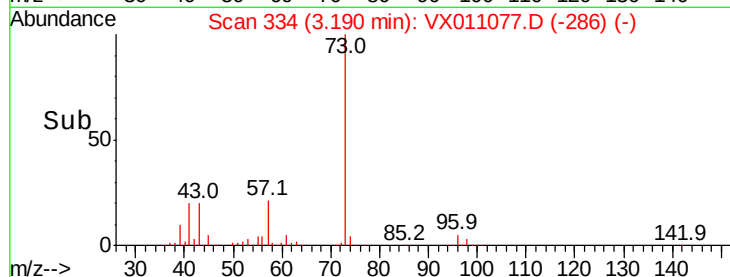
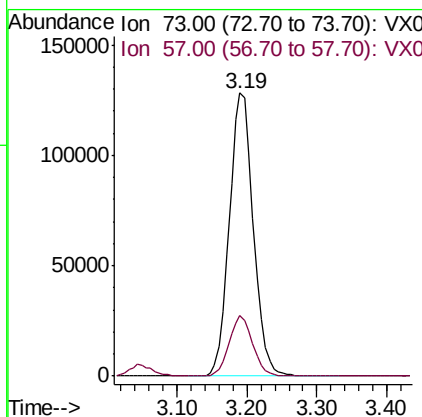
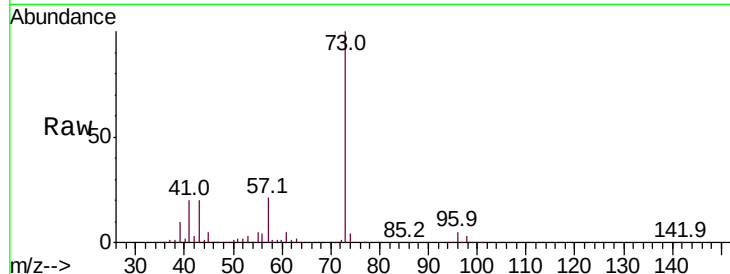
#19
Methyl tert-butyl Ether
Concen: 51.459 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.3	25.9

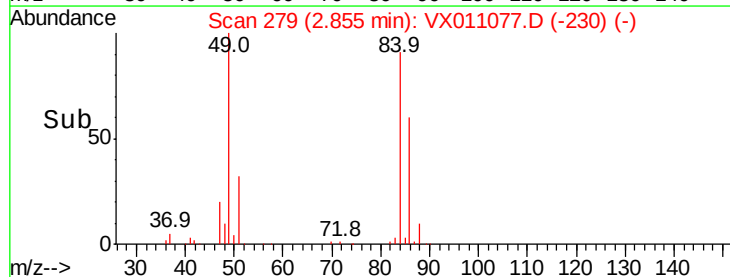
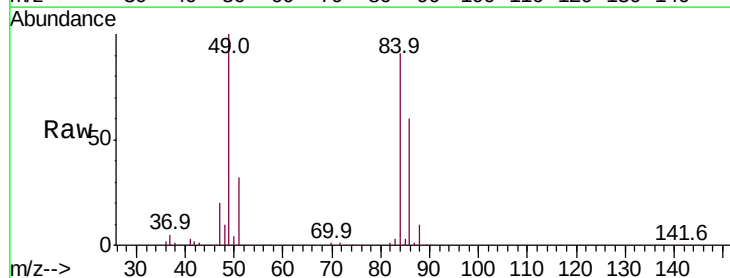
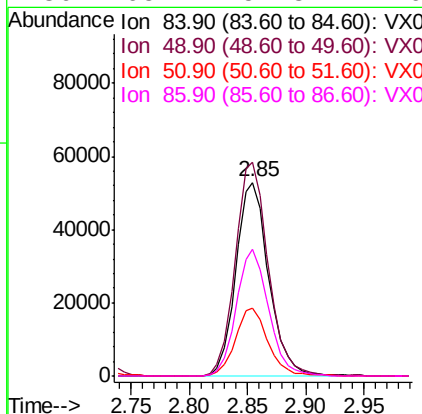
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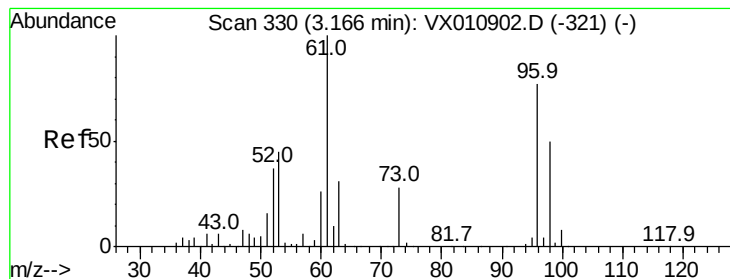
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#20
Methylene Chloride
Concen: 49.391 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.5	89.9	134.9
51	35.2	27.8	41.6
86	65.7	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 49.043 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 95634

Ion Ratio Lower Upper

96 100

61 129.0 104.2 156.2

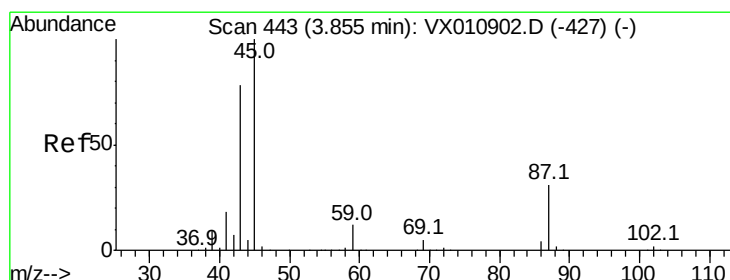
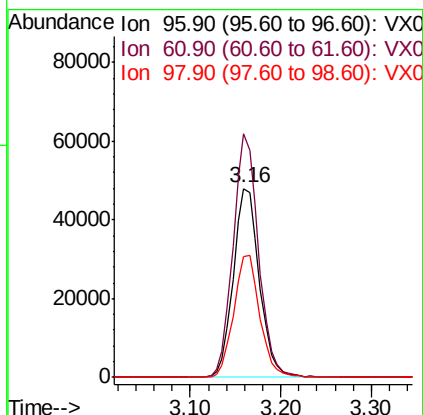
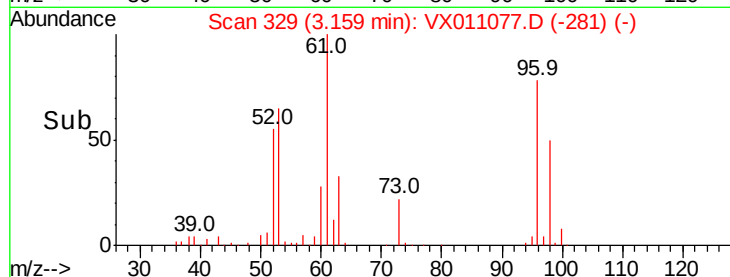
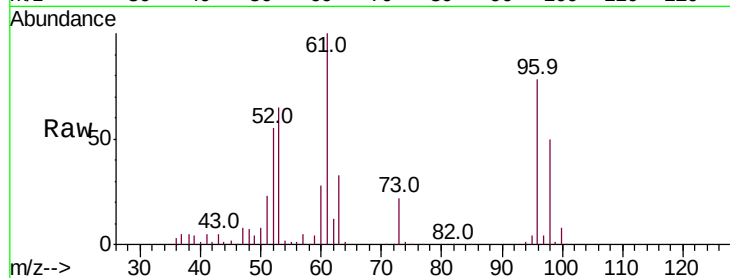
98 64.1 52.2 78.4

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#22

Diisopropyl ether

Concen: 51.023 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion: 45 Resp: 287271

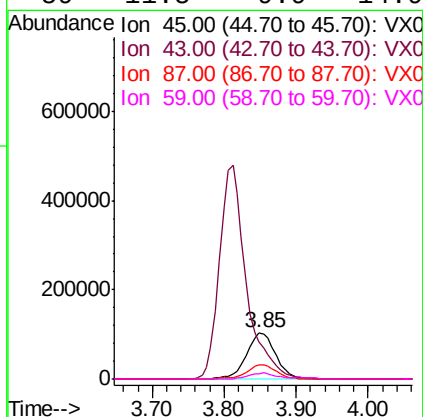
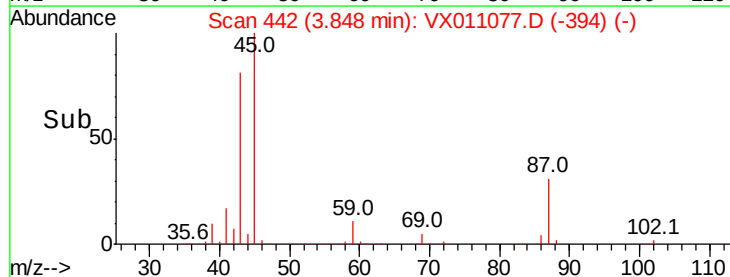
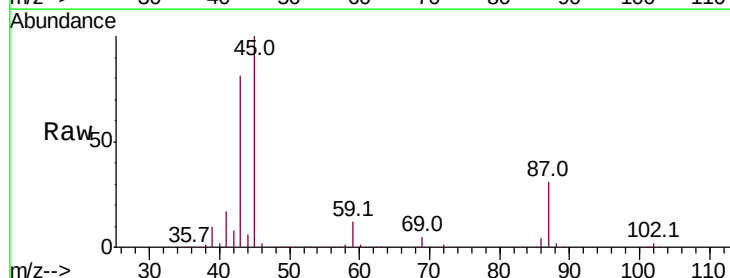
Ion Ratio Lower Upper

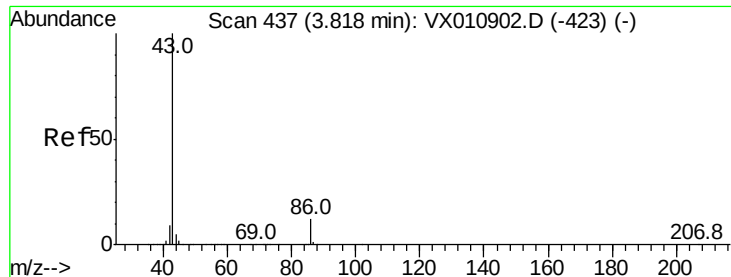
45 100

43 80.5 62.3 93.5

87 31.5 25.0 37.4

59 11.5 9.9 14.9





#23

Vinyl Acetate

Concen: 260.749 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1243881

Ion Ratio Lower Upper

43 100

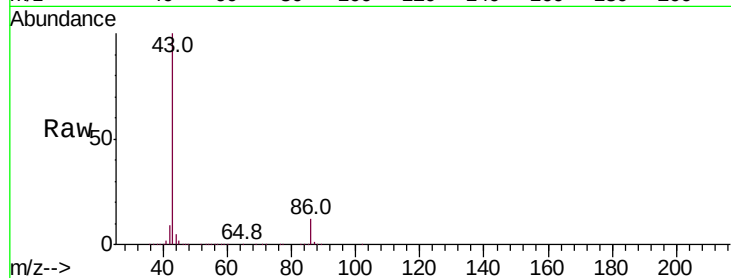
86 12.1 9.4 14.0

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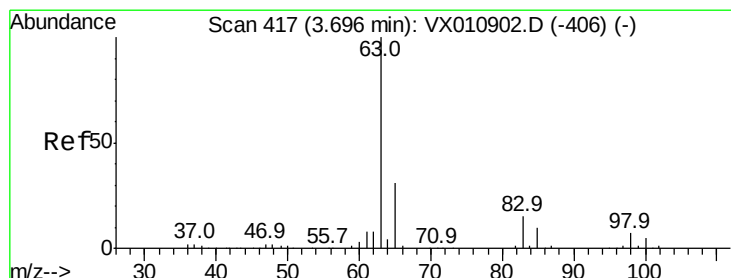
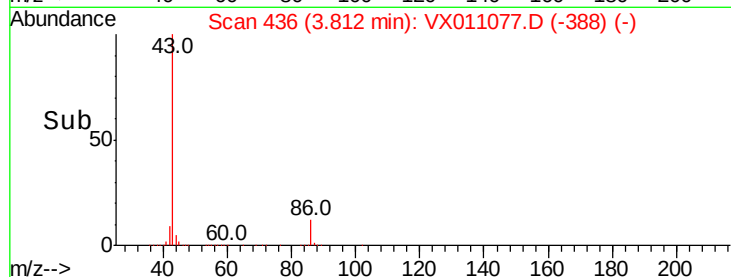
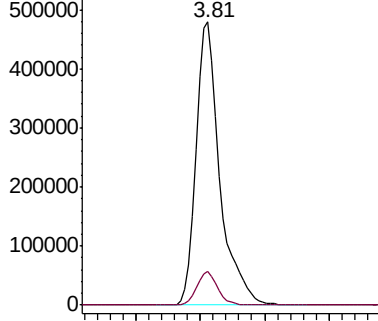
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.291 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

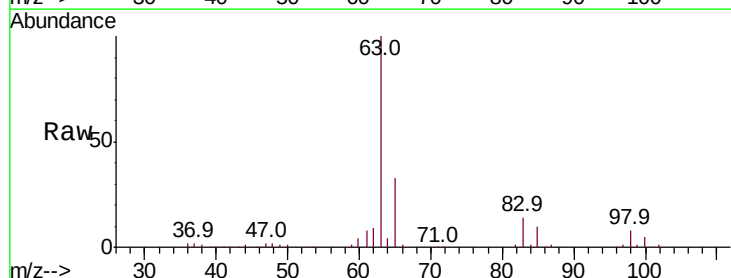
Tgt Ion: 63 Resp: 164438

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

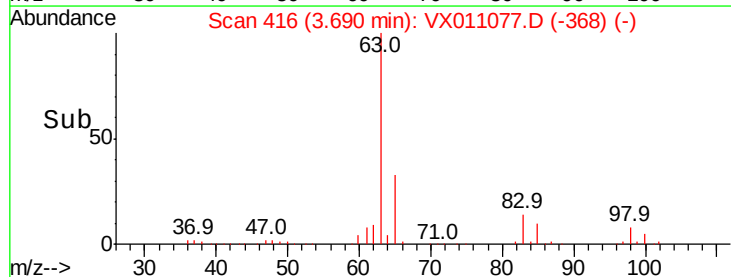
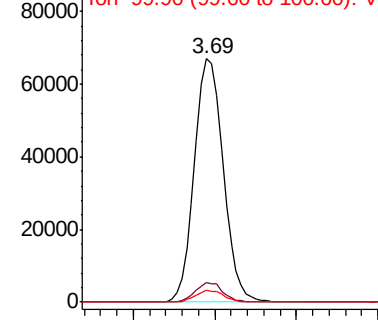
100 4.7 2.4 7.2

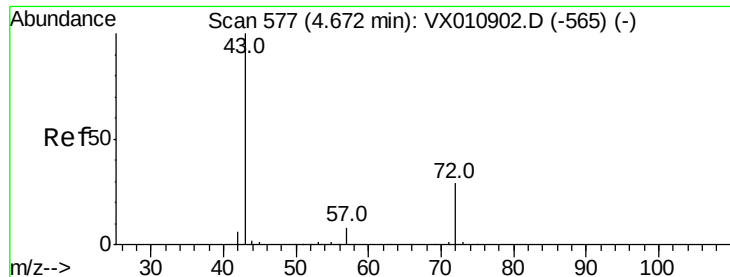


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 250.764 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 356866

Ion Ratio Lower Upper

43 100

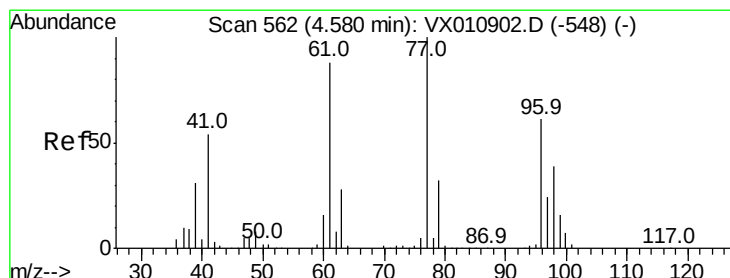
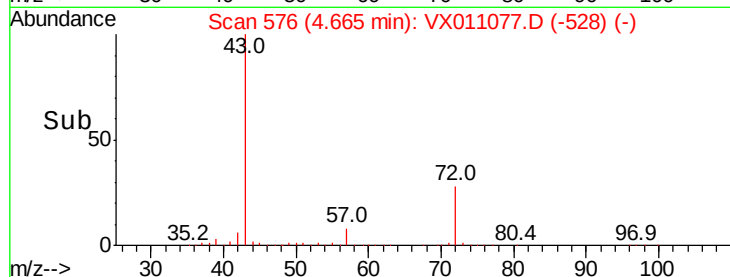
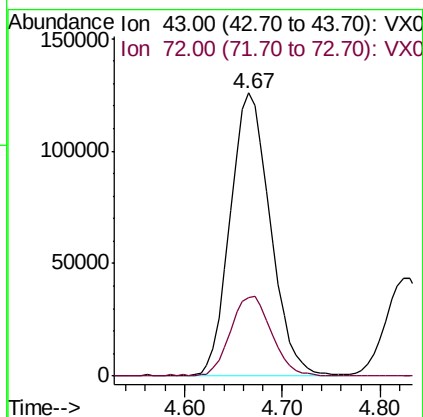
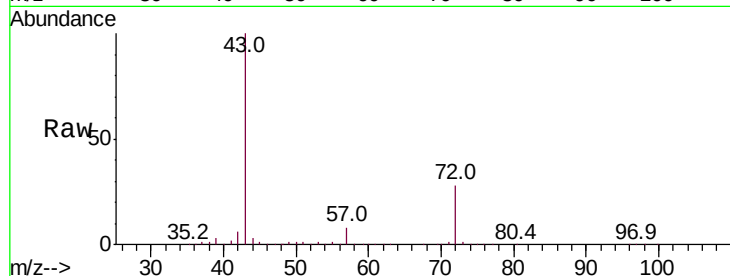
72 27.6 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 52.318 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX011077.D

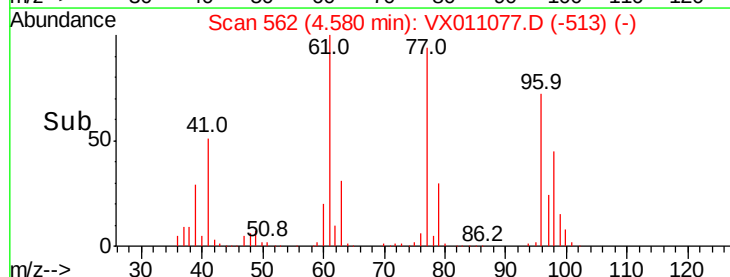
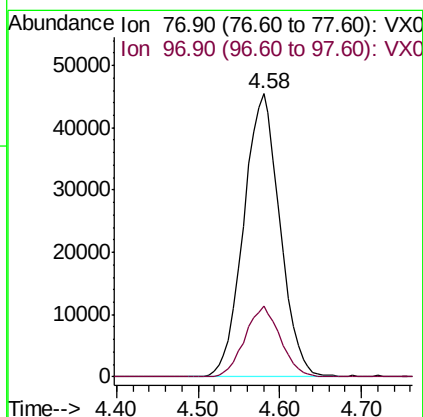
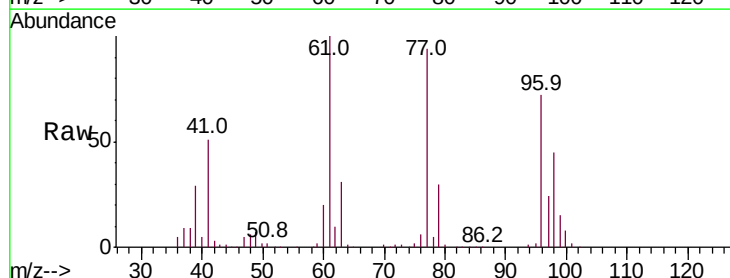
Acq: 25 Jul 2019 16:33

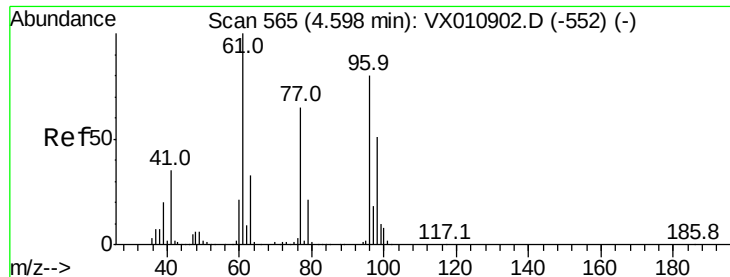
Tgt Ion: 77 Resp: 140460

Ion Ratio Lower Upper

77 100

97 24.6 12.6 37.6





#27

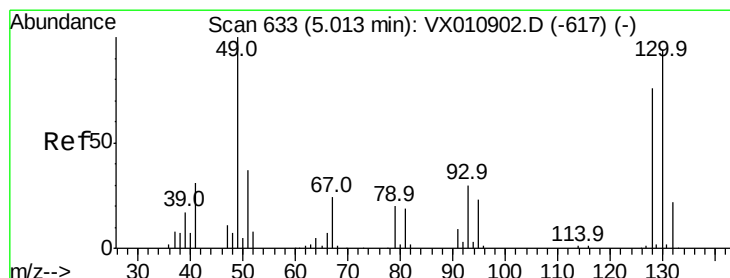
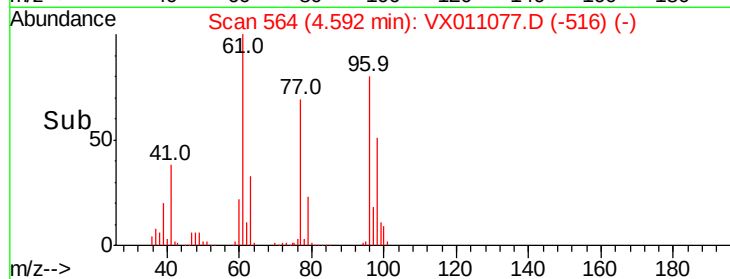
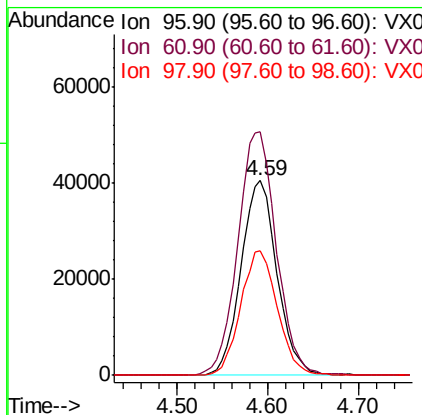
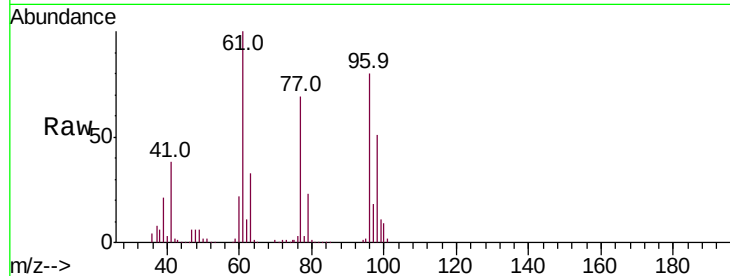
cis-1,2-Dichloroethene
 Concen: 49.511 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	111737		
61	133.7	0.0	269.0	
98	65.6	0.0	131.4	

Manual Integrations
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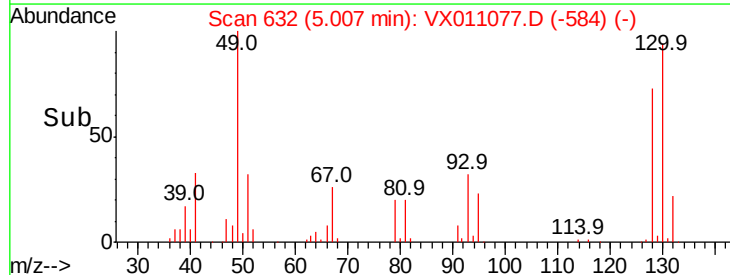
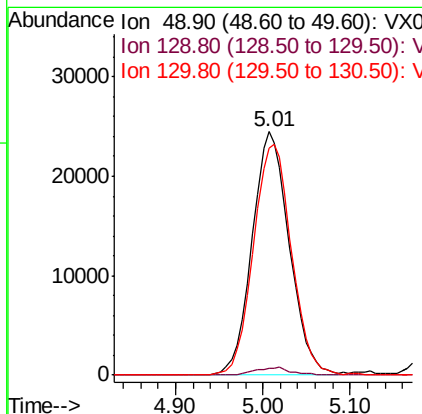
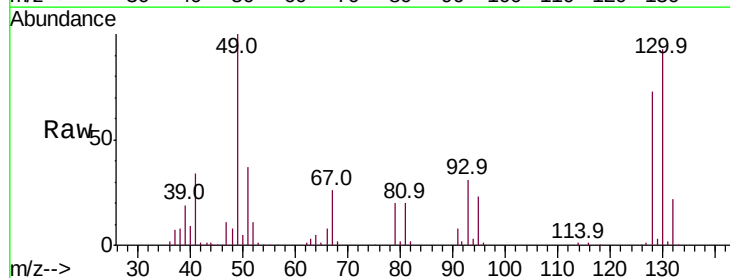
MMDadoda
 7/26/2019 9:49:36 AM

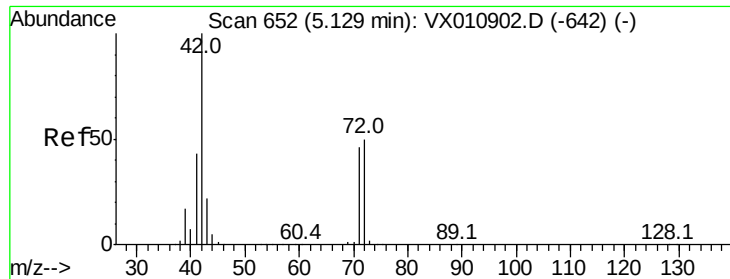


#28

Bromochloromethane
 Concen: 46.942 ug/l
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72329		
129	3.0	0.0	5.2	
130	96.7	76.9	115.3	





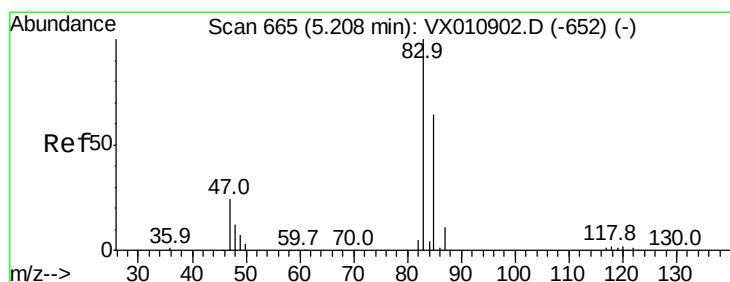
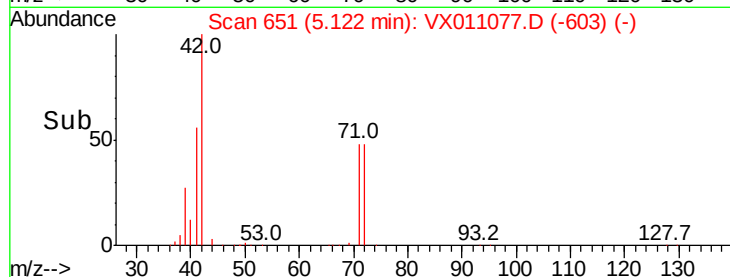
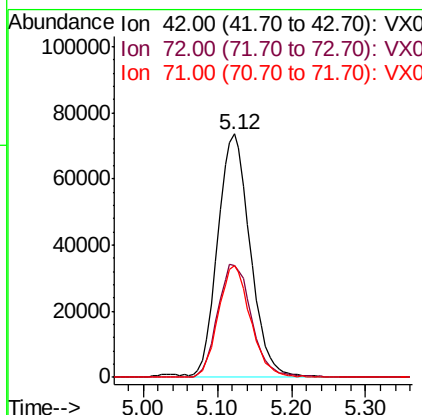
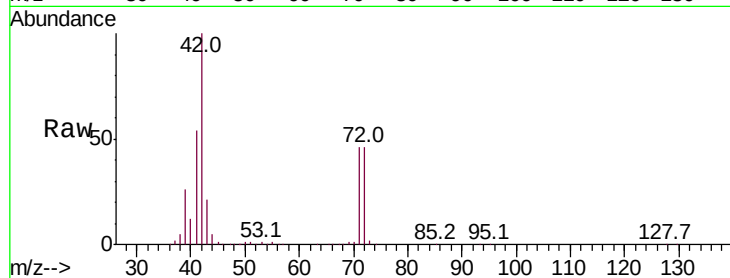
#29
Tetrahydrofuran
Concen: 245.984 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.8	59.8
71	45.9	37.0	55.4

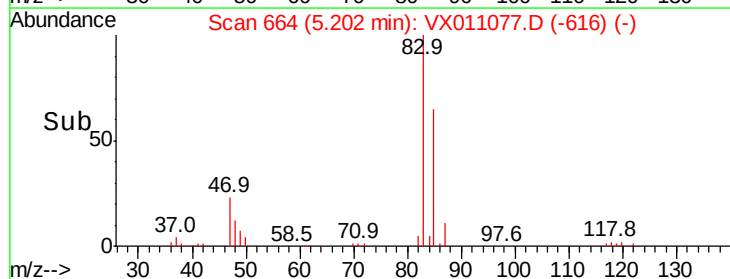
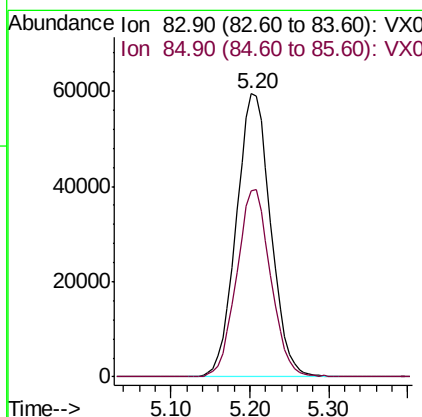
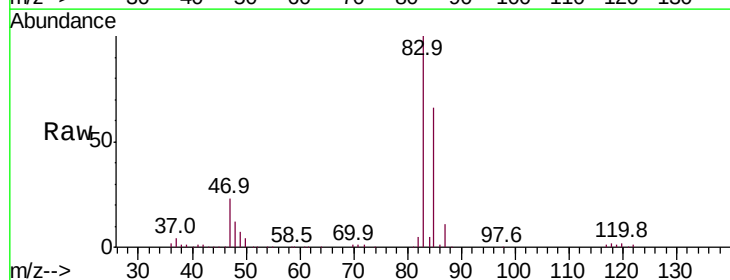
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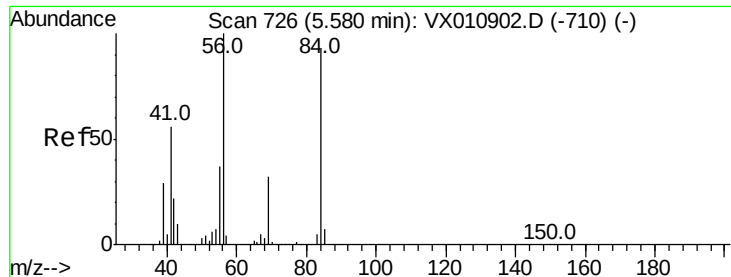
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#30
Chloroform
Concen: 51.007 ug/l
RT: 5.20 min Scan# 664
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0





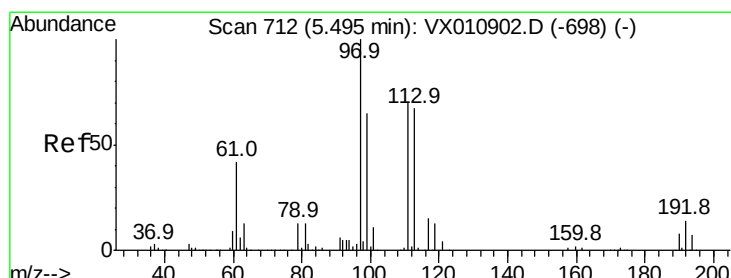
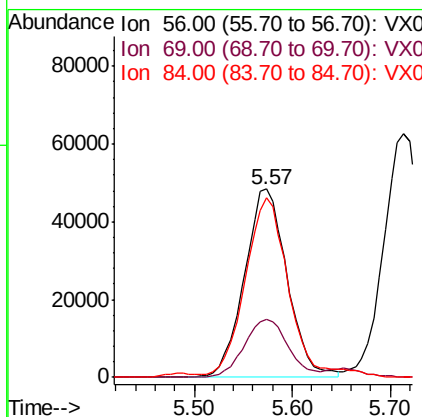
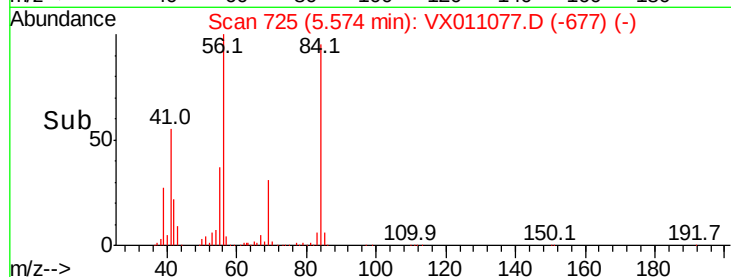
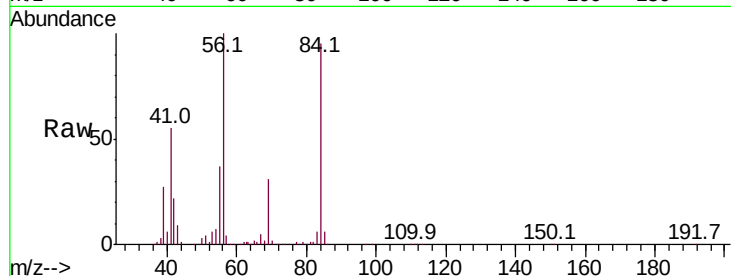
#31
Cyclohexane
Concen: 49.522 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.8	38.8
84	93.3	73.8	110.6

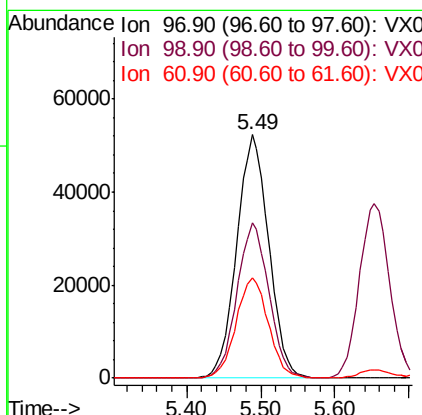
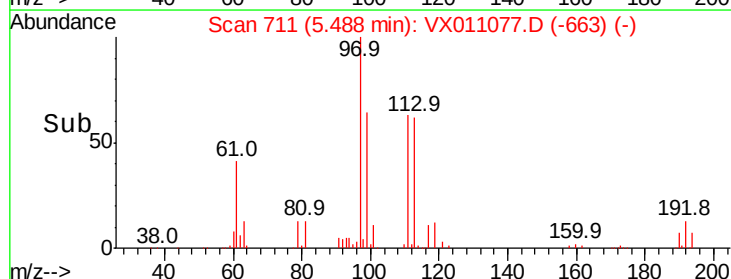
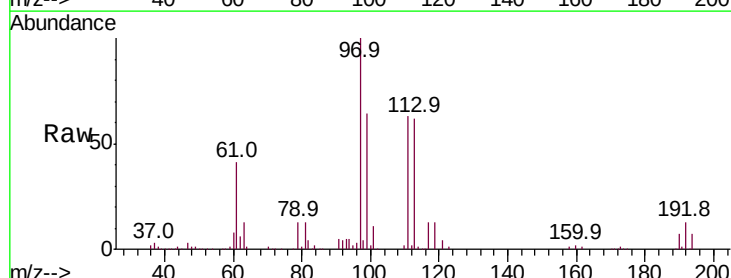
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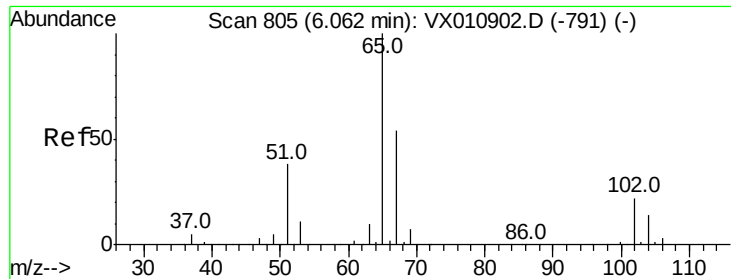
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#32
1,1,1-Trichloroethane
Concen: 51.615 ug/l
RT: 5.49 min Scan# 711
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.0
61	41.7	33.0	49.6





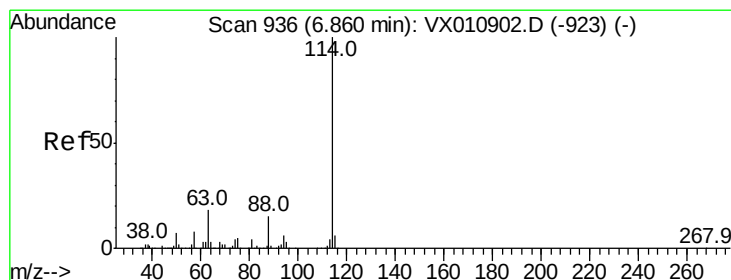
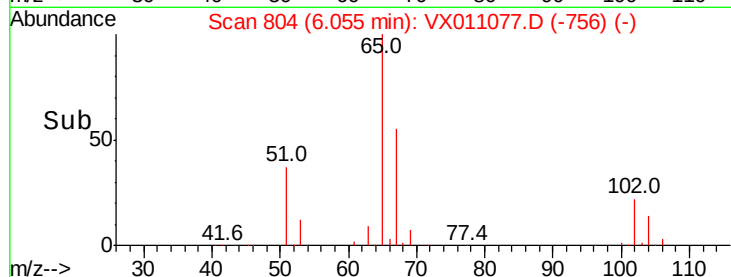
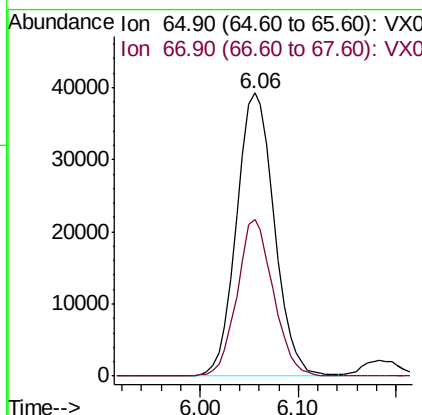
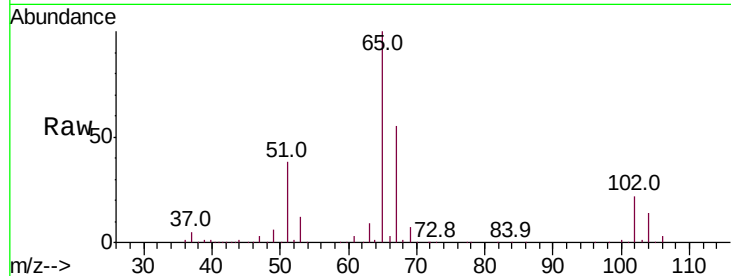
#33
 1,2-Dichloroethane-d4
 Concen: 47.925 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	107.8	

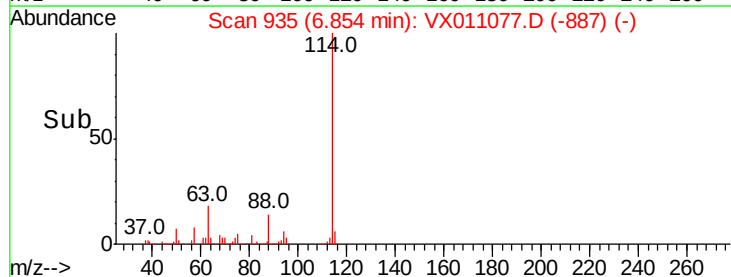
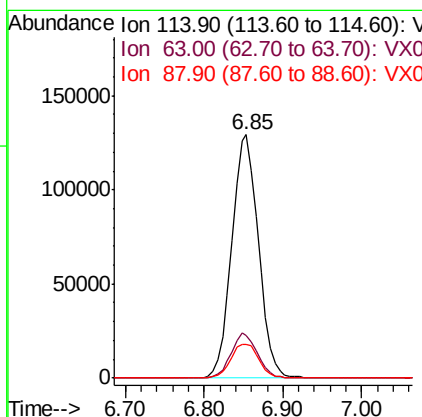
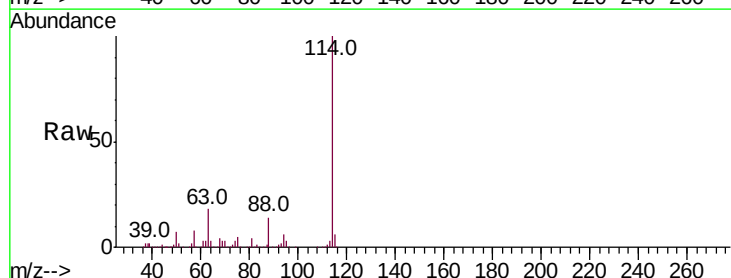
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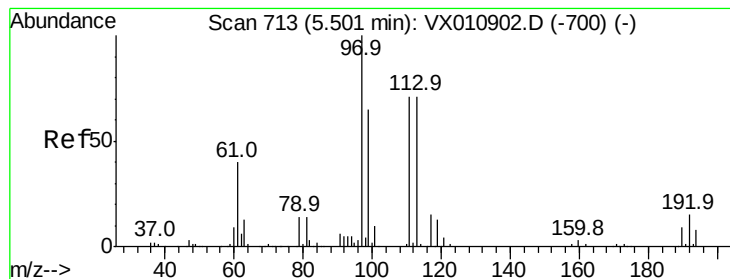
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 7/26/2019 9:49:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.7	0.0	35.6	
88	14.1	0.0	29.8	





#35

Dibromofluoromethane

Concen: 49.871 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 96232

Ion Ratio Lower Upper

113 100

111 101.2 82.3 123.5

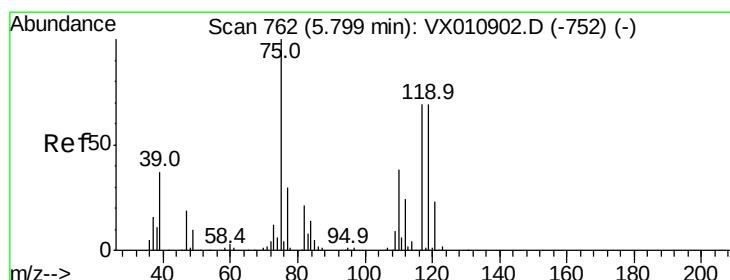
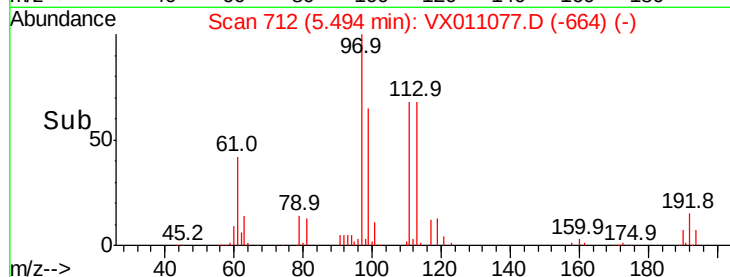
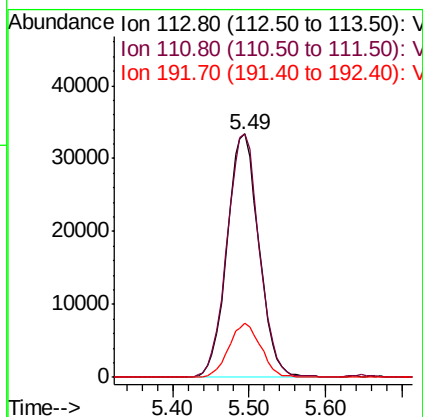
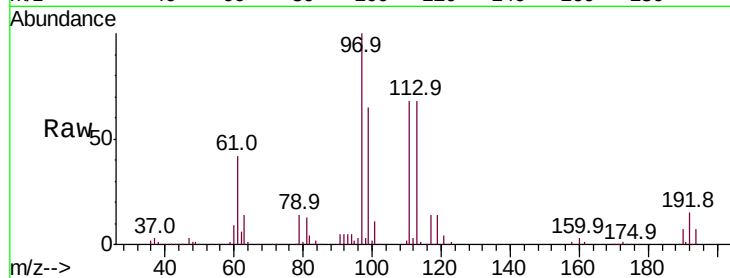
192 22.1 17.4 26.2

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 51.843 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

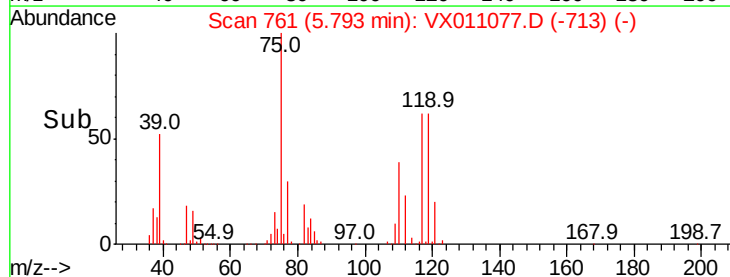
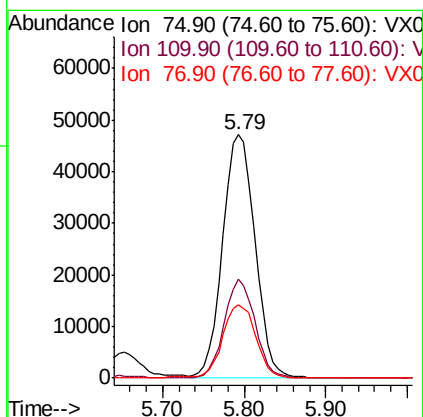
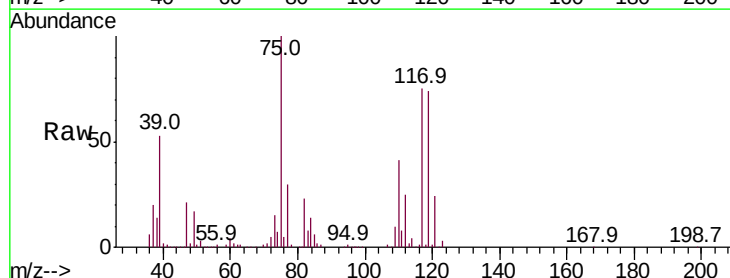
Tgt Ion: 75 Resp: 129461

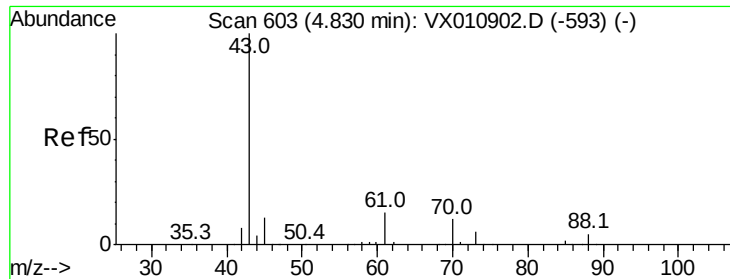
Ion Ratio Lower Upper

75 100

110 38.7 19.9 59.7

77 31.1 25.0 37.4





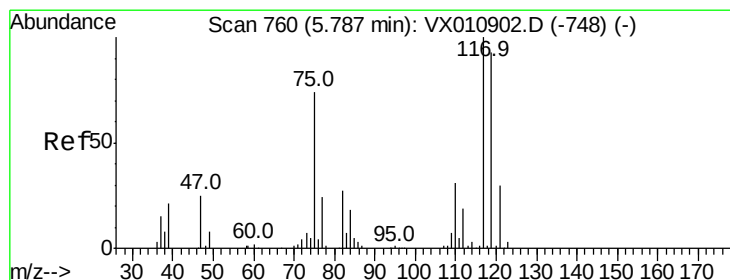
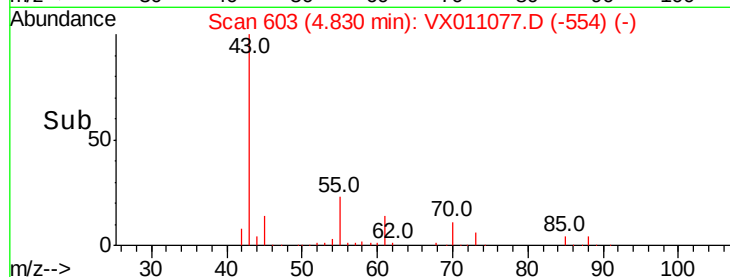
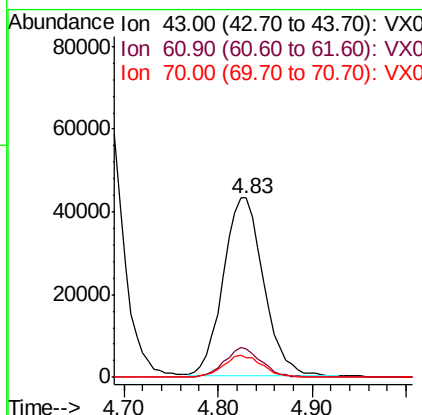
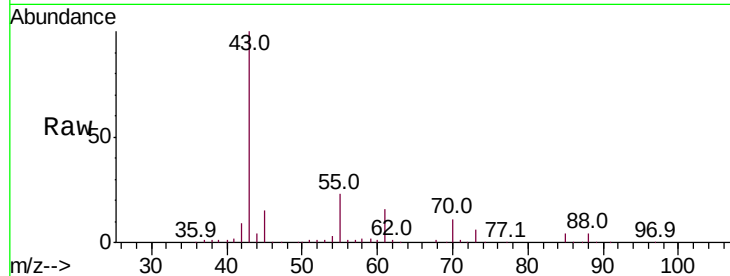
#37
Ethyl Acetate
Concen: 50.374 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.6	17.4
70	12.0	9.1	13.7

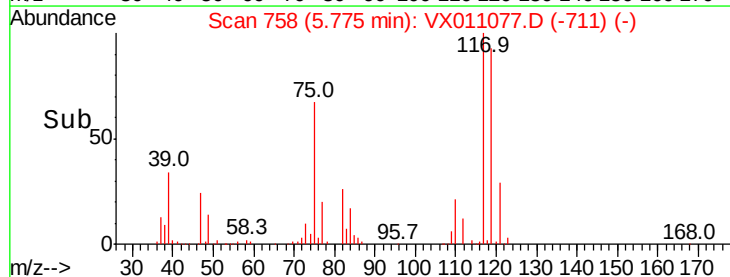
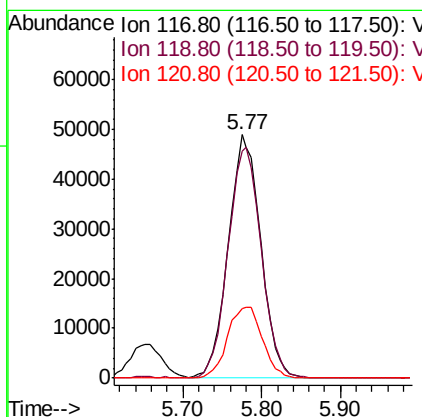
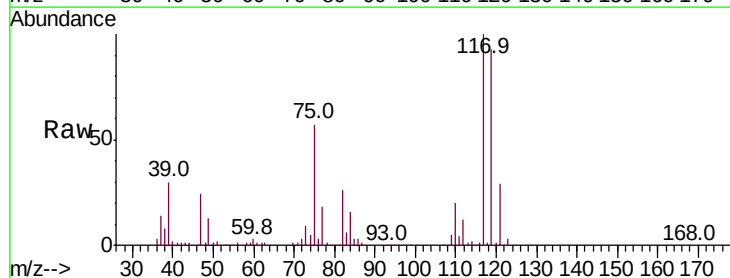
Manual Integrations
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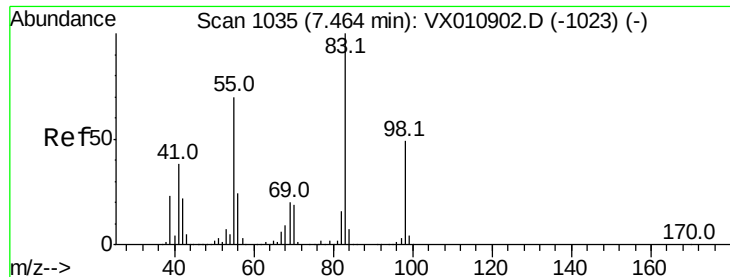
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#38
Carbon Tetrachloride
Concen: 53.845 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.2	111.2
121	28.8	24.2	36.2





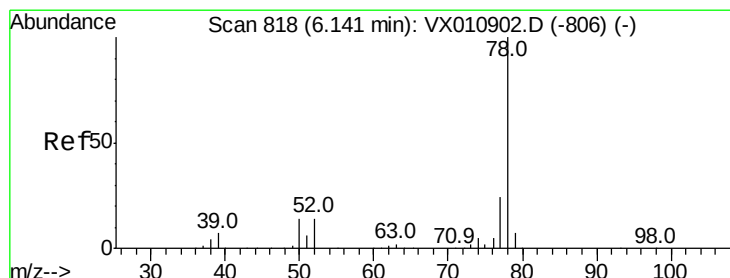
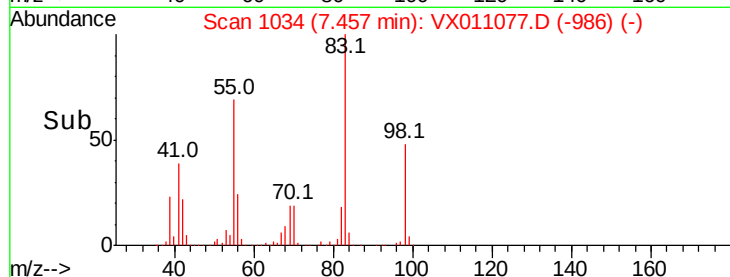
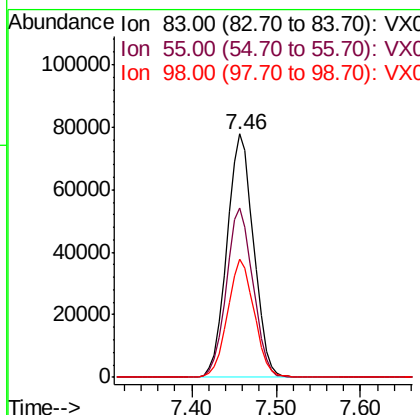
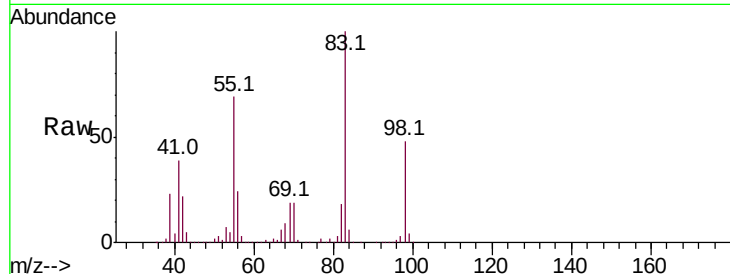
#39
Methvlcvclohexane
Concen: 51.697 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	56.2	84.4
98	48.4	39.0	58.4

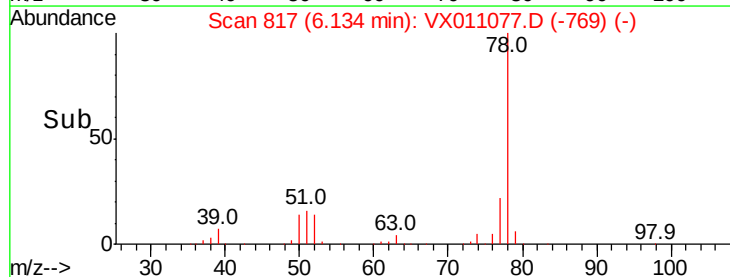
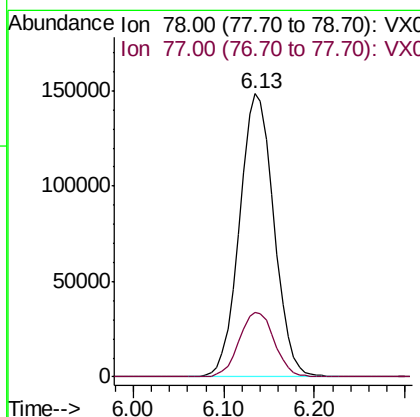
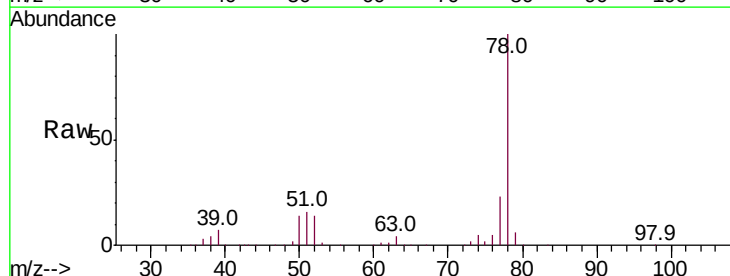
Manual Integrations
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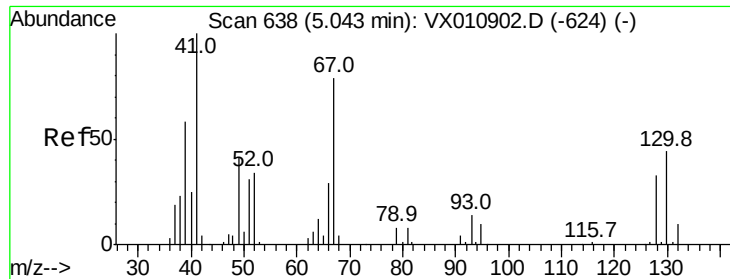
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#40
Benzene
Concen: 51.159 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6





#41

Methacrylonitrile

Concen: 50.440 ug/l

RT: 5.03 min Scan# 636

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

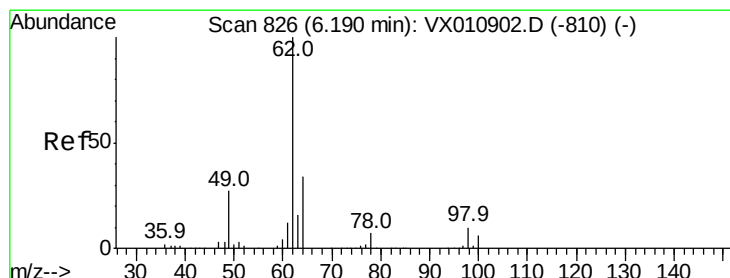
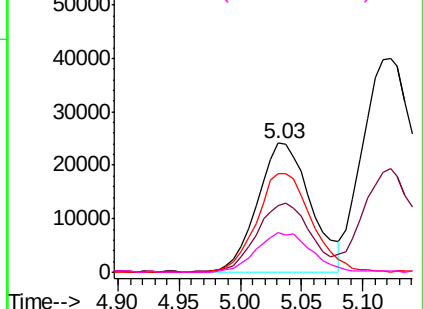
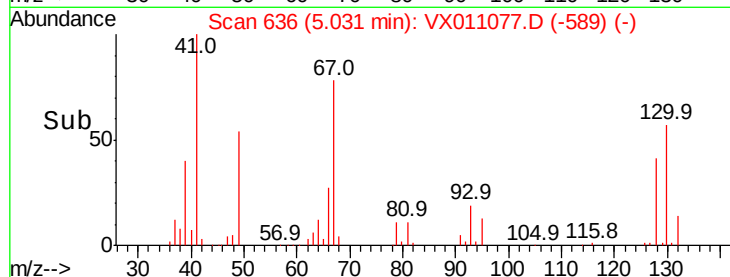
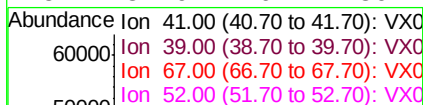
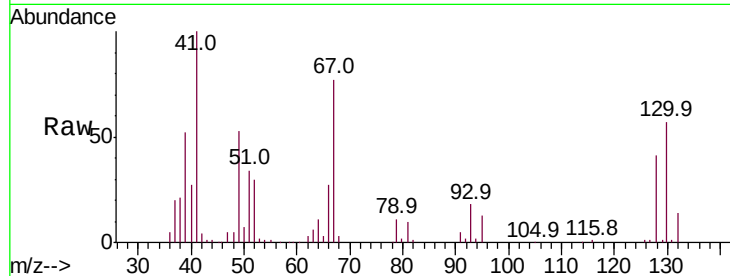
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.0	45.4	68.2
67	79.3	65.9	98.9
52	31.9	26.2	39.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.656 ug/l

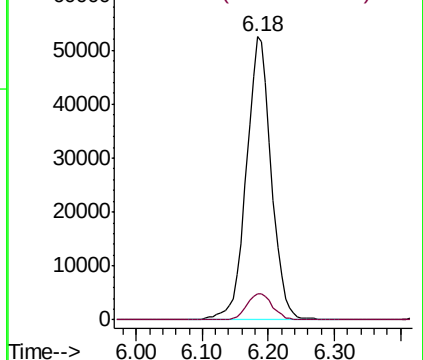
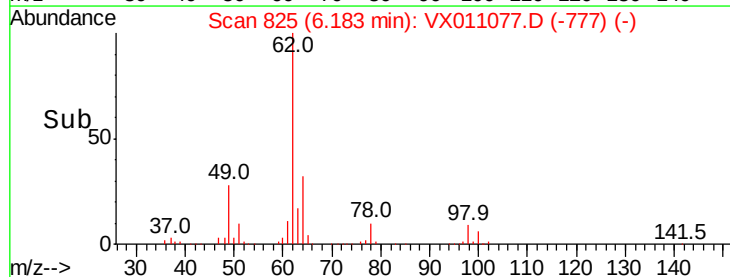
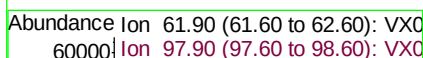
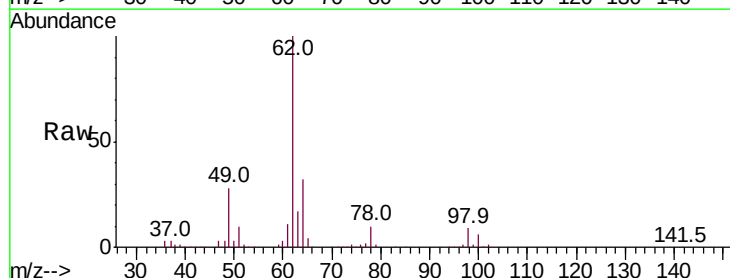
RT: 6.18 min Scan# 825

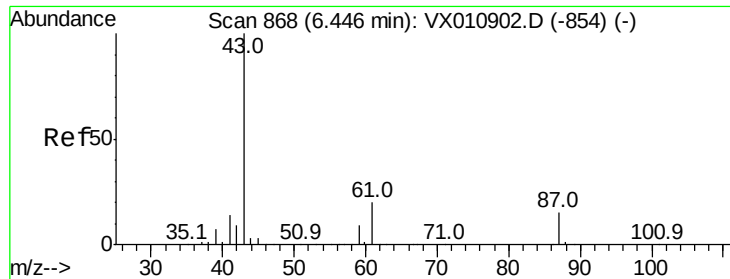
Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





#43

Isopropyl Acetate

Concen: 51.200 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

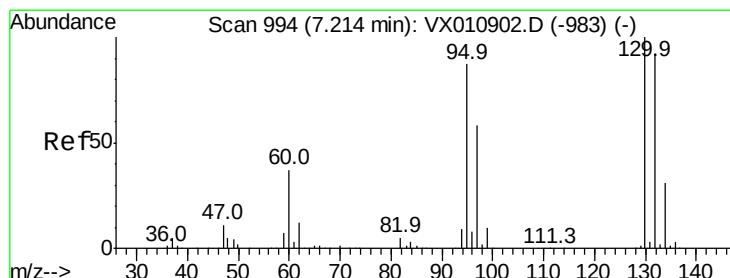
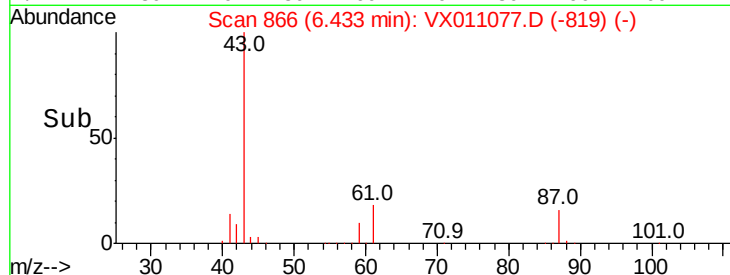
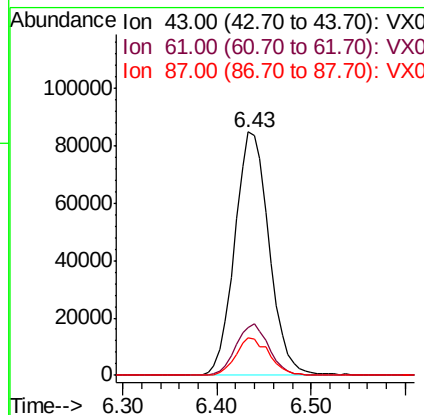
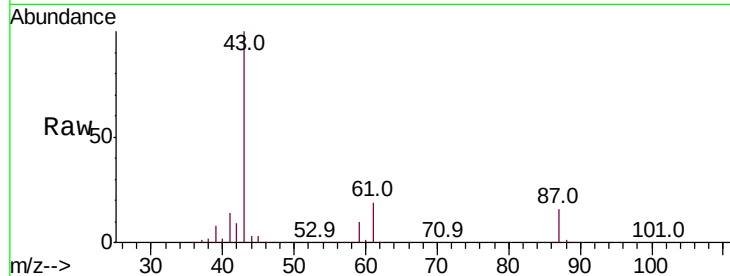
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	215272
Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.1	25.7
87	15.2	12.0	18.0

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#44

Trichloroethene

Concen: 50.946 ug/l

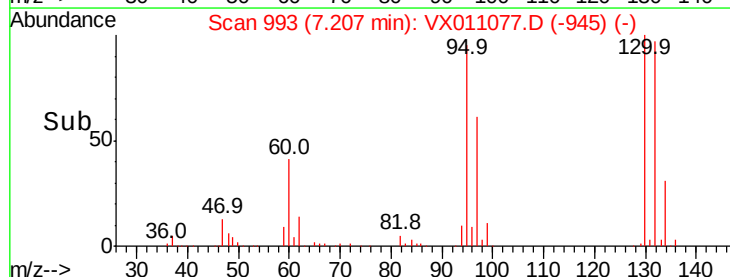
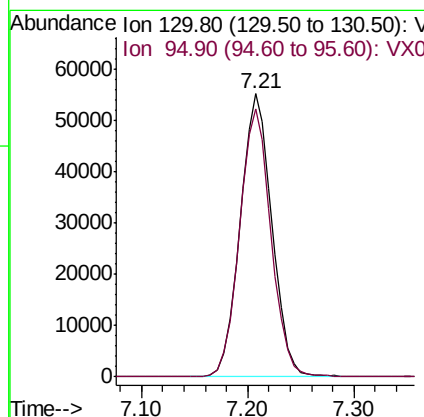
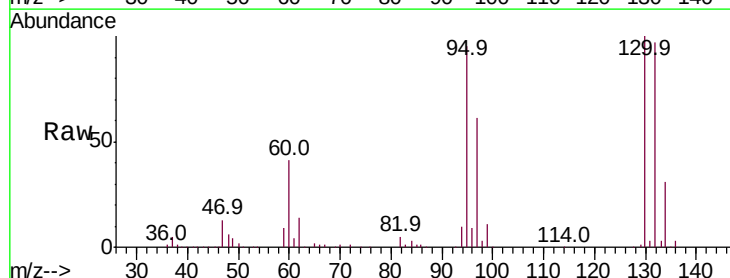
RT: 7.21 min Scan# 993

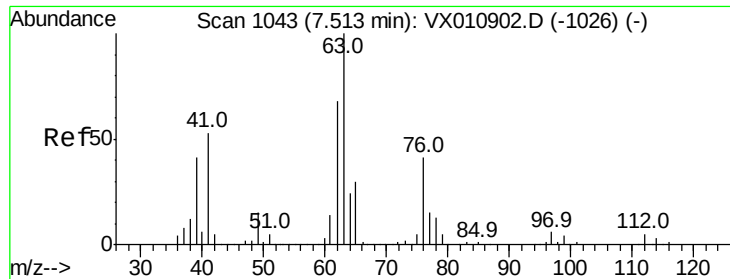
Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	130	Resp:	115353
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	174.8





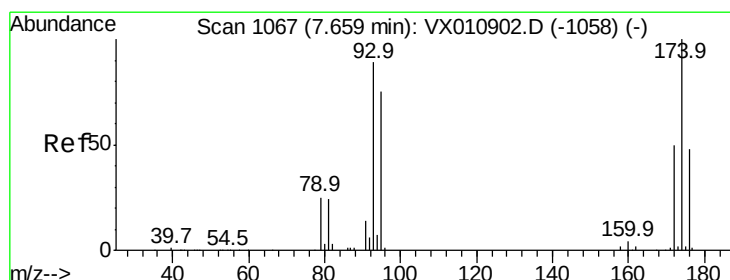
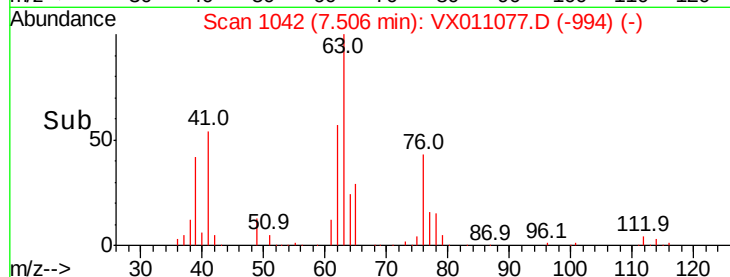
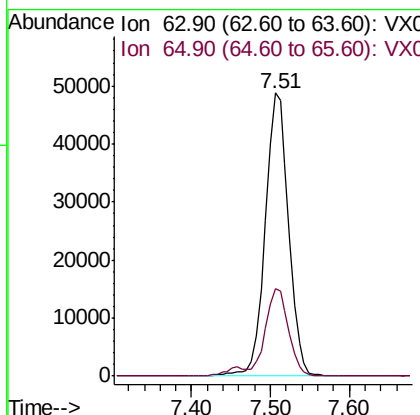
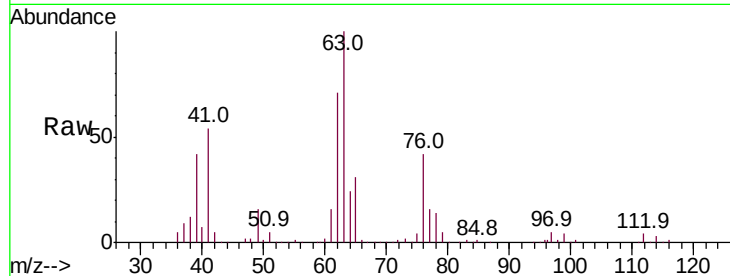
#45
 1,2-Dichloropropane
 Concen: 51.486 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.4	36.6

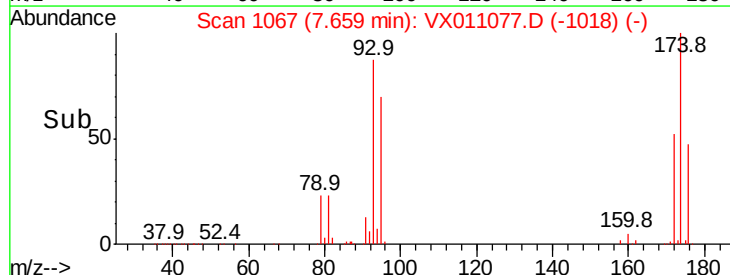
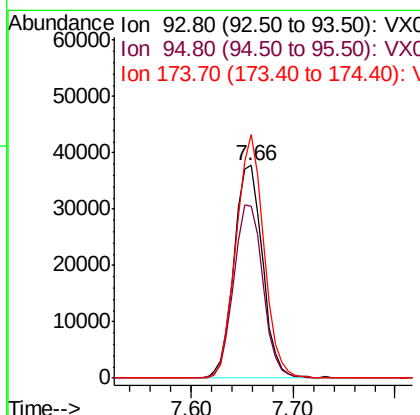
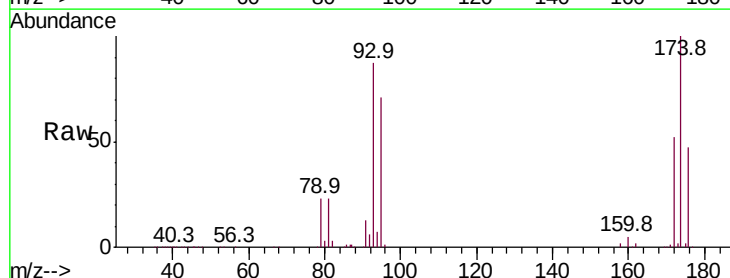
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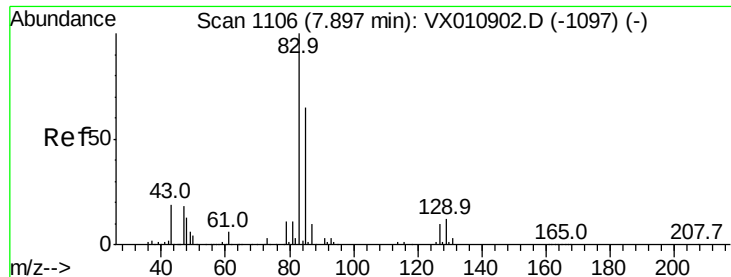
MMDadoda
 7/26/2019 9:49:36 AM



#46
 Dibromomethane
 Concen: 52.635 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.2	100.8
174	111.4	90.6	135.8





#47

Bromodichloromethane

Concen: 54.859 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

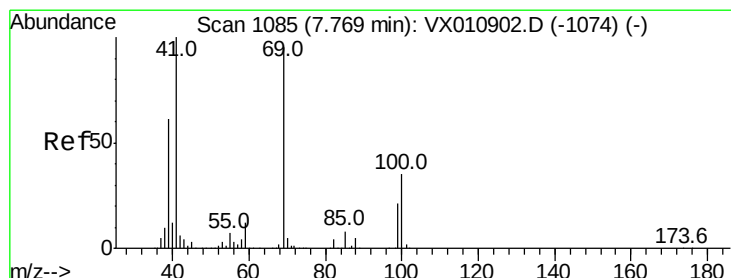
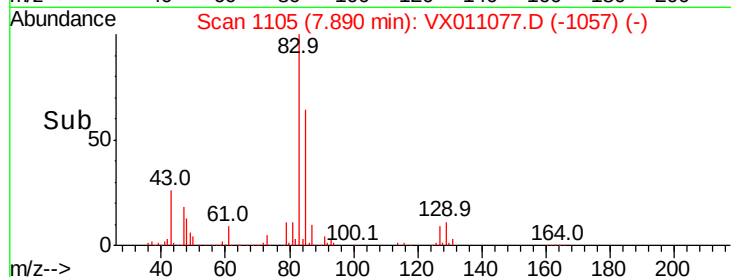
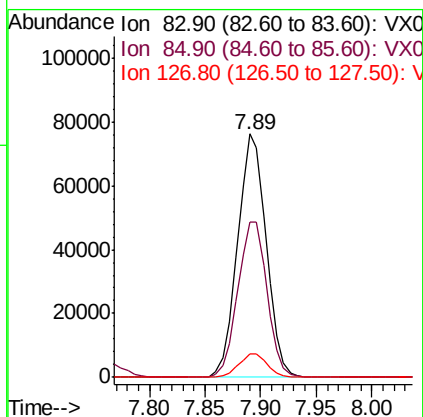
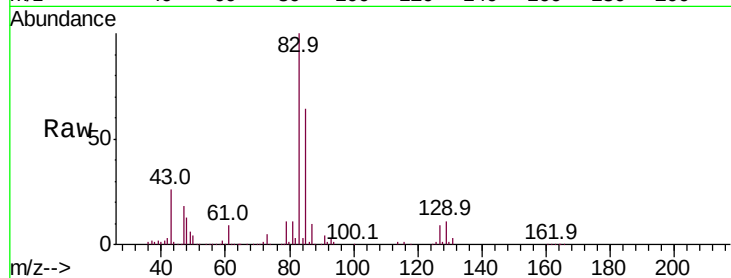
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	135854
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7
127	9.4	7.8	11.8

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#48

Methyl methacrylate

Concen: 51.543 ug/l

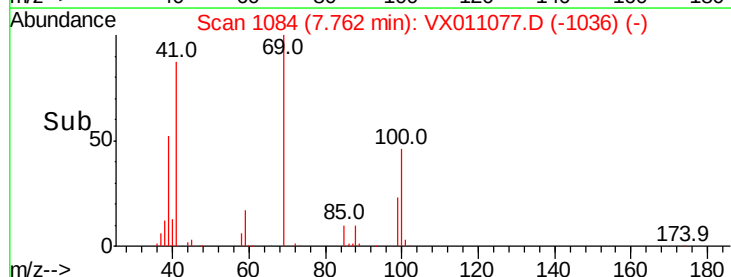
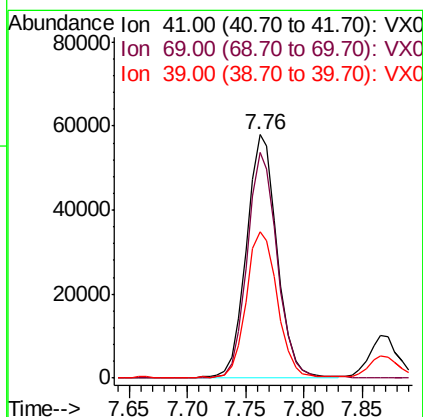
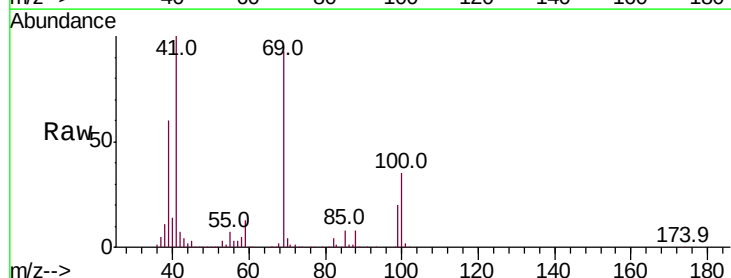
RT: 7.76 min Scan# 1084

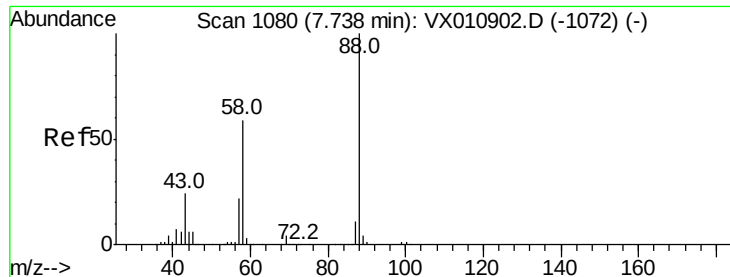
Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	41	Resp:	105572
Ion	Ratio	Lower	Upper
41	100		
69	91.4	74.4	111.6
39	61.2	48.9	73.3





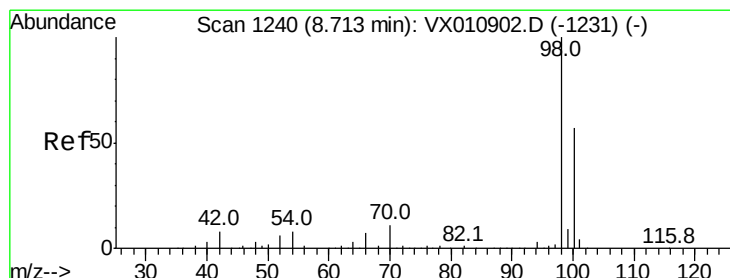
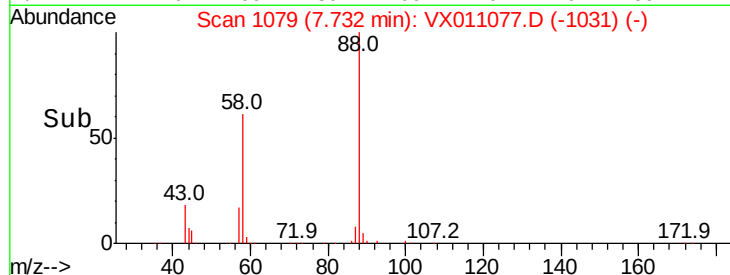
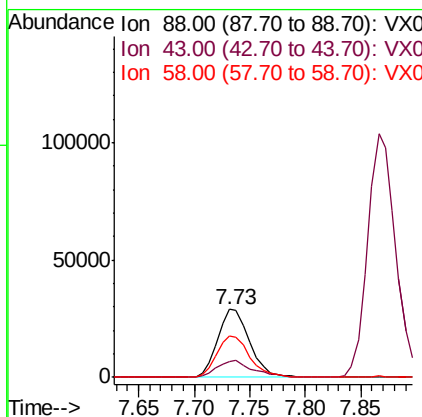
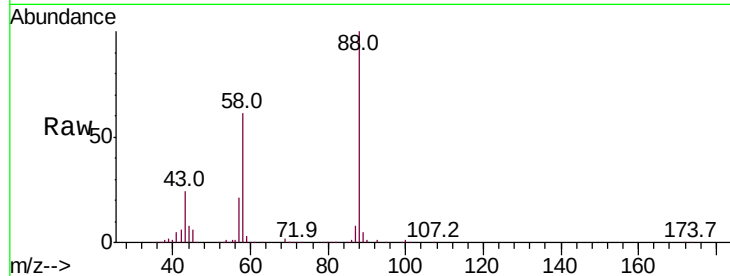
#49
1,4-Dioxane
Concen: 1003.670 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	22.9	34.3
58	64.0	49.8	74.8

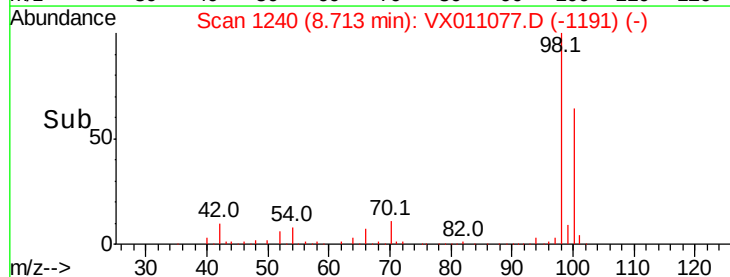
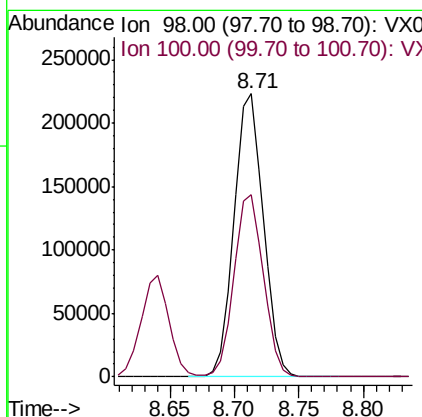
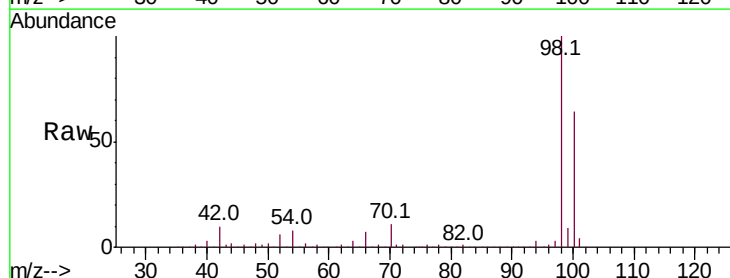
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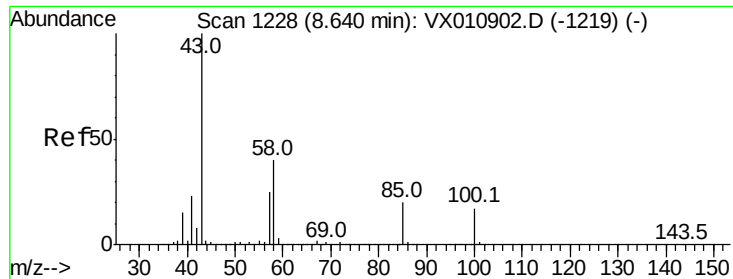
MMDadoda
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#50
Toluene-d8
Concen: 49.038 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 263.363 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 717802

Ion Ratio Lower Upper

43 100

58 40.0

32.2

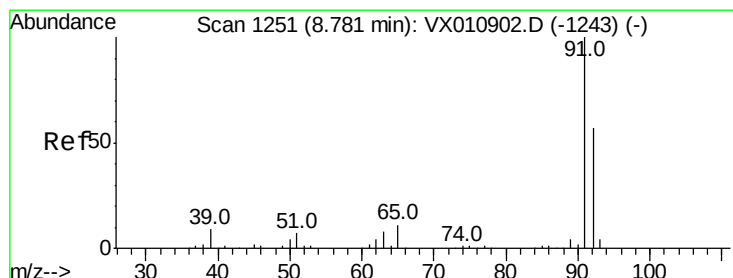
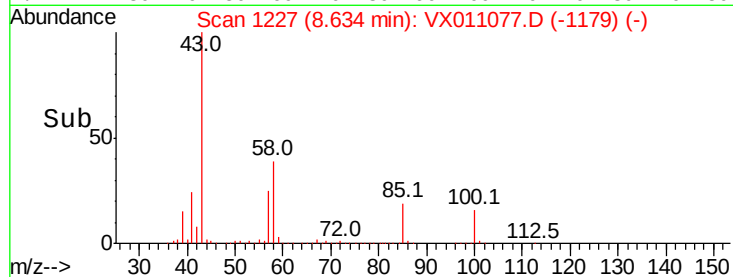
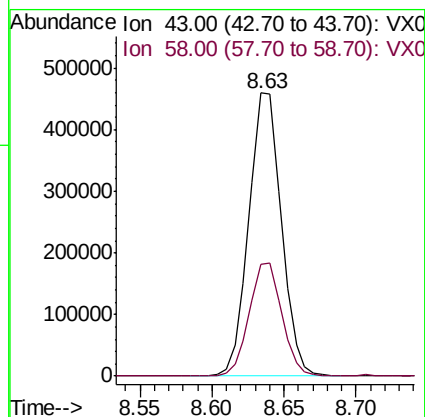
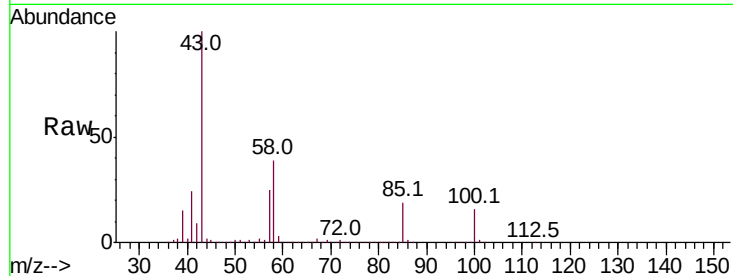
48.4

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#52

Toluene

Concen: 51.502 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion: 92 Resp: 258802

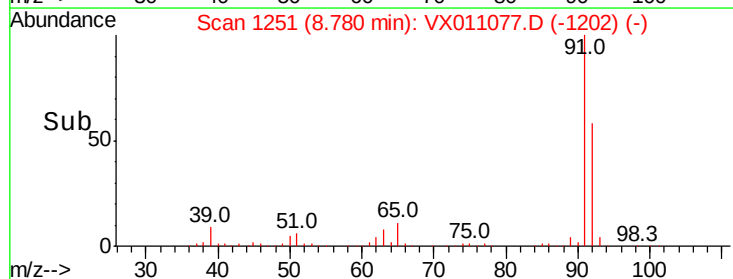
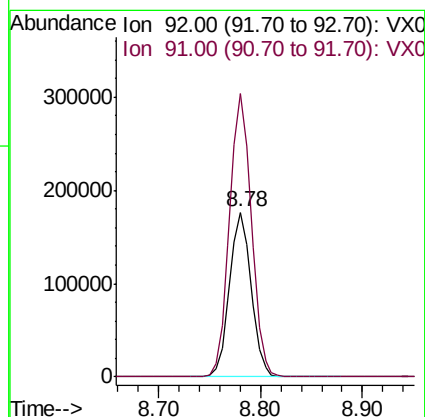
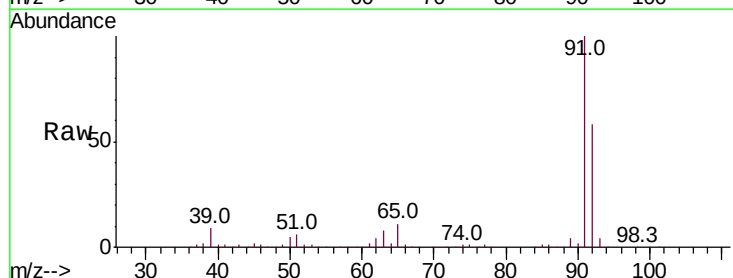
Ion Ratio Lower Upper

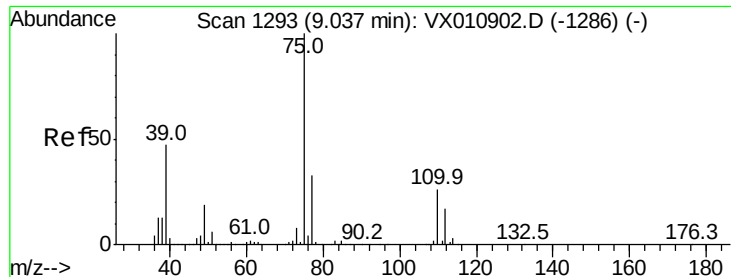
92 100

91 174.2

139.4

209.0





#53

t-1,3-Dichloropropene

Concen: 56.567 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tot Ion: 75 Resp: 150625

Ion Ratio Lower Upper

75 100

77 30.4 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

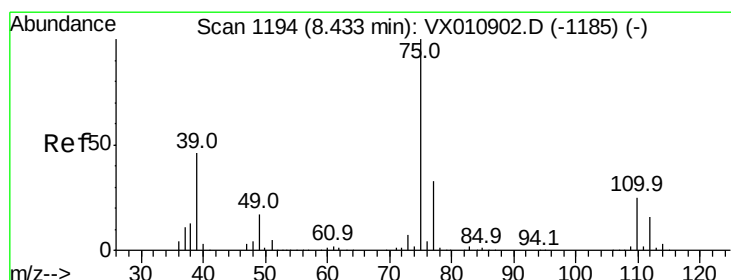
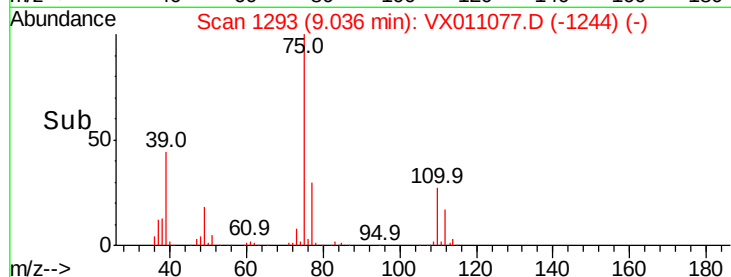
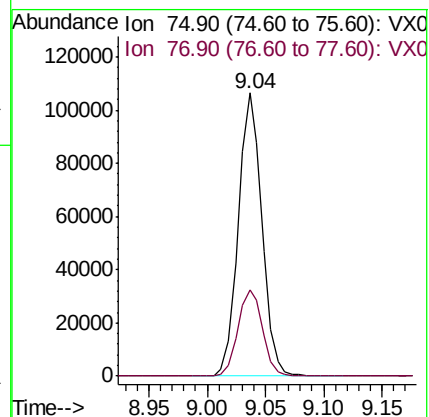
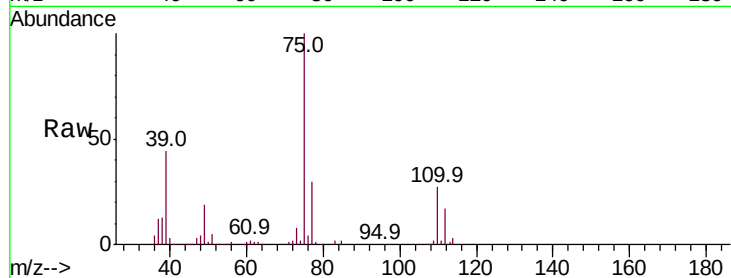
VSTDCCC050EC

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#54

cis-1,3-Dichloropropene

Concen: 54.176 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

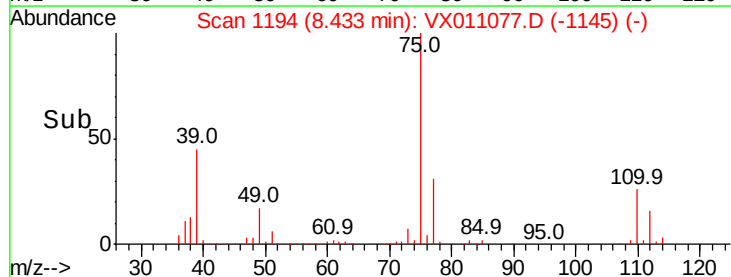
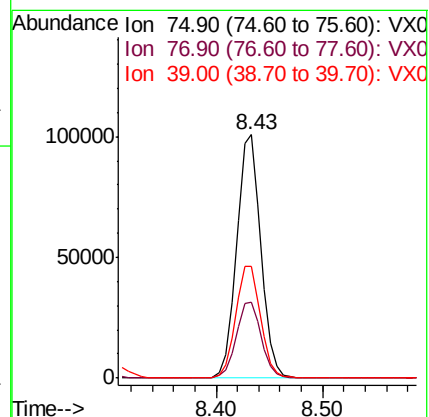
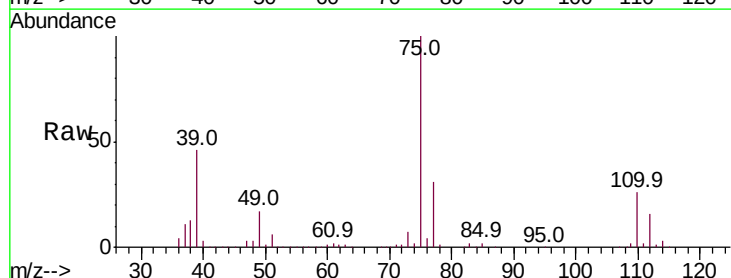
Tgt Ion: 75 Resp: 160522

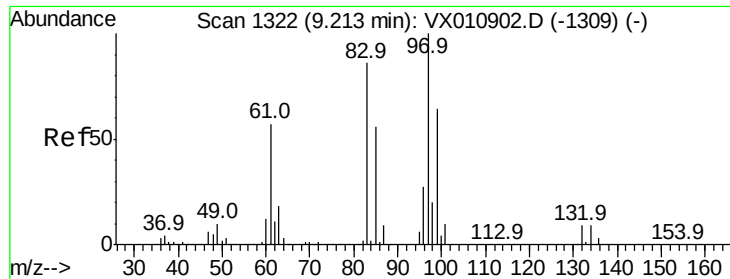
Ion Ratio Lower Upper

75 100

77 31.4 26.1 39.1

39 45.5 36.6 54.8





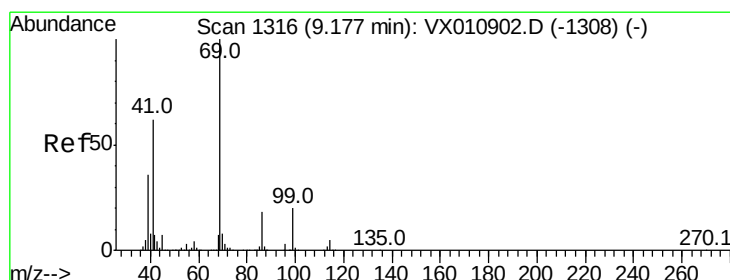
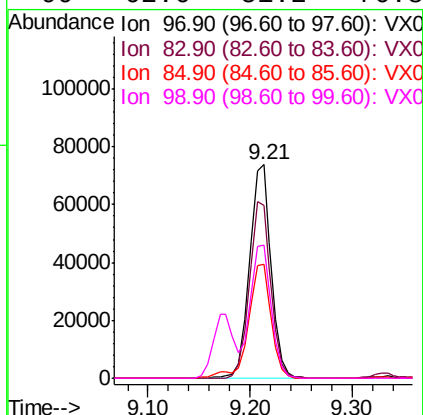
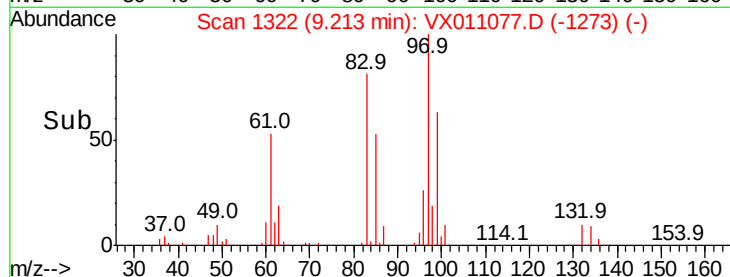
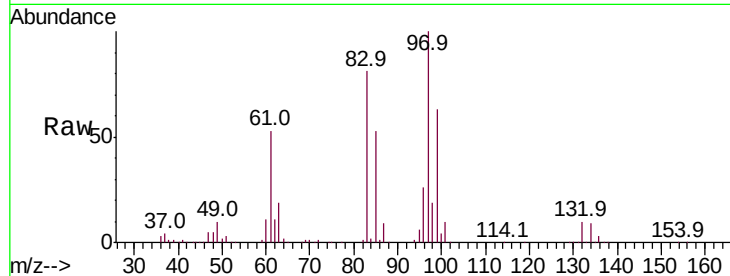
#55
 1,1,2-Trichloroethane
 Concen: 52.704 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.9	69.2	103.8
85	53.2	44.6	66.8
99	62.6	51.2	76.8

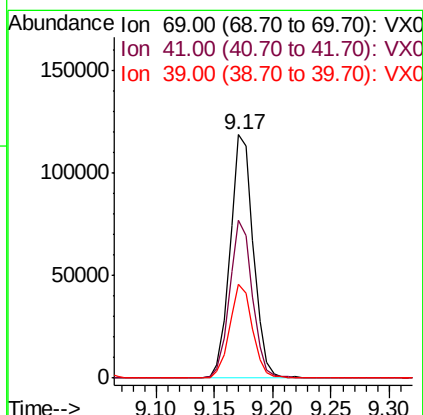
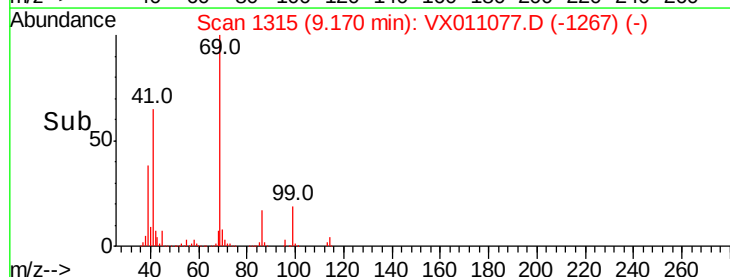
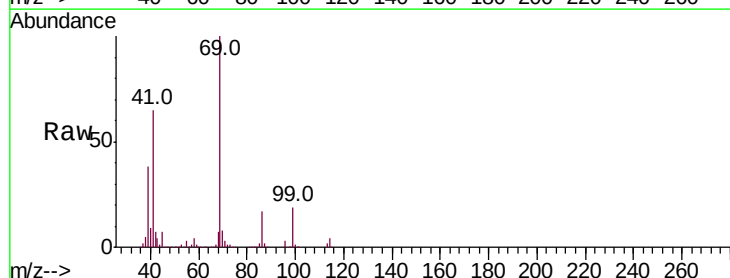
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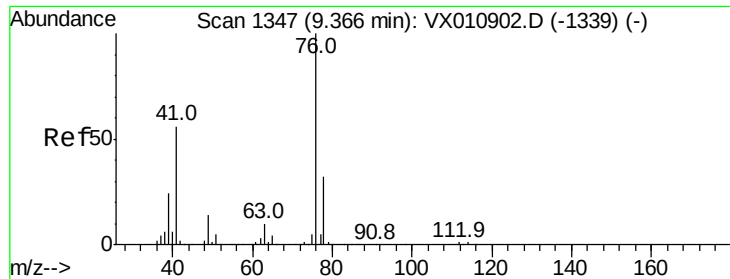
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#56
 Ethyl methacrylate
 Concen: 54.489 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.7	74.5
39	37.7	29.6	44.4





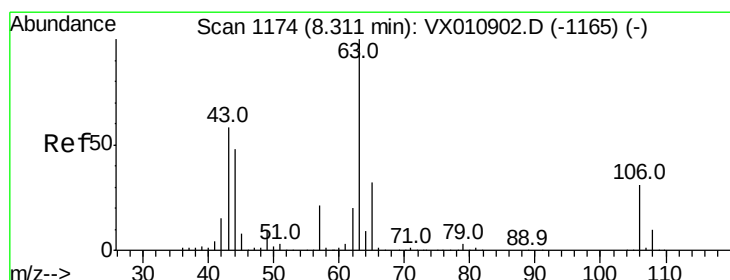
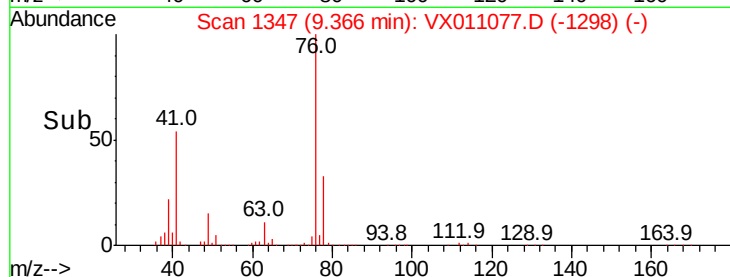
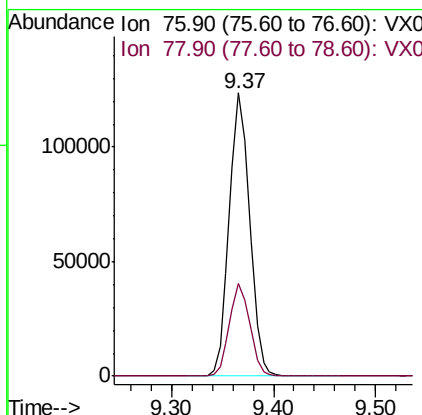
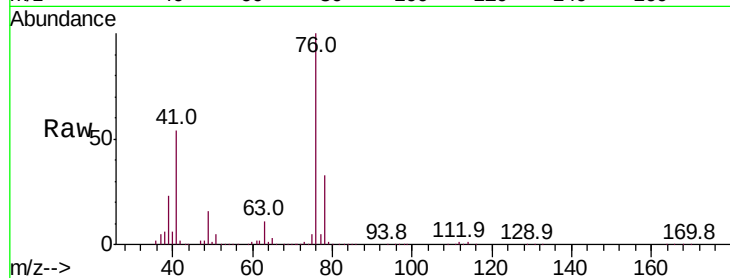
#57
 1,3-Dichloropropane
 Concen: 52.347 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 171817
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4

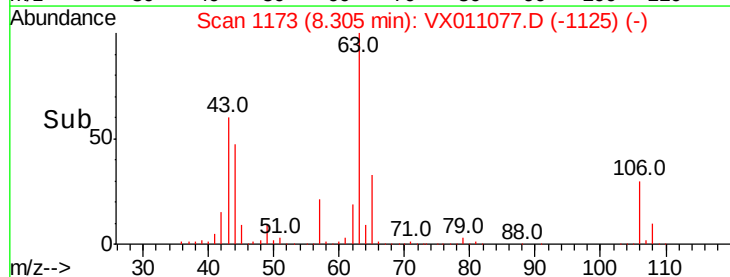
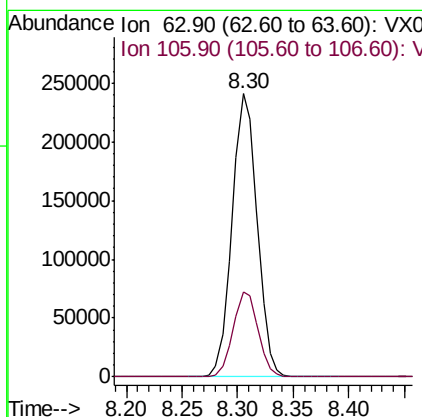
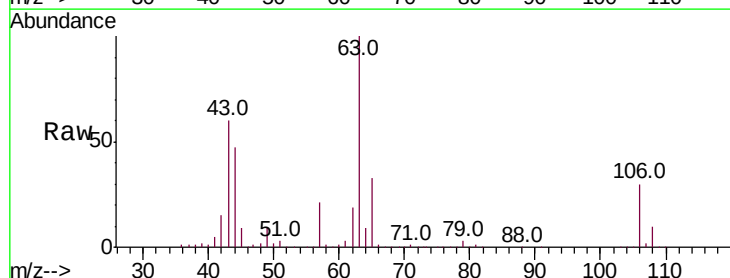
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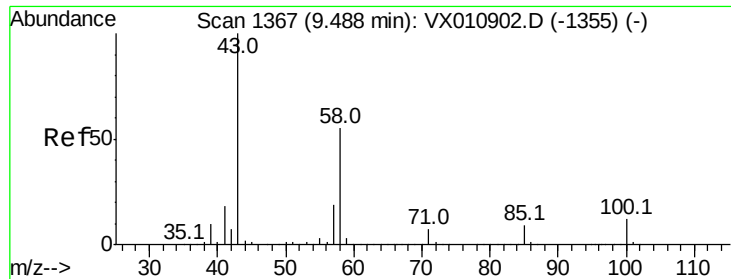
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 259.748 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion: 63 Resp: 375269
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.0 36.0





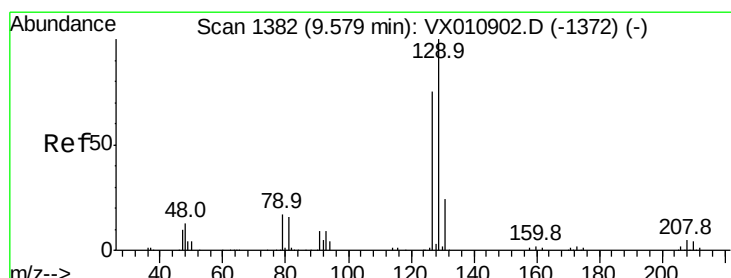
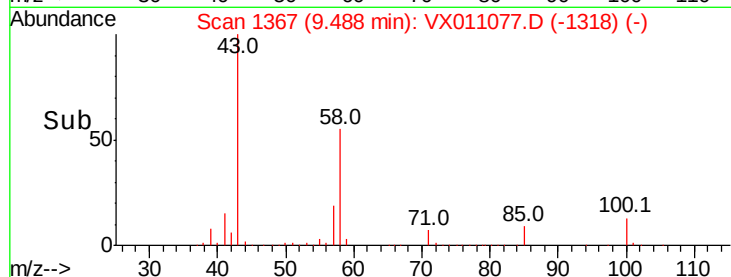
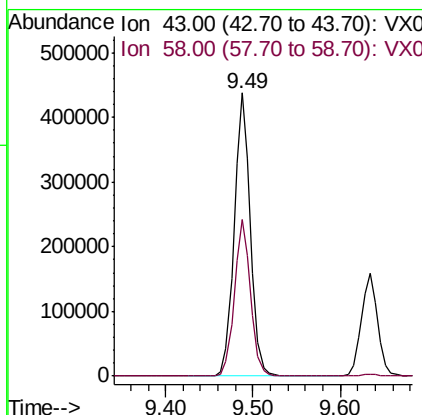
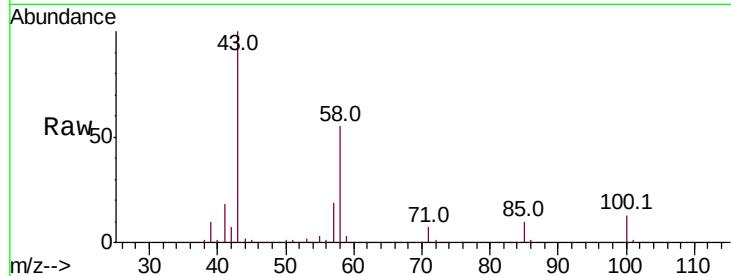
#59
2-Hexanone
Concen: 266.590 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 563561
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9

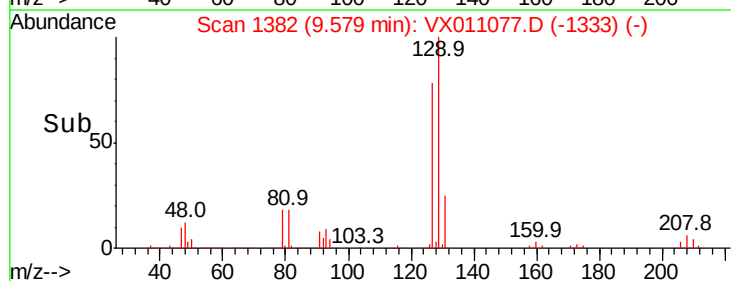
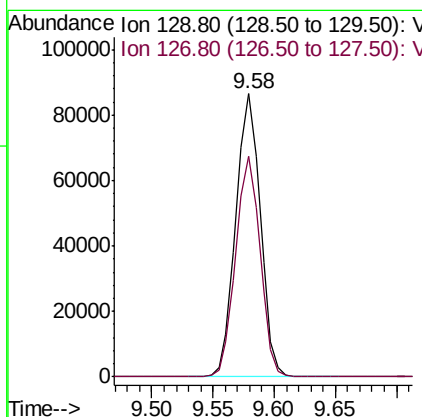
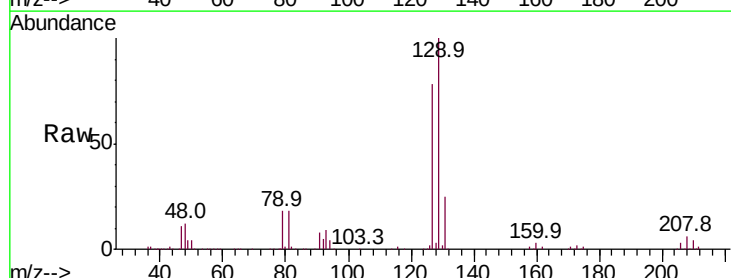
Manual Integrations
APPROVED

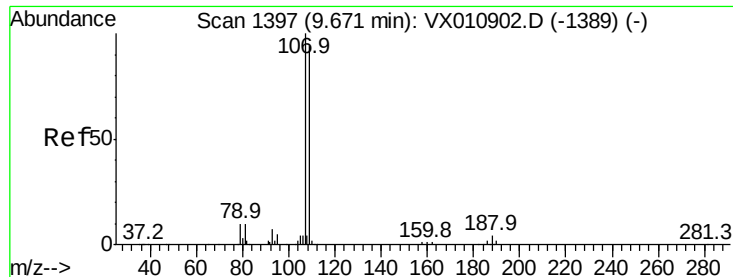
MMDadoda
7/26/2019 9:49:36 AM



#60
Dibromochloromethane
Concen: 50.438 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion: 129 Resp: 120160
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.866 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 116084

Ion Ratio Lower Upper

107 100

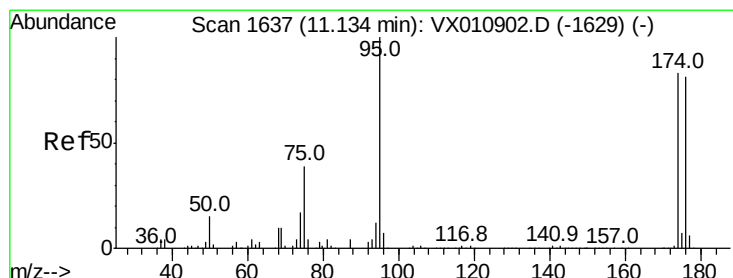
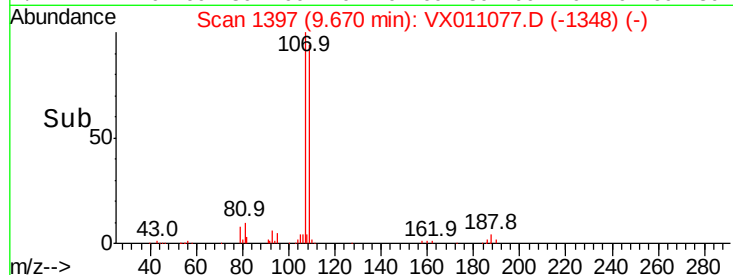
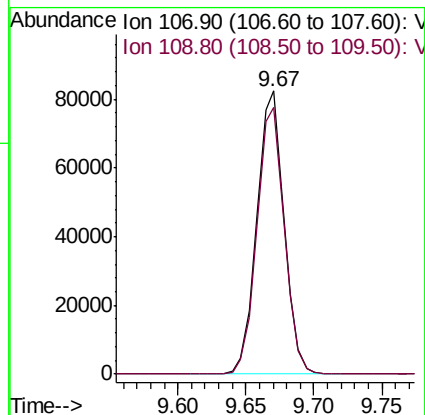
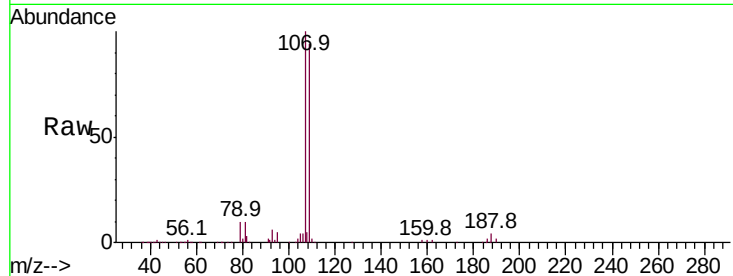
109 95.2 75.4 113.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

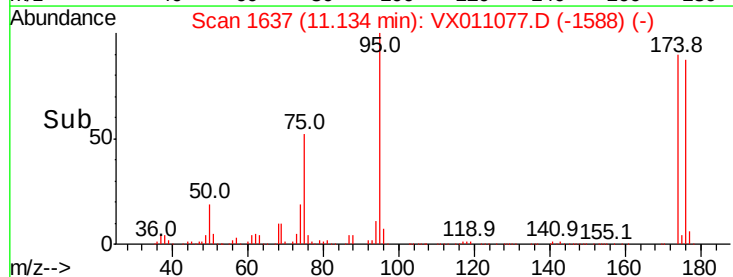
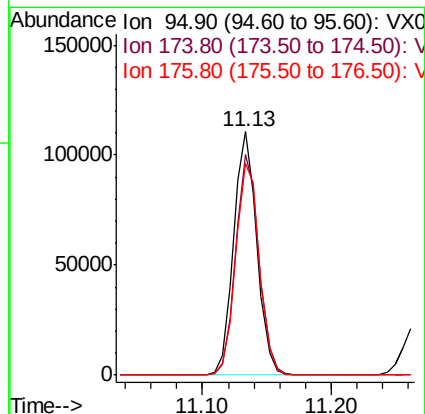
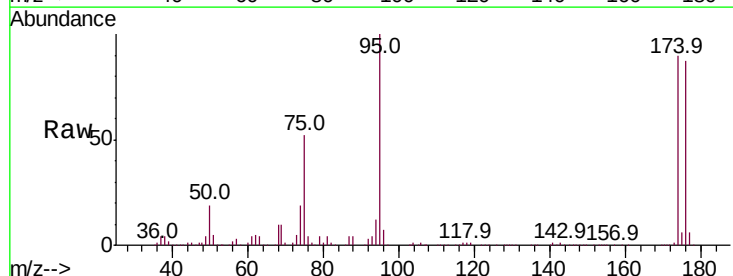
Tgt Ion: 95 Resp: 139497

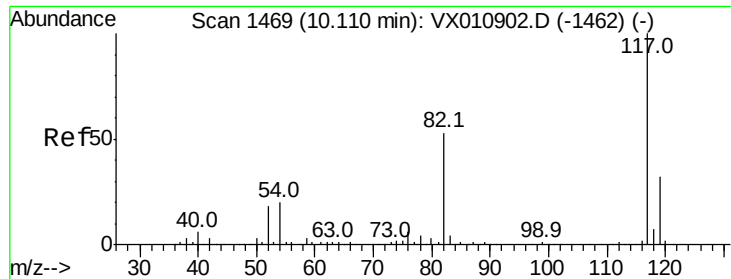
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.6

176 88.6 0.0 173.8





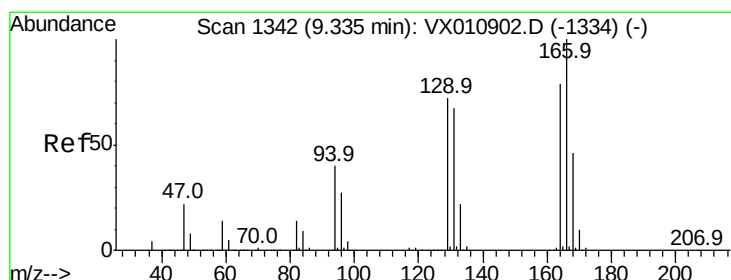
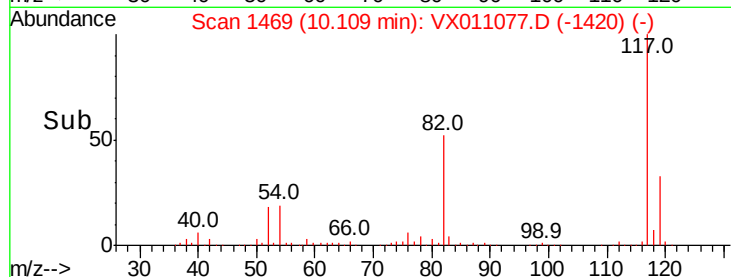
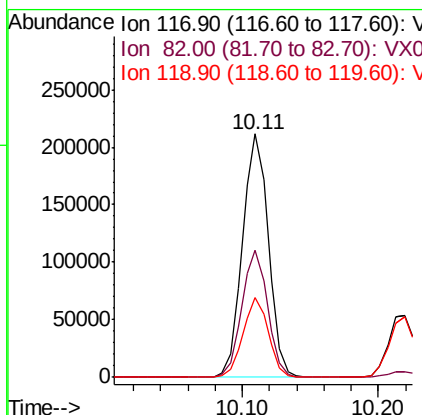
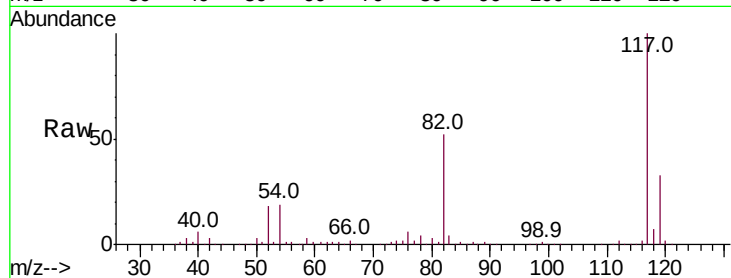
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	32.5	25.9	38.9

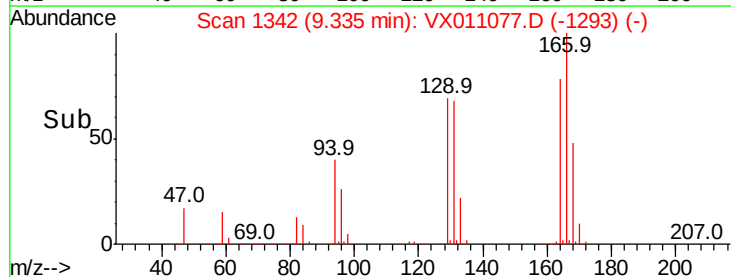
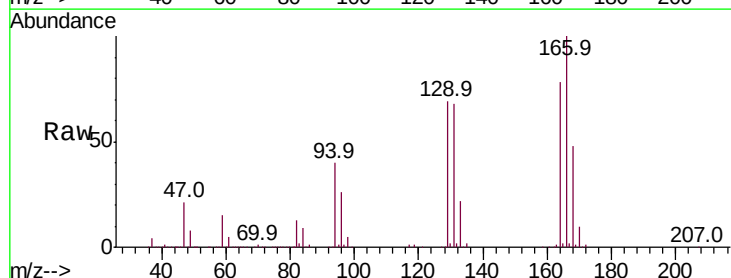
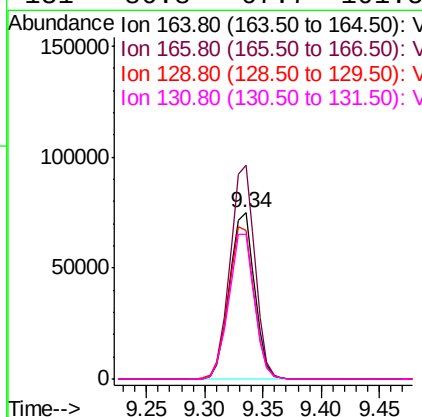
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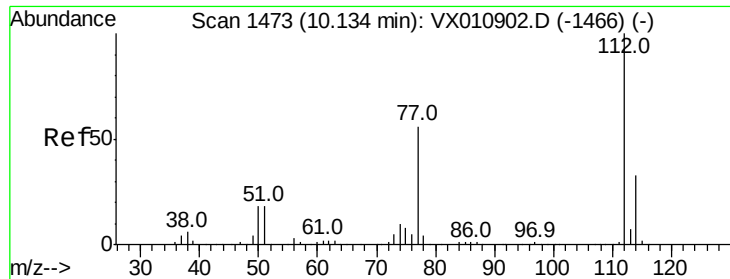
MMDadoda
7/26/2019 9:49:36 AM



#64
Tetrachloroethene
Concen: 51.100 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	100.8	151.2
129	89.3	72.6	109.0
131	86.8	67.7	101.5





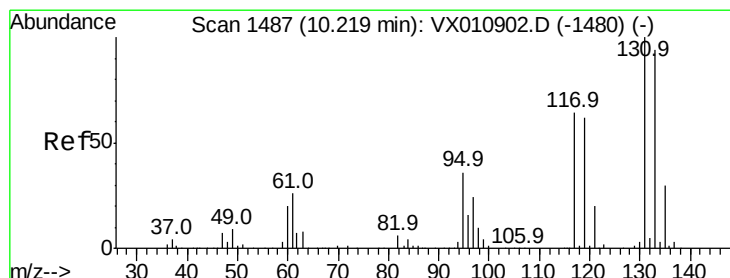
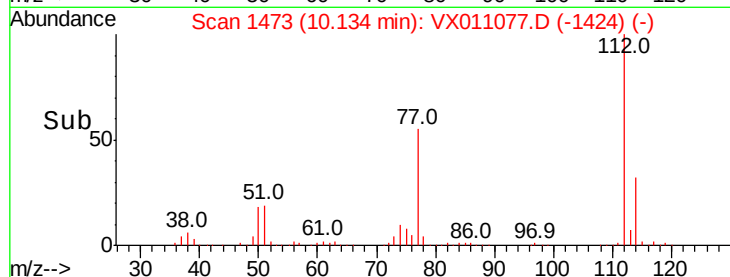
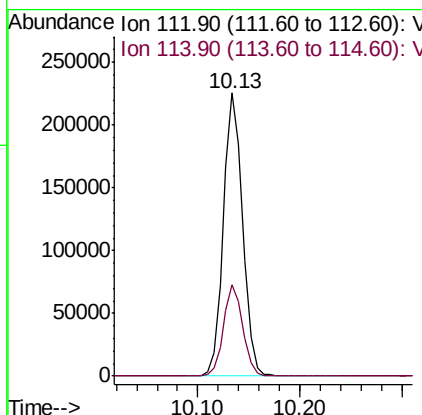
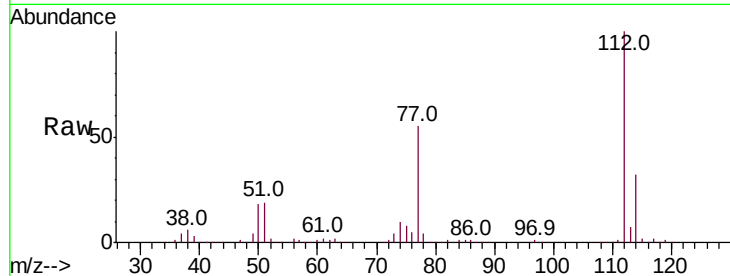
#65
Chlorobenzene
Concen: 51.231 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 296046
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.4

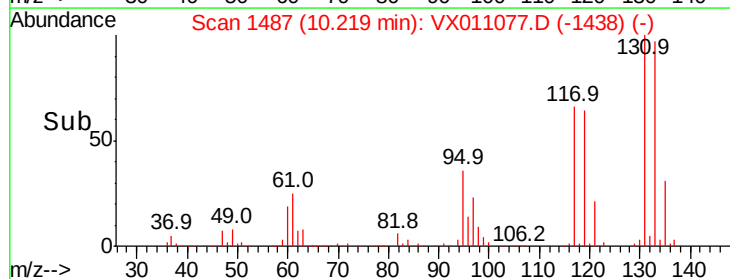
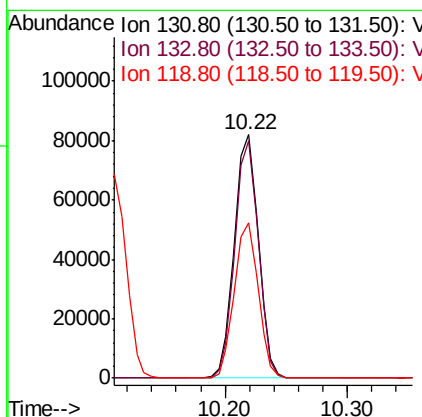
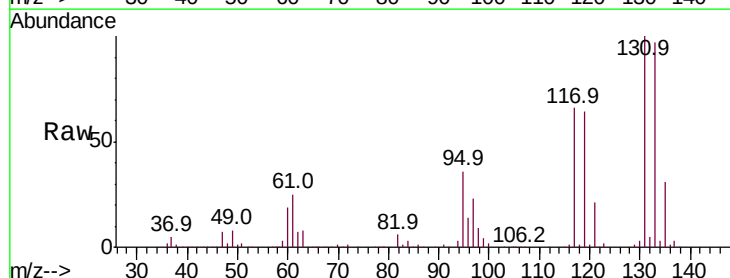
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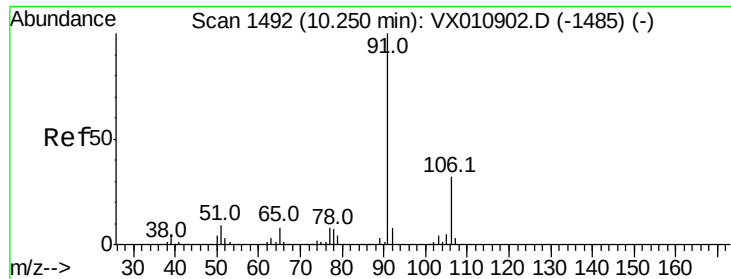
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.873 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion:131 Resp: 111444
Ion Ratio Lower Upper
131 100
133 95.3 47.1 141.4
119 63.4 31.9 95.7





#67

Ethyl Benzene

Concen: 52.553 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 516910

Ion Ratio Lower Upper

91 100

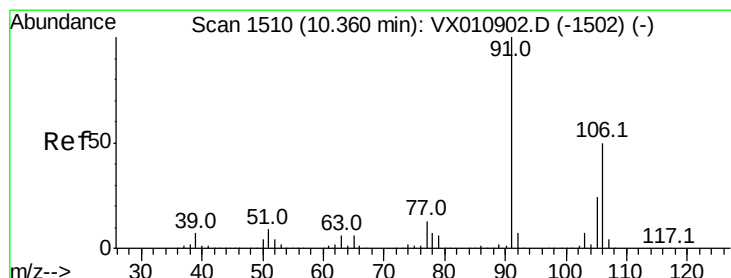
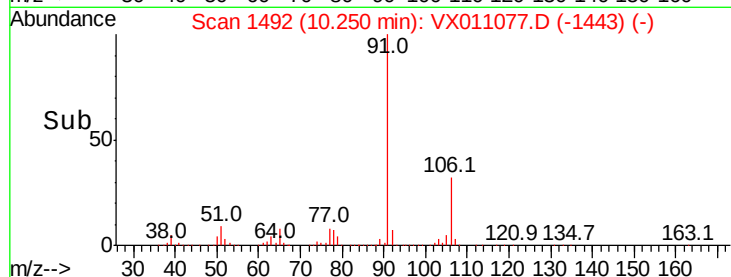
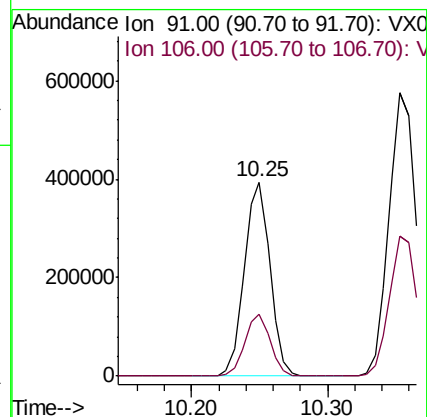
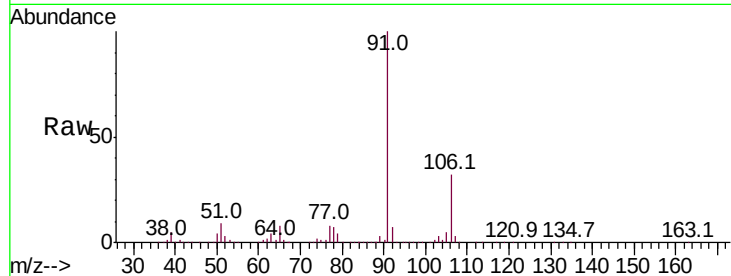
106 31.7 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.518 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011077.D

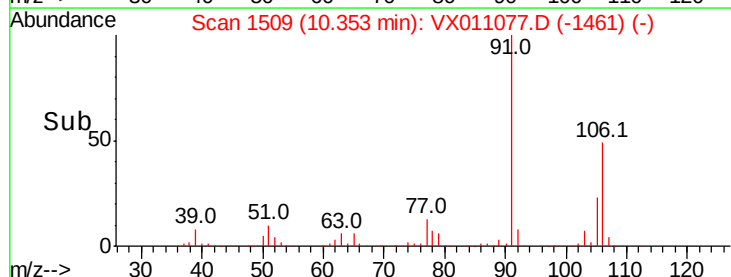
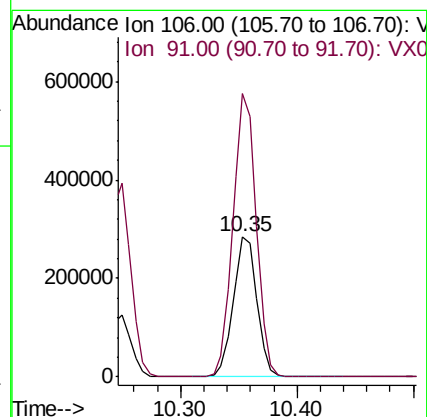
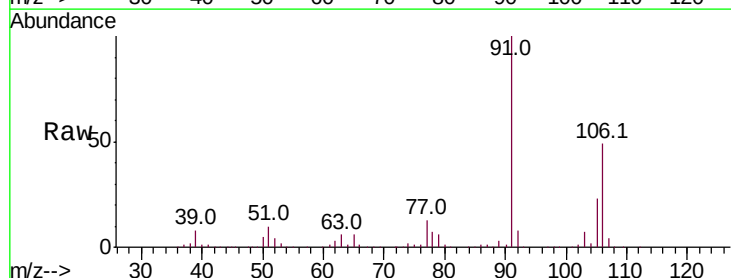
Acq: 25 Jul 2019 16:33

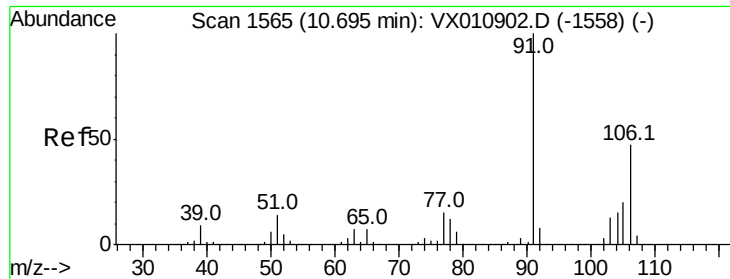
Tgt Ion: 106 Resp: 398118

Ion Ratio Lower Upper

106 100

91 200.4 160.1 240.1





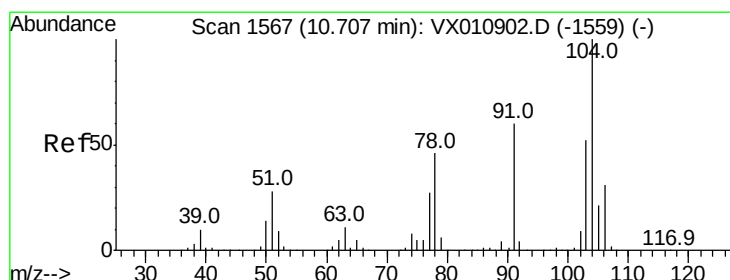
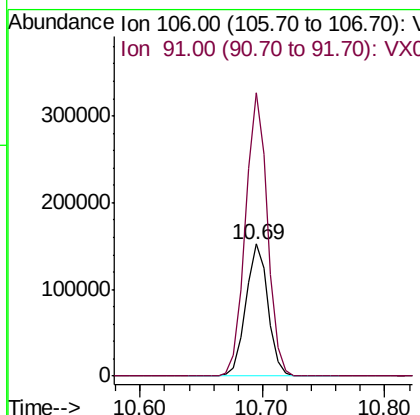
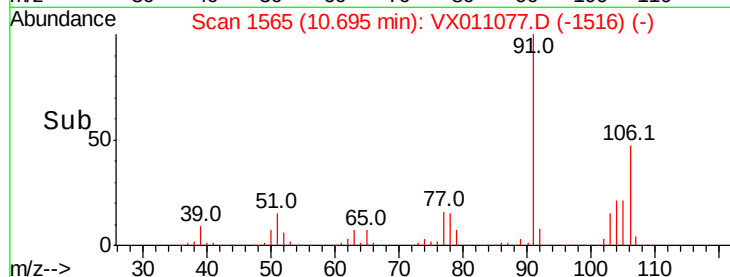
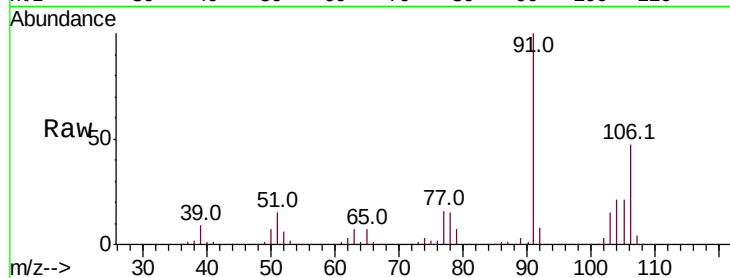
#69
o-Xylene
Concen: 51.932 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.8	105.1	315.3	

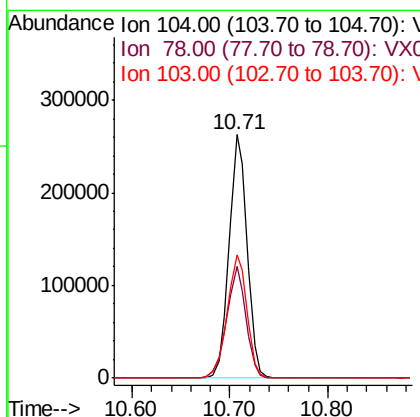
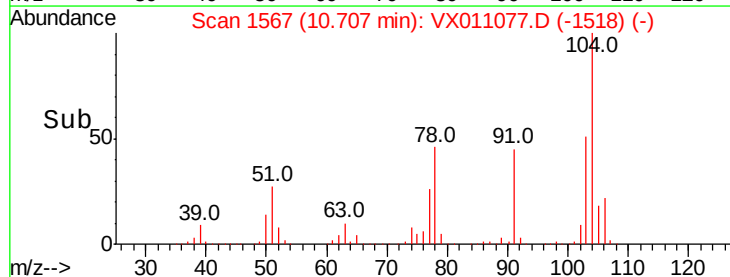
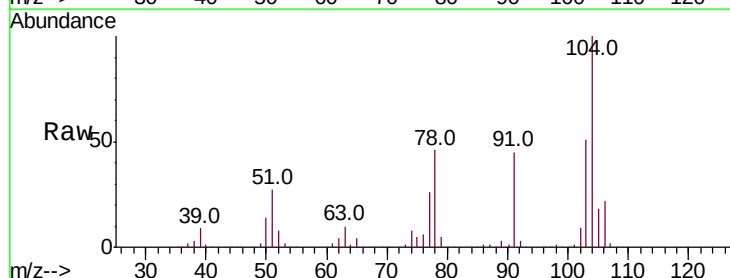
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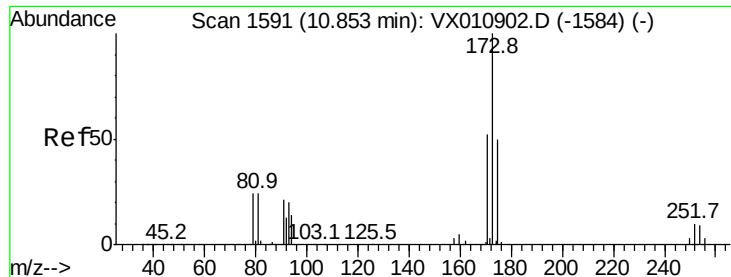
MMDadoda
7/26/2019 9:49:36 AM



#70
Styrene
Concen: 54.881 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.0	38.8	58.2	
103	55.2	44.2	66.4	





#71

Bromoform

Concen: 49.834 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 92136

Ion Ratio Lower Upper

173 100

175 47.7 24.6 73.6

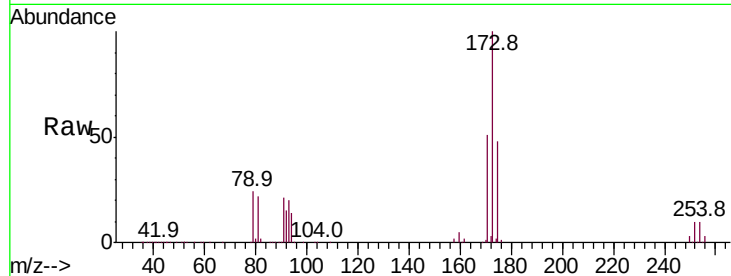
254 0.1 0.1 0.1

Manual Integrations

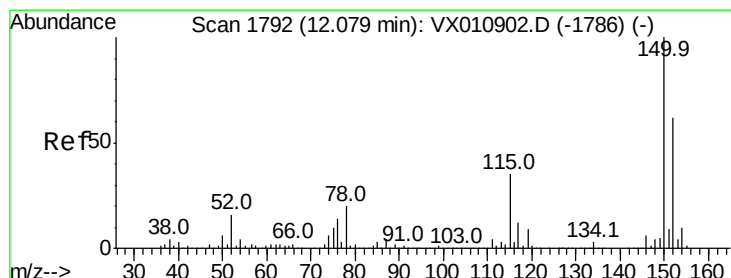
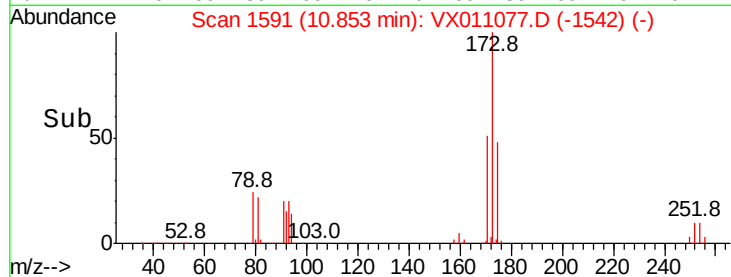
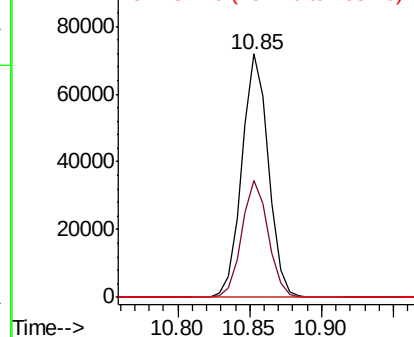
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

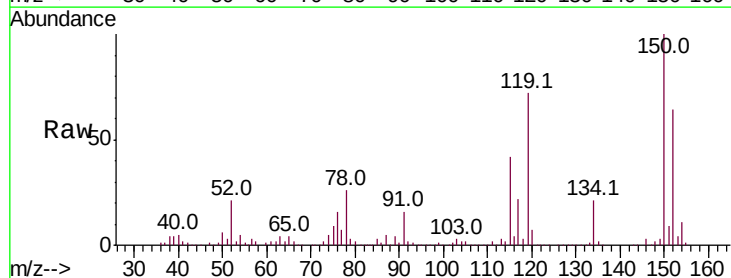
Tgt Ion:152 Resp: 155931

Ion Ratio Lower Upper

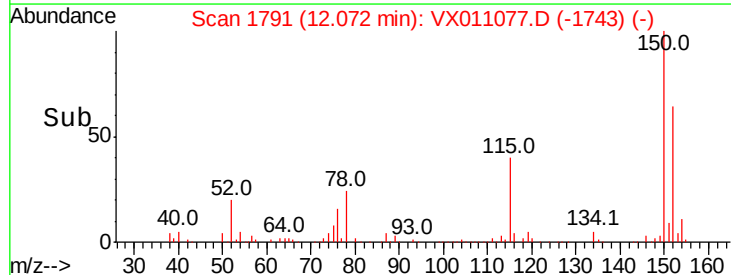
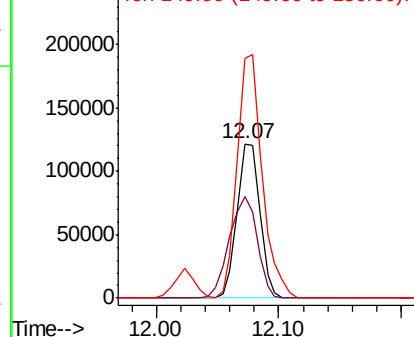
152 100

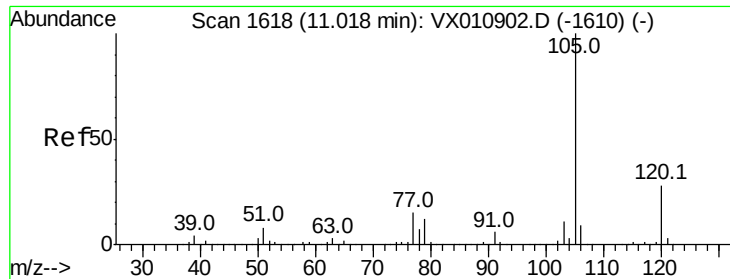
115 81.4 39.7 119.1

150 173.8 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





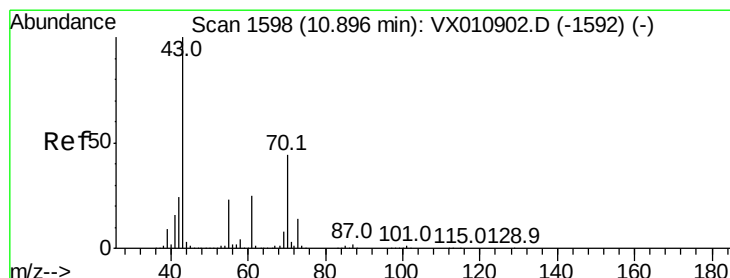
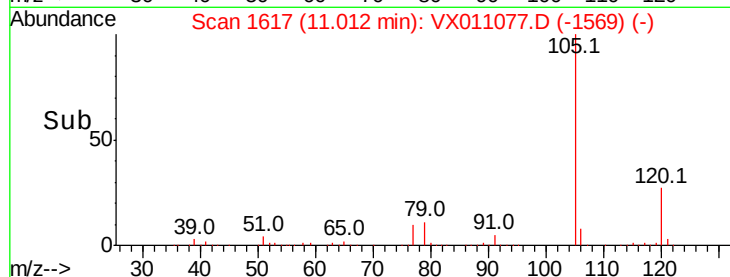
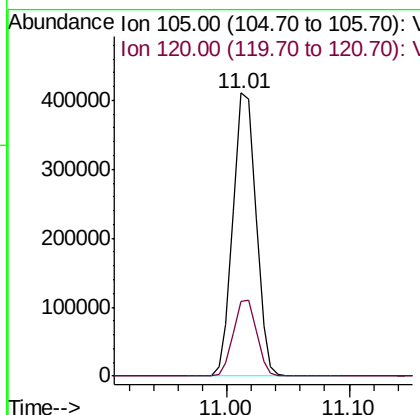
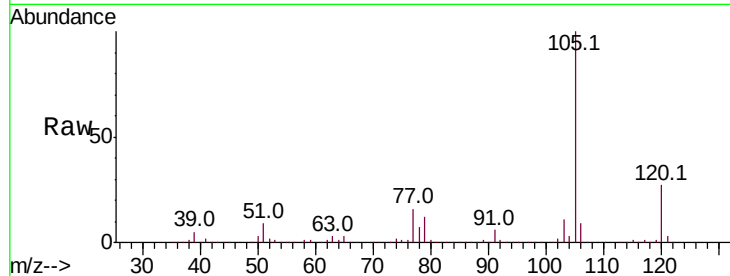
#73
Isopropylbenzene
Concen: 50.711 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 534307
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.1

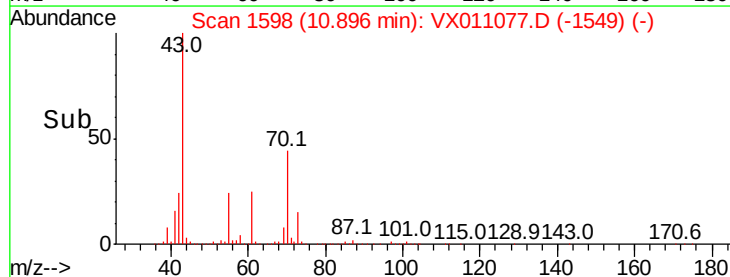
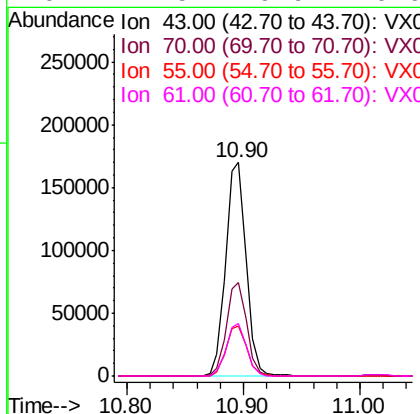
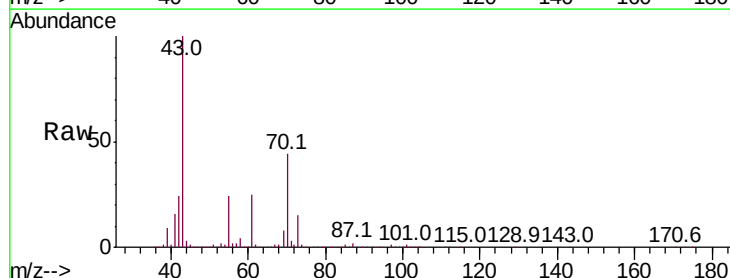
Manual Integrations
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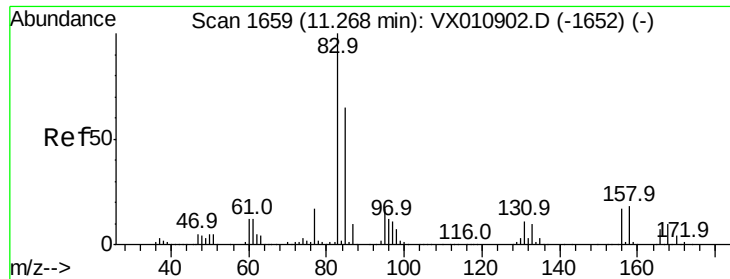
MMDadoda
7/26/2019 9:49:36 AM



#74
N-ethyl acetate
Concen: 51.226 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion: 43 Resp: 206225
Ion Ratio Lower Upper
43 100
70 43.8 34.7 52.1
55 23.9 19.1 28.7
61 24.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 49.710 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 171403

Ion Ratio Lower Upper

83 100

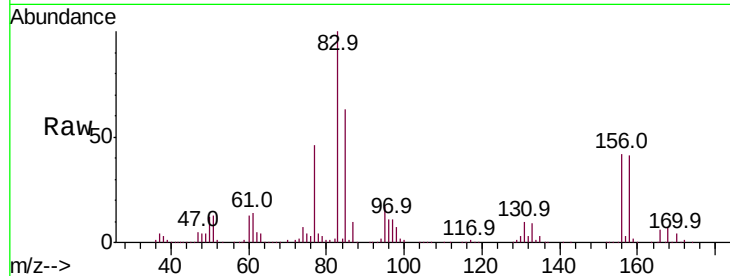
131 11.1 5.5 16.4

85 64.5 32.3 96.9

Manual Integrations
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MMDadoda

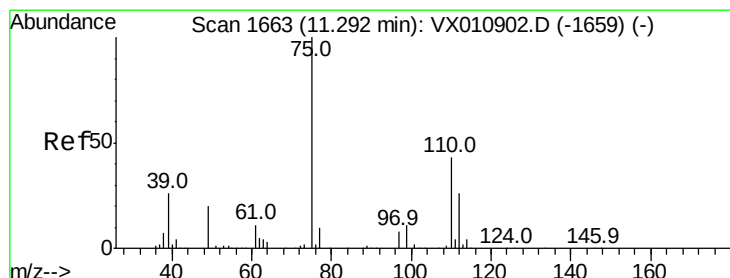
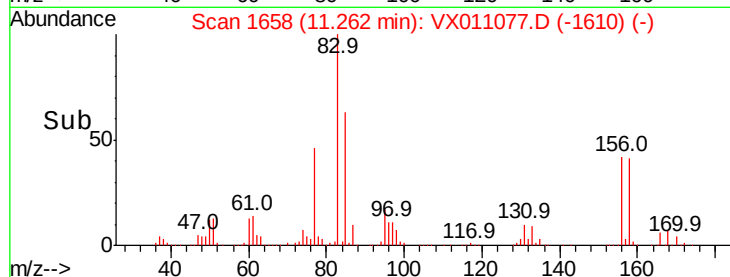
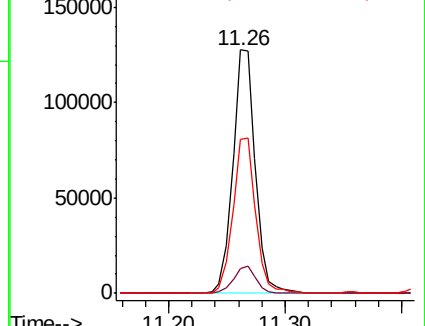
7/26/2019 9:49:36 AM



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: 51.655 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011077.D

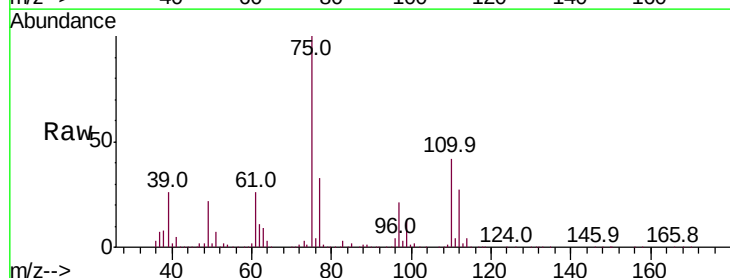
Acq: 25 Jul 2019 16:33

Tgt Ion: 75 Resp: 145350

Ion Ratio Lower Upper

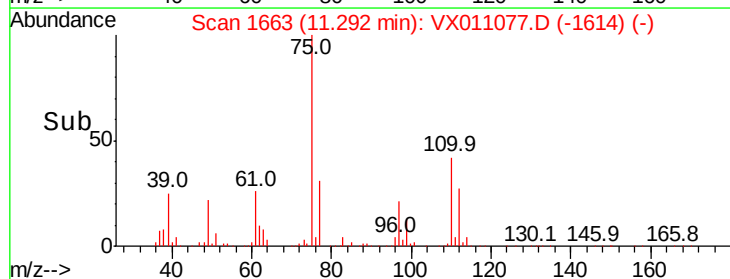
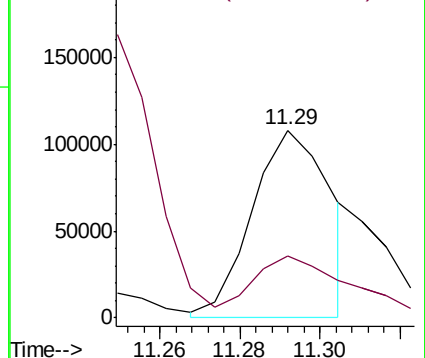
75 100

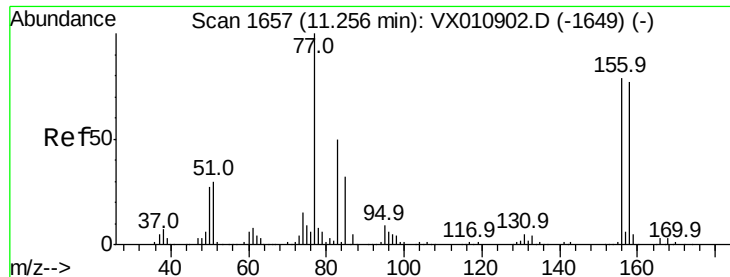
77 41.7 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.771 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 144649

Ion Ratio Lower Upper

156 100

77 137.3 68.7 206.1

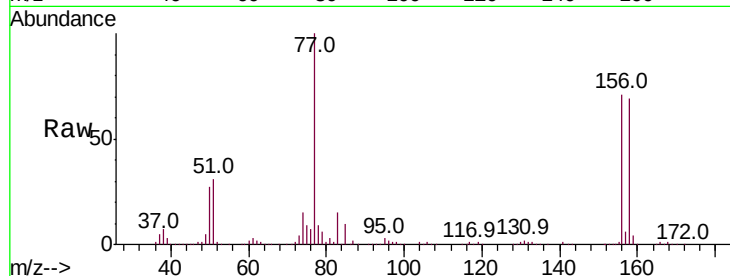
158 96.6 47.9 143.7

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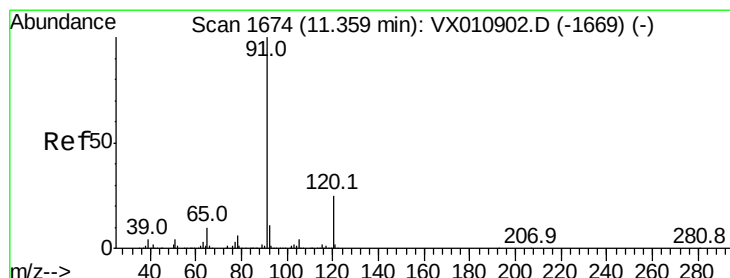
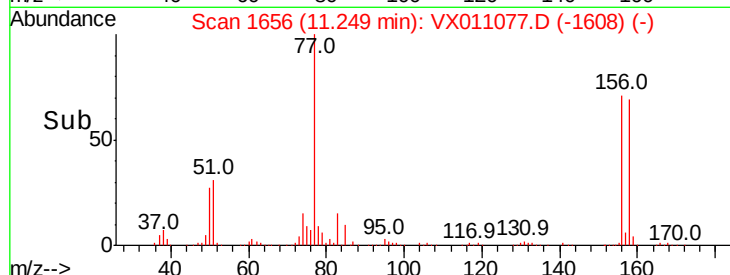
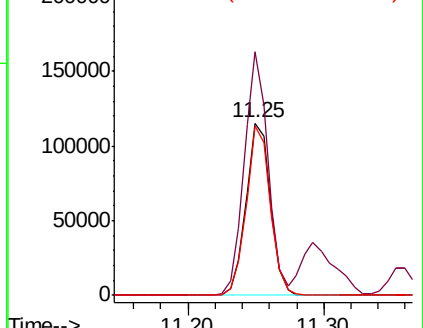
7/26/2019 9:49:36 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.813 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011077.D

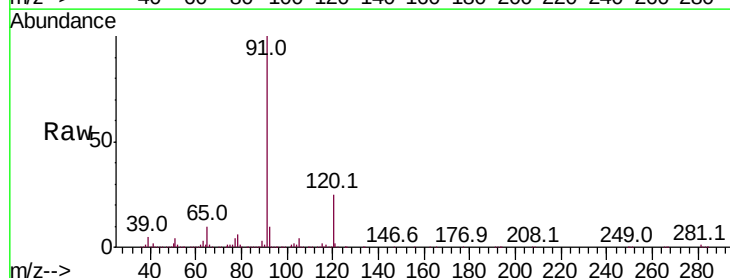
Acq: 25 Jul 2019 16:33

Tgt Ion: 91 Resp: 603191

Ion Ratio Lower Upper

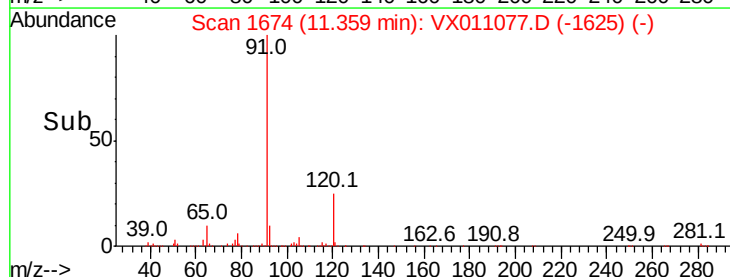
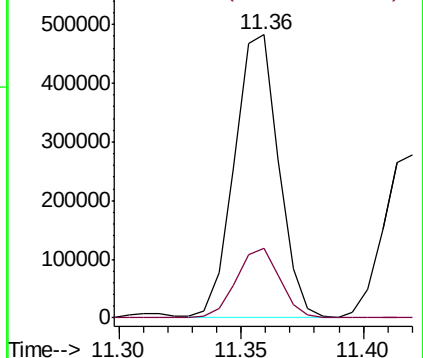
91 100

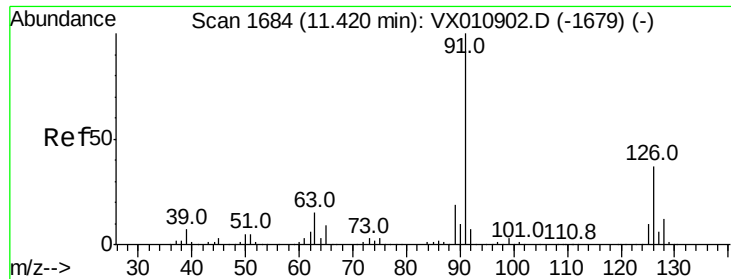
120 24.3 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.086 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 357262

Ion Ratio Lower Upper

91 100

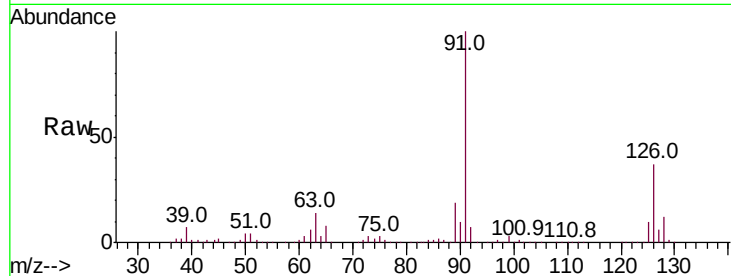
126 36.2 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)

500000

400000

300000

200000

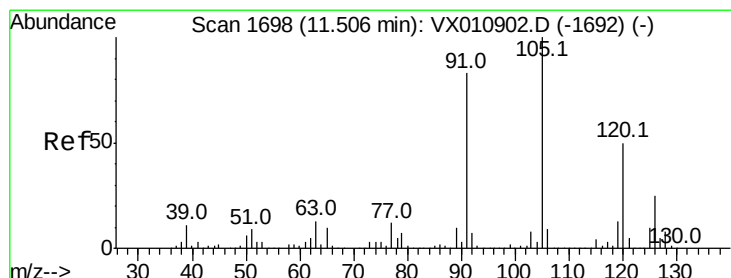
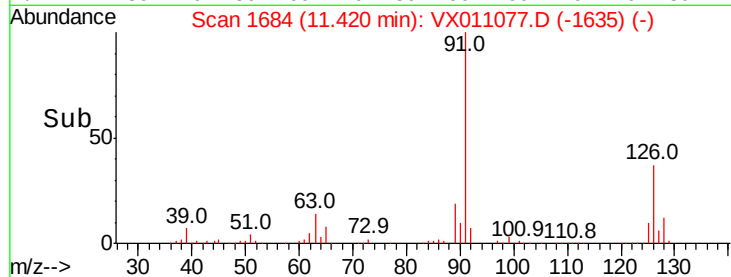
100000

0

11.40

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.712 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011077.D

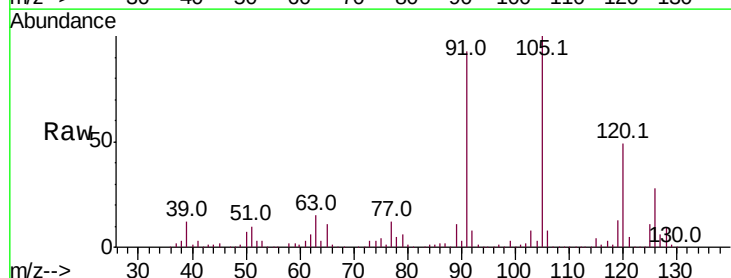
Acq: 25 Jul 2019 16:33

Tgt Ion: 105 Resp: 455280

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)

400000

300000

200000

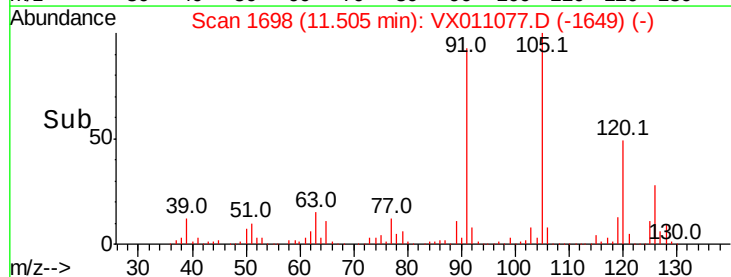
100000

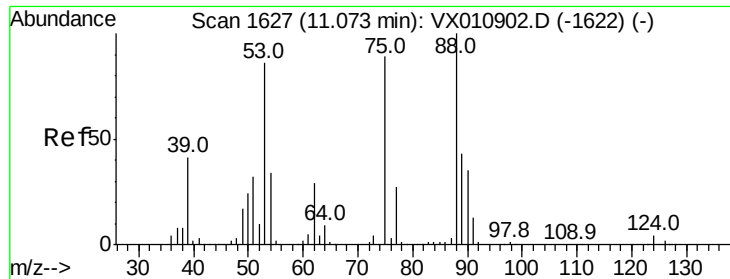
0

11.50

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.718 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

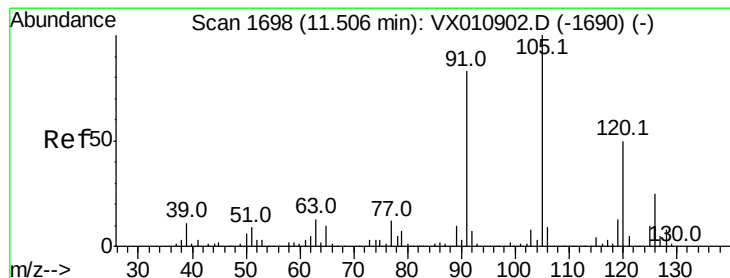
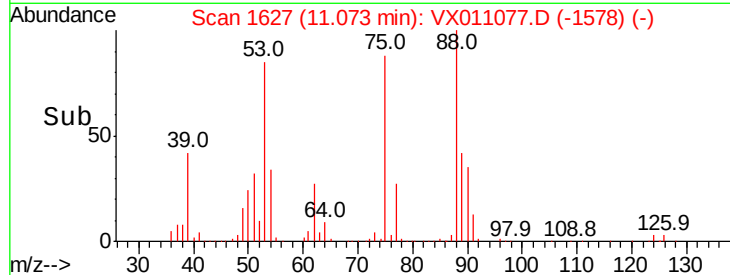
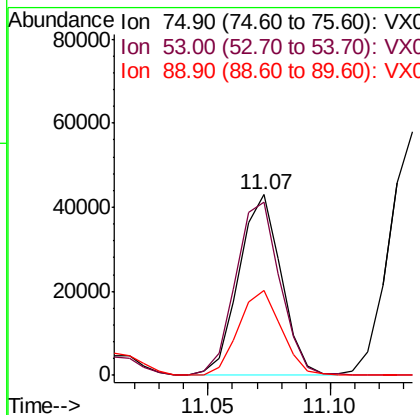
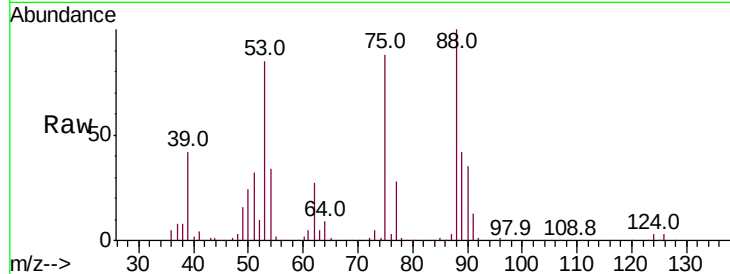
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	51571
Ion	Ratio	Lower	Upper
75	100		
53	101.2	76.7	115.1
89	48.0	38.5	57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.818 ug/l

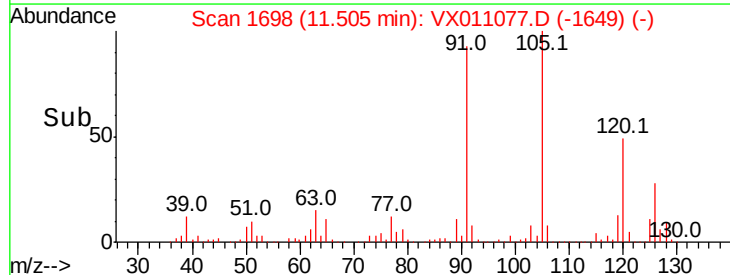
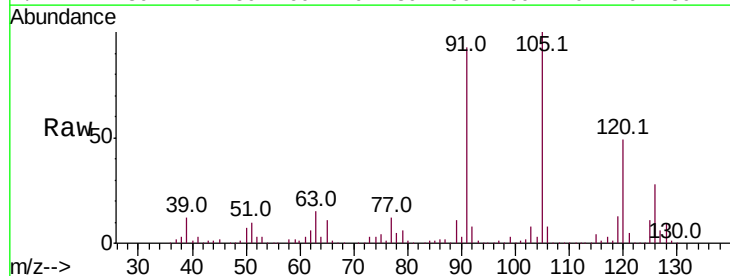
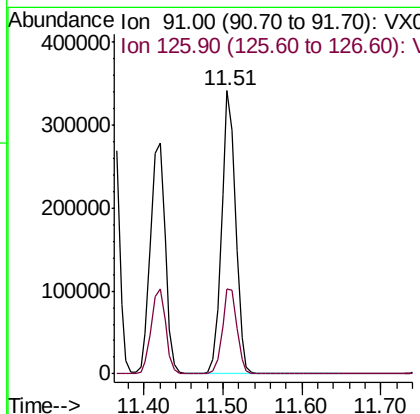
RT: 11.51 min Scan# 1698

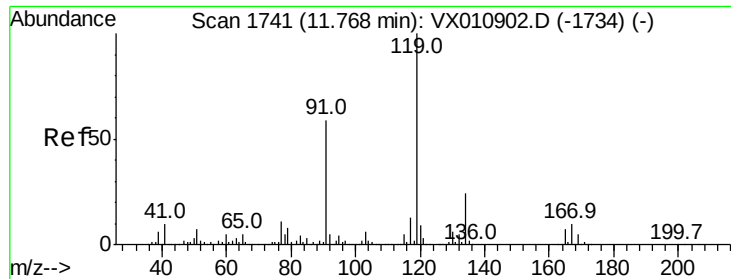
Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	91	Resp:	421777
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.7





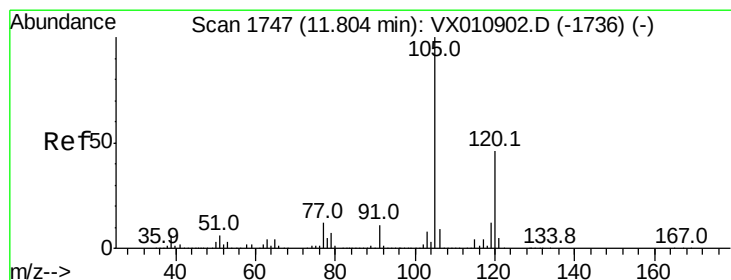
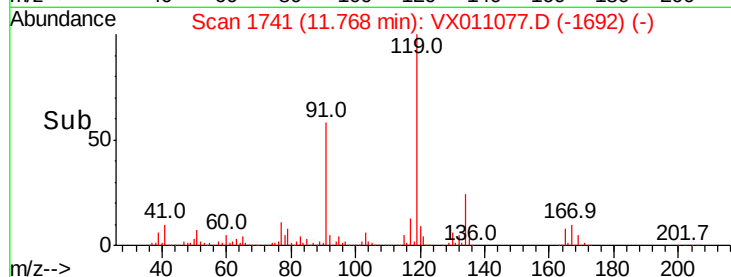
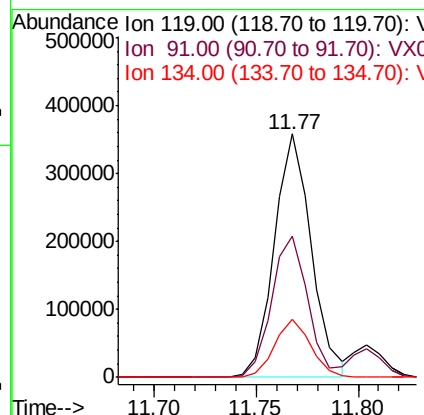
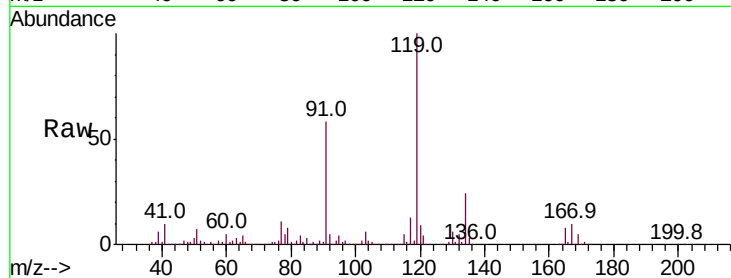
#83
 tert-Butylbenzene
 Concen: 52.414 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	57.5	28.6	85.8	
134	23.3	11.6	34.8	

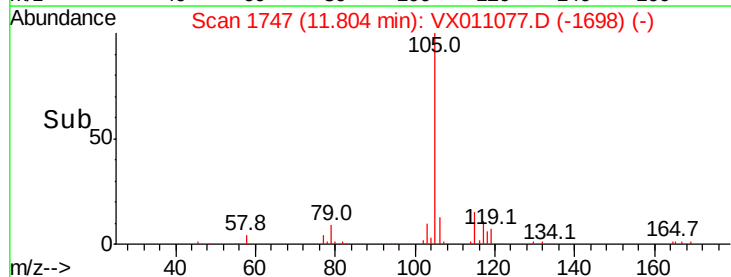
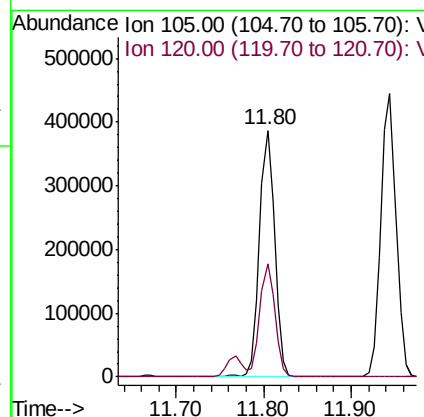
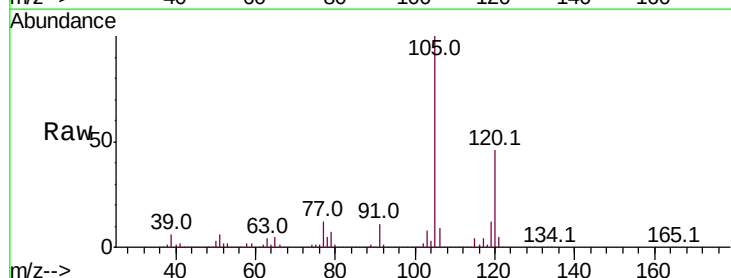
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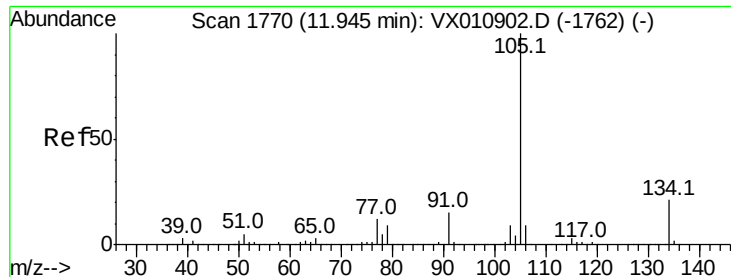
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.205 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.6	22.9	68.5	





#85

sec-Butylbenzene

Concen: 53.722 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 544367

Ion Ratio Lower Upper

105 100

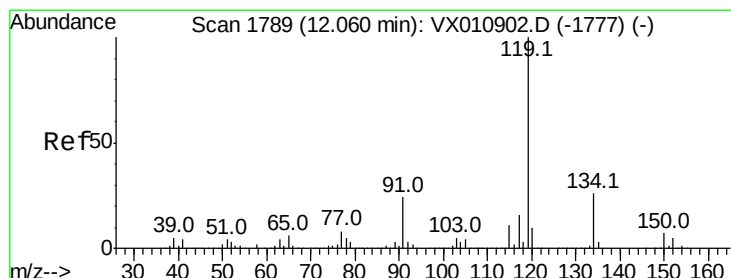
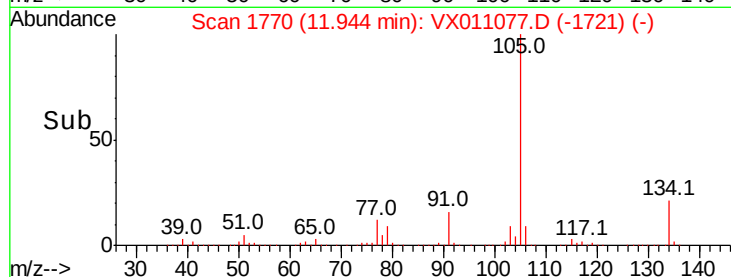
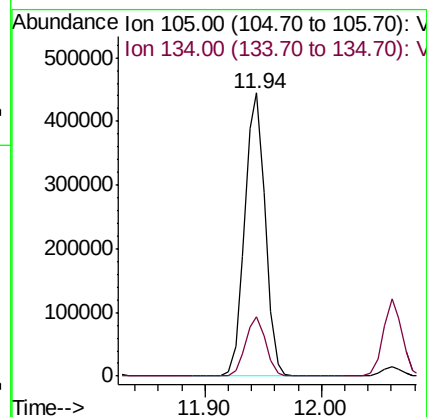
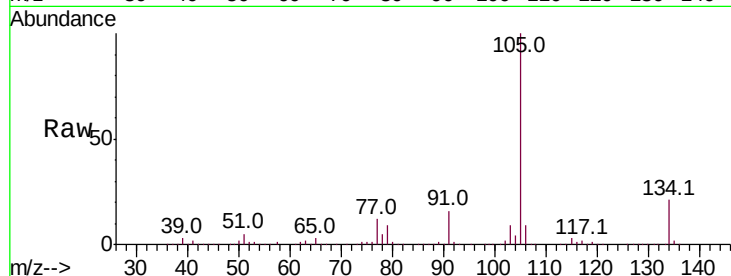
134 20.9 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 54.190 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

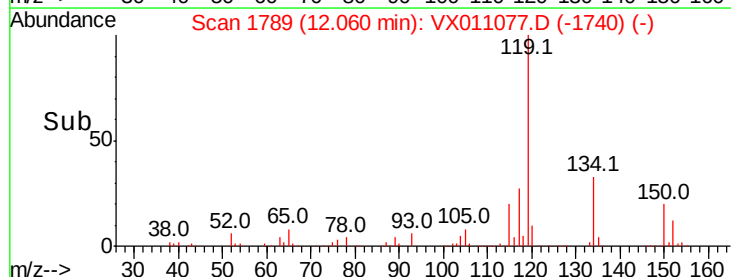
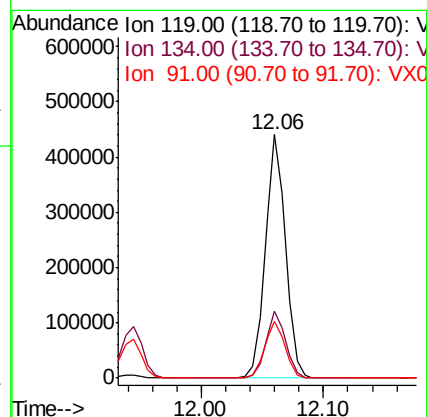
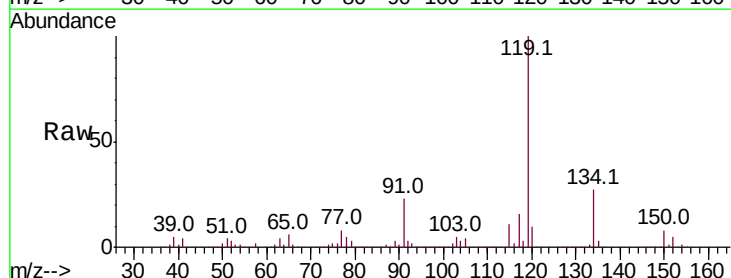
Tgt Ion:119 Resp: 507647

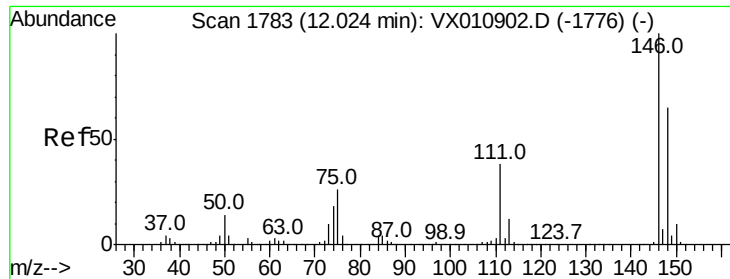
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.7 11.8 35.4





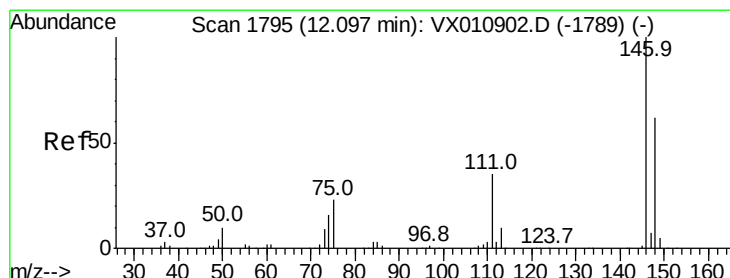
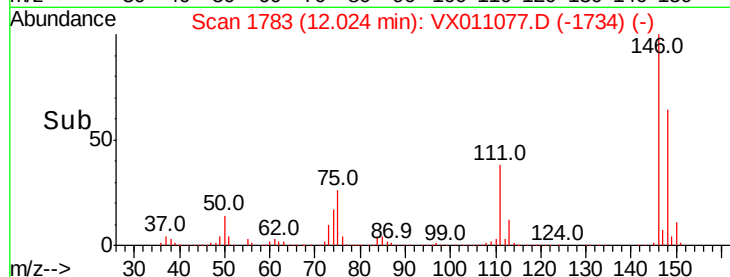
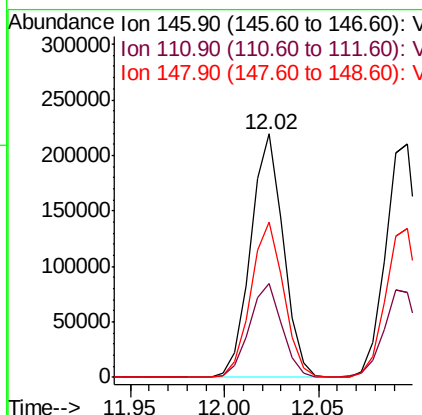
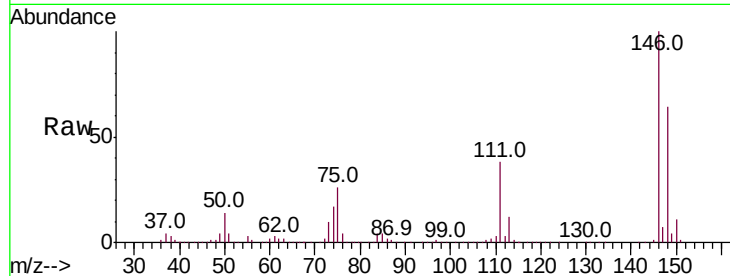
#87
 1,3-Dichlorobenzene
 Concen: 52.250 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.9
148	64.0	32.2	96.6

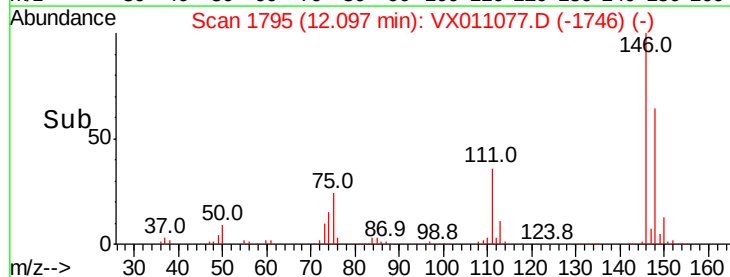
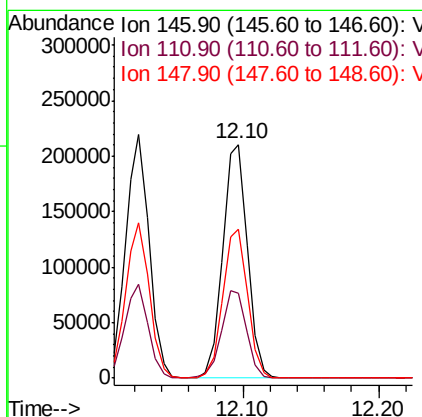
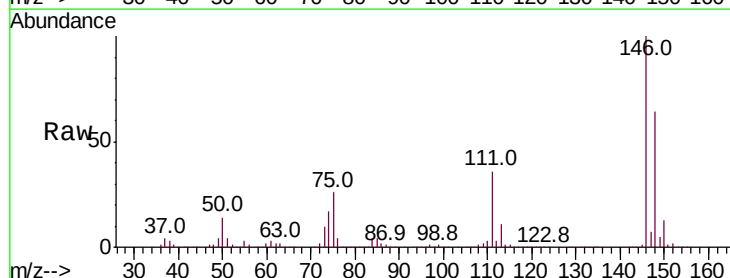
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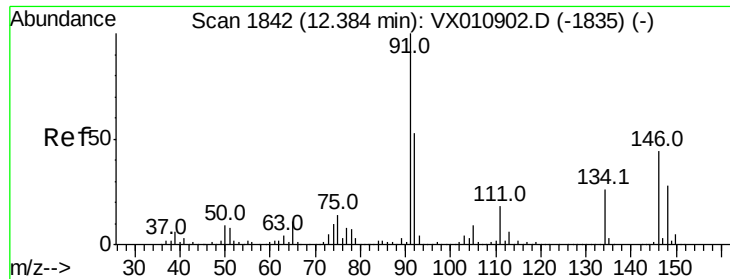
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#88
 1,4-Dichlorobenzene
 Concen: 50.978 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.0	31.6	94.7





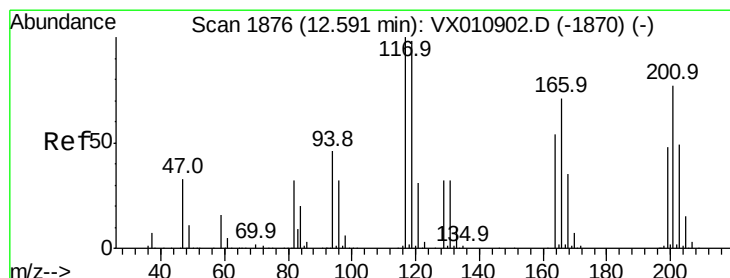
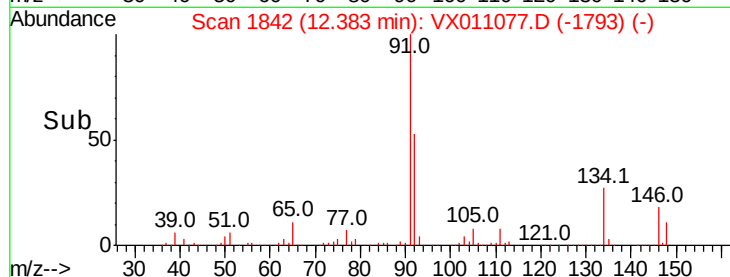
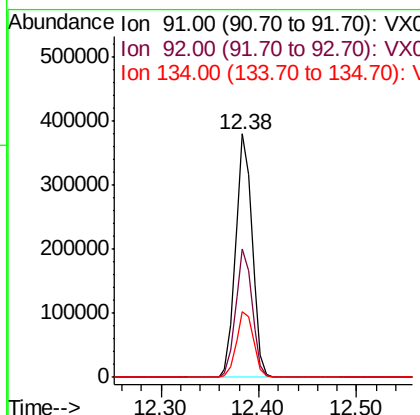
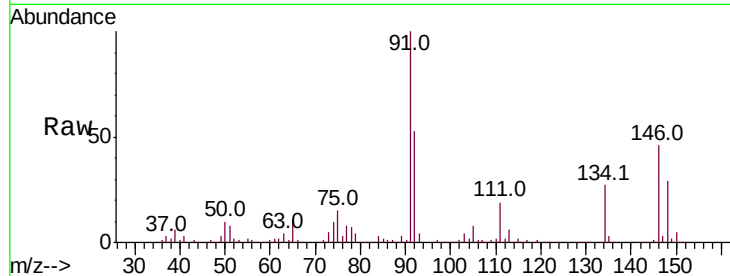
#89
n-Butylbenzene
Concen: 55.710 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.2	78.5
134	27.8	13.8	41.3

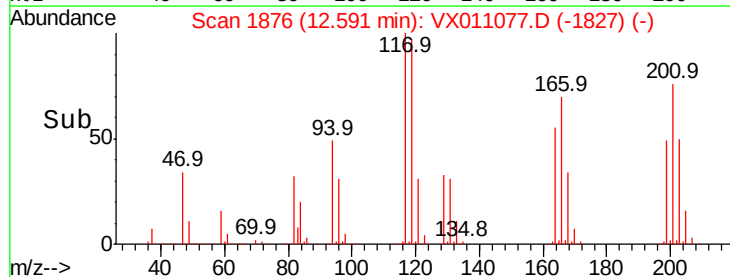
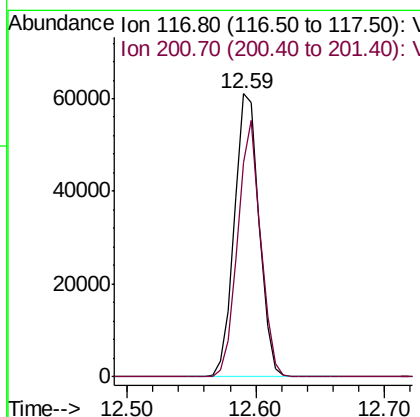
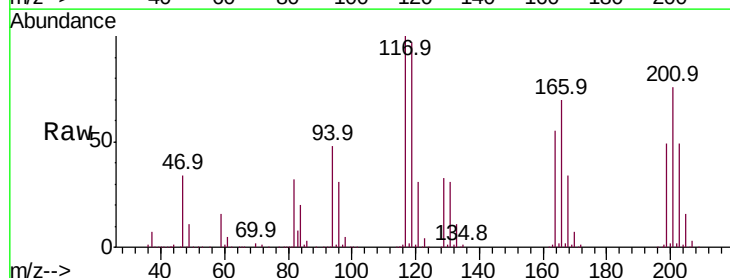
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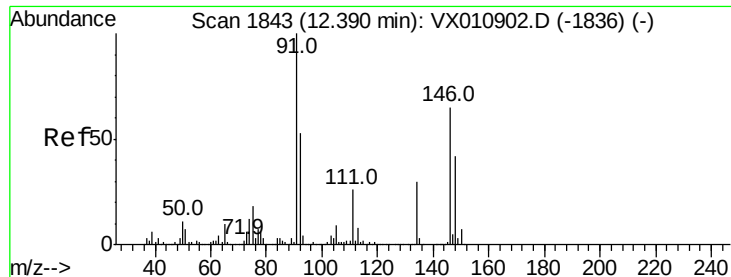
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#90
Hexachloroethane
Concen: 55.411 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011077.D
Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	43.3	129.8





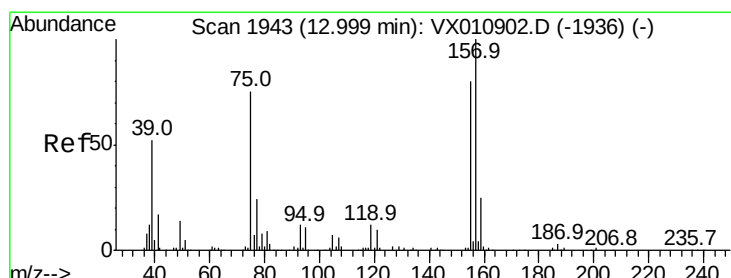
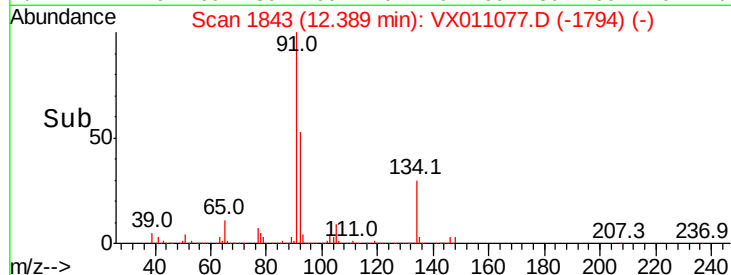
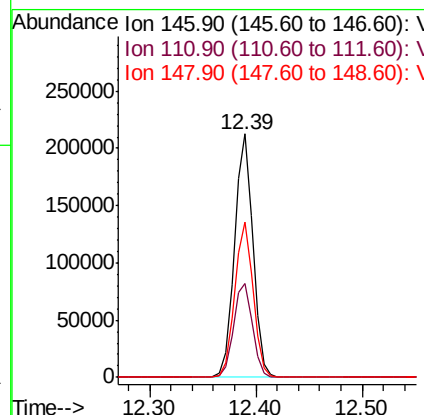
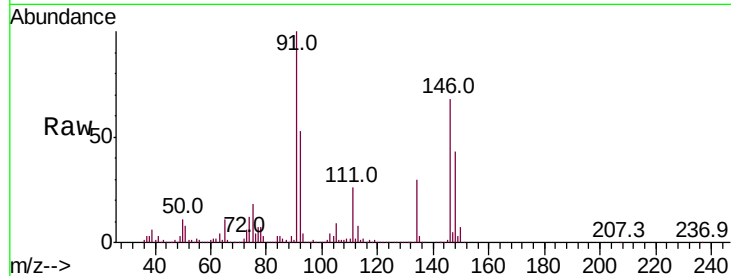
#91
 1,2-Dichlorobenzene
 Concen: 51.628 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.7
148	63.8	32.0	96.2

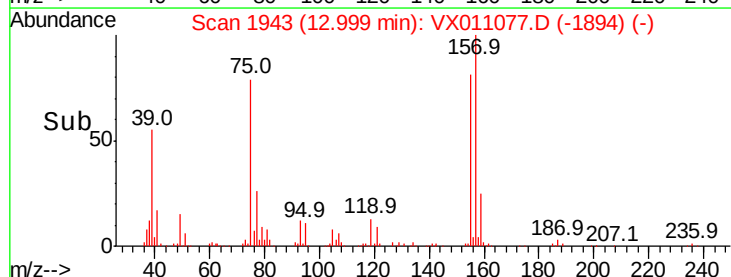
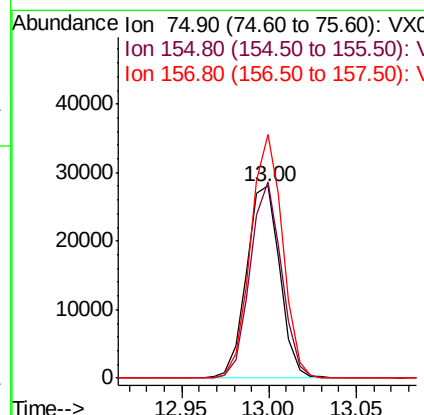
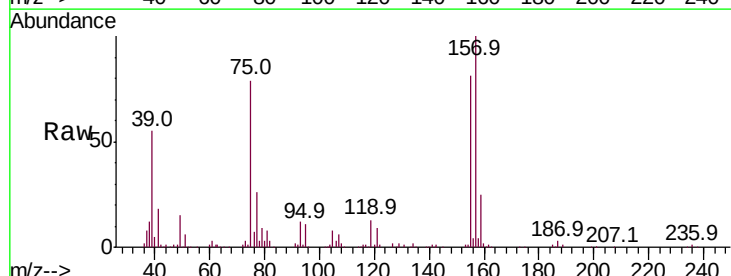
Manual Integrations
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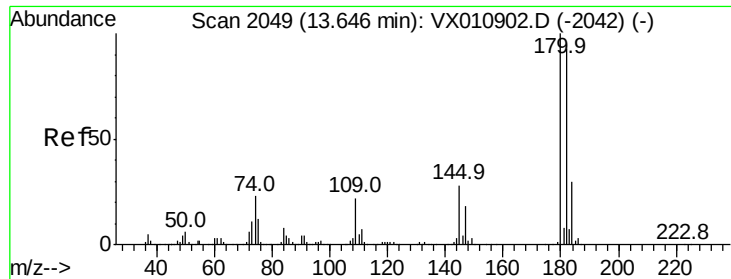
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 7/26/2019 9:49:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.352 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	48.7	146.1
157	121.8	62.5	187.6





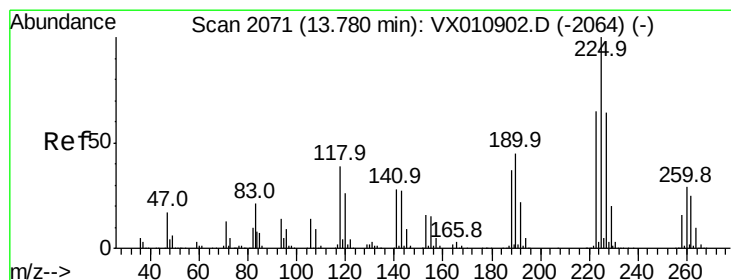
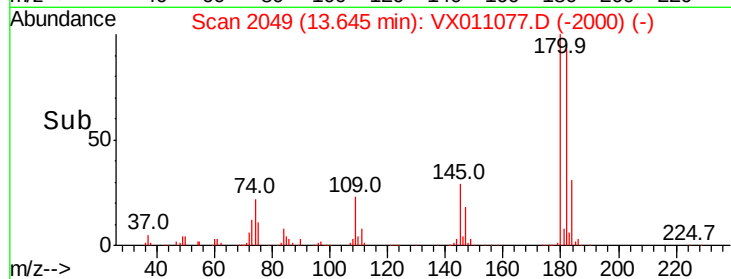
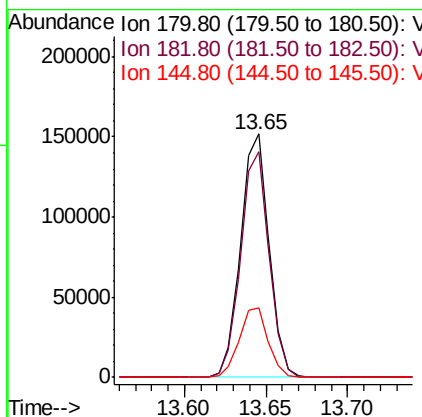
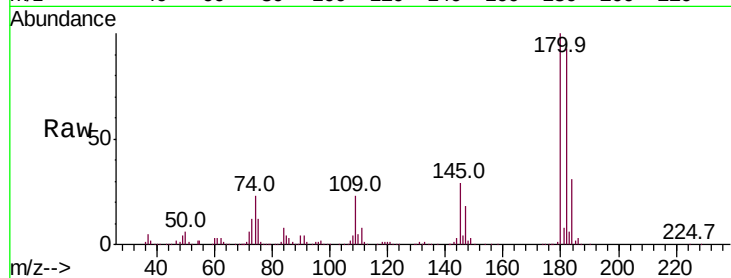
#93
 1,2,4-Trichlorobenzene
 Concen: 54.540 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.5	47.1	141.3	
145	29.0	14.8	44.4	

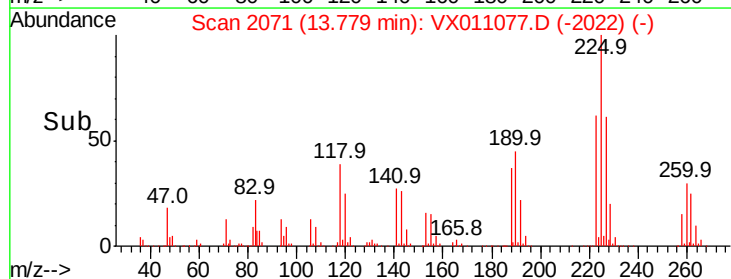
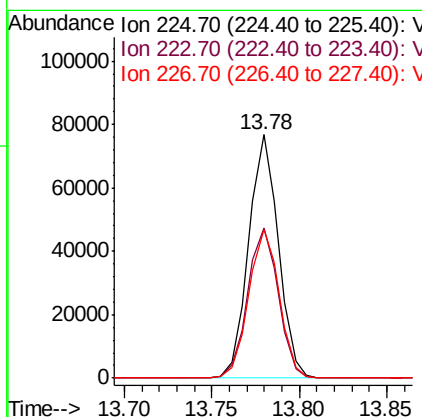
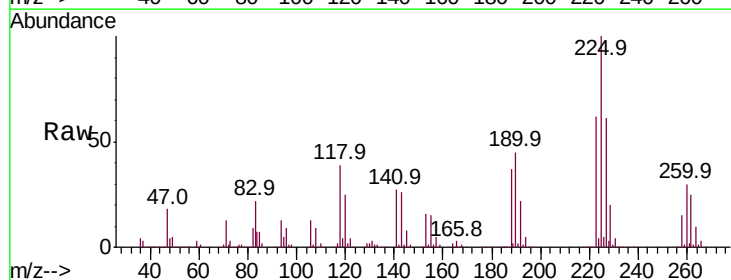
Manual Integrations
 APPROVED

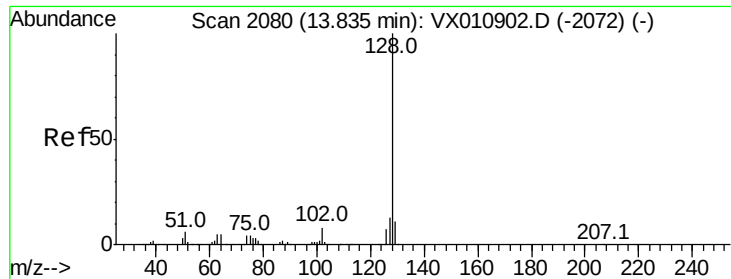
MMDadoda
 7/26/2019 9:49:36 AM



#94
 Hexachlorobutadiene
 Concen: 53.990 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011077.D
 Acq: 25 Jul 2019 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.9	95.9	
227	62.7	32.5	97.4	





#95

Naphthalene

Concen: 52.114 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Instrument :

MSVOA_X

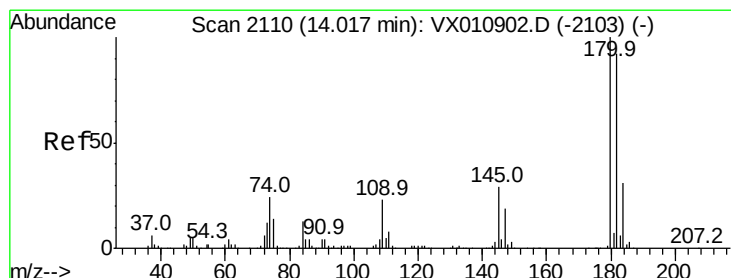
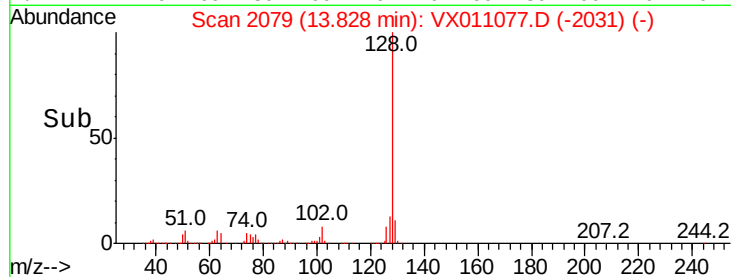
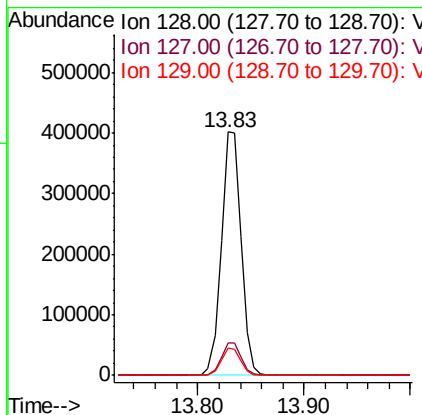
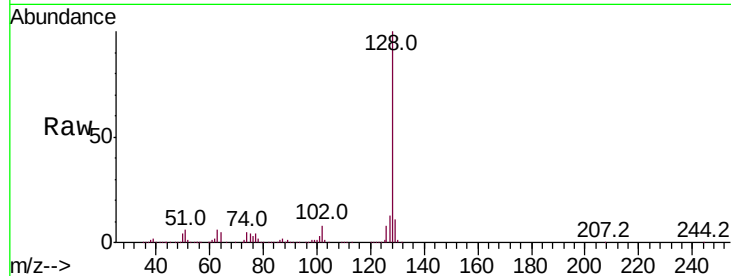
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	521308
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/26/2019 9:49:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.798 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011077.D

Acq: 25 Jul 2019 16:33

Tgt Ion:	180	Resp:	181332
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.4	142.3
145	31.5	15.1	45.3

