

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073119\
 Data File : VX011257.D
 Acq On : 31 Jul 2019 21:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/1/2019 12:01:11 PM

Quant Time: Aug 01 03:42:54 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	5.67	168	181335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	264531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	136264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96829	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	5.50	113	86576	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	8.71	98	317214	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.13	95	123258	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	81739	42.357	ug/l	98
3) Chloromethane	1.33	50	74850	44.886	ug/l	97
4) Vinyl Chloride	1.41	62	82196	48.325	ug/l	98
5) Bromomethane	1.64	94	44700	46.636	ug/l	99
6) Chloroethane	1.71	64	54734	50.637	ug/l	96
7) Trichlorofluoromethane	1.93	101	147715	51.304	ug/l	99
8) Diethyl Ether	2.19	74	51015	51.426	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80365	48.885	ug/l	99
10) Methyl Iodide	2.51	142	102446	47.488	ug/l	99
11) Tert butyl alcohol	3.05	59	110883	246.804	ug/l	100
12) 1,1-Dichloroethene	2.37	96	77767	48.147	ug/l	97
13) Acrolein	2.29	56	79542	306.431	ug/l	99
14) Allyl chloride	2.73	41	114946	48.994	ug/l	98
15) Acrylonitrile	3.14	53	238535	262.748	ug/l	99
16) Acetone	2.45	43	200006	229.552	ug/l	97
17) Carbon Disulfide	2.57	76	161469	38.972	ug/l	100
18) Methyl Acetate	2.78	43	115819	58.378	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	275551	52.994	ug/l	98
20) Methylene Chloride	2.85	84	89776	48.621	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	81668	47.653	ug/l	98
22) Diisopropyl ether	3.85	45	259006	52.344	ug/l	98
23) Vinyl Acetate	3.82	43	1089613	259.893	ug/l	99
24) 1,1-Dichloroethane	3.70	63	145521	50.640	ug/l	99
25) 2-Butanone	4.67	43	326757	261.255	ug/l	98
26) 2,2-Dichloropropane	4.59	77	104769	44.403	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	99204	50.016	ug/l	97
28) Bromochloromethane	5.01	49	70858	52.326	ug/l	98
29) Tetrahydrofuran	5.13	42	207689	262.148	ug/l	100
30) Chloroform	5.21	83	162100	52.188	ug/l	100
31) Cyclohexane	5.58	56	121960	46.562	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	142425	53.000	ug/l	100
36) 1,1-Dichloropropene	5.80	75	108570	49.966	ug/l	99
37) Ethyl Acetate	4.83	43	120496	54.156	ug/l	99
38) Carbon Tetrachloride	5.79	117	121257	53.553	ug/l	98

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 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)
39) Methylcyclohexane	7.46	83	133119	47.242	ug/l	99
40) Benzene	6.14	78	340975	51.228	ug/l	100
41) Methacrylonitrile	5.04	41	69346	54.903	ug/l	96
42) 1,2-Dichloroethane	6.20	62	125824	54.369	ug/l	98
43) Isopropyl Acetate	6.45	43	199383	54.498	ug/l	99
44) Trichloroethene	7.21	130	100043	50.778	ug/l	98
45) 1,2-Dichloropropane	7.51	63	88428	52.198	ug/l	98
46) Dibromomethane	7.66	93	66333	54.797	ug/l	96
47) Bromodichloromethane	7.90	83	119660	55.531	ug/l	98
48) Methyl methacrylate	7.77	41	97167	54.519	ug/l	98
49) 1,4-Dioxane	7.74	88	50594	1014.850	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	681936	287.544	ug/l	100
52) Toluene	8.79	92	227272	51.977	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	128433	55.431	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	136623	52.991	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	98725	54.836	ug/l	99
56) Ethyl methacrylate	9.18	69	147696	56.084	ug/l	98
57) 1,3-Dichloropropane	9.37	76	154008	53.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	354098	281.671	ug/l	99
59) 2-Hexanone	9.49	43	535148	290.929	ug/l	99
60) Dibromochloromethane	9.58	129	104826	50.562	ug/l	99
61) 1,2-Dibromoethane	9.67	107	105585	55.261	ug/l	99
64) Tetrachloroethene	9.34	164	97756	50.218	ug/l	93
65) Chlorobenzene	10.13	112	260917	51.337	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	98691	55.251	ug/l	99
67) Ethyl Benzene	10.25	91	453547	52.428	ug/l	99
68) m/p-Xylenes	10.36	106	347038	104.580	ug/l	99
69) o-Xylene	10.69	106	170503	52.647	ug/l	100
70) Styrene	10.71	104	299235	55.427	ug/l	99
71) Bromoform	10.85	173	79391	48.875	ug/l	99
73) Isopropylbenzene	11.02	105	472412	51.308	ug/l	99
74) N-amyl acetate	10.90	43	186936	53.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	160944	53.414	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	134666m	54.766	ug/l	
77) Bromobenzene	11.26	156	127223	50.094	ug/l	98
78) n-propylbenzene	11.36	91	523696	51.477	ug/l	100
79) 2-Chlorotoluene	11.42	91	316064	51.717	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	394529	51.280	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43371	45.110	ug/l	96
82) 4-Chlorotoluene	11.51	91	364123	51.191	ug/l	100
83) tert-Butylbenzene	11.77	119	393453	52.064	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	402591	51.917	ug/l	100
85) sec-Butylbenzene	11.94	105	466838	52.721	ug/l	99
86) p-Isopropyltoluene	12.06	119	431304	52.686	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	227113	51.529	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	228384	50.524	ug/l	98
89) n-Butylbenzene	12.38	91	373646	53.350	ug/l	99
90) Hexachloroethane	12.59	117	67108	51.973	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	229100	52.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35110	55.744	ug/l	95

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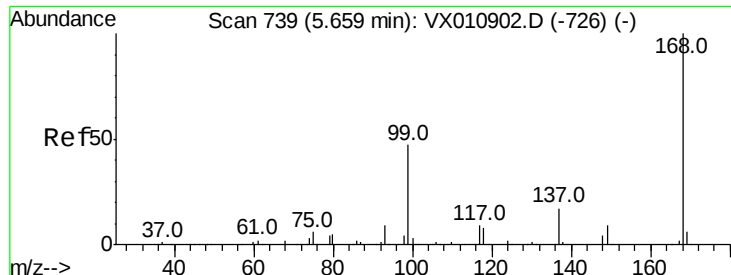
Manual Integrations
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8/1/2019 12:01:11 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	155962	52.684	ug/l	98
94) Hexachlorobutadiene	13.78	225	76789	52.345	ug/l	98
95) Naphthalene	13.83	128	494877	56.612	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162418	55.141	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 181335

Ion Ratio Lower Upper

168 100

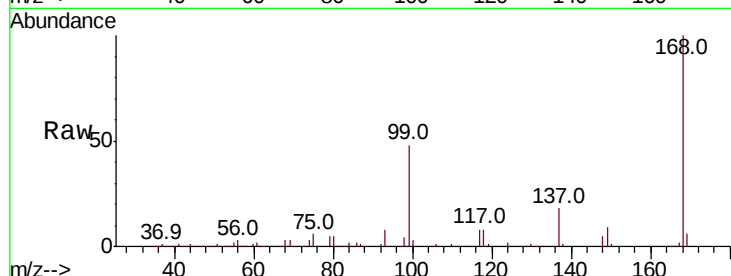
99 48.2 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

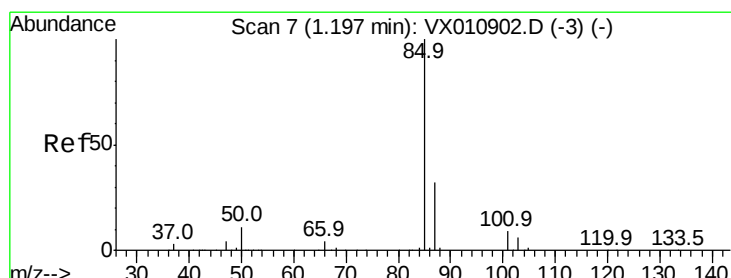
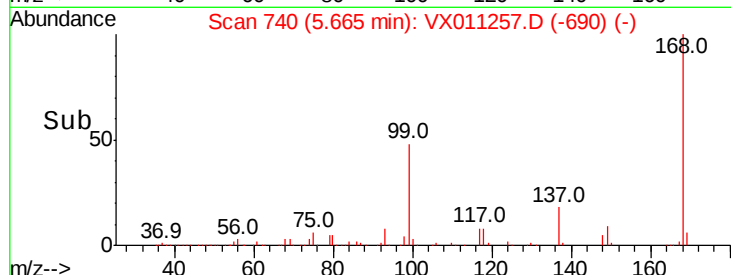
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 42.357 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX011257.D

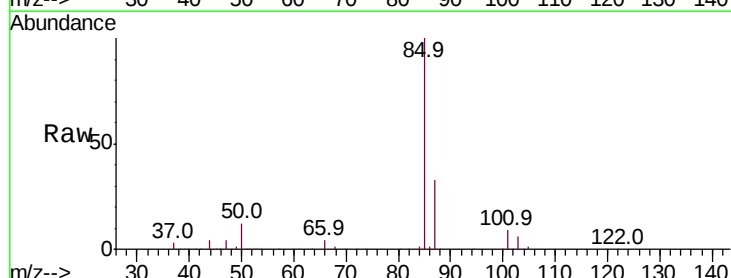
Acq: 31 Jul 2019 21:10

Tgt Ion: 85 Resp: 81739

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

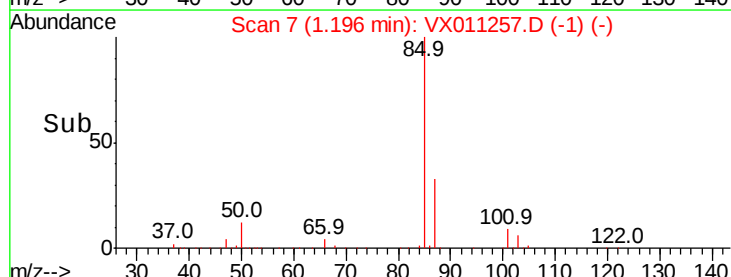
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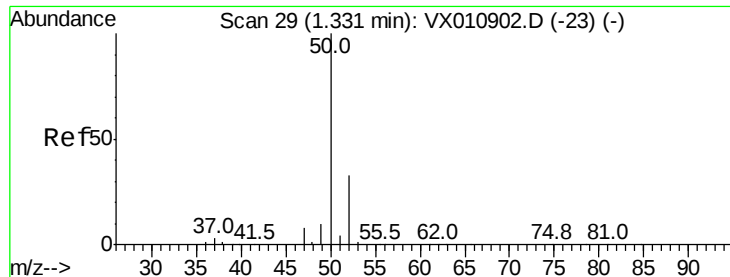
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 44.886 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 74850

Ion Ratio Lower Upper

50 100

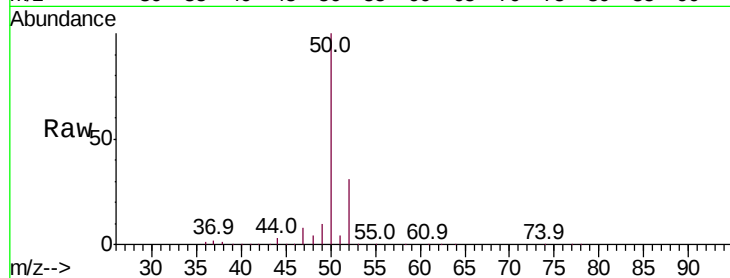
52 31.3 26.4 39.6

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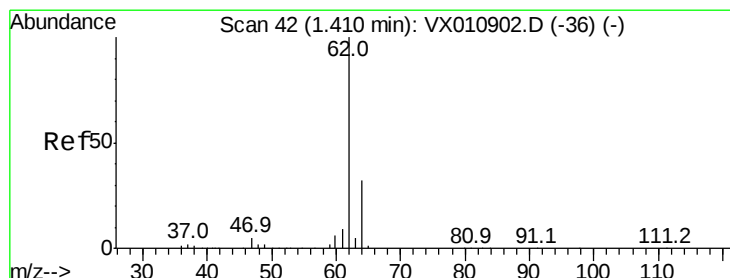
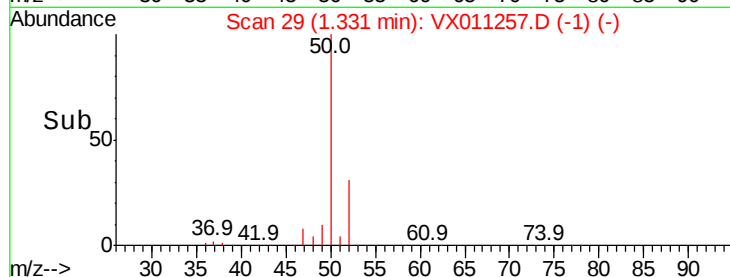
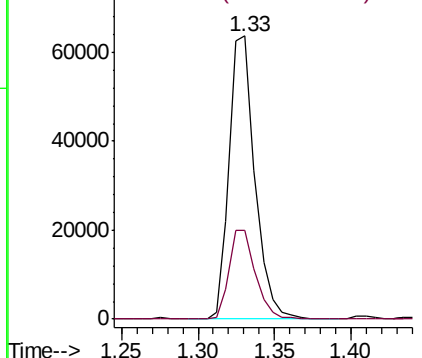
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.325 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011257.D

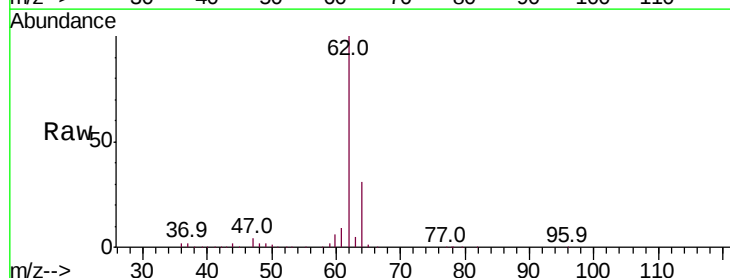
Acq: 31 Jul 2019 21:10

Tgt Ion: 62 Resp: 82196

Ion Ratio Lower Upper

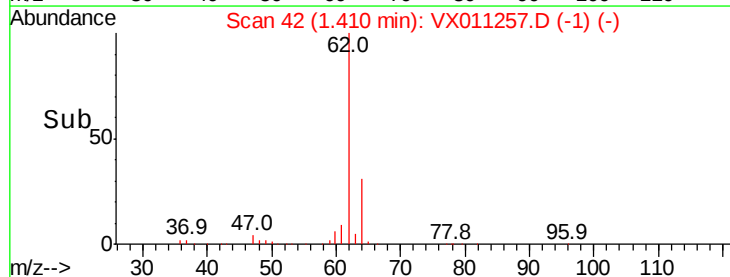
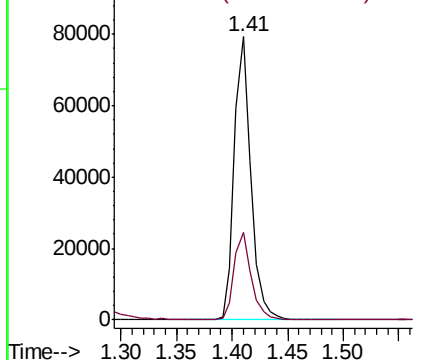
62 100

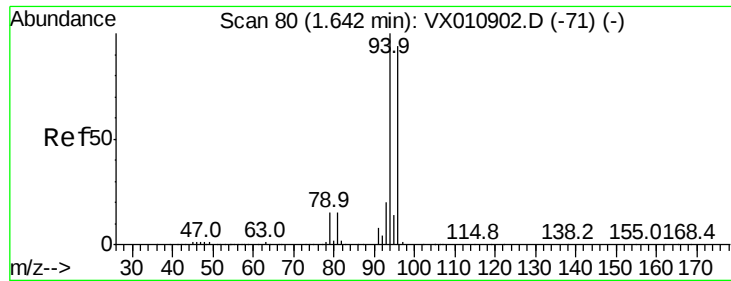
64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 46.636 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 44700

Ion Ratio Lower Upper

94 100

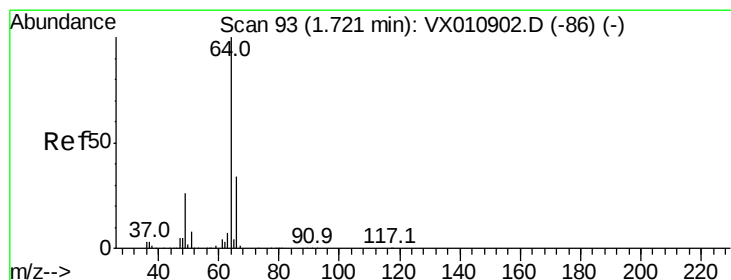
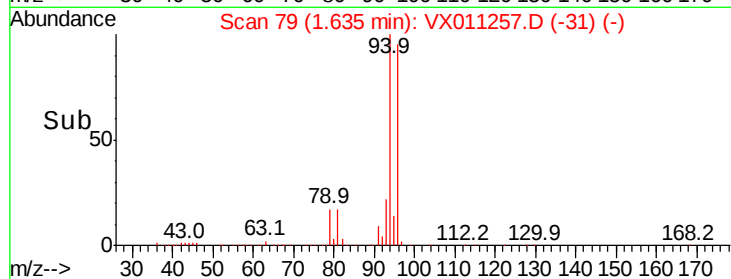
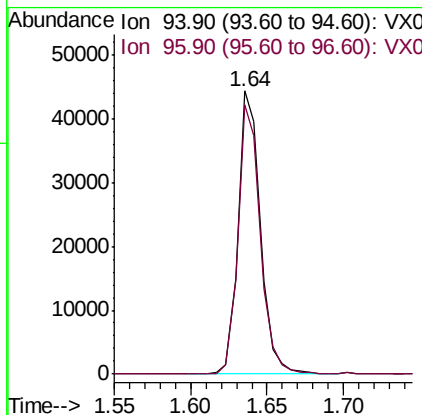
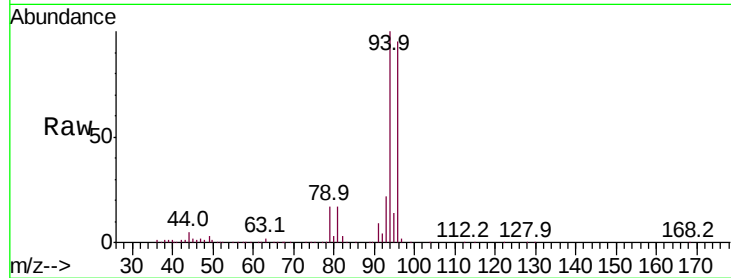
96 95.0 75.6 113.4

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#6

Chloroethane

Concen: 50.637 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX011257.D

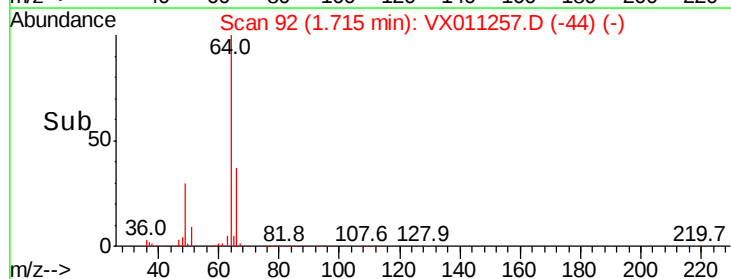
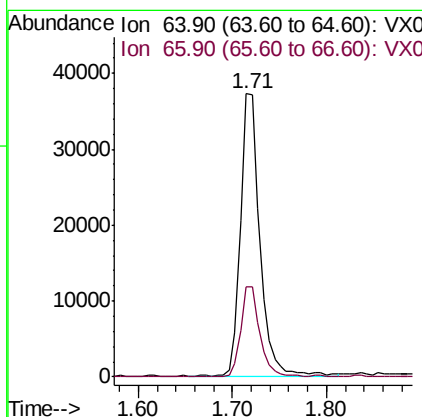
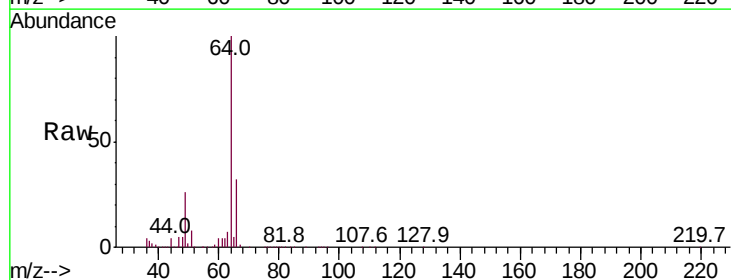
Acq: 31 Jul 2019 21:10

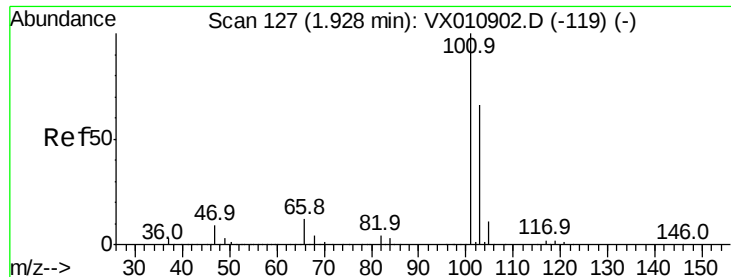
Tgt Ion: 64 Resp: 54734

Ion Ratio Lower Upper

64 100

66 31.6 27.0 40.6





#7

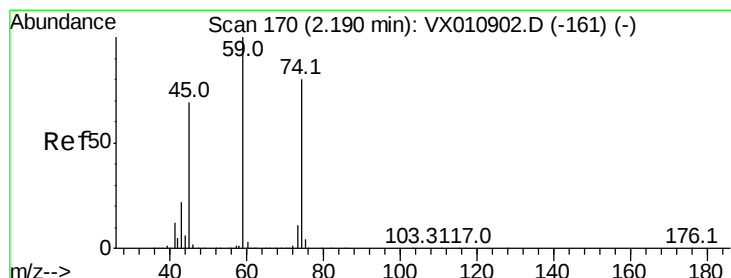
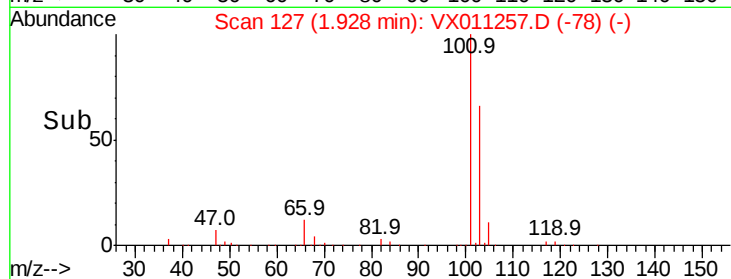
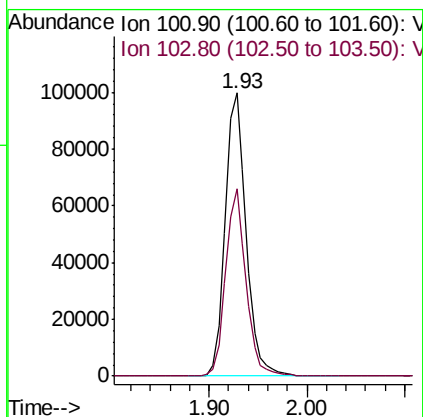
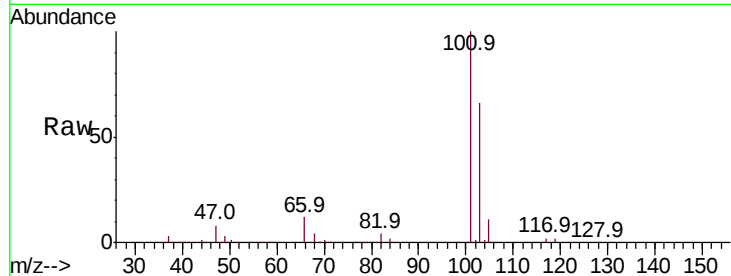
Trichlorofluoromethane
 Concen: 51.304 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.6	78.8

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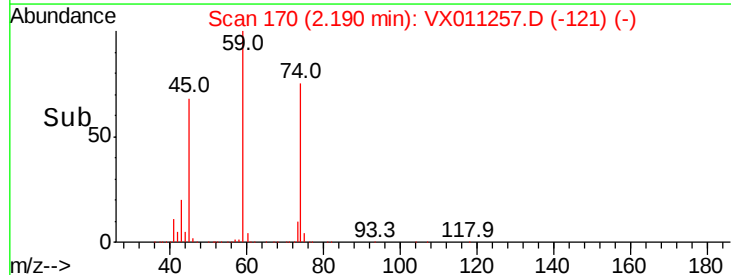
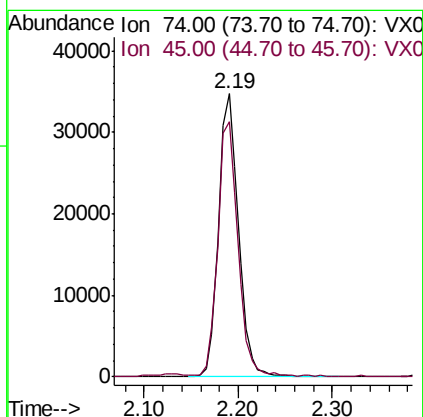
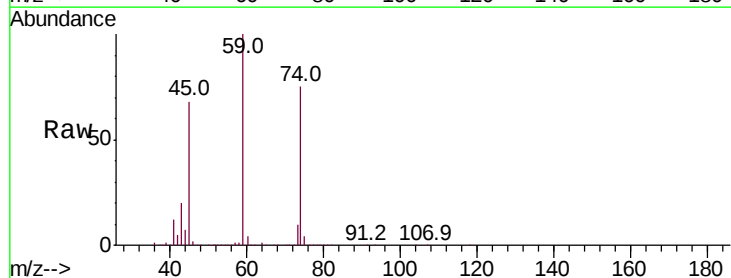
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 8/1/2019 12:01:11 PM

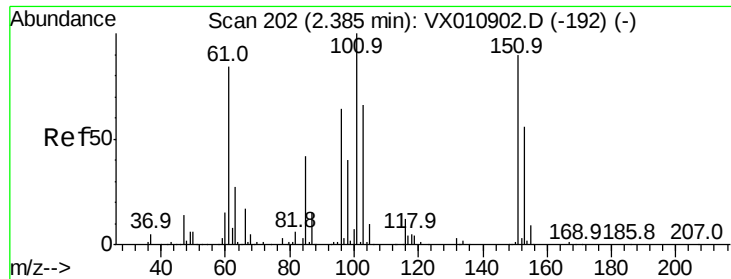


#8

Diethyl Ether
 Concen: 51.426 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.885 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

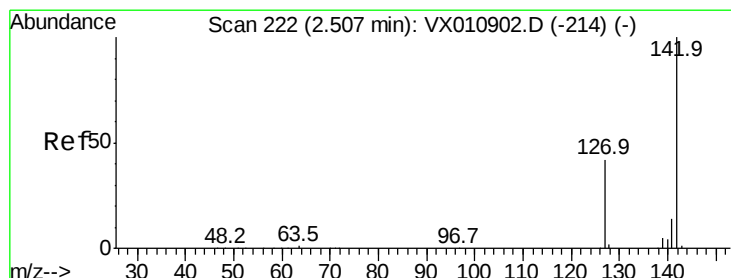
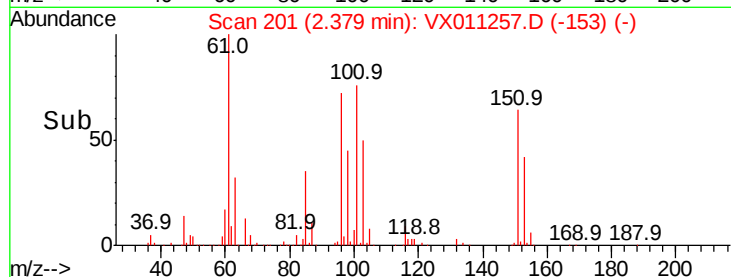
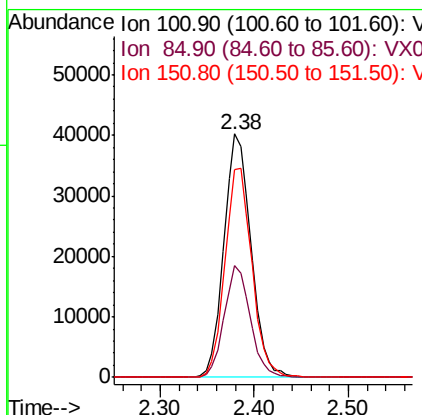
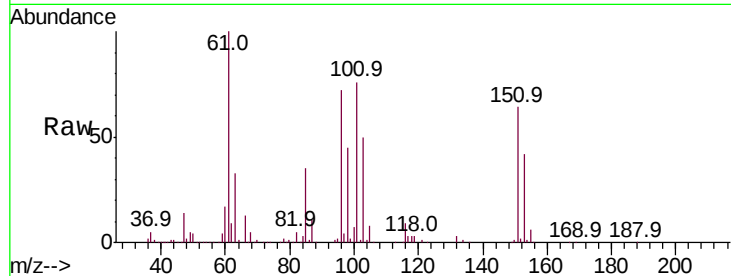
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	80365
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.6	52.0
151	85.5	69.6	104.4

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#10

Methyl Iodide

Concen: 47.488 ug/l

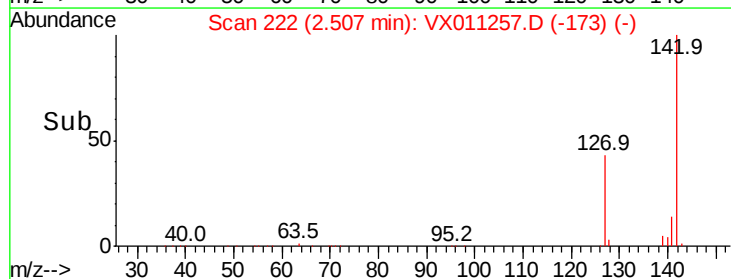
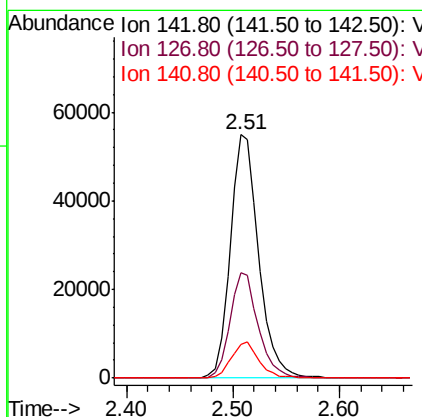
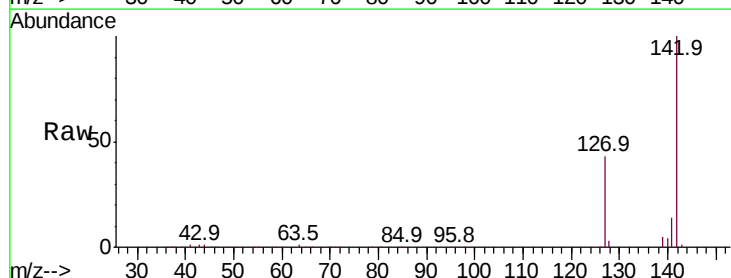
RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion:	142	Resp:	102446
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.2	51.4
141	14.4	11.7	17.5





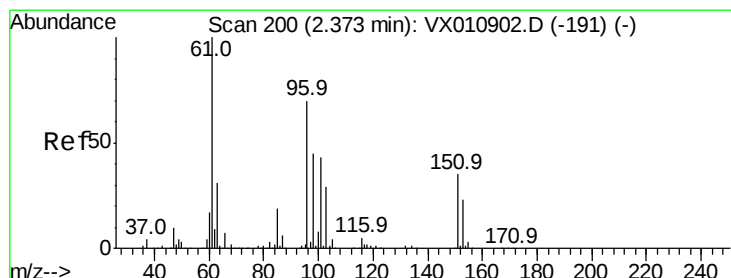
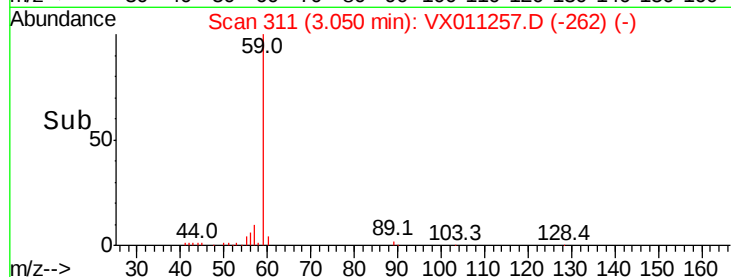
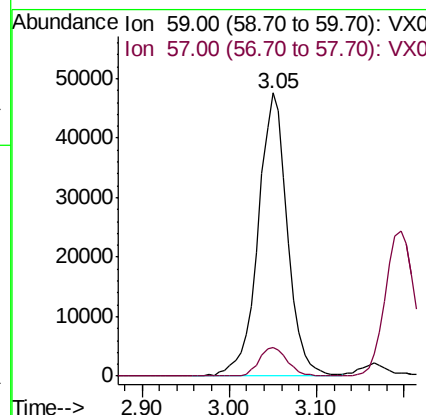
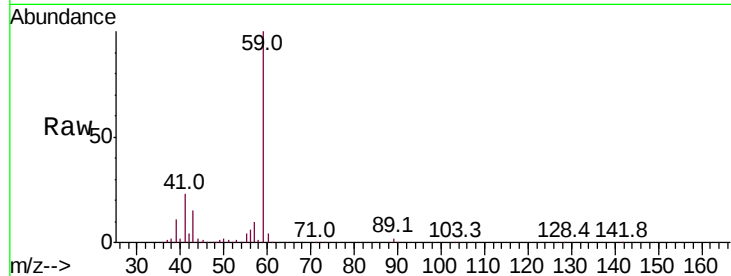
#11
Tert butyl alcohol
Concen: 246.804 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 110883
Ion Ratio Lower Upper
59 100
57 10.0 7.9 11.9

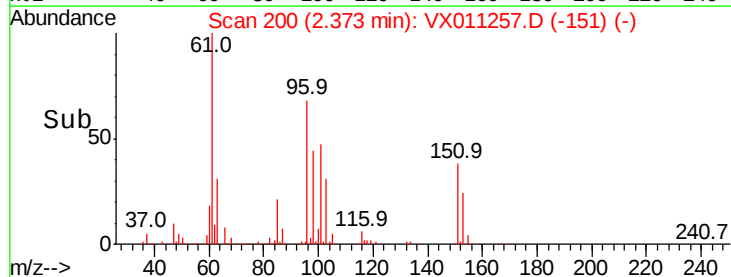
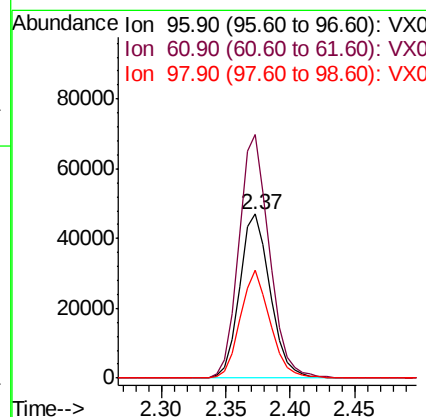
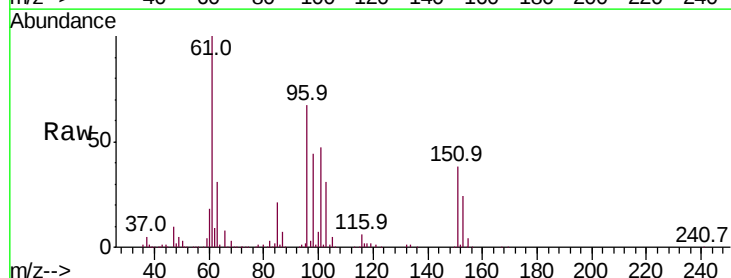
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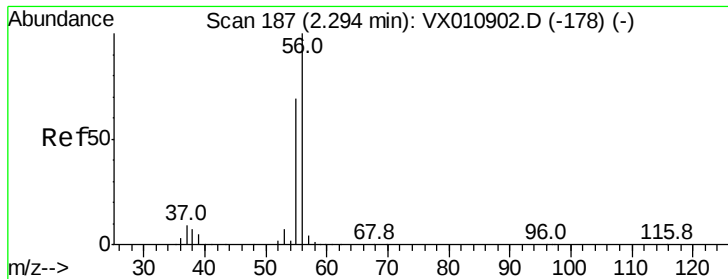
MMdadoda
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#12
1,1-Dichloroethene
Concen: 48.147 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion: 96 Resp: 77767
Ion Ratio Lower Upper
96 100
61 148.3 115.0 172.4
98 65.7 52.2 78.2





#13

Acrolein

Concen: 306.431 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79542

Ion Ratio Lower Upper

56 100

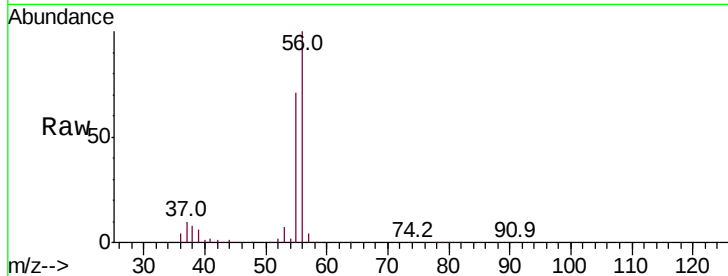
55 70.6 55.9 83.9

Manual Integrations

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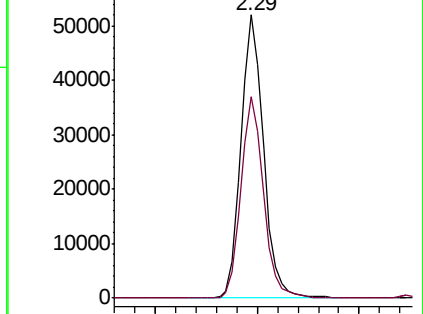
MMdadoda

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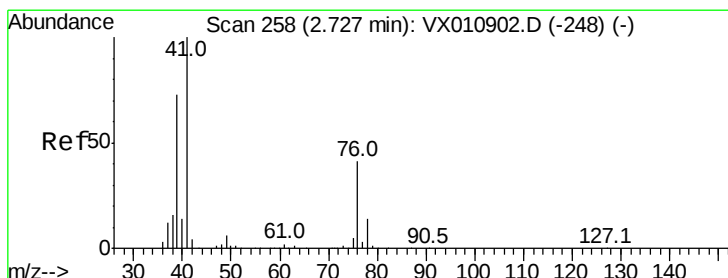
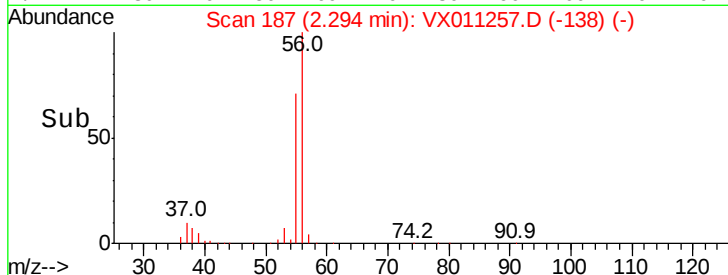


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 48.994 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

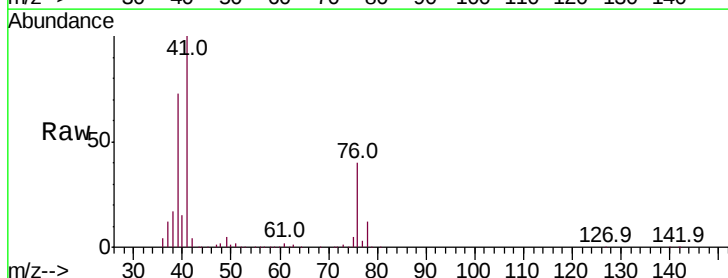
Tgt Ion: 41 Resp: 114946

Ion Ratio Lower Upper

41 100

39 68.4 53.6 80.4

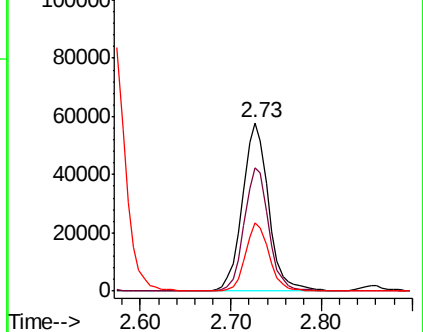
76 36.1 29.7 44.5



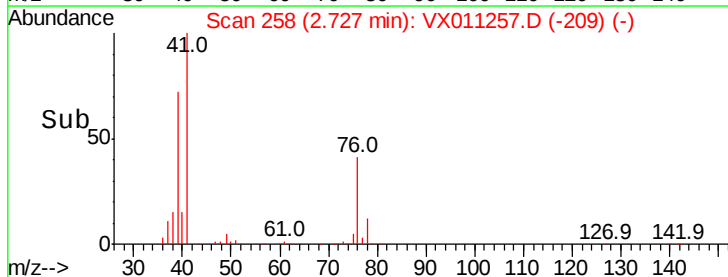
Abundance Ion 41.00 (40.70 to 41.70): VX0

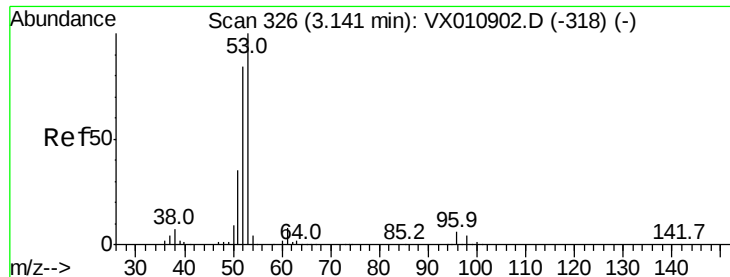
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#15

Acrylonitrile

Concen: 262.748 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

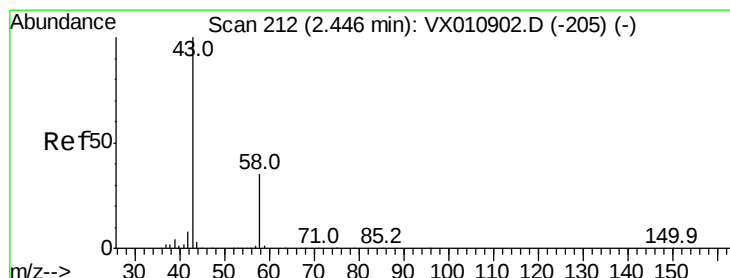
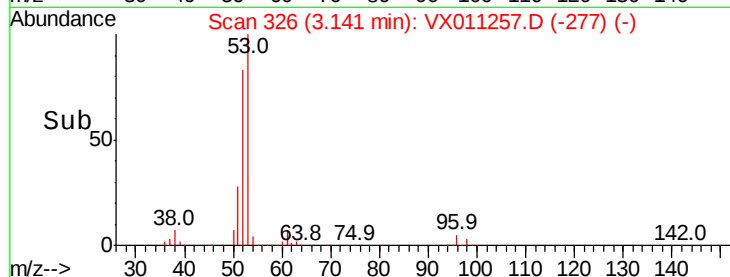
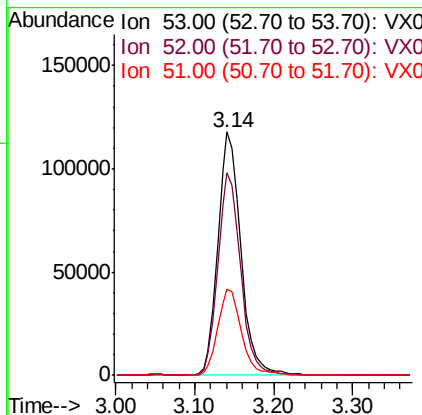
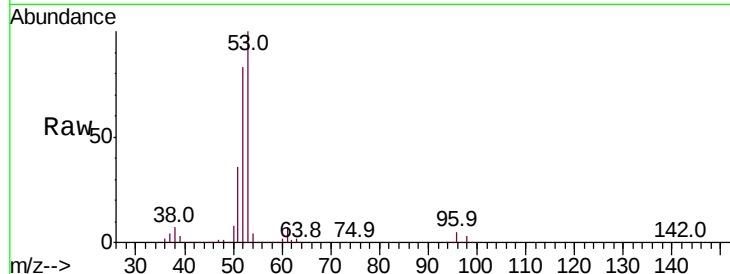
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	238535
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.5	99.7
51	36.5	28.2	42.4

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#16

Acetone

Concen: 229.552 ug/l

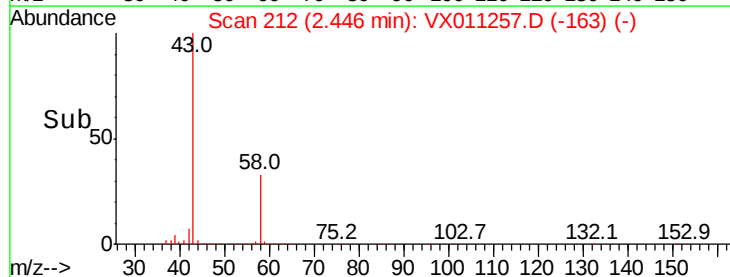
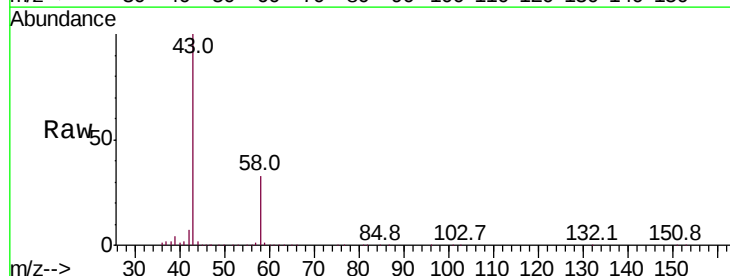
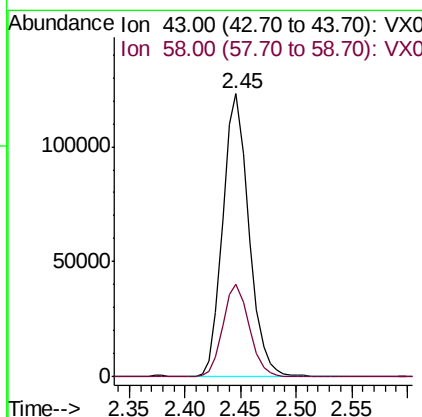
RT: 2.45 min Scan# 212

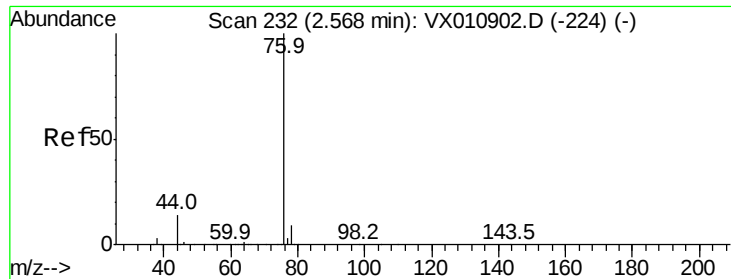
Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion	43	Resp	200006
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.7	41.5





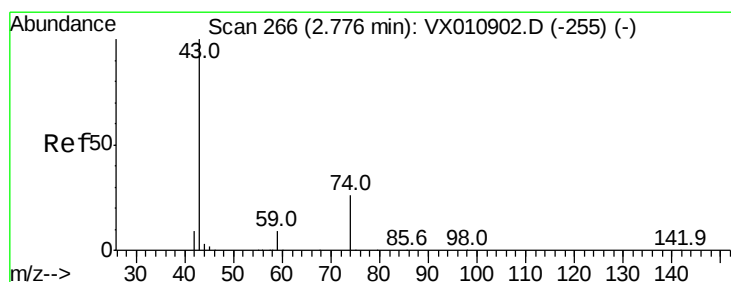
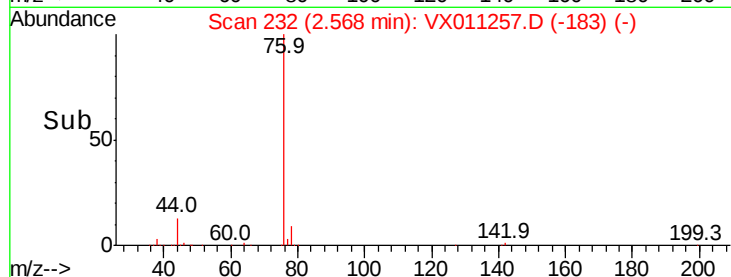
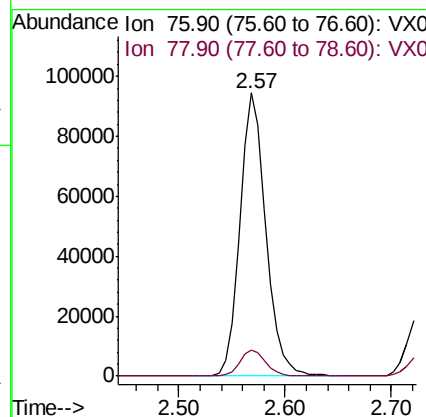
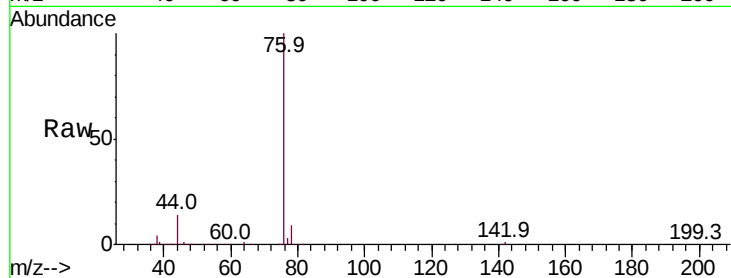
#17
Carbon Disulfide
Concen: 38.972 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

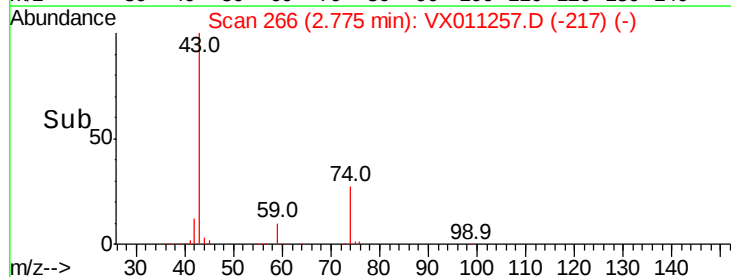
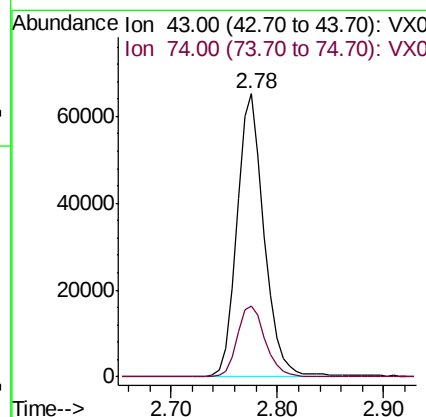
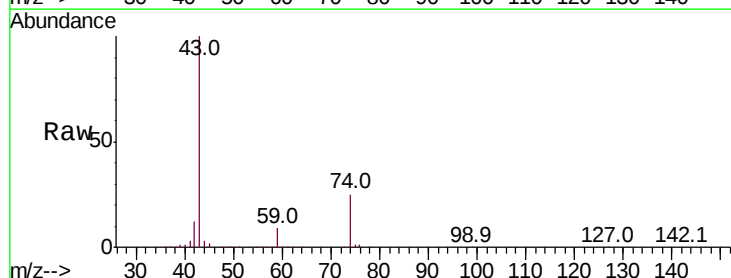
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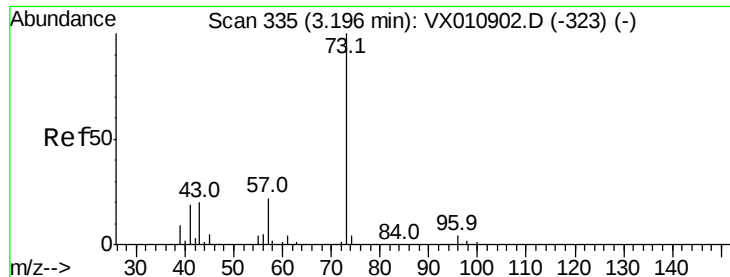
MMDadoda
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#18
Methyl Acetate
Concen: 58.378 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.4	21.5	32.3





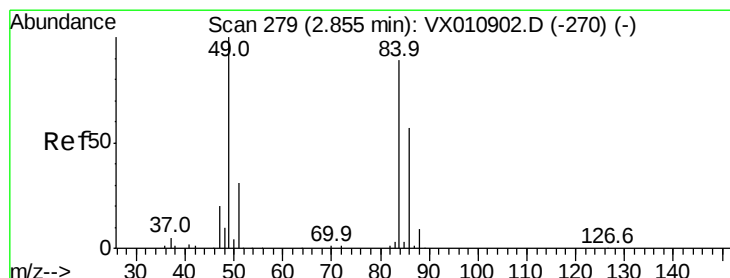
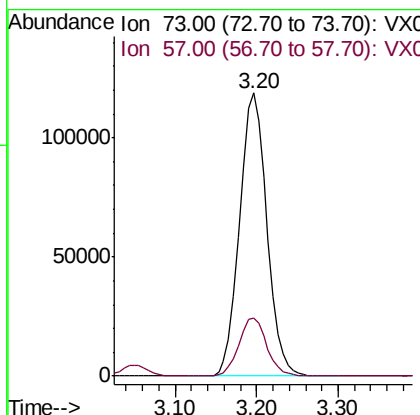
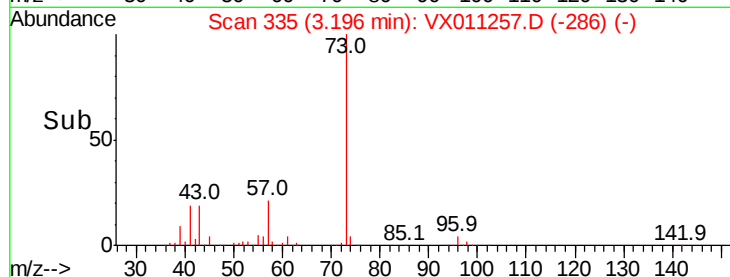
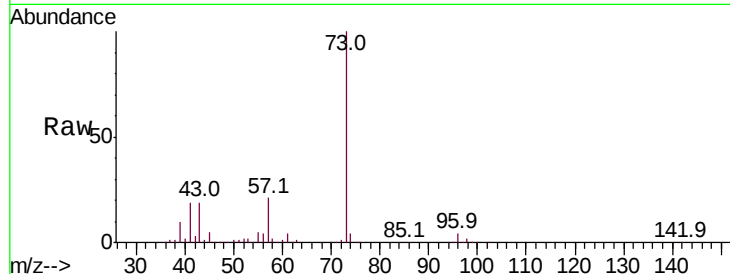
#19
Methvl tert-butvl Ether
Concen: 52.994 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 27551
Ion Ratio Lower Upper
73 100
57 20.5 17.3 25.9

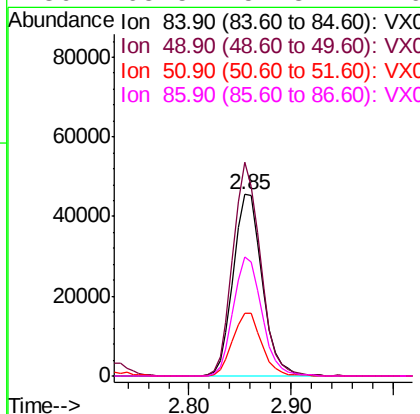
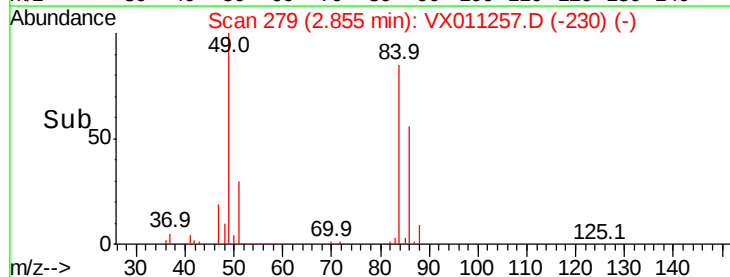
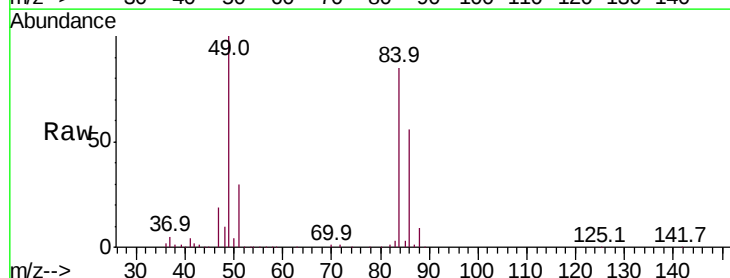
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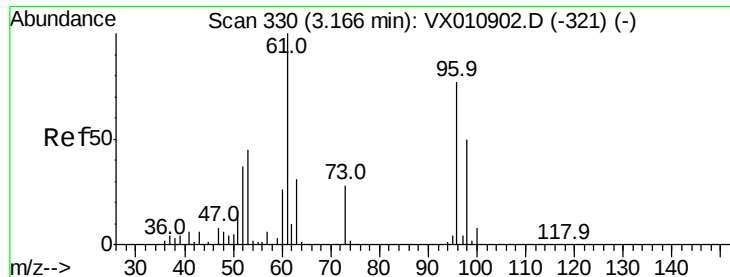
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#20
Methylene Chloride
Concen: 48.621 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion: 84 Resp: 89776
Ion Ratio Lower Upper
84 100
49 117.6 89.9 134.9
51 34.6 27.8 41.6
86 65.5 51.8 77.6





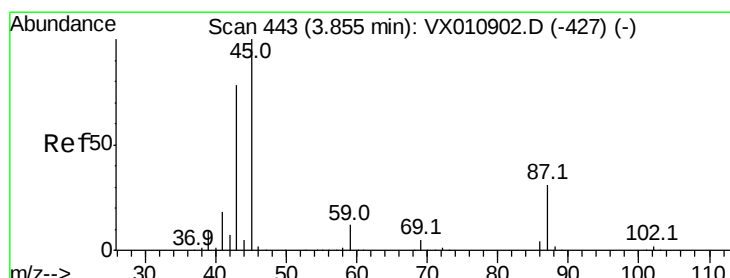
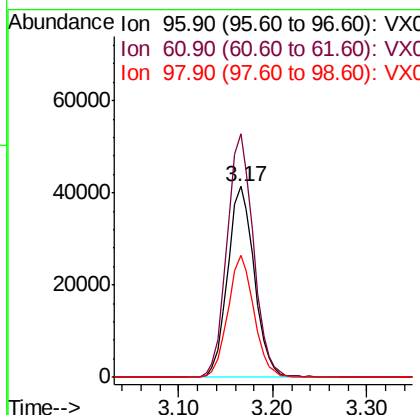
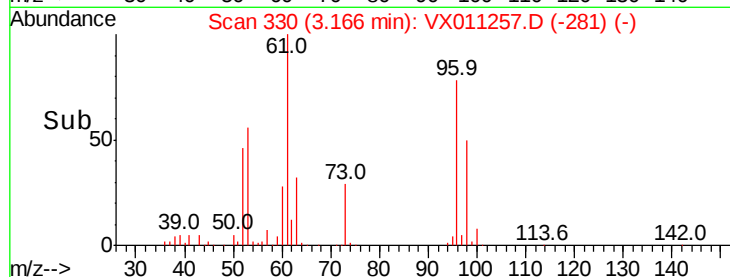
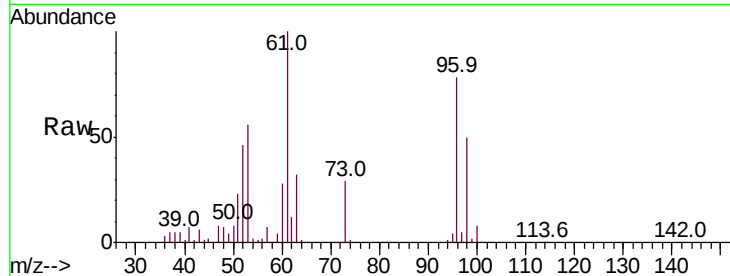
#21
trans-1,2-Dichloroethene
Concen: 47.653 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.6	104.2	156.2
98	64.0	52.2	78.4

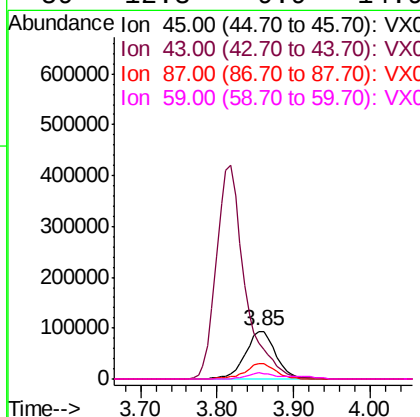
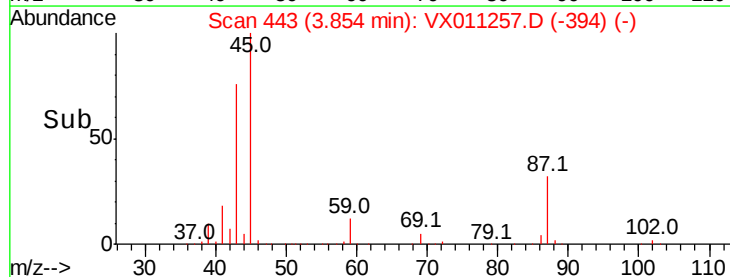
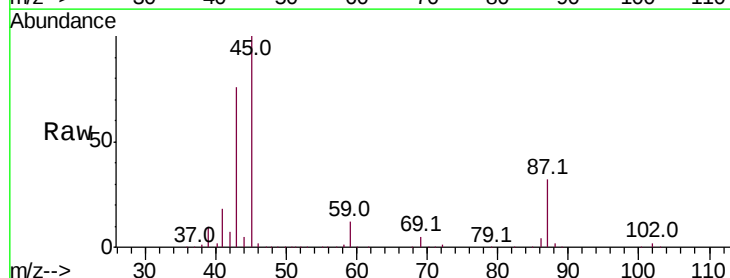
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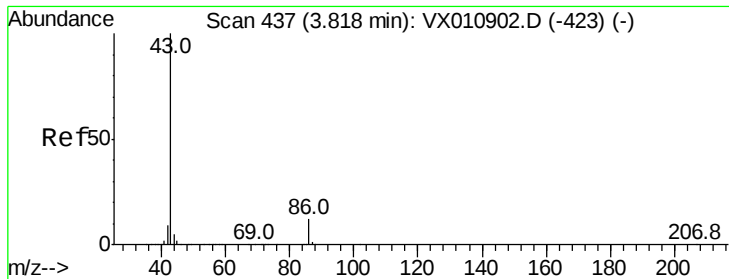
MMDadoda
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#22
Diisopropyl ether
Concen: 52.344 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	62.3	93.5
87	31.9	25.0	37.4
59	12.3	9.9	14.9





#23

Vinyl Acetate

Concen: 259.893 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1089613

Ion Ratio Lower Upper

43 100

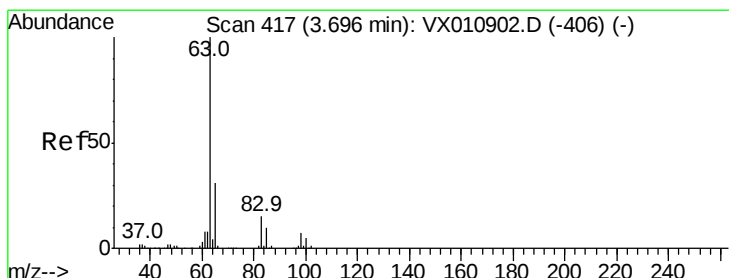
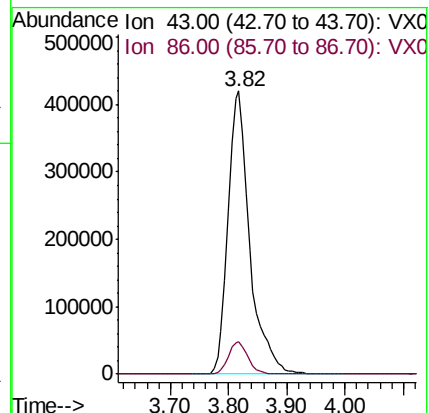
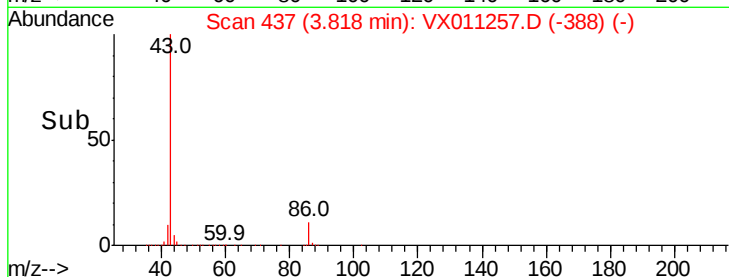
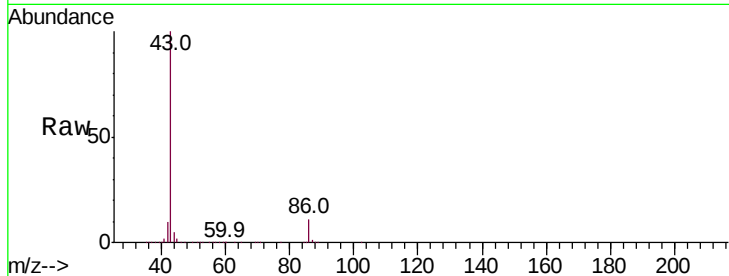
86 11.3 9.4 14.0

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#24

1,1-Dichloroethane

Concen: 50.640 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

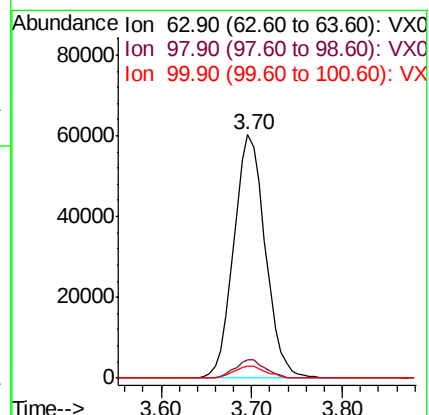
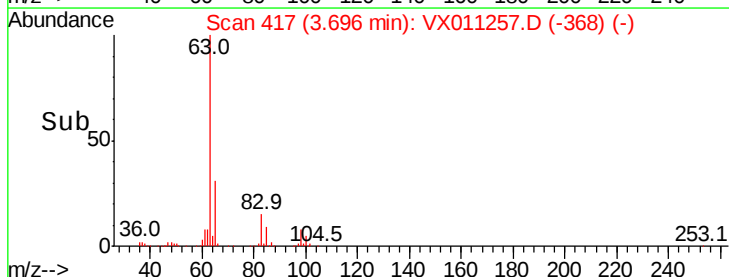
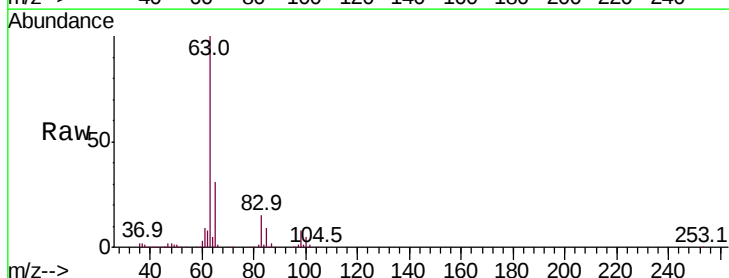
Tgt Ion: 63 Resp: 145521

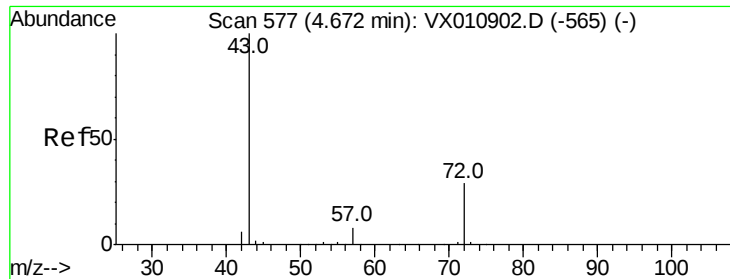
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 261.255 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 326757

Ion Ratio Lower Upper

43 100

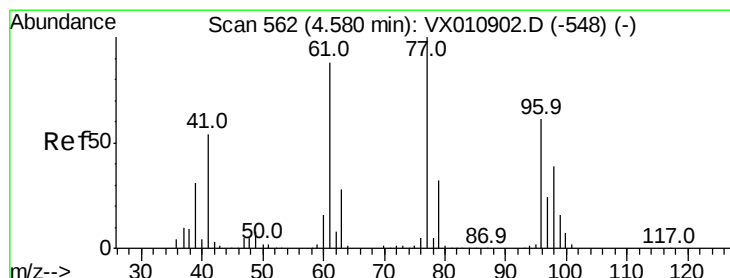
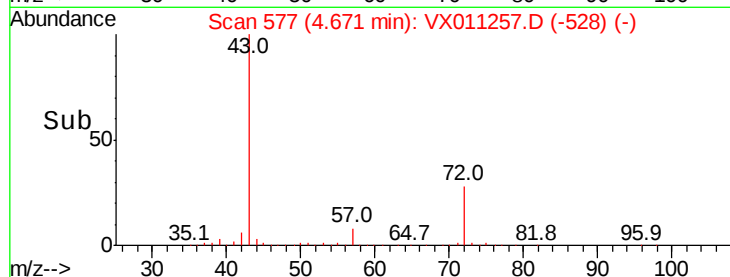
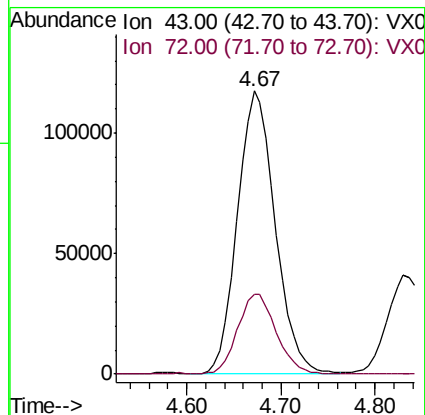
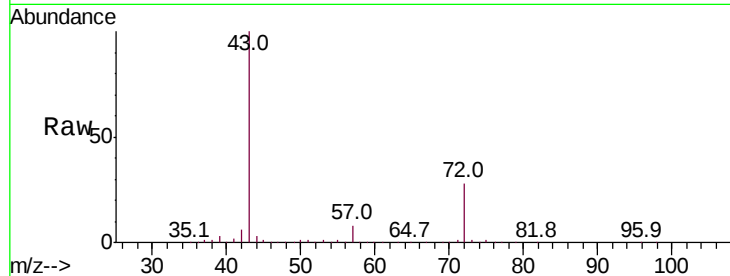
72 28.0 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 44.403 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX011257.D

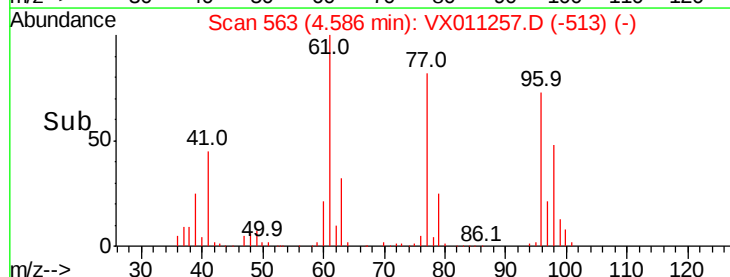
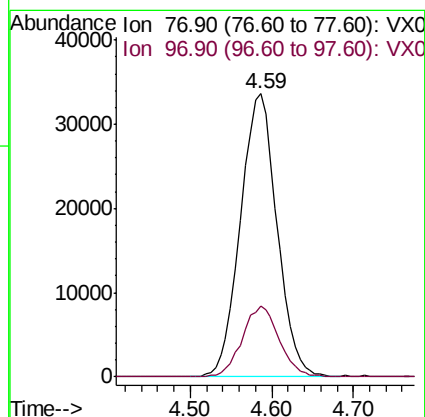
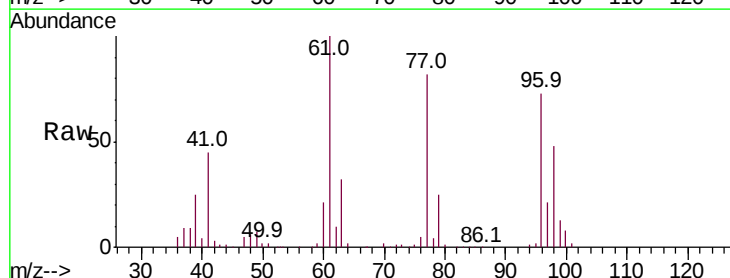
Acq: 31 Jul 2019 21:10

Tgt Ion: 77 Resp: 104769

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.6





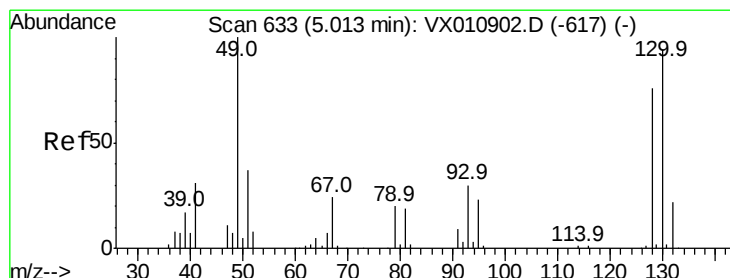
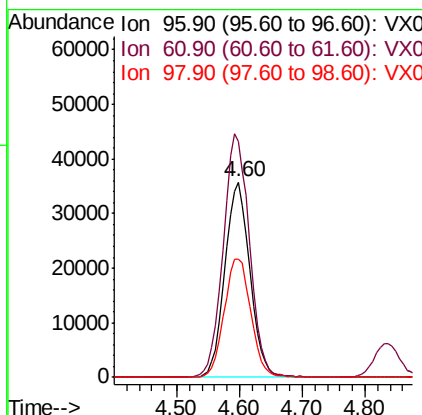
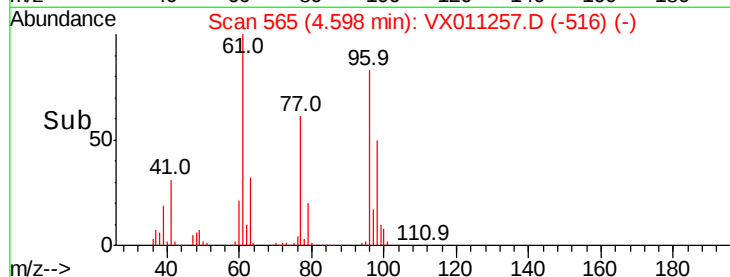
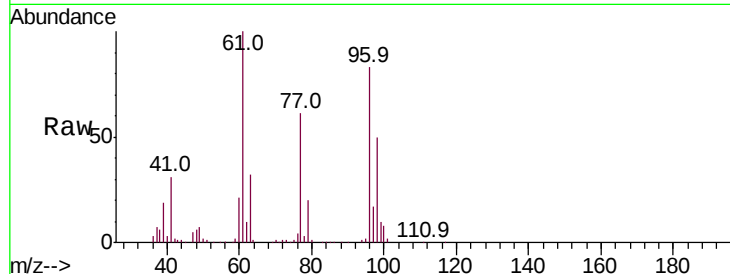
#27
 cis-1,2-Dichloroethene
 Concen: 50.016 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	269.0
98	64.3	0.0	131.4

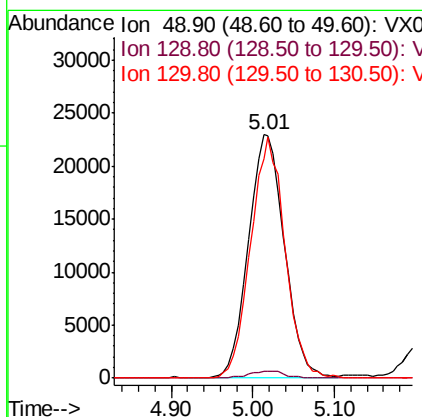
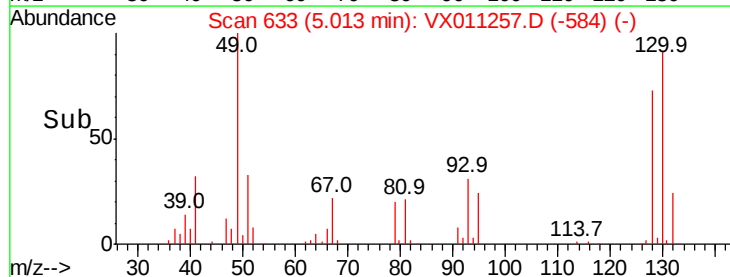
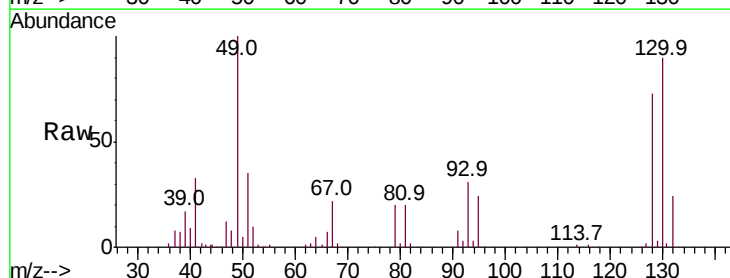
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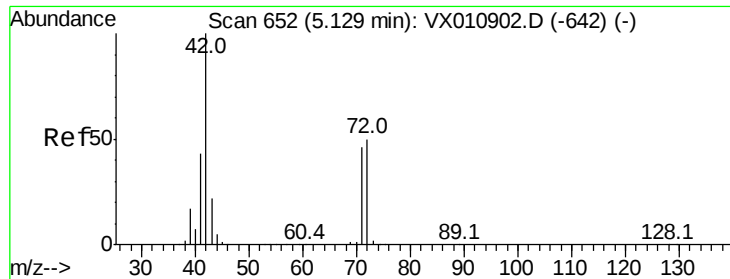
MMdadoda
 8/1/2019 12:01:11 PM



#28
 Bromochloromethane
 Concen: 52.326 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	5.2
130	94.1	76.9	115.3





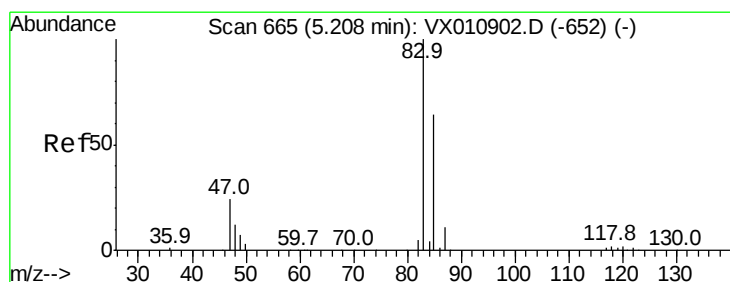
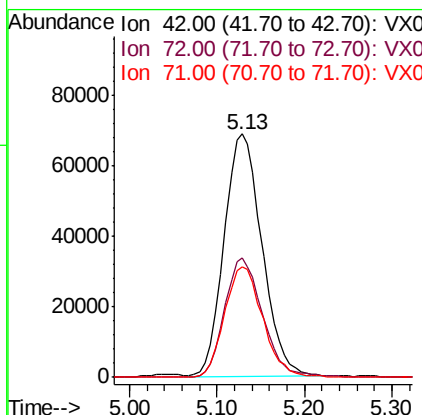
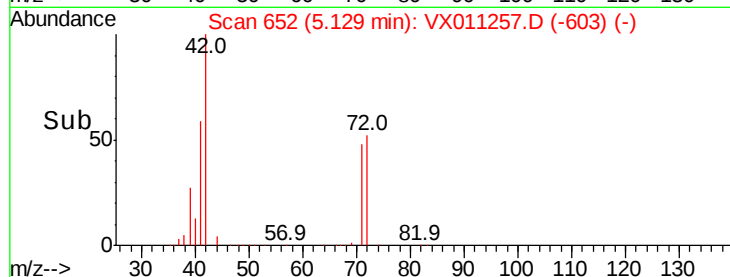
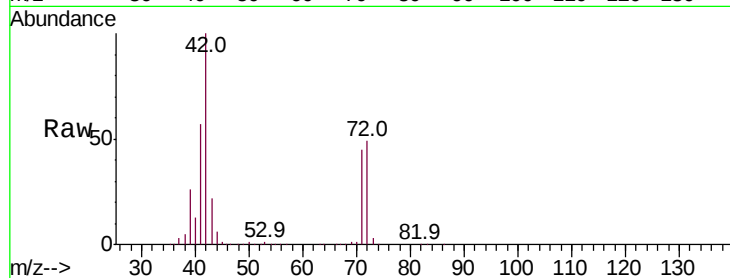
#29
Tetrahydrofuran
Concen: 262.148 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	207689
Ion Ratio	Lower	Upper	
42	100		
72	49.4	39.8	59.8
71	46.0	37.0	55.4

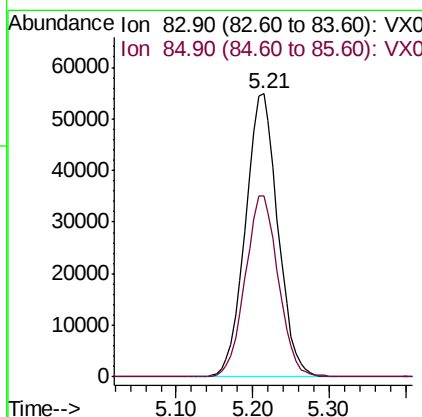
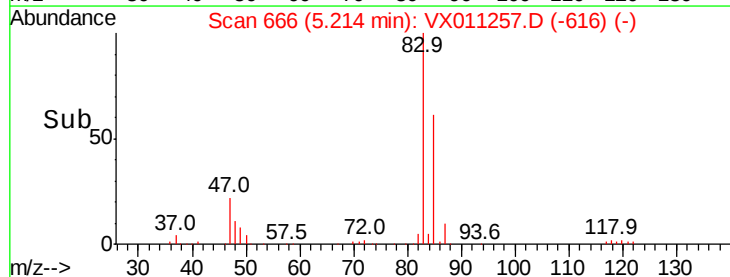
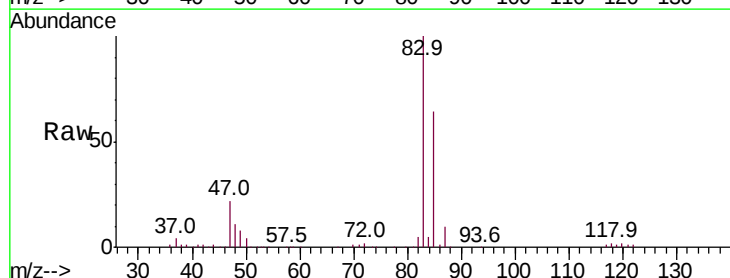
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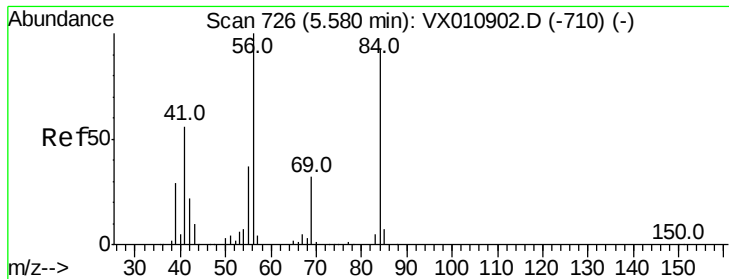
MMdadoda
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#30
Chloroform
Concen: 52.188 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion:	83	Resp:	162100
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.4	77.0





#31

Cyclohexane

Concen: 46.562 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

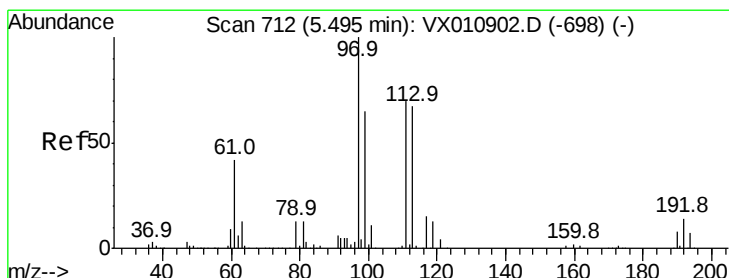
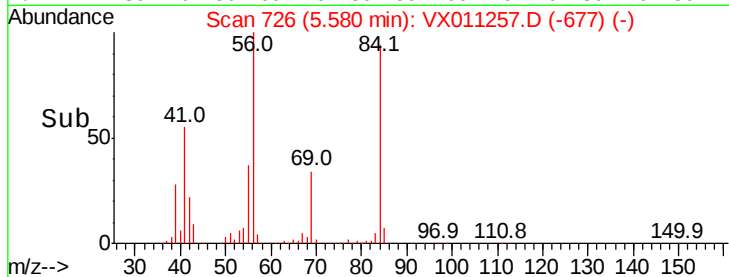
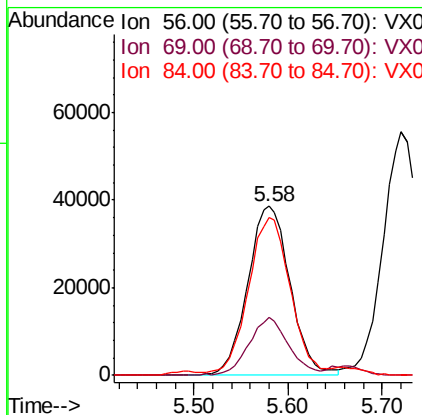
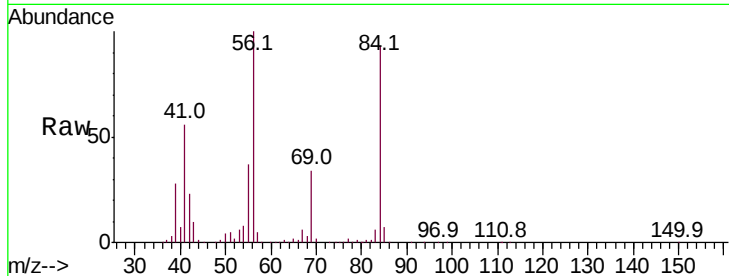
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	121960
Ion Ratio	Lower	Upper	
56	100		
69	34.2	25.8	38.8
84	91.1	73.8	110.6

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#32

1,1,1-Trichloroethane

Concen: 53.000 ug/l

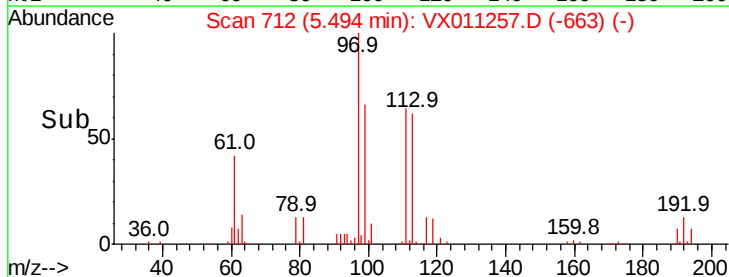
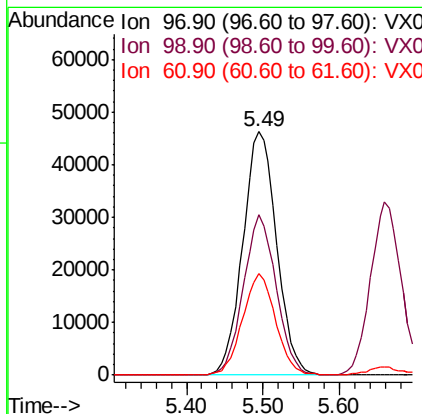
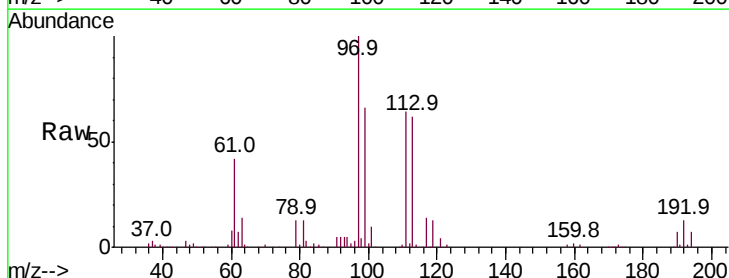
RT: 5.49 min Scan# 712

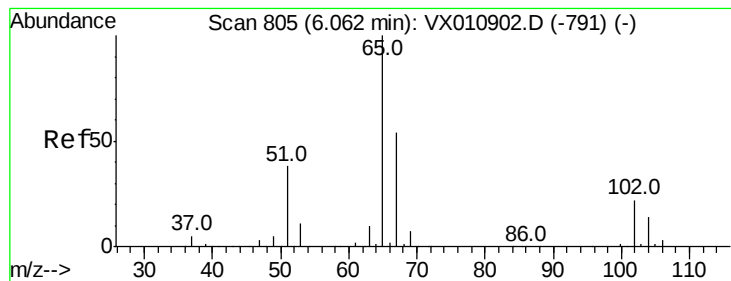
Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion:	97	Resp:	142425
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.4	77.0
61	40.9	33.0	49.6





#33

1,2-Dichloroethane-d4

Concen: 50.193 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 96829

Ion Ratio Lower Upper

65 100

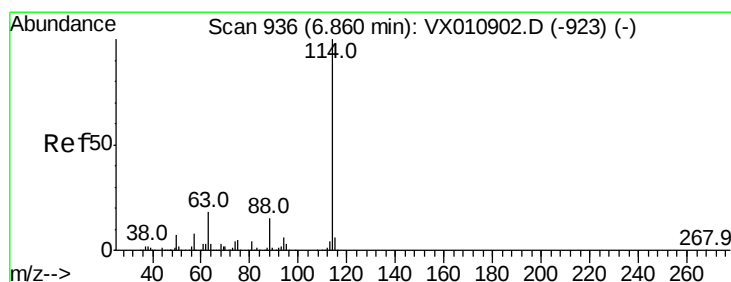
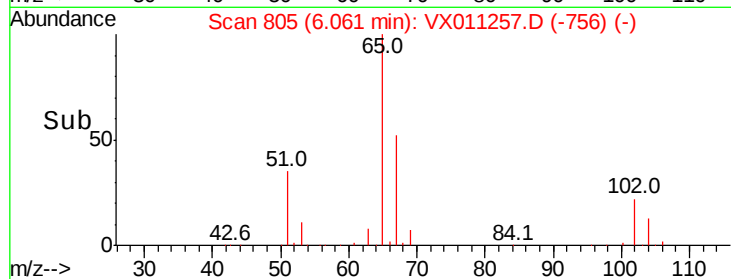
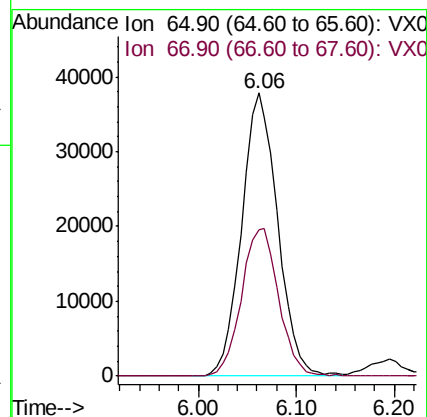
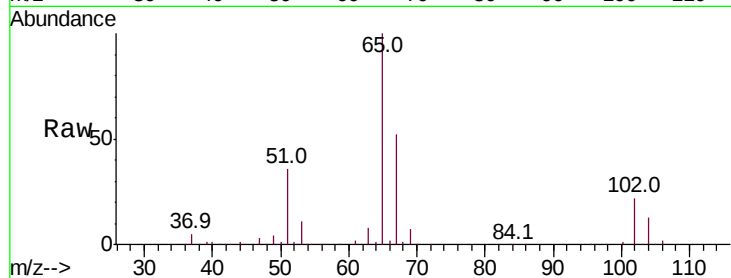
67 53.8 0.0 107.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

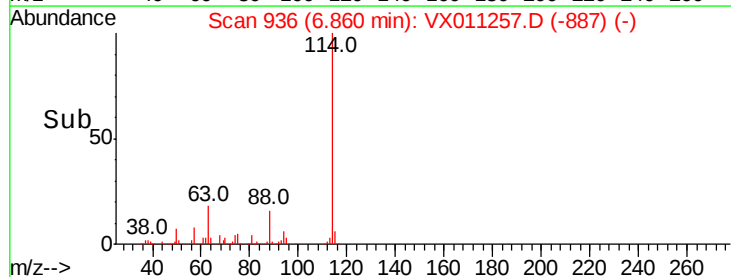
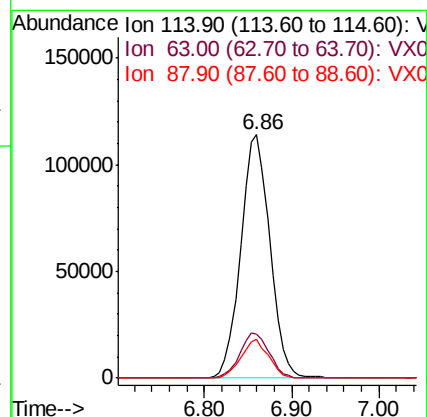
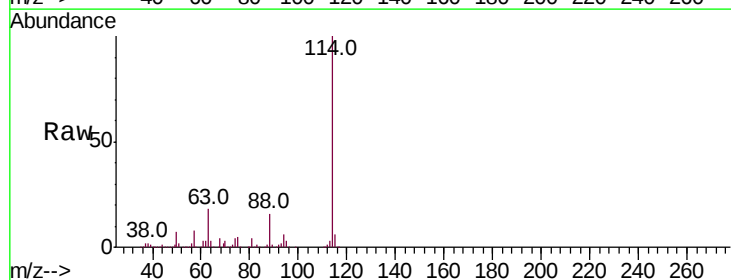
Tgt Ion:114 Resp: 264531

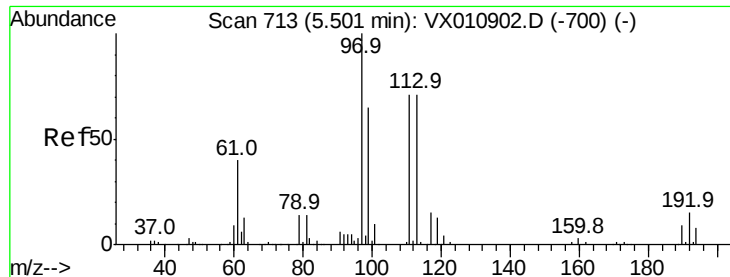
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 16.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 51.563 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

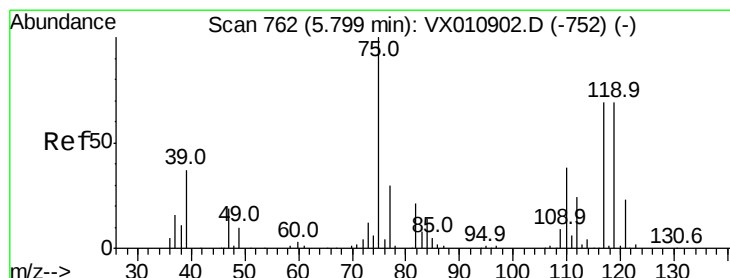
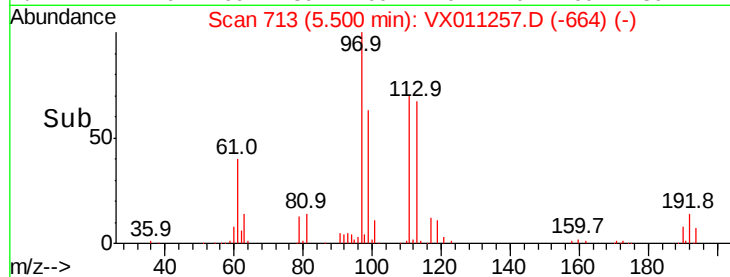
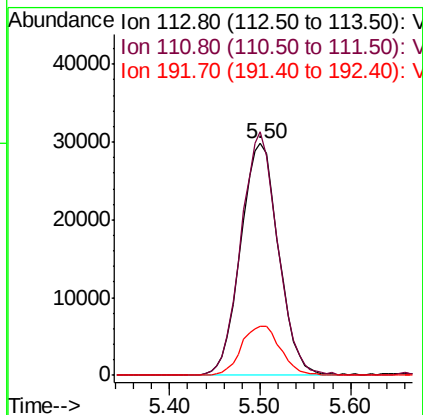
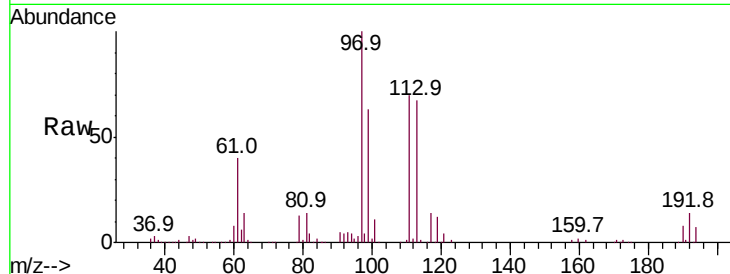
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	86576
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	21.7	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 49.966 ug/l

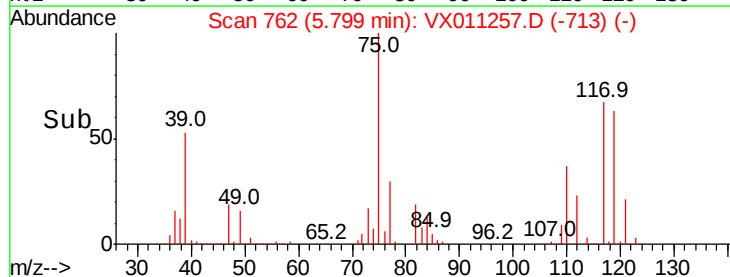
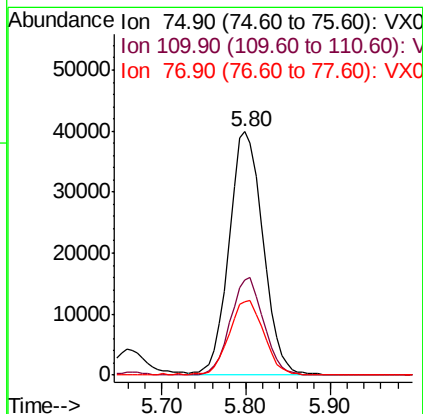
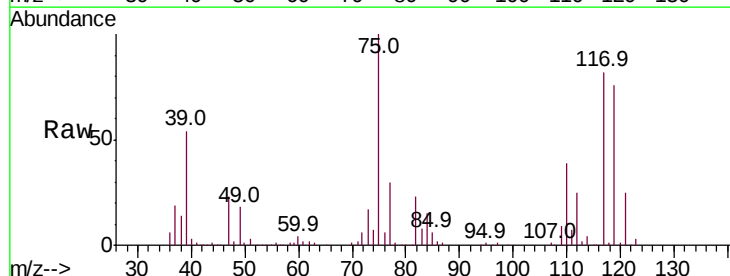
RT: 5.80 min Scan# 762

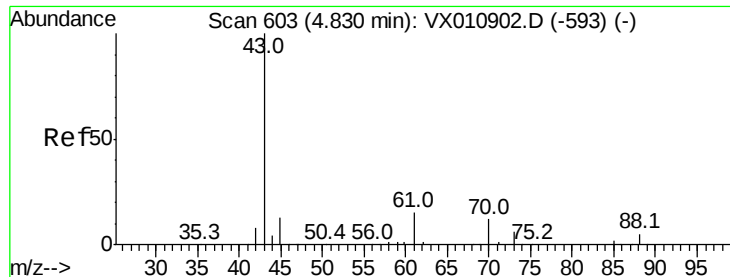
Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion:	75	Resp:	108570
Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.9	59.7
77	31.6	25.0	37.4





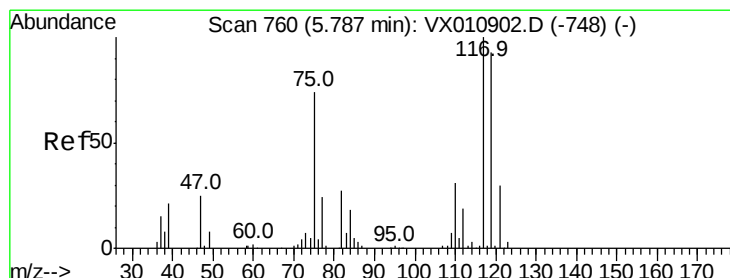
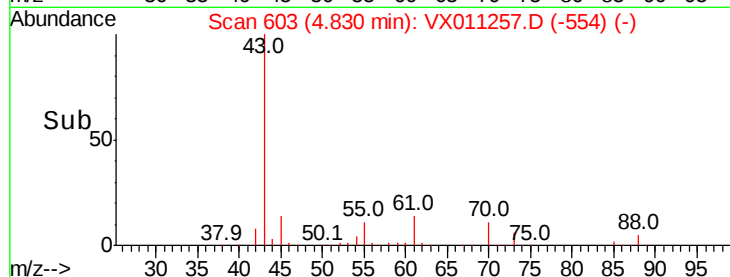
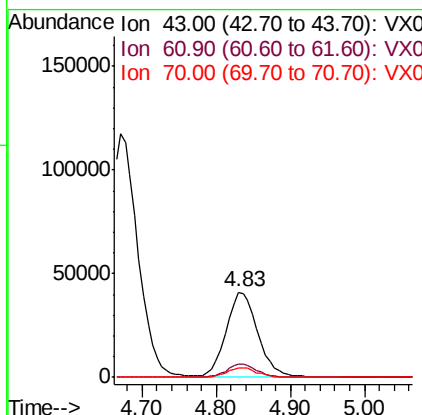
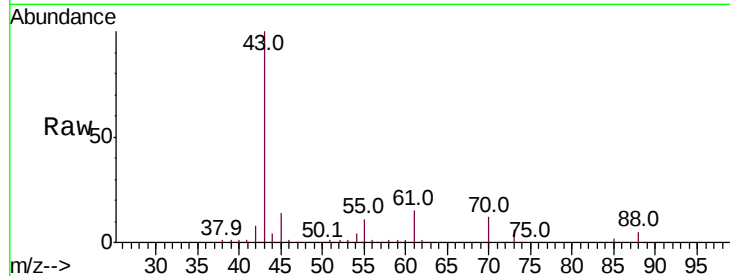
#37
Ethyl Acetate
Concen: 54.156 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.6	17.4
70	11.5	9.1	13.7

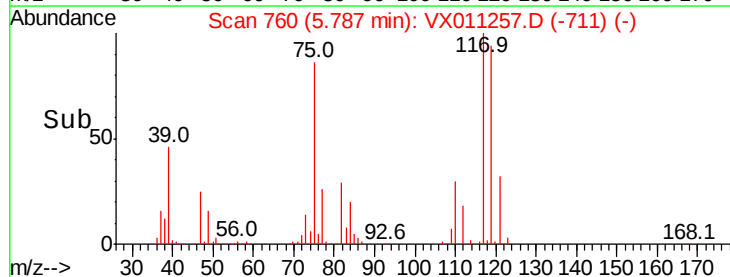
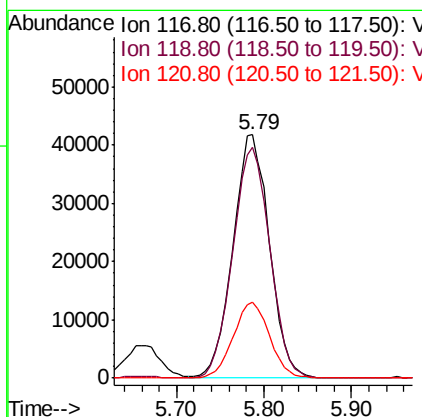
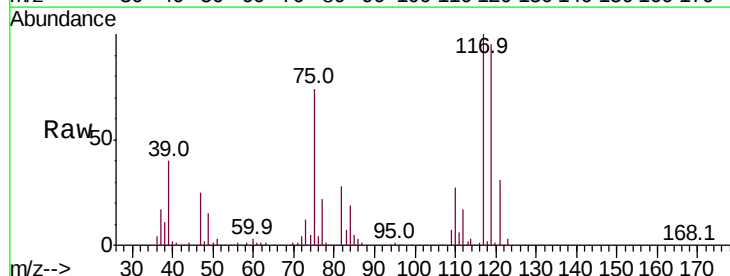
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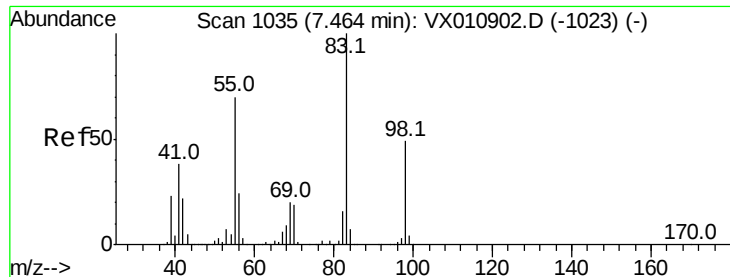
MMdadoda
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#38
Carbon Tetrachloride
Concen: 53.553 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	74.2	111.2
121	31.3	24.2	36.2





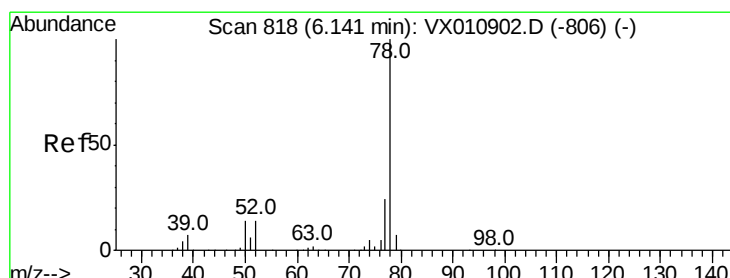
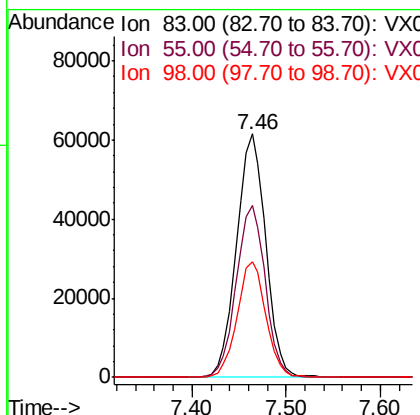
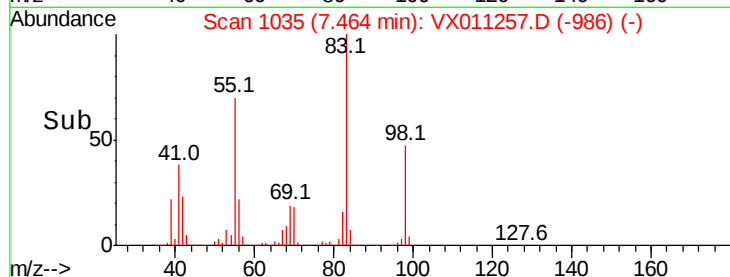
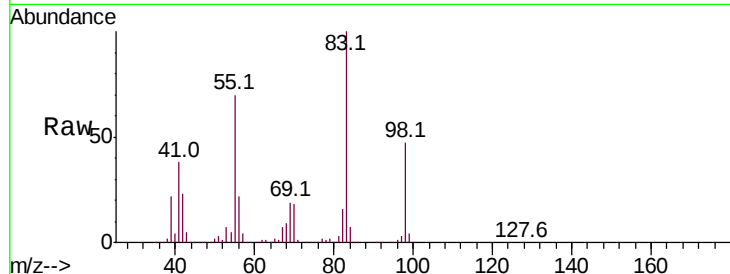
#39
Methvlcvclohexane
Concen: 47.242 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	70.5	56.2	84.4	
98	47.4	39.0	58.4	

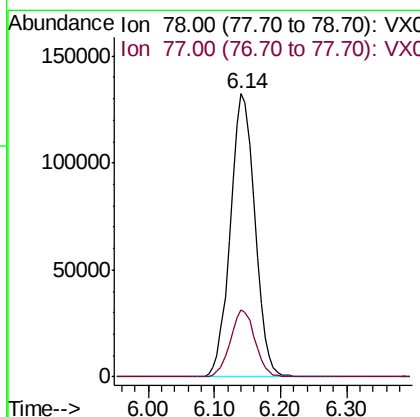
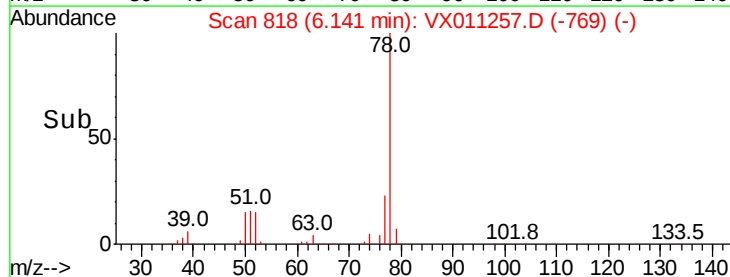
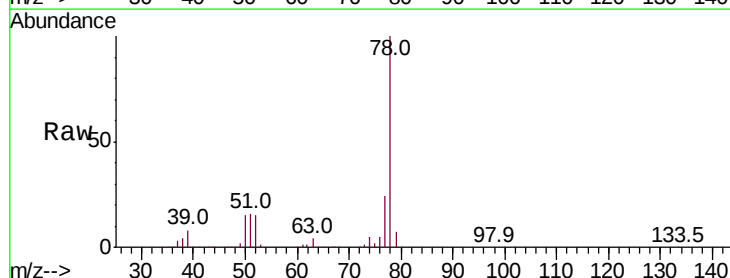
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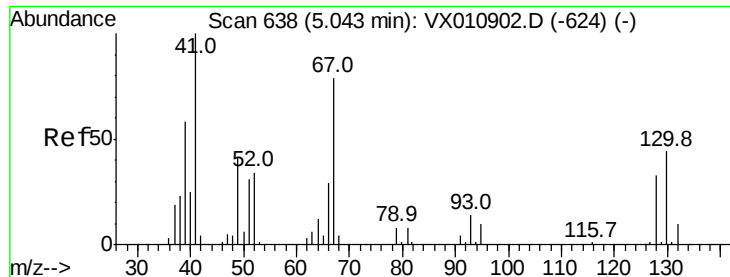
MMdadoda
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#40
Benzene
Concen: 51.228 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.0	28.6	





#41

Methacrylonitrile

Concen: 54.903 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

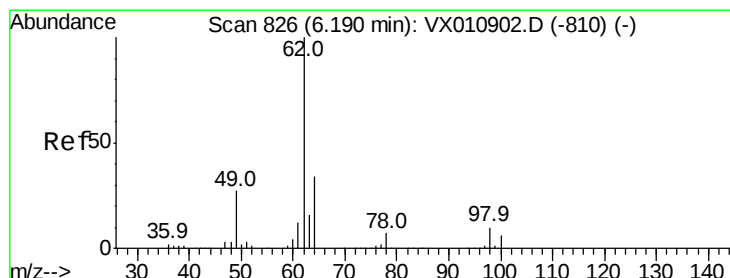
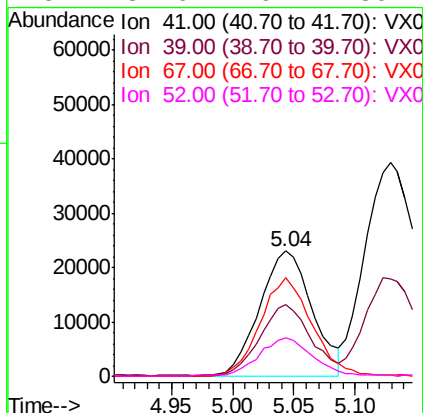
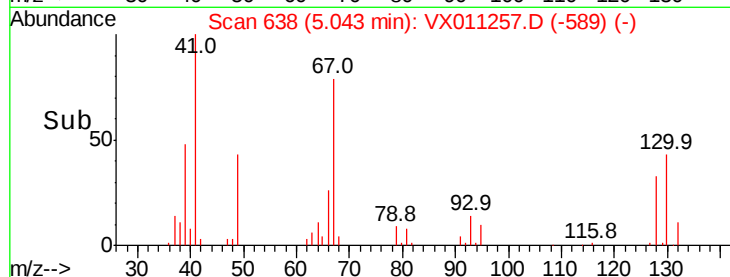
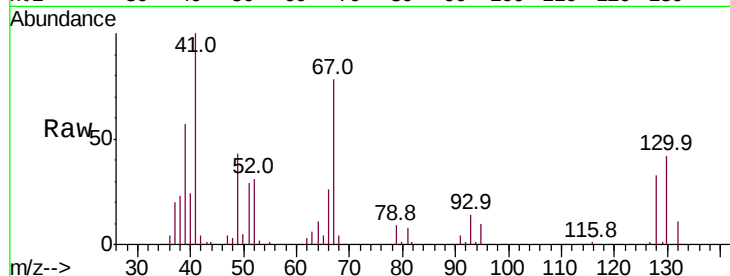
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	45.4	68.2	
67	77.1	65.9	98.9	
52	31.6	26.2	39.2	

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#42

1,2-Dichloroethane

Concen: 54.369 ug/l

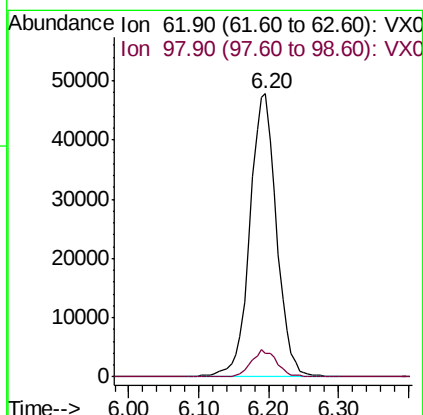
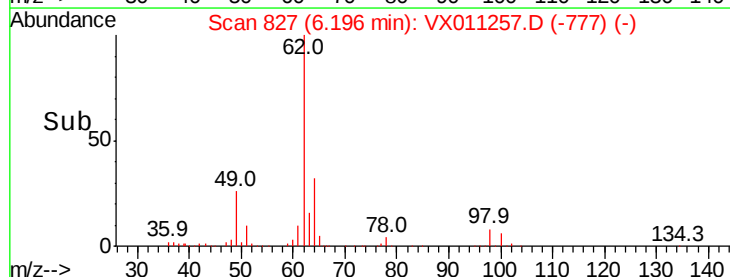
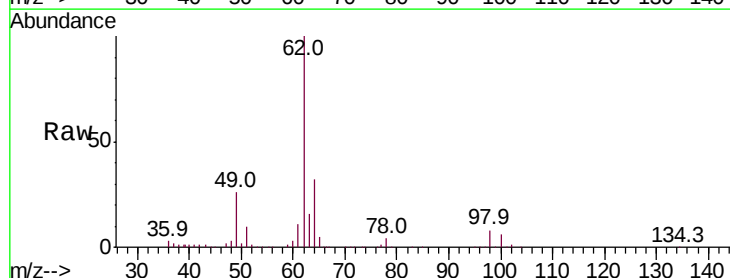
RT: 6.20 min Scan# 827

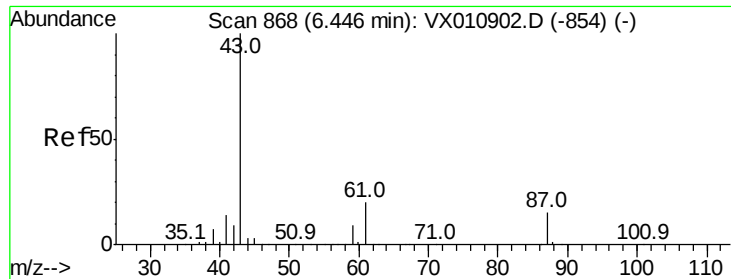
Delta R.T. 0.01 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	0.0	20.0	





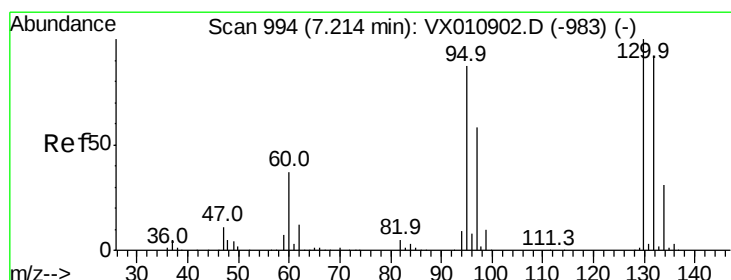
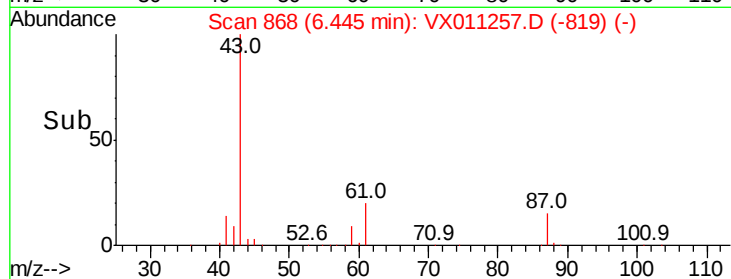
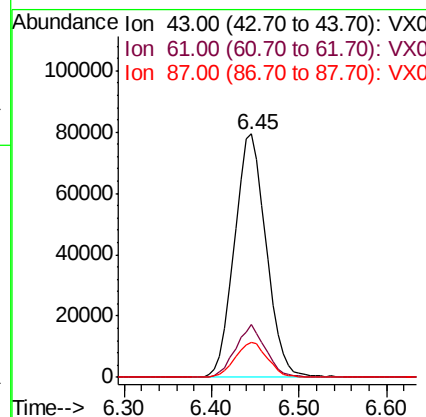
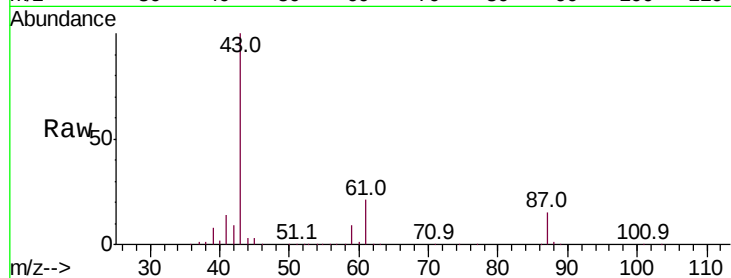
#43
Isopropyl Acetate
Concen: 54.498 ug/l
RT: 6.45 min Scan# 868
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	17.1	25.7
87	14.7	12.0	18.0

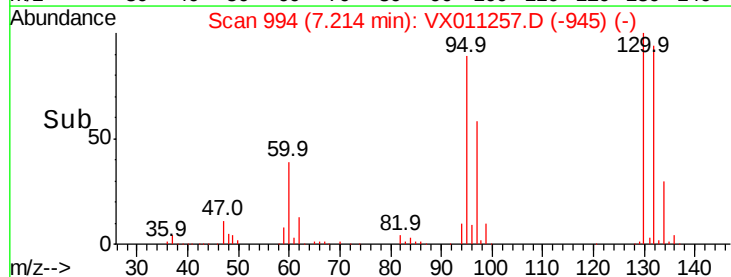
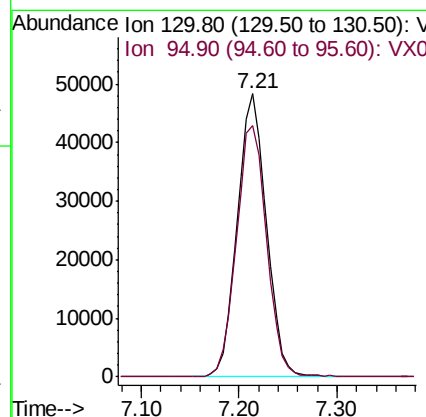
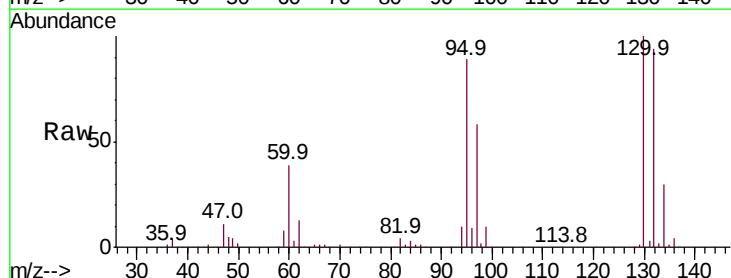
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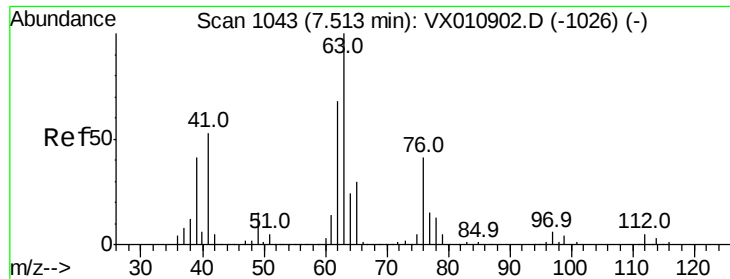
MMDadoda
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#44
Trichloroethene
Concen: 50.778 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	174.8





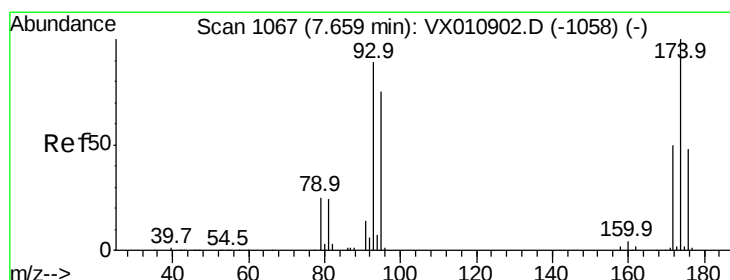
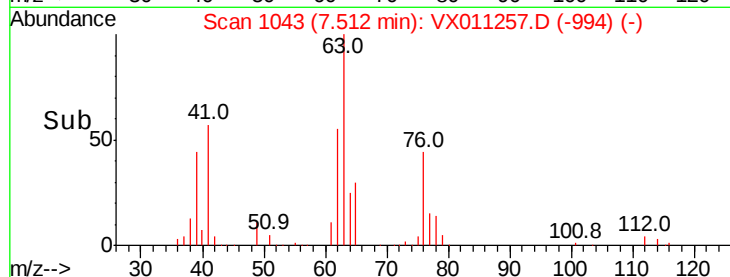
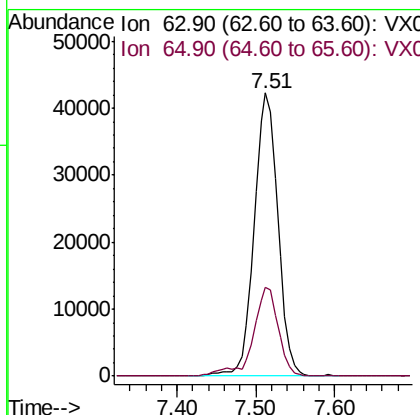
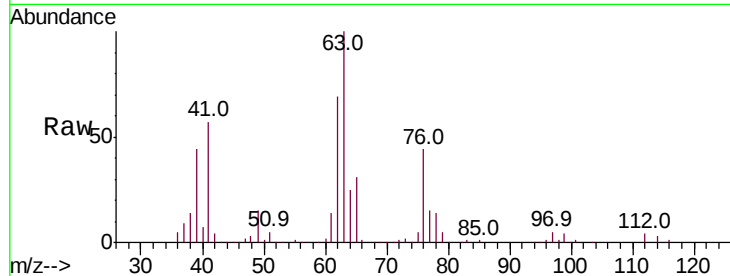
#45
 1,2-Dichloropropane
 Concen: 52.198 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 88428
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.4 36.6

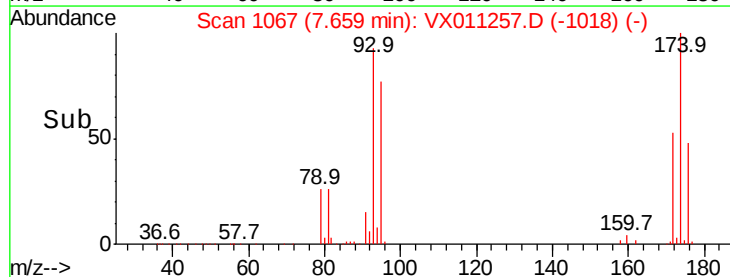
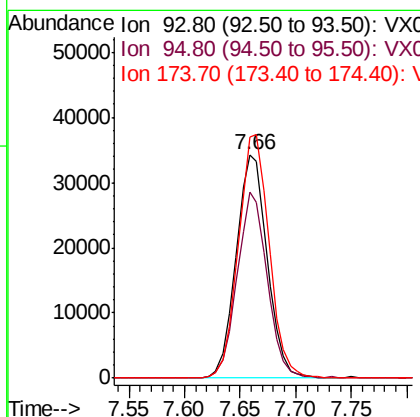
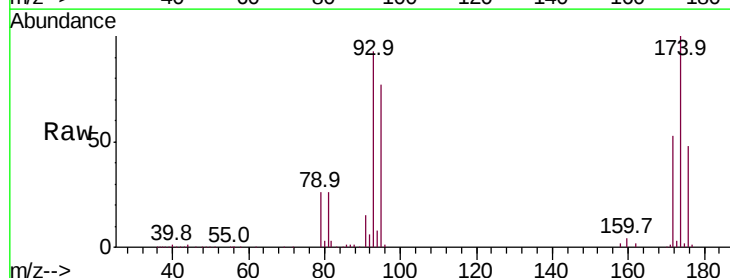
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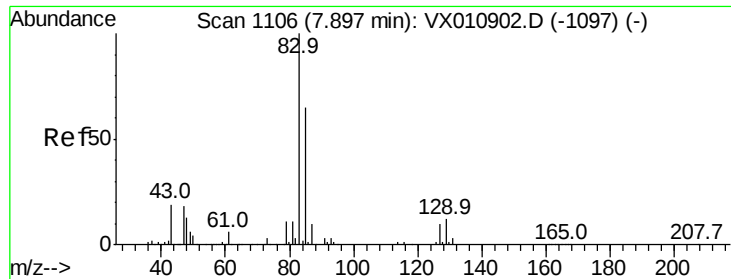
MMdadoda
 8/1/2019 12:01:11 PM



#46
 Dibromomethane
 Concen: 54.797 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion: 93 Resp: 66333
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.2 100.8
 174 108.9 90.6 135.8





#47

Bromodichloromethane

Concen: 55.531 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

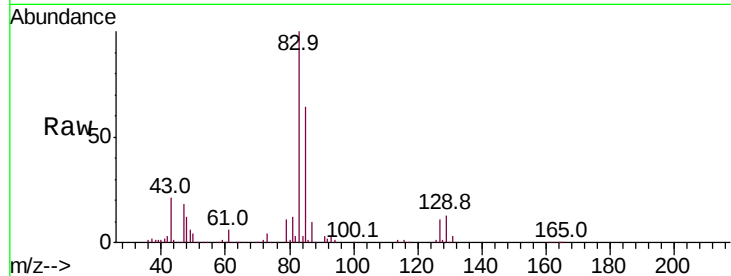
ClientSampleId :

VSTDCCC050EC

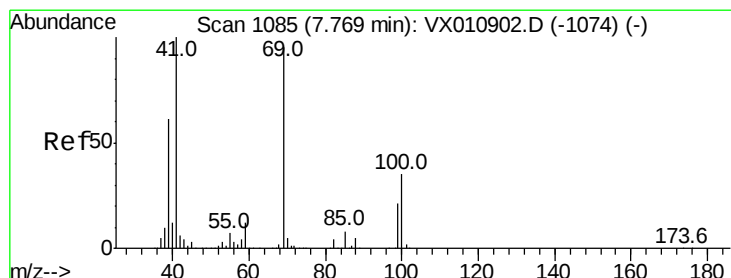
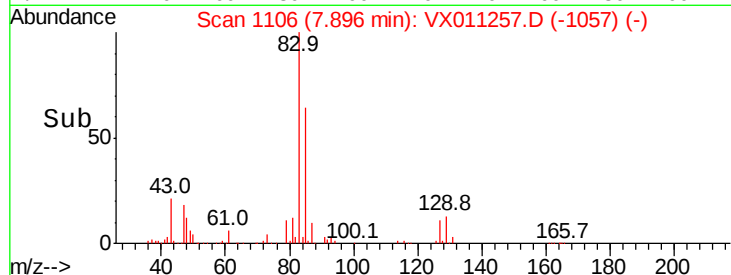
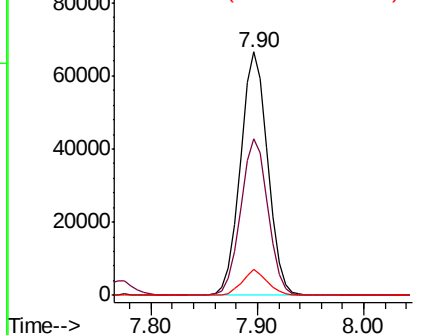
Tot Ion:	83	Resp:	119660
Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.5	78.7
127	10.5	7.8	11.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.519 ug/l

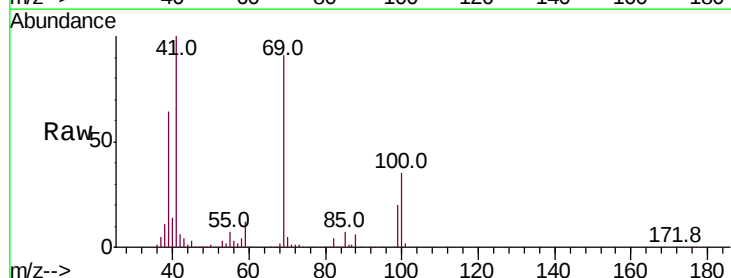
RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

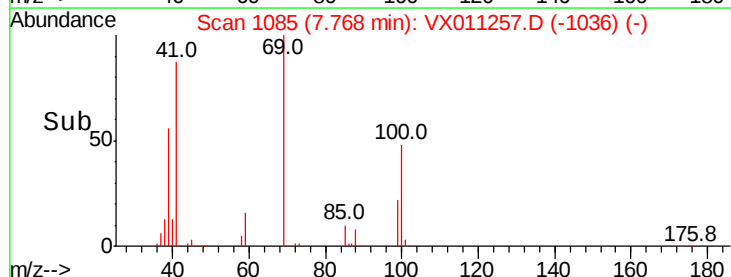
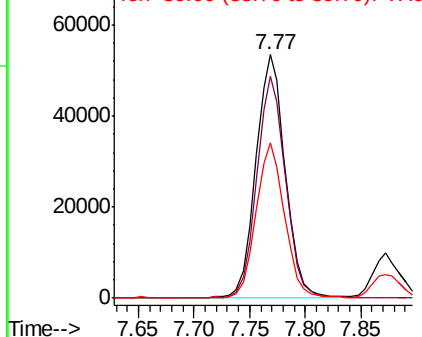
Lab File: VX011257.D

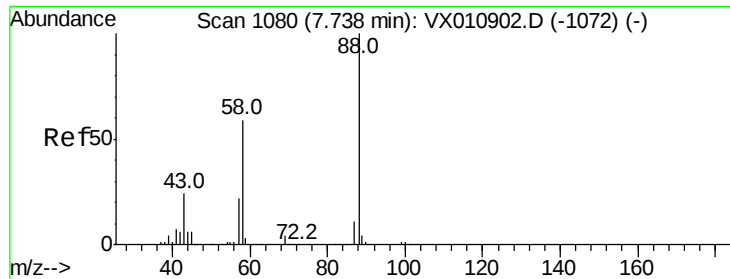
Acq: 31 Jul 2019 21:10

Tgt Ion:	41	Resp:	97167
Ion	Ratio	Lower	Upper
41	100		
69	90.1	74.4	111.6
39	61.9	48.9	73.3



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





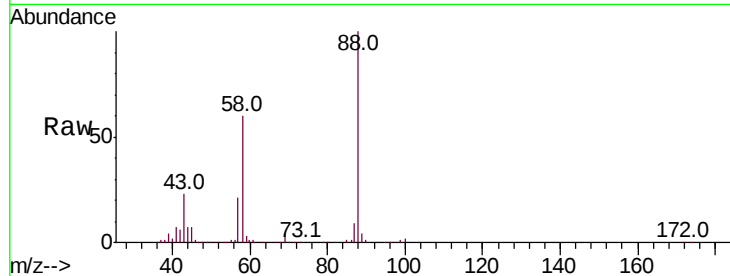
#49
1,4-Dioxane
Concen: 1014.850 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

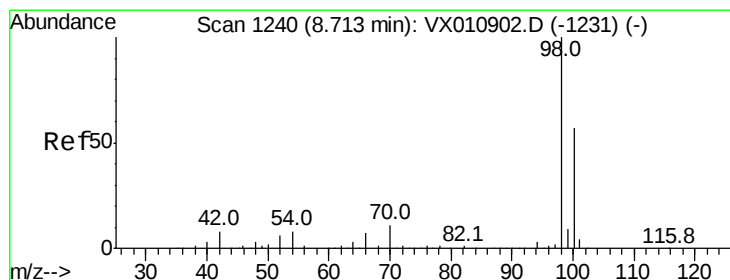
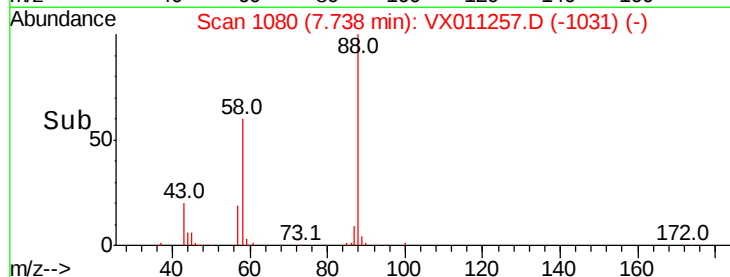
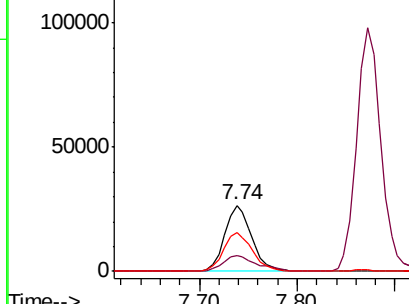
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.9	34.3
58	63.8	49.8	74.8

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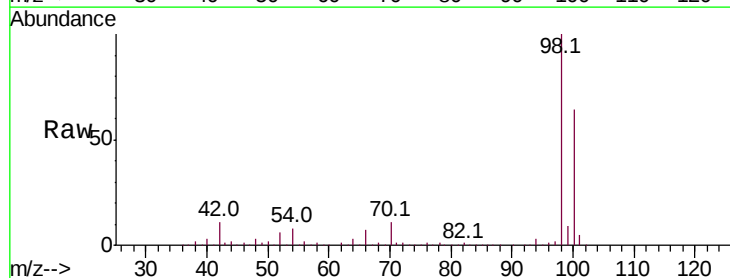


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

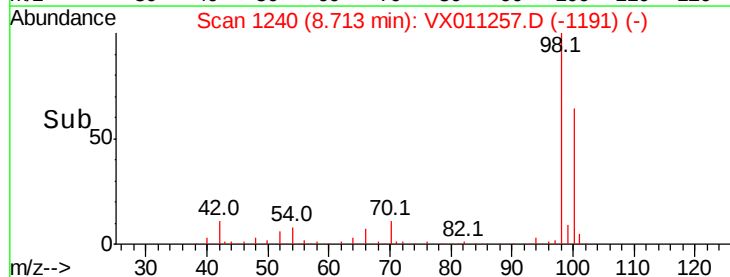
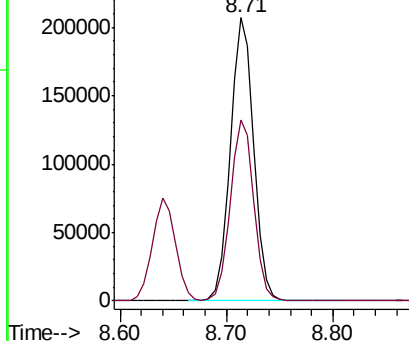


#50
Toluene-d8
Concen: 50.372 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 287.544 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 681936

Ion Ratio Lower Upper

43 100

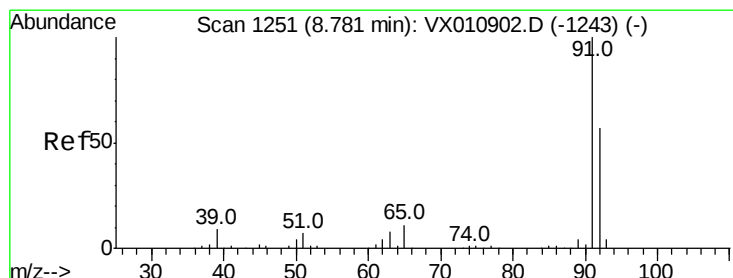
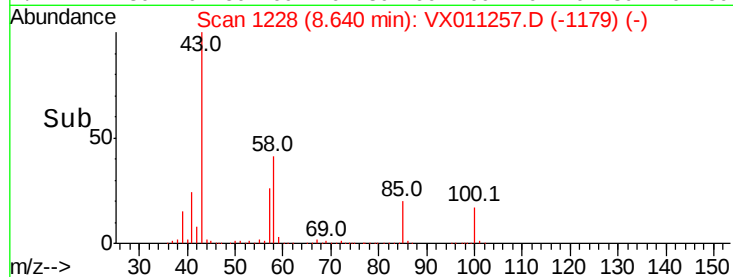
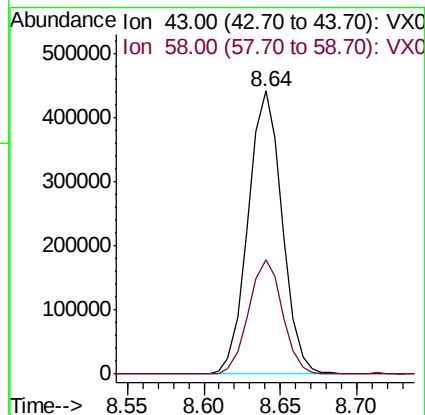
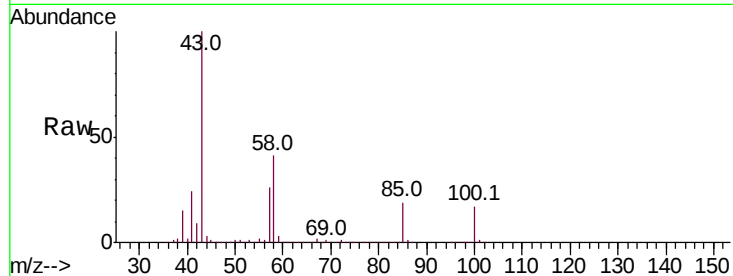
58 40.3 32.2 48.4

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#52

Toluene

Concen: 51.977 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011257.D

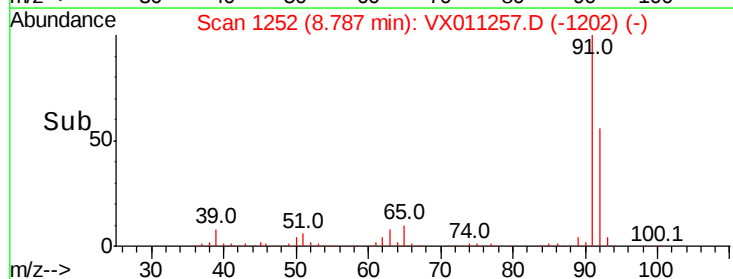
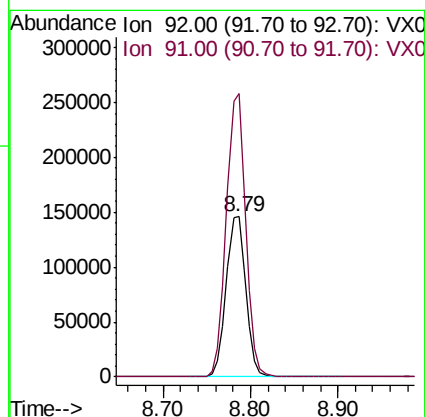
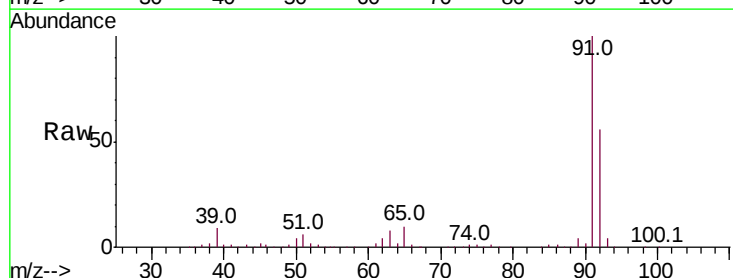
Acq: 31 Jul 2019 21:10

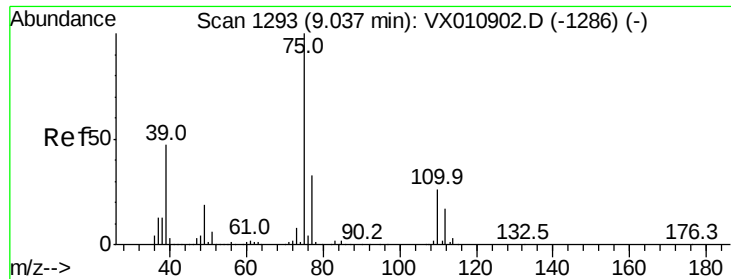
Tgt Ion: 92 Resp: 227272

Ion Ratio Lower Upper

92 100

91 174.2 139.4 209.0





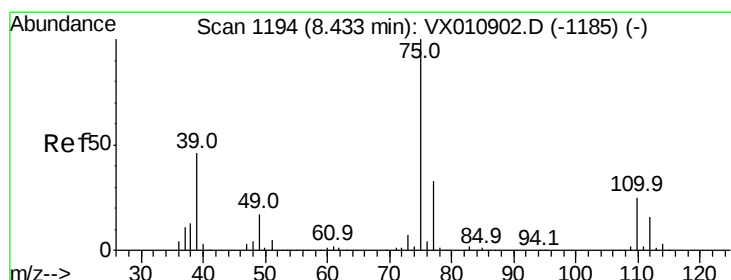
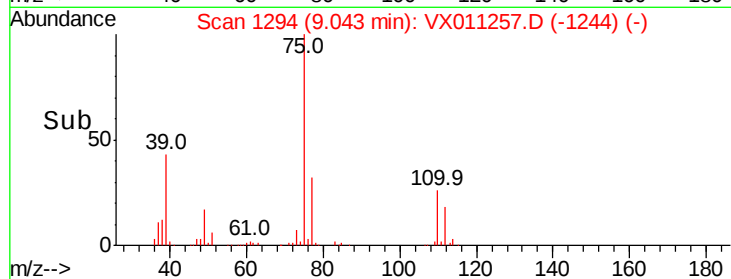
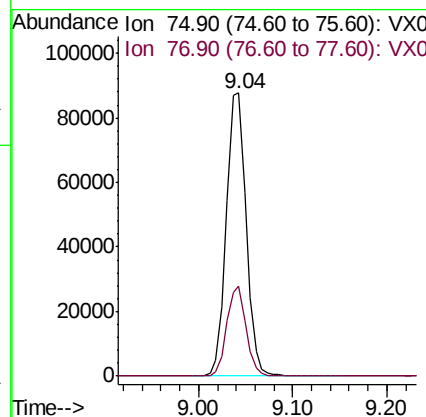
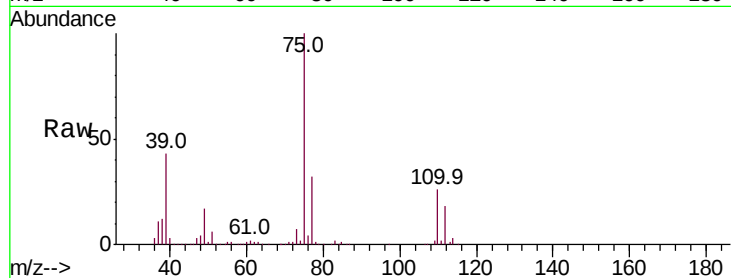
#53
 t-1,3-Dichloropropene
 Concen: 55.431 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 128433
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2

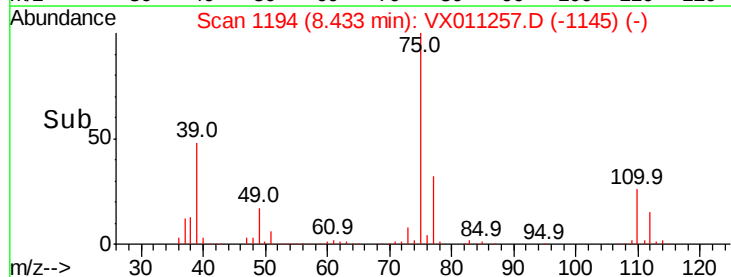
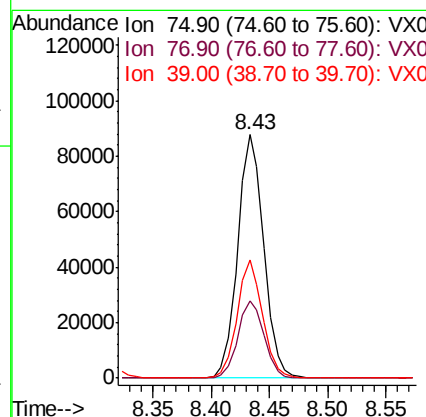
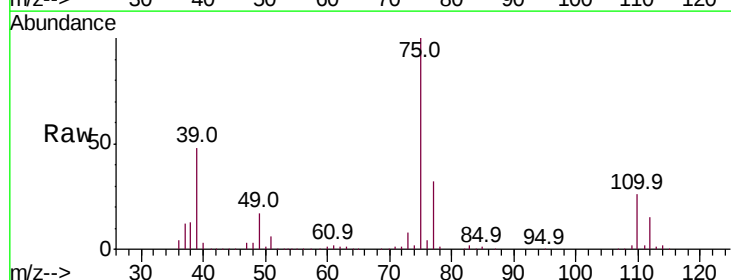
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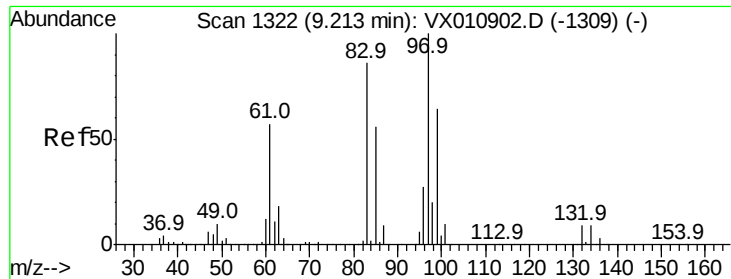
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#54
 cis-1,3-Dichloropropene
 Concen: 52.991 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion: 75 Resp: 136623
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.1 39.1
 39 48.2 36.6 54.8





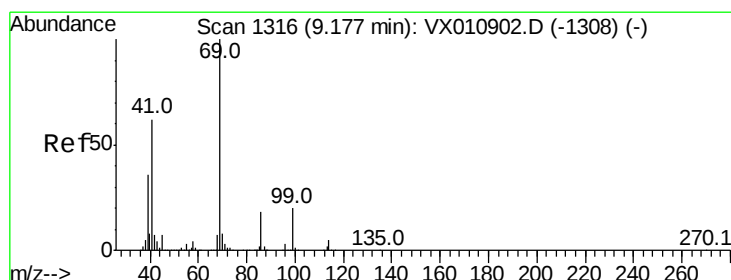
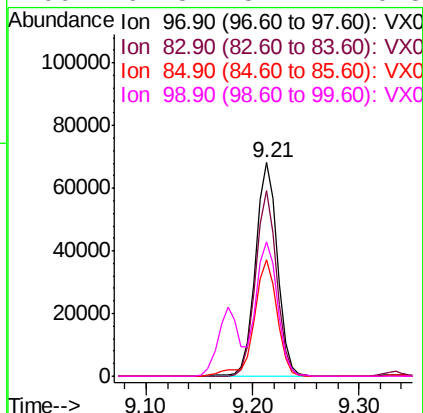
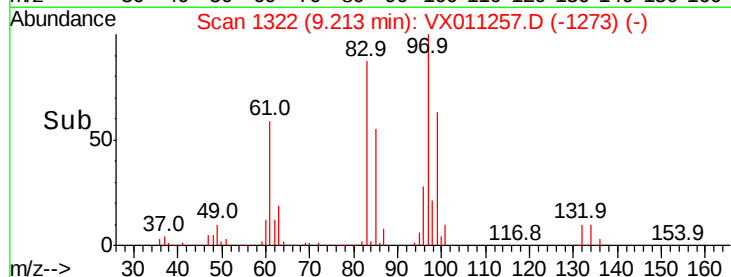
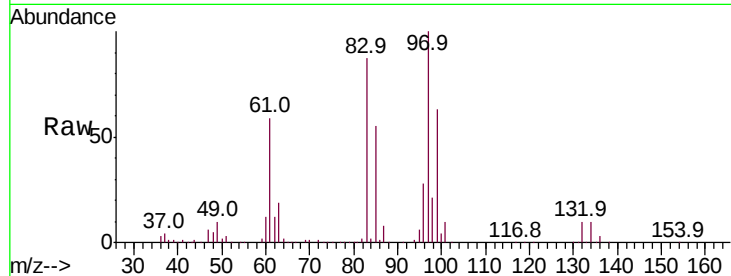
#55
 1,1,2-Trichloroethane
 Concen: 54.836 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.2	103.8
85	54.6	44.6	66.8
99	62.8	51.2	76.8

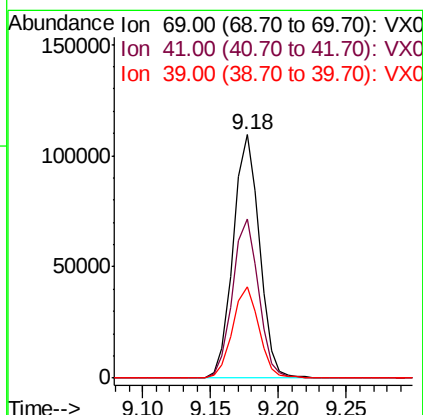
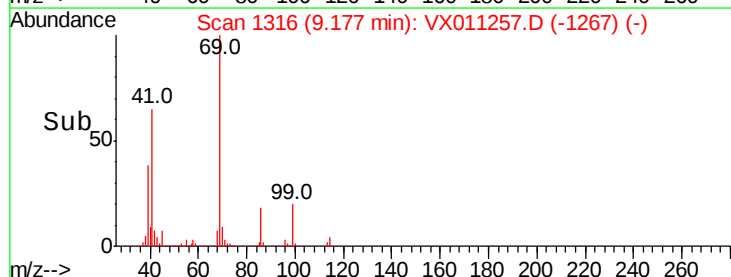
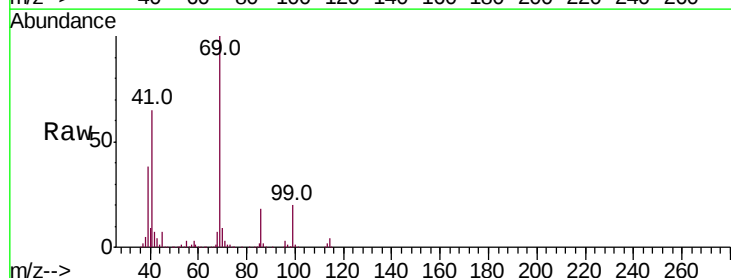
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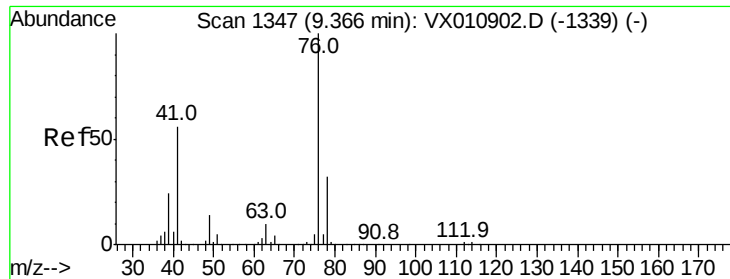
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#56
 Ethyl methacrylate
 Concen: 56.084 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.6	49.7	74.5
39	37.7	29.6	44.4





#57

1,3-Dichloropropane

Concen: 53.923 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 154008

Ion Ratio Lower Upper

76 100

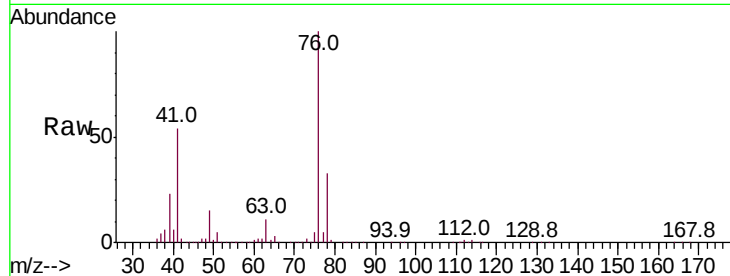
78 32.5 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

120000

100000

80000

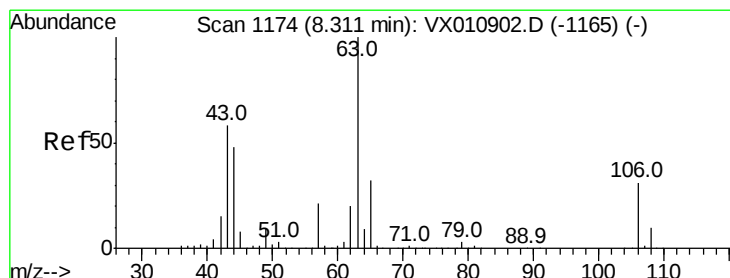
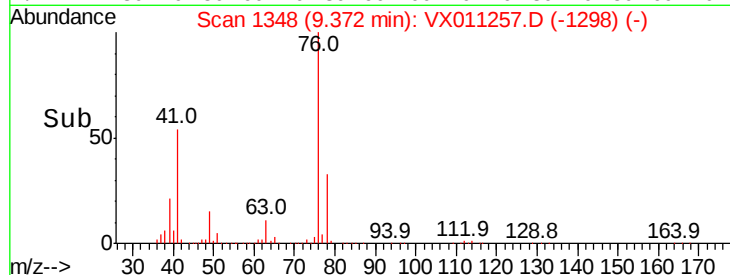
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 281.671 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX011257.D

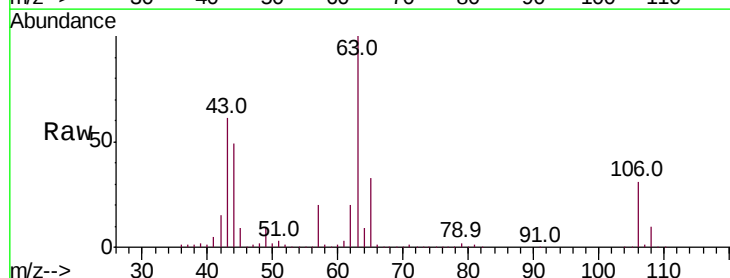
Acq: 31 Jul 2019 21:10

Tgt Ion: 63 Resp: 354098

Ion Ratio Lower Upper

63 100

106 30.3 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

250000

200000

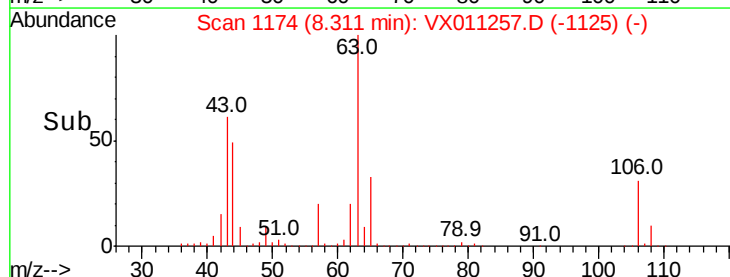
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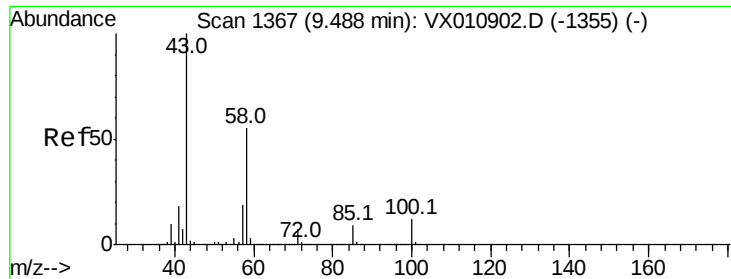
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50000

0

Time-->





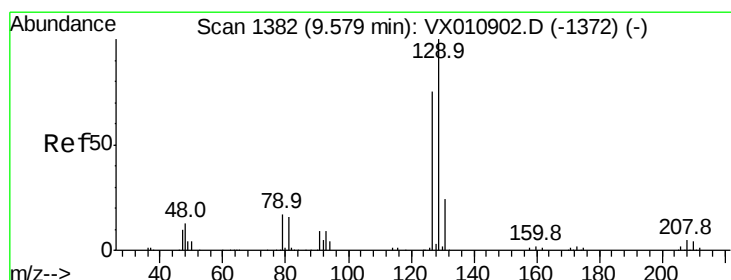
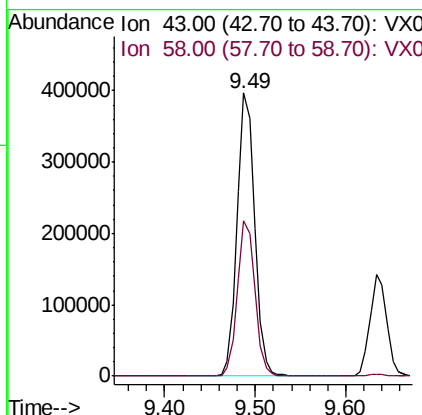
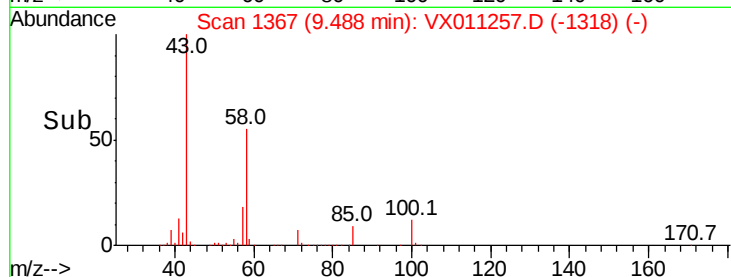
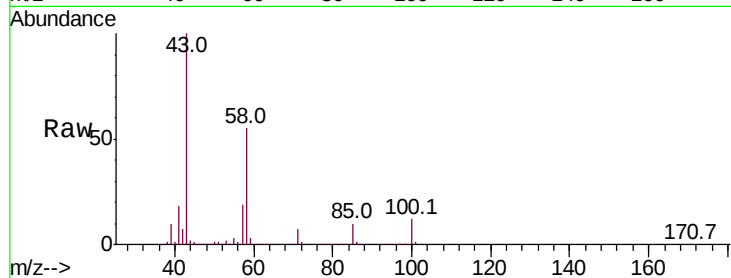
#59
2-Hexanone
Concen: 290.929 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 535148
Ion Ratio Lower Upper
43 100
58 55.0 28.0 83.9

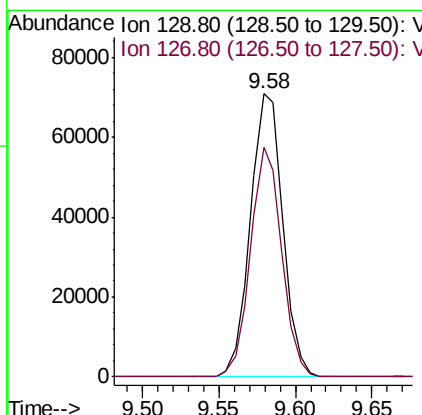
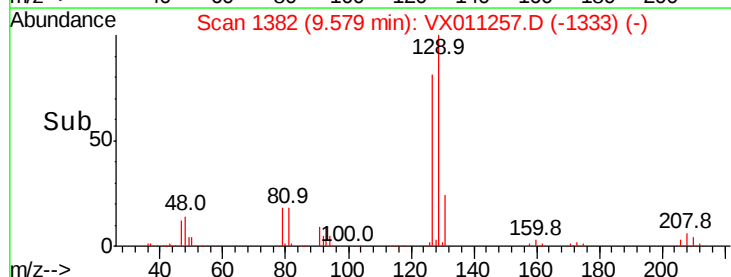
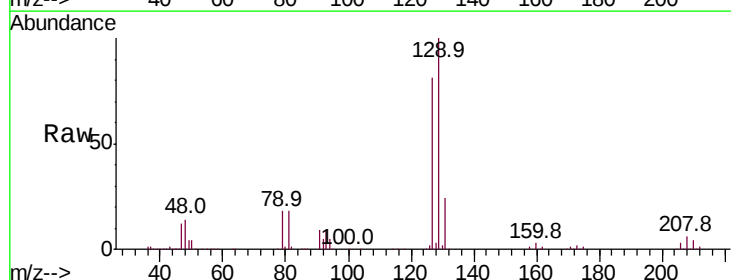
Manual Integrations
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#60
Dibromochloromethane
Concen: 50.562 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion: 129 Resp: 104826
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 55.261 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

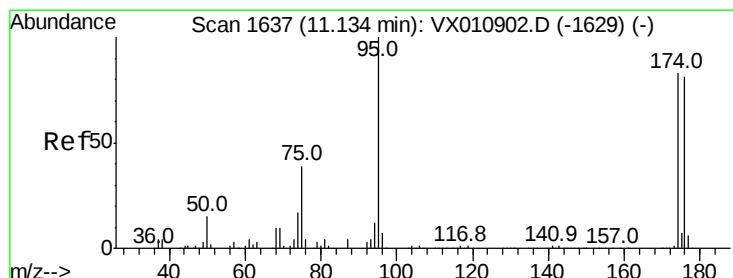
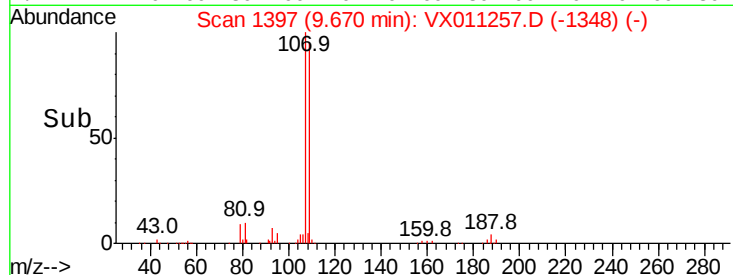
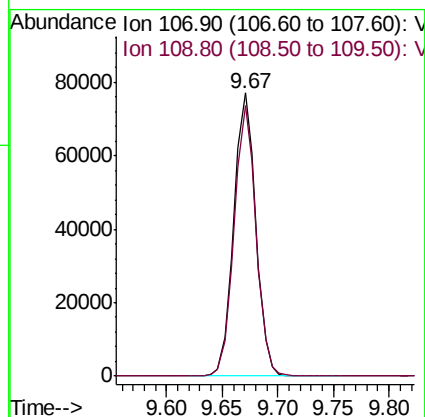
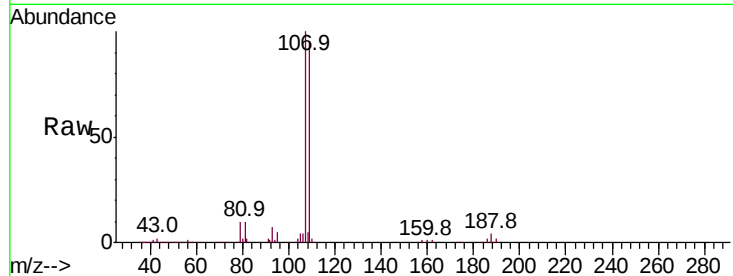
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	105585		
109	94.8	75.4	113.0	

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 53.249 ug/l

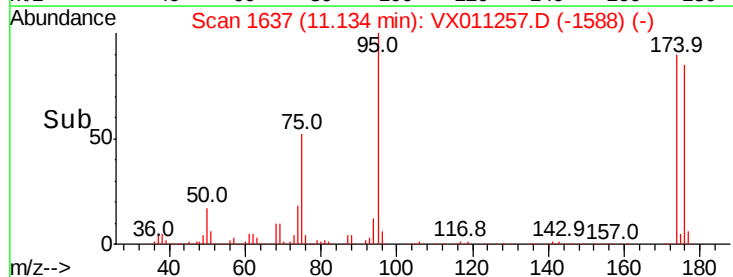
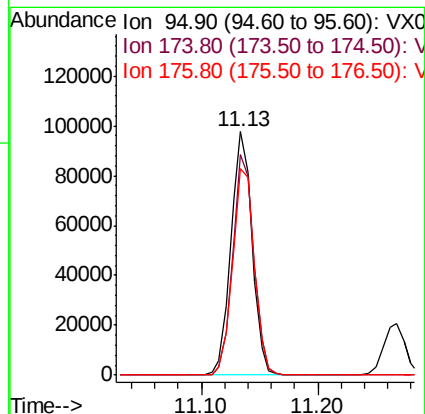
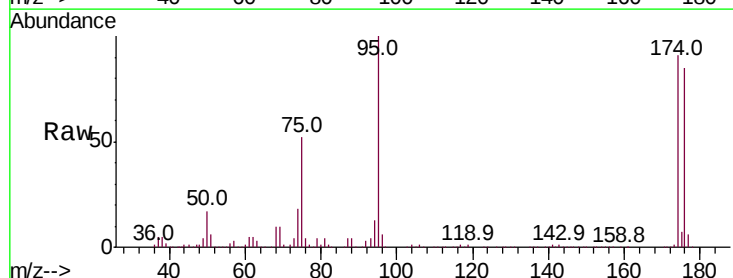
RT: 11.13 min Scan# 1637

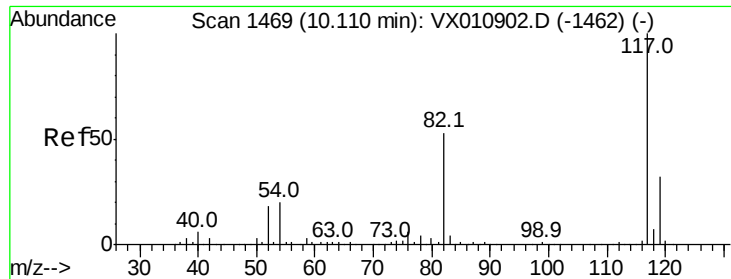
Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	123258		
174	90.3	0.0	180.6	
176	88.0	0.0	173.8	





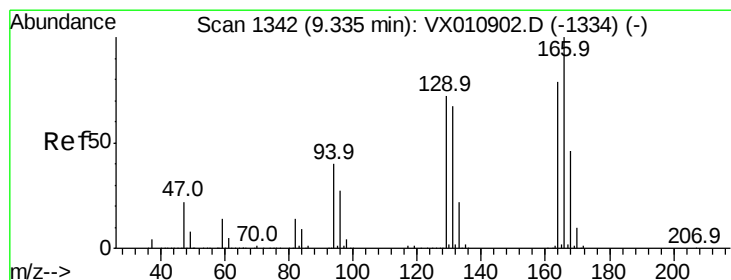
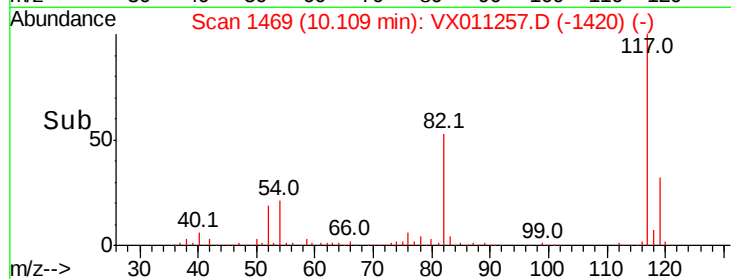
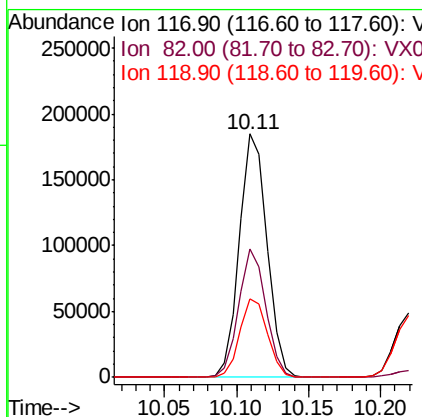
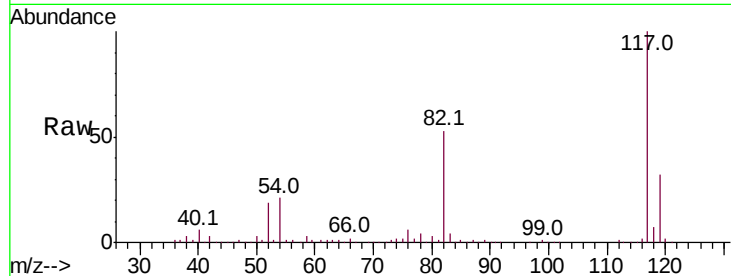
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	63.8
119	32.3	25.9	38.9

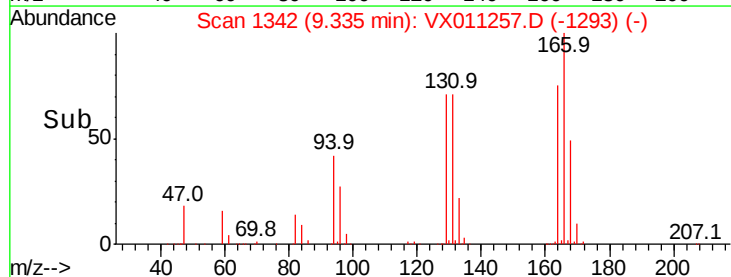
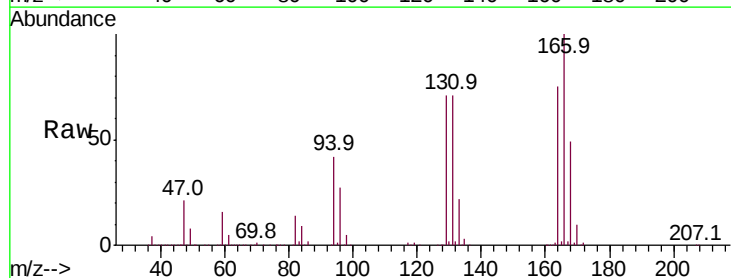
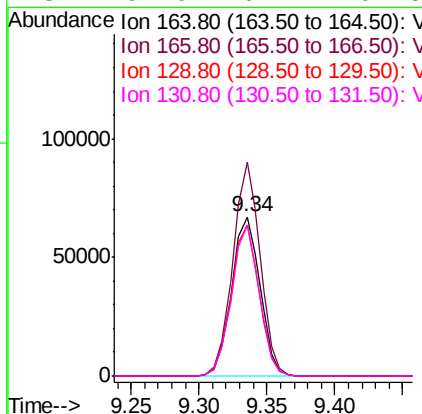
Manual Integrations
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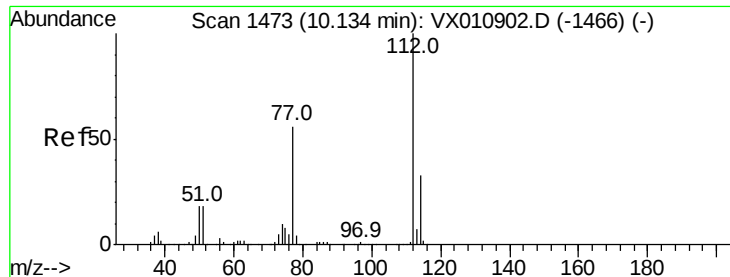
MMDadoda
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#64
Tetrachloroethene
Concen: 50.218 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	100.8	151.2
129	94.5	72.6	109.0
131	94.9	67.7	101.5





#65

Chlorobenzene

Concen: 51.337 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 260917

Ion Ratio Lower Upper

112 100

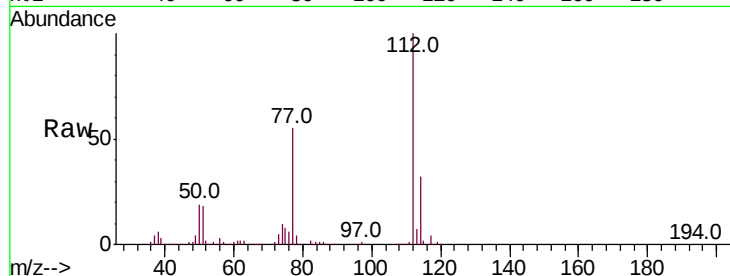
114 32.2 26.2 39.4

Manual Integrations

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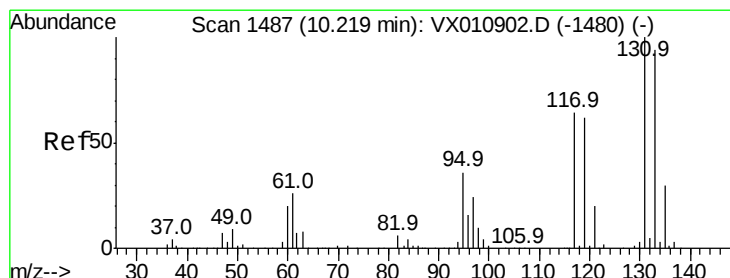
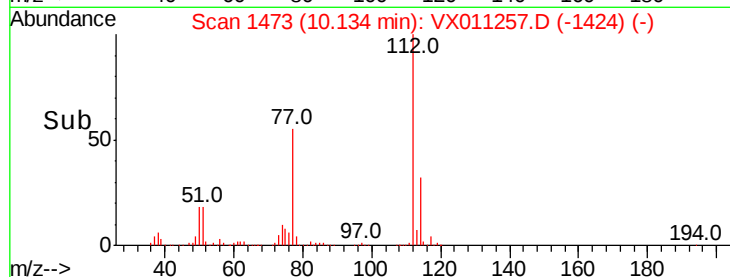
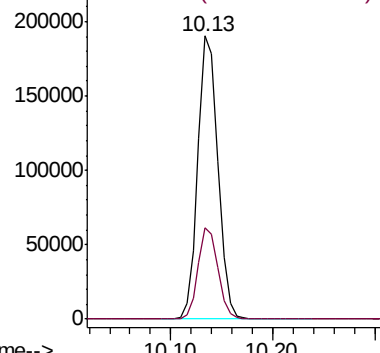
MMdadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.251 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

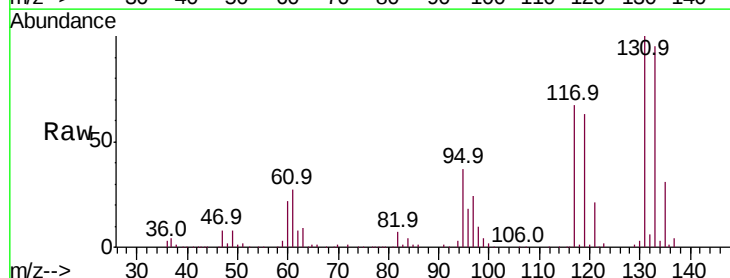
Tgt Ion:131 Resp: 98691

Ion Ratio Lower Upper

131 100

133 95.2 47.1 141.4

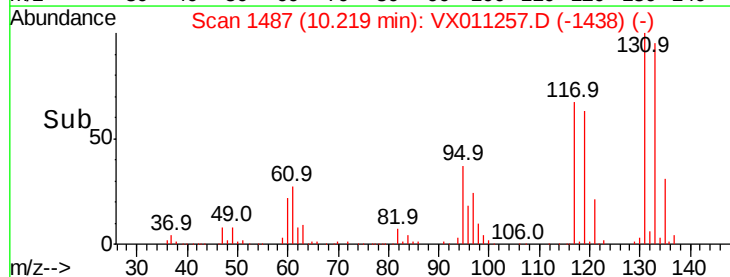
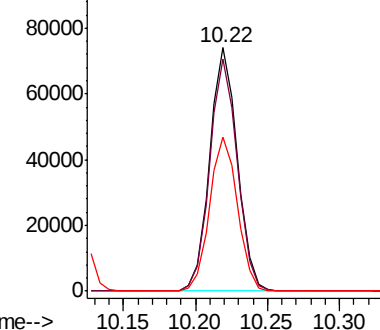
119 63.9 31.9 95.7

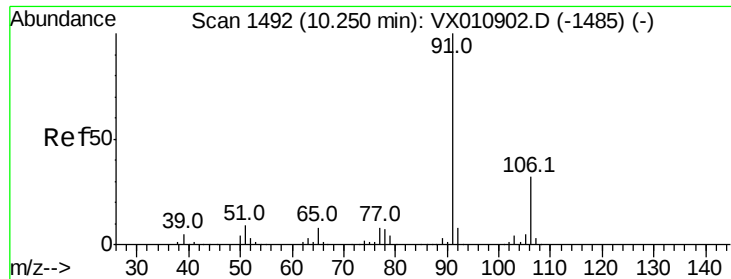


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





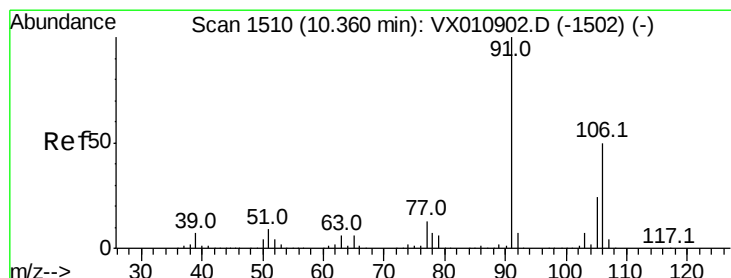
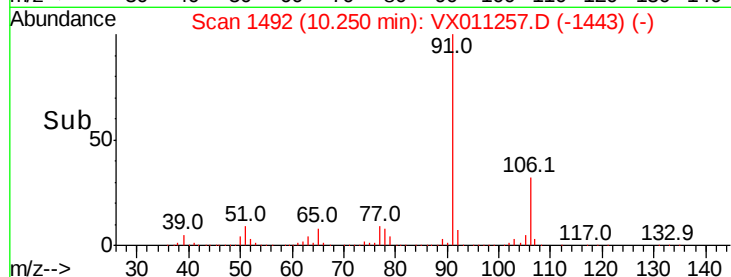
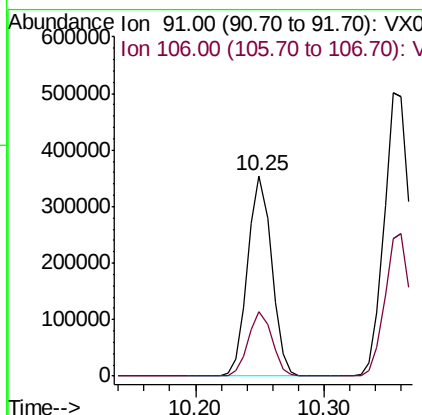
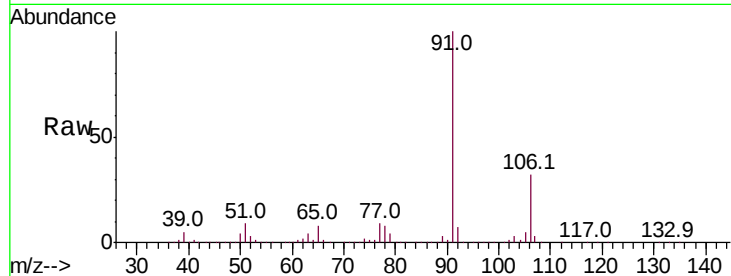
#67
Ethyl Benzene
Concen: 52.428 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 453547
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

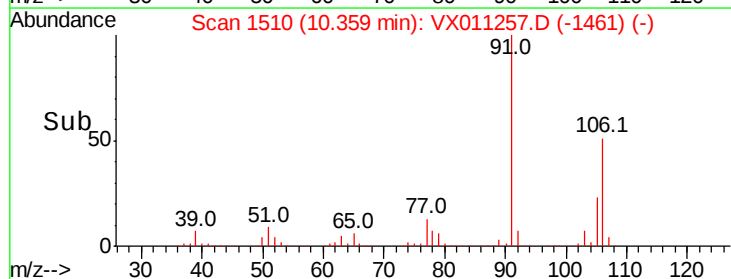
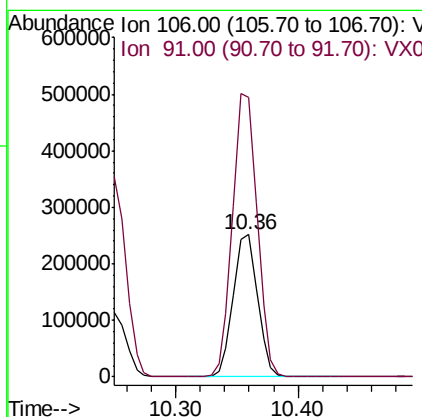
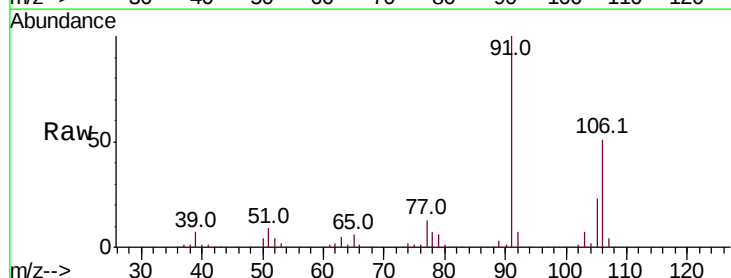
Manual Integrations
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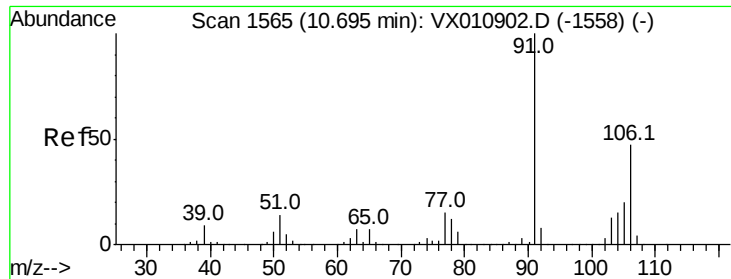
MMDadoda
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#68
m/p-Xylenes
Concen: 104.580 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion: 106 Resp: 347038
Ion Ratio Lower Upper
106 100
91 201.2 160.1 240.1





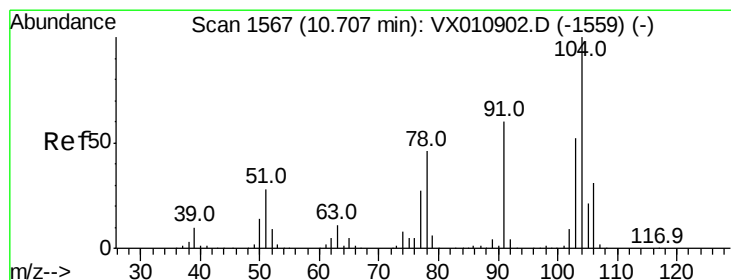
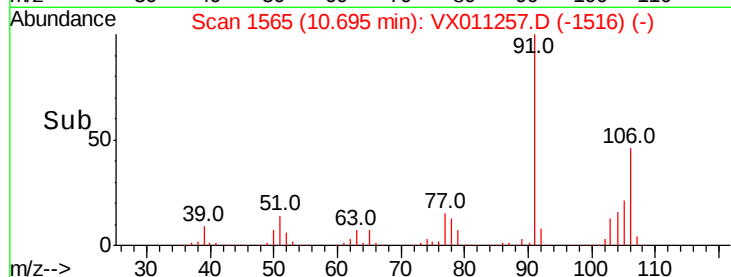
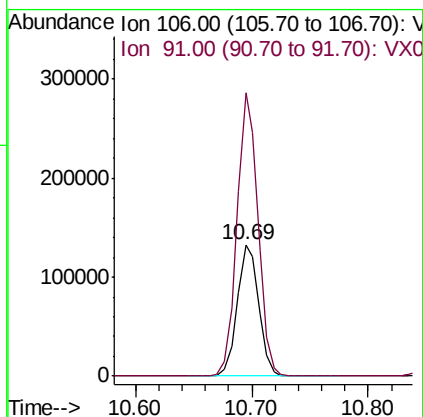
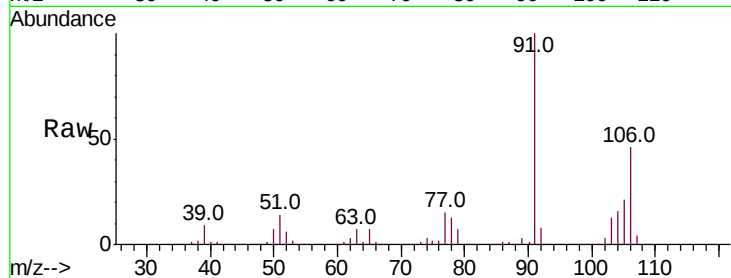
#69
o-Xylene
Concen: 52.647 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 170503
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.3

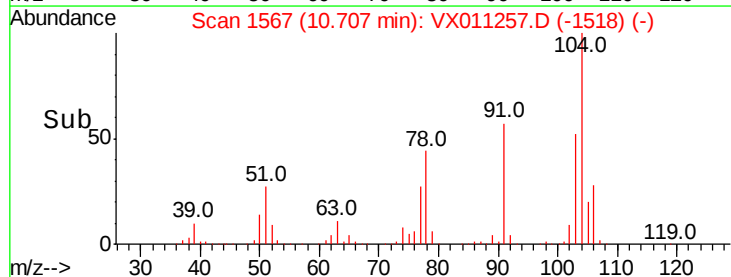
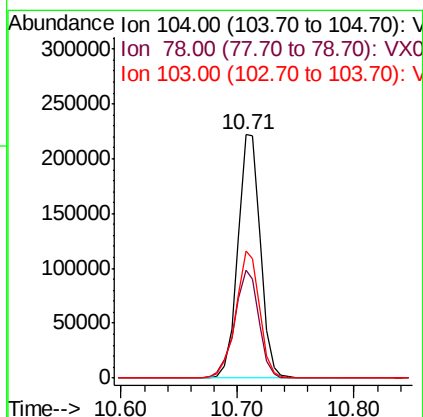
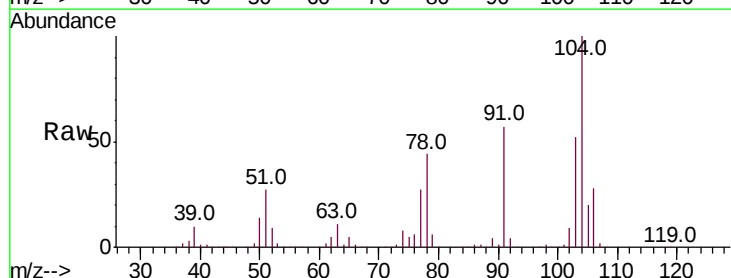
Manual Integrations
APPROVED

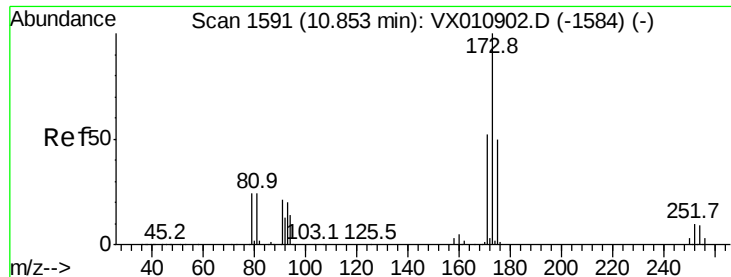
MMdadoda
8/1/2019 12:01:11 PM



#70
Styrene
Concen: 55.427 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion:104 Resp: 299235
Ion Ratio Lower Upper
104 100
78 48.1 38.8 58.2
103 54.7 44.2 66.4





#71

Bromoform

Concen: 48.875 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 79391

Ion Ratio Lower Upper

173 100

175 49.6 24.6 73.6

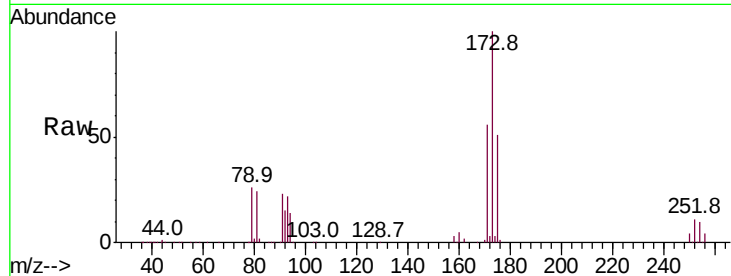
254 0.1 0.1 0.1

Manual Integrations

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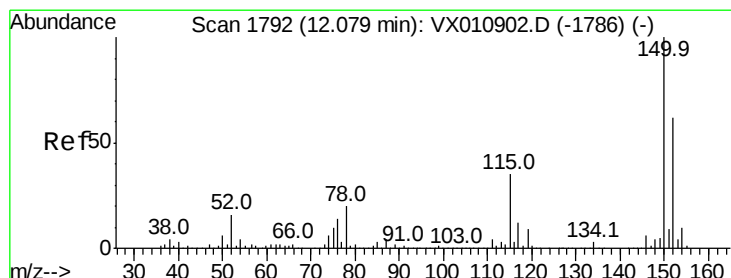
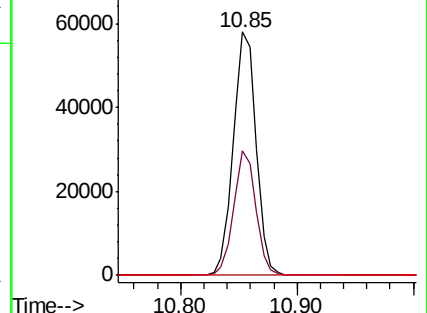
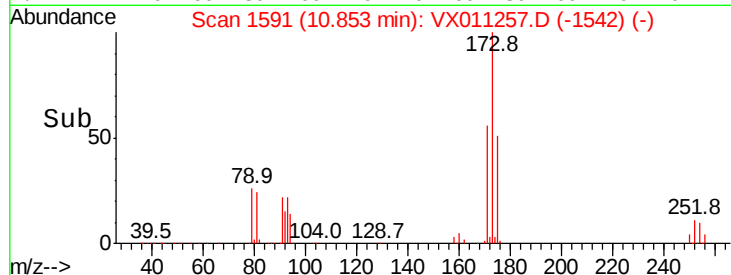
8/1/2019 12:01:11 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

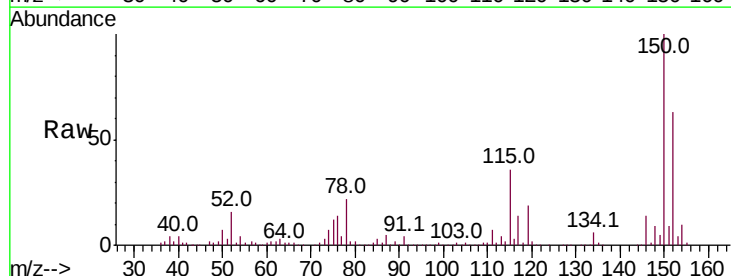
Tgt Ion:152 Resp: 136264

Ion Ratio Lower Upper

152 100

115 81.8 39.7 119.1

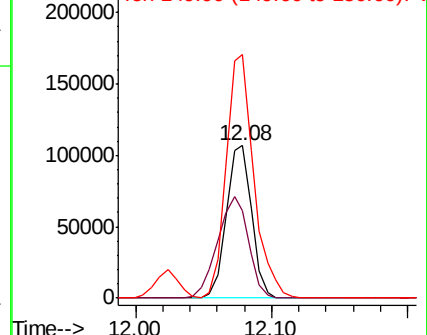
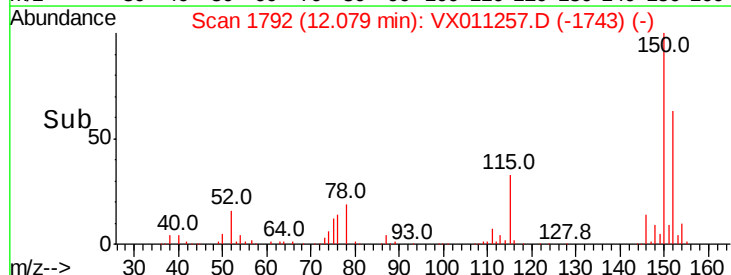
150 175.0 0.0 345.6

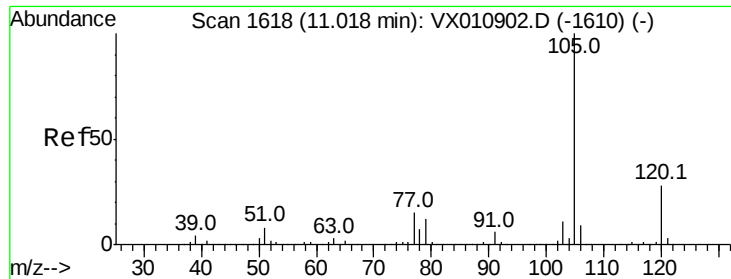


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.308 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 472412

Ion Ratio Lower Upper

105 100

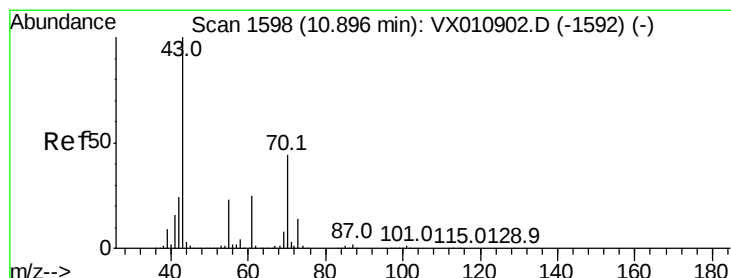
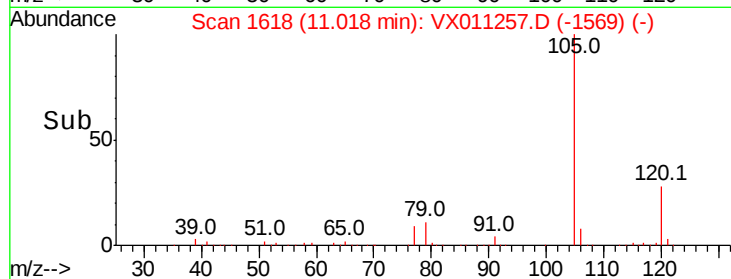
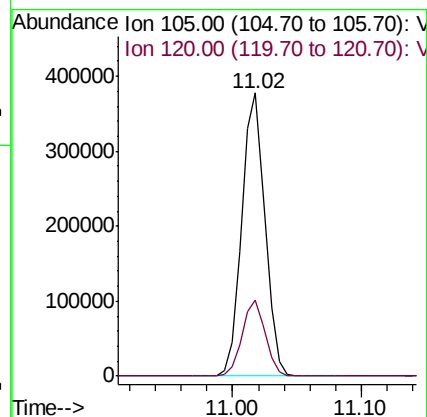
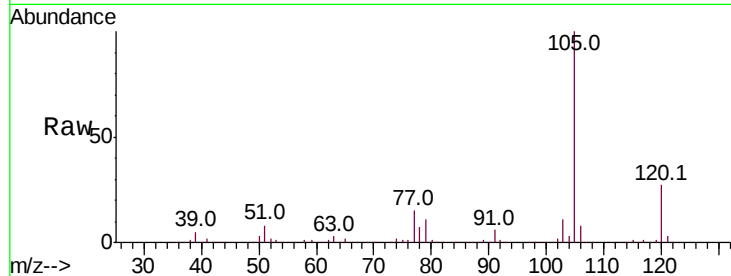
120 26.7 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.136 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion: 43 Resp: 186936

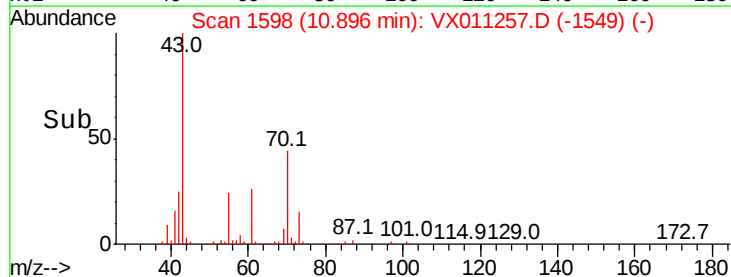
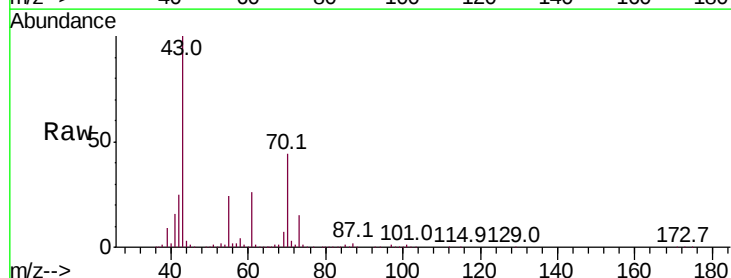
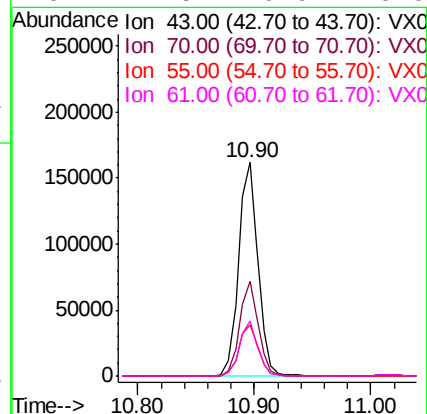
Ion Ratio Lower Upper

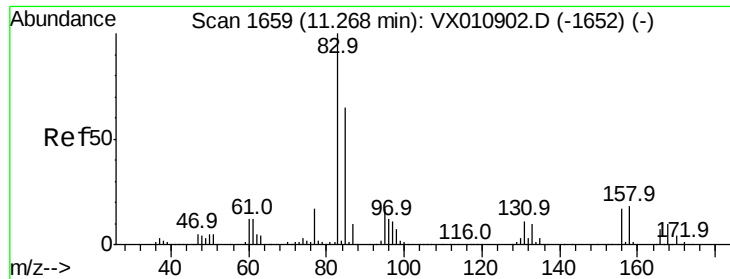
43 100

70 43.2 34.7 52.1

55 24.6 19.1 28.7

61 24.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 53.414 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

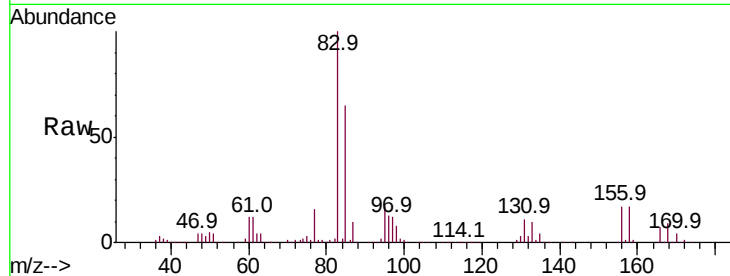
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	160944
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.4
85	64.0	32.3	96.9

Manual Integrations
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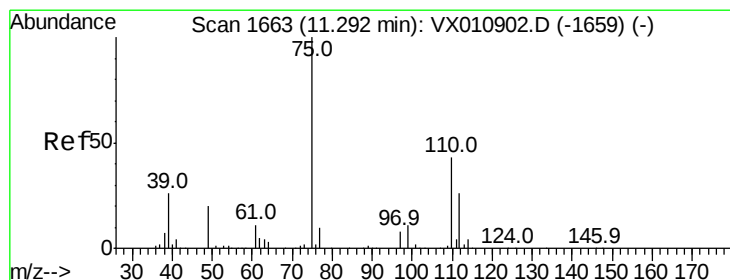
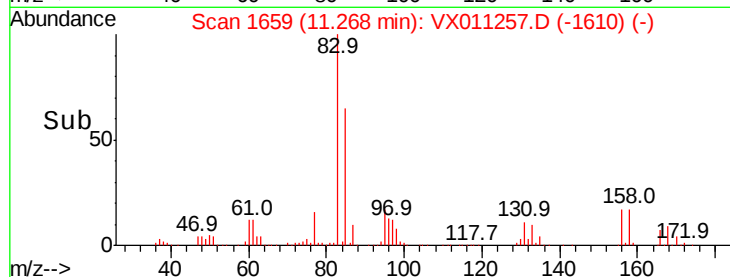
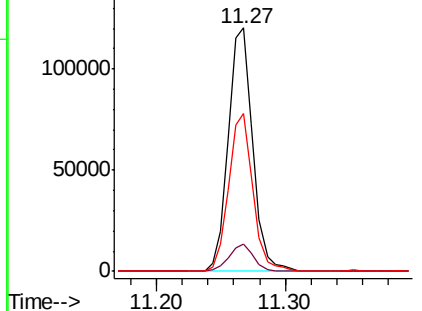
MMDadoda
8/1/2019 12:01:11 PM



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: 54.766 ug/l m

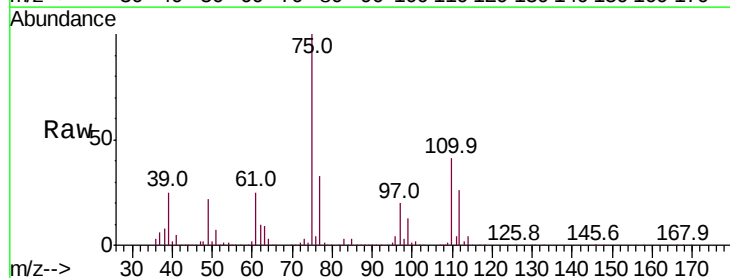
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX011257.D

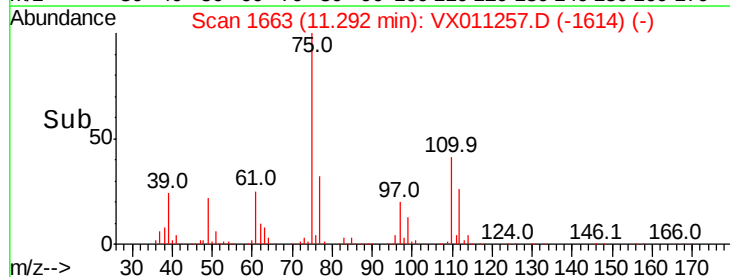
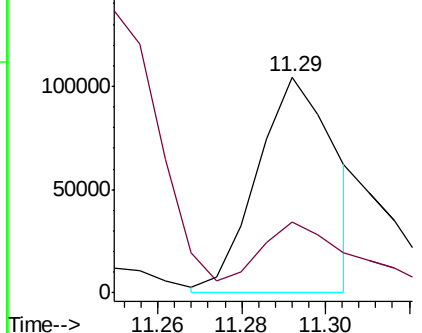
Acq: 31 Jul 2019 21:10

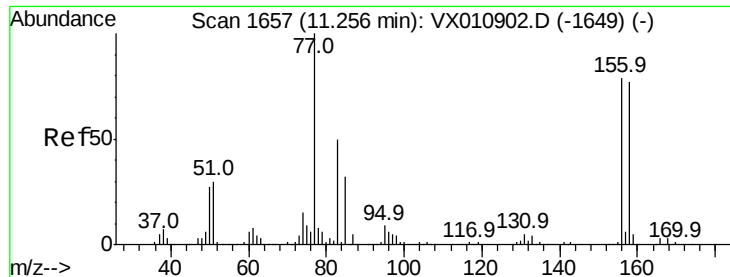
Tgt Ion:	75	Resp:	134666
Ion Ratio	Lower	Upper	
75	100		
77	41.6	21.3	64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.094 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 127223

Ion Ratio Lower Upper

156 100

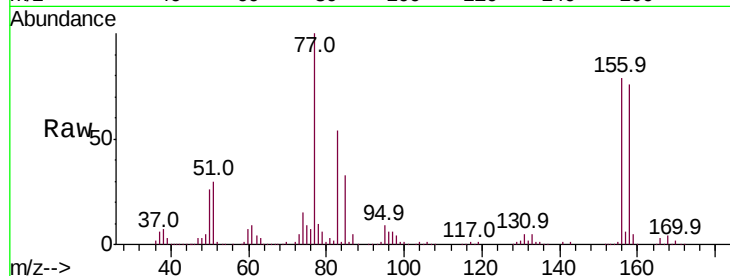
77 138.9 68.7 206.1

158 97.8 47.9 143.7

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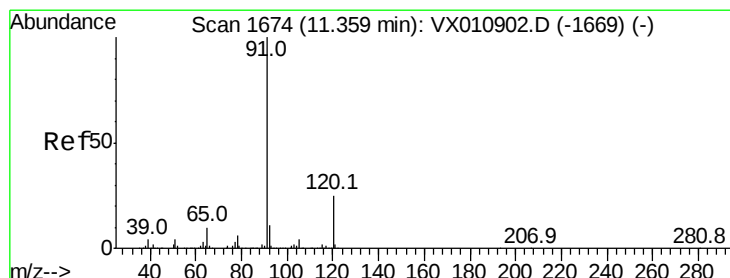
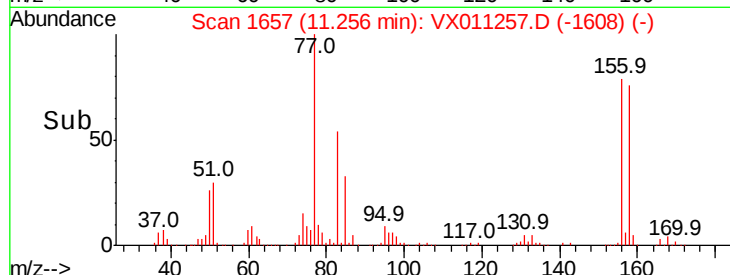
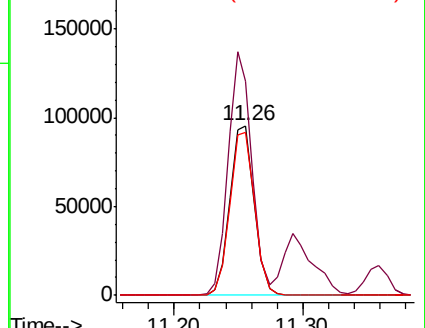
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.477 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011257.D

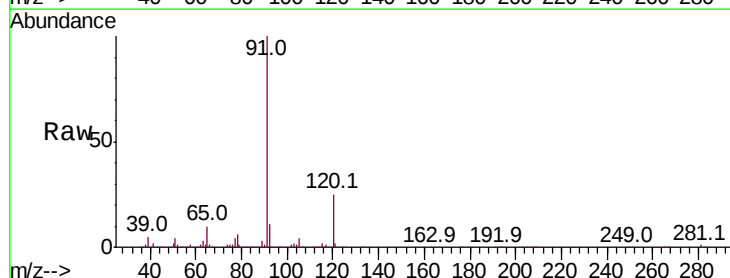
Acq: 31 Jul 2019 21:10

Tgt Ion: 91 Resp: 523696

Ion Ratio Lower Upper

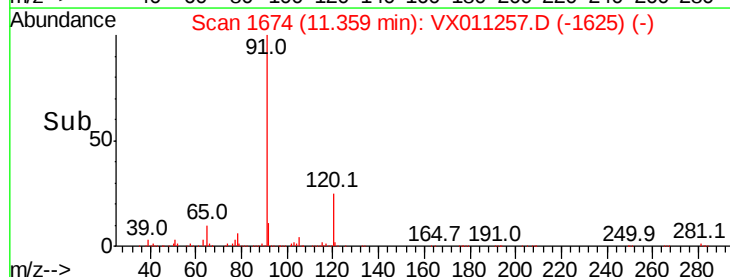
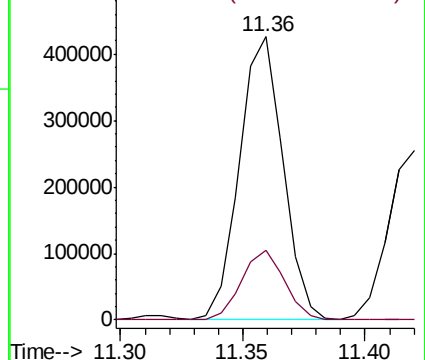
91 100

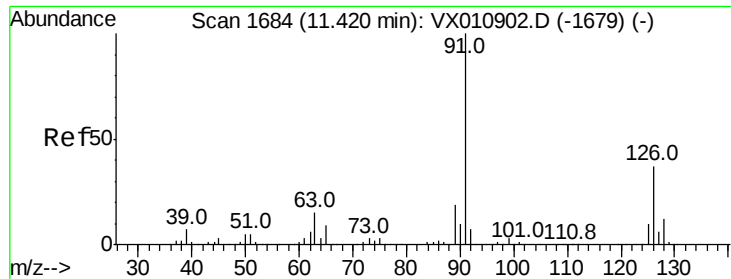
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.717 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 316064

Ion Ratio Lower Upper

91 100

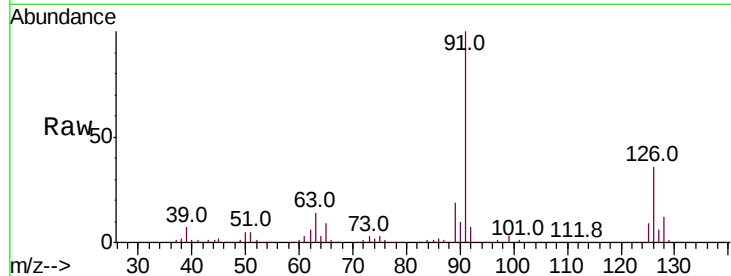
126 35.1 18.0 54.0

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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

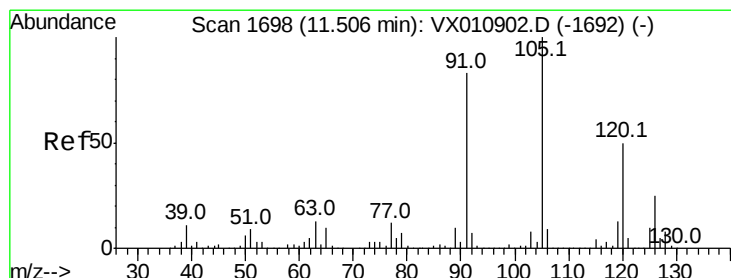
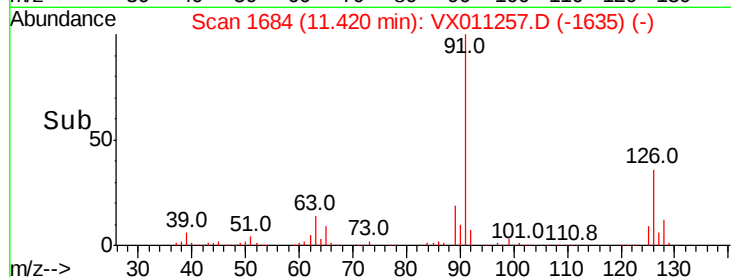
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.280 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011257.D

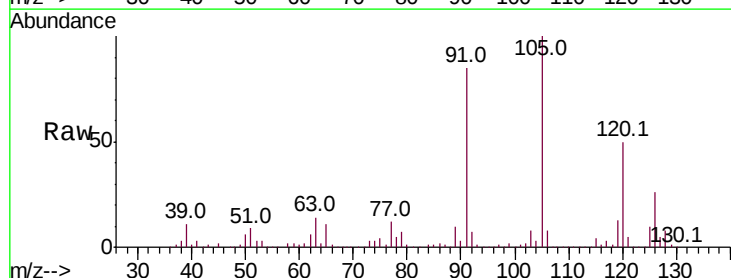
Acq: 31 Jul 2019 21:10

Tgt Ion: 105 Resp: 394529

Ion Ratio Lower Upper

105 100

120 49.9 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) (-)

300000

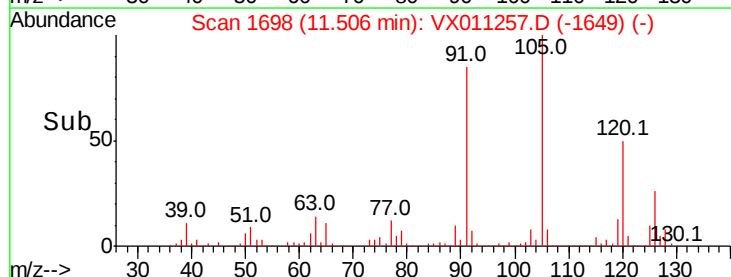
200000

100000

0

11.50 11.60

Time-->





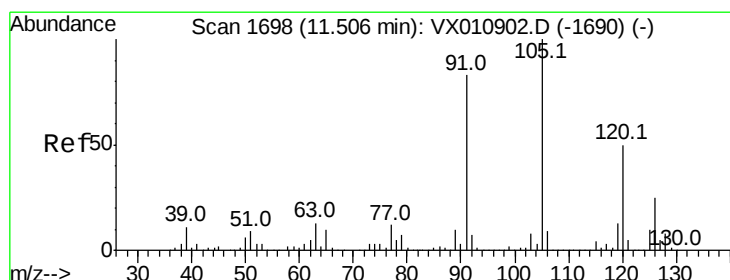
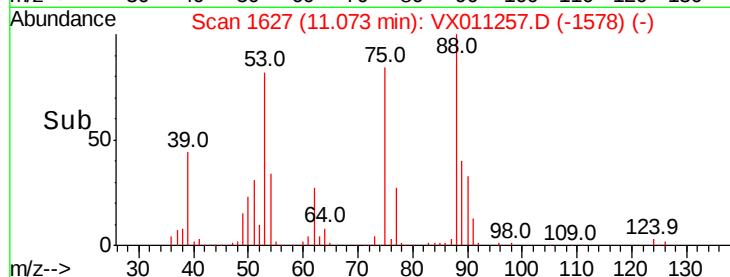
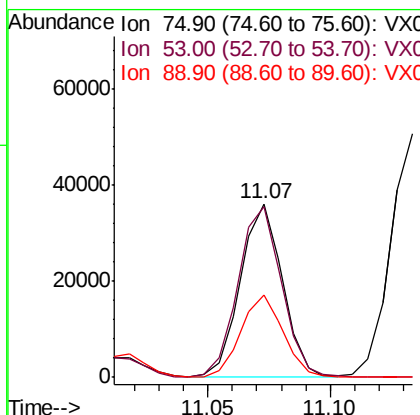
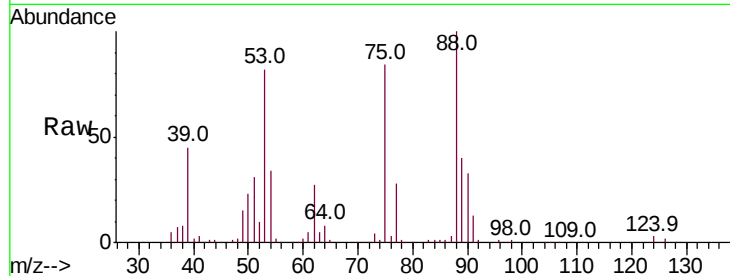
#81
trans-1,4-Dichloro-2-butene
Concen: 45.110 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	76.7	115.1
89	47.8	38.5	57.7

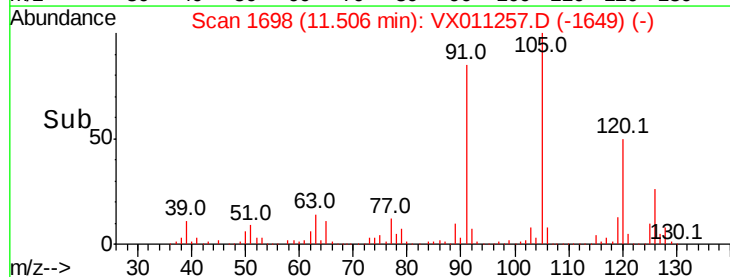
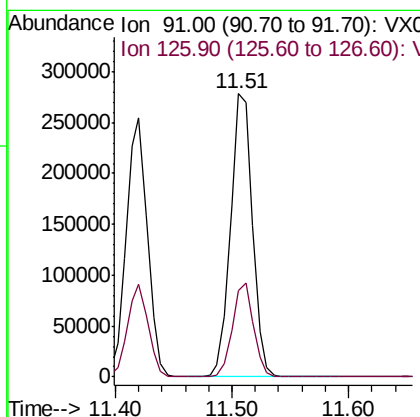
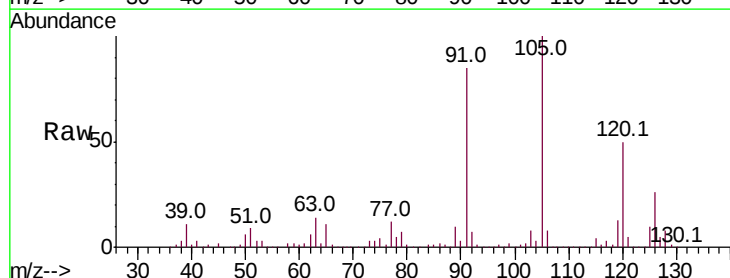
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#82
4-Chlorotoluene
Concen: 51.191 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





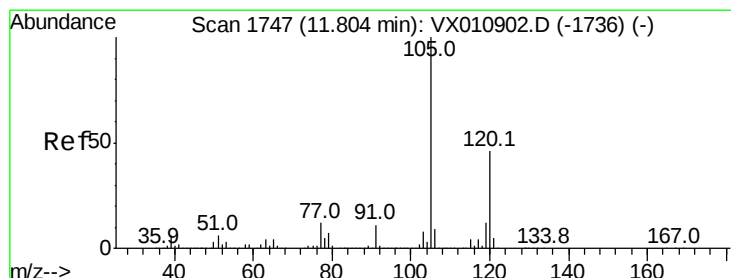
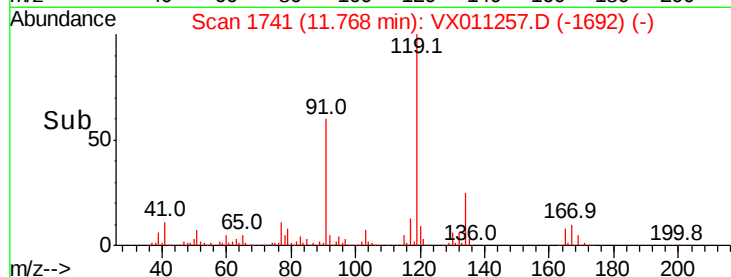
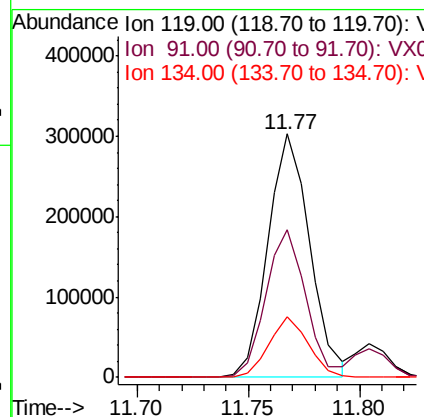
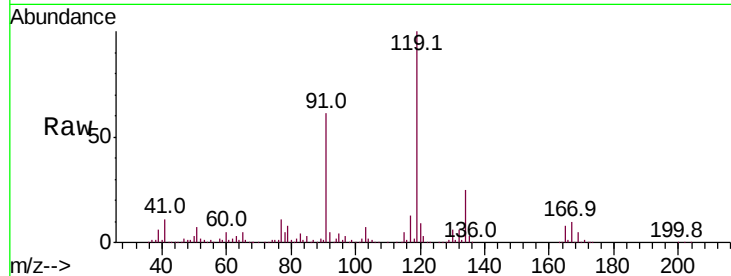
#83
 tert-Butylbenzene
 Concen: 52.064 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	393453		
91	58.6	28.6	85.8	
134	23.4	11.6	34.8	

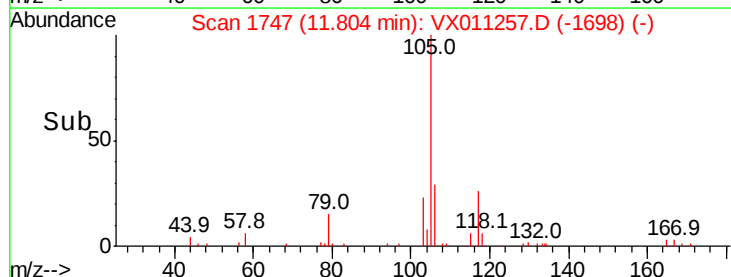
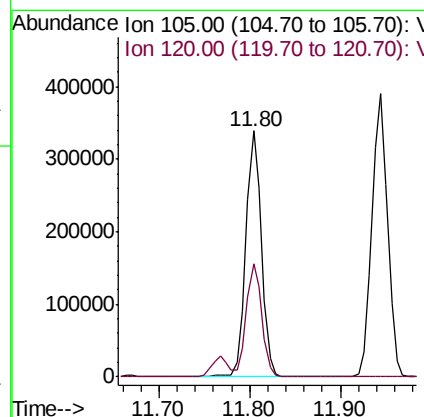
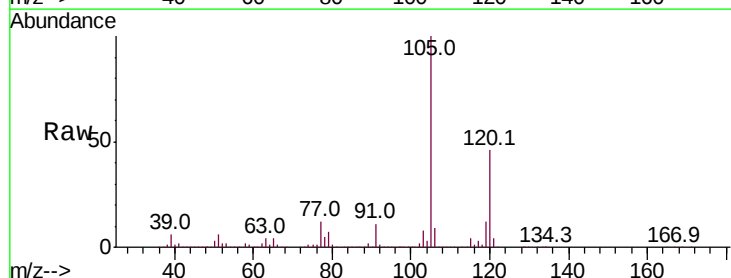
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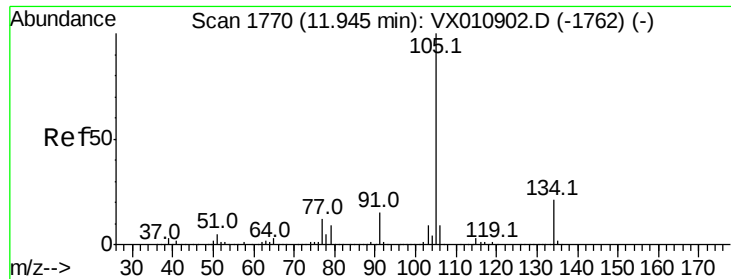
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.917 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	402591		
120	45.9	22.9	68.5	





#85

sec-Butylbenzene

Concen: 52.721 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 466838

Ion Ratio Lower Upper

105 100

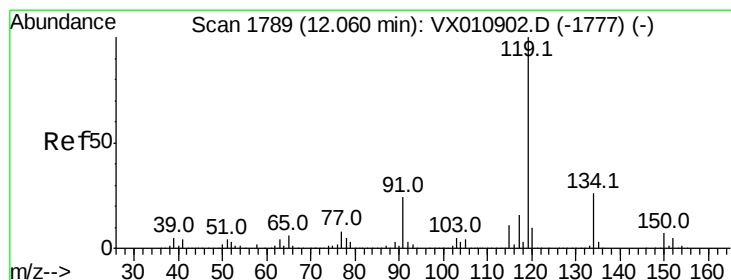
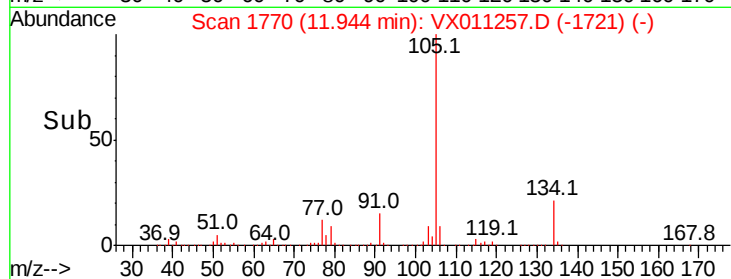
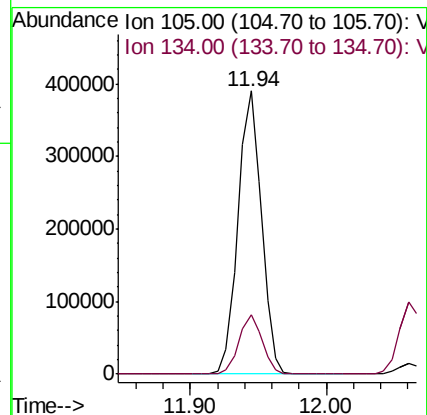
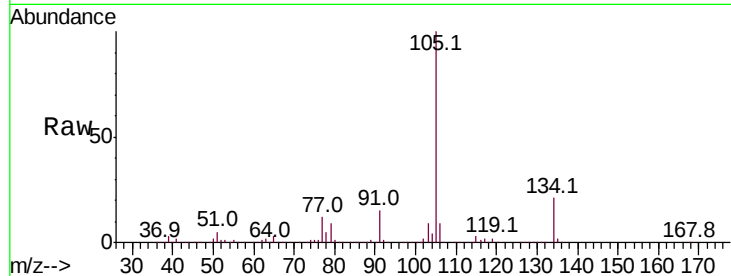
134 20.6 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 52.686 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

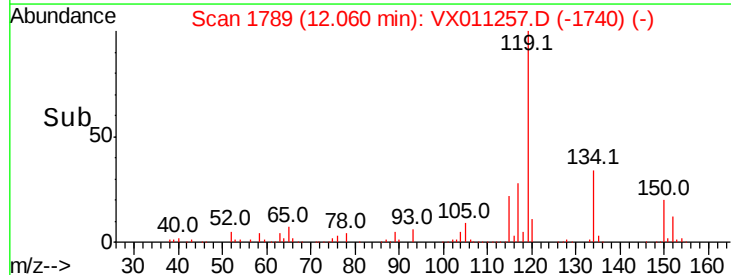
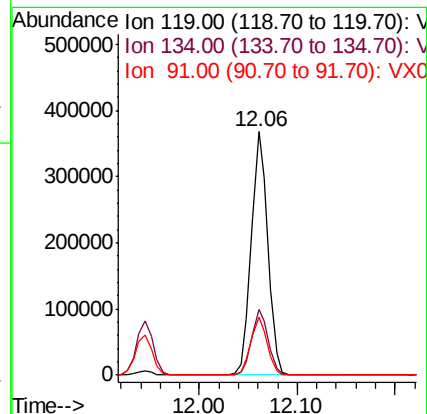
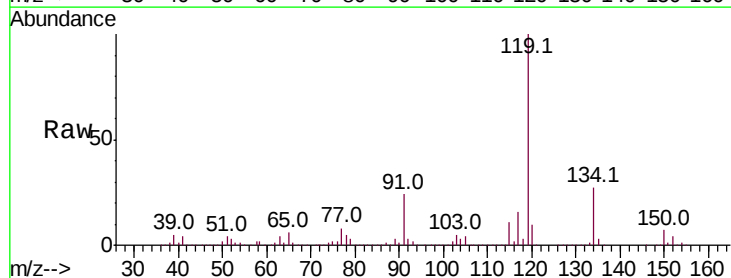
Tgt Ion:119 Resp: 431304

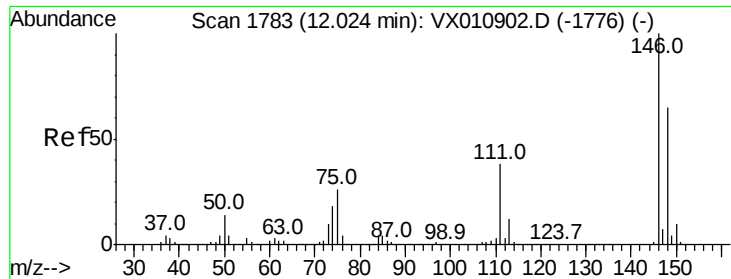
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 51.529 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

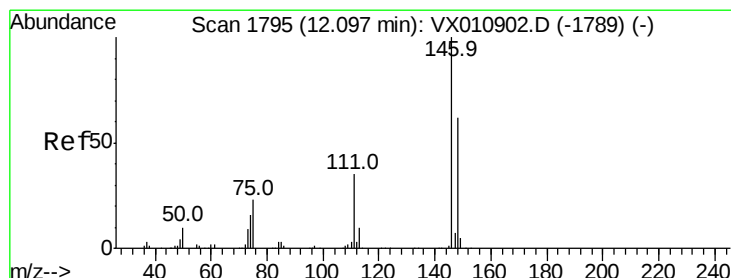
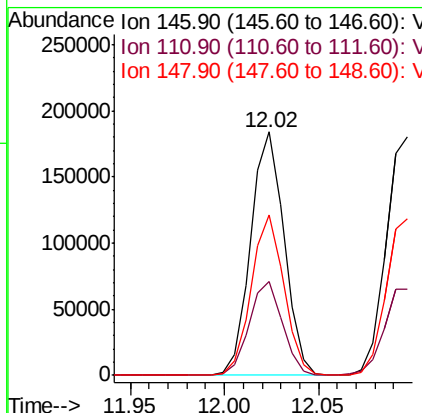
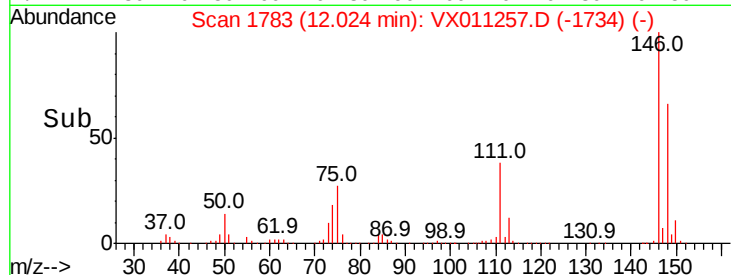
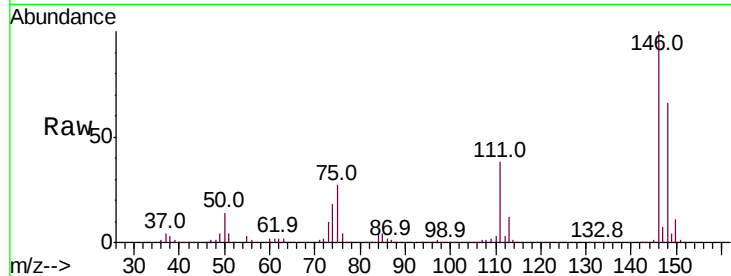
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	227113
Ion Ratio	Lower	Upper	
146	100		
111	38.2	18.9	56.9
148	64.4	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 50.524 ug/l

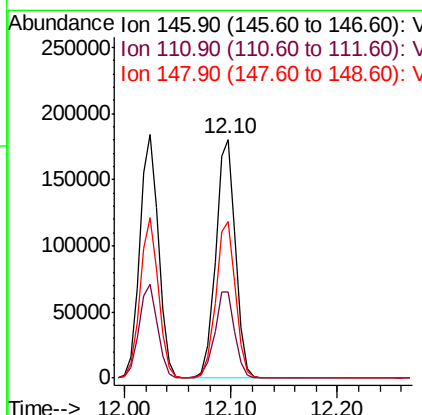
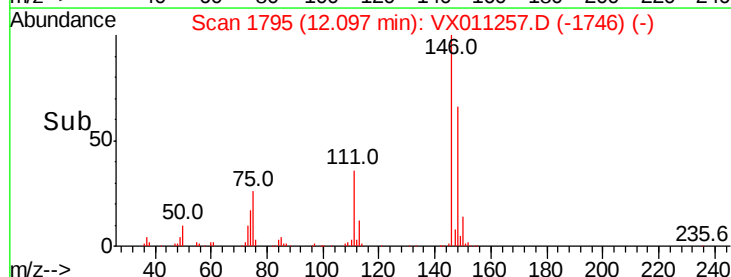
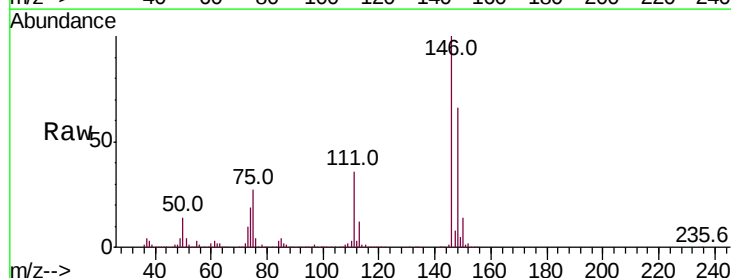
RT: 12.10 min Scan# 1795

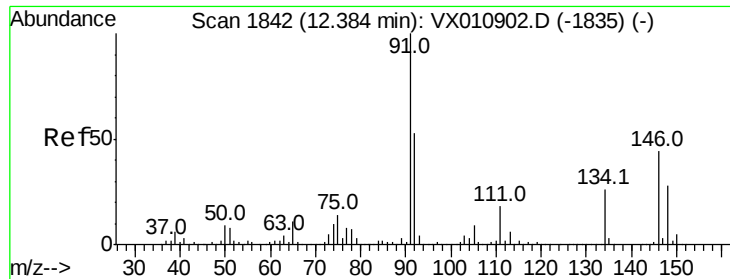
Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion:	146	Resp:	228384
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.6	55.8
148	65.7	31.6	94.7





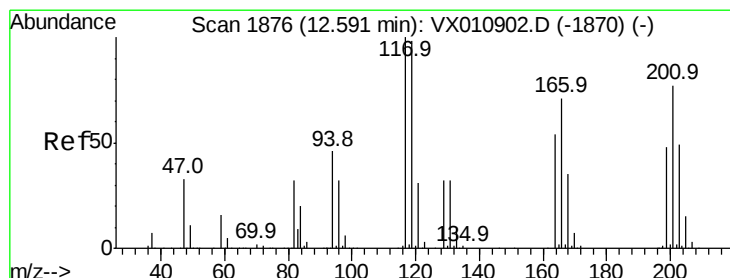
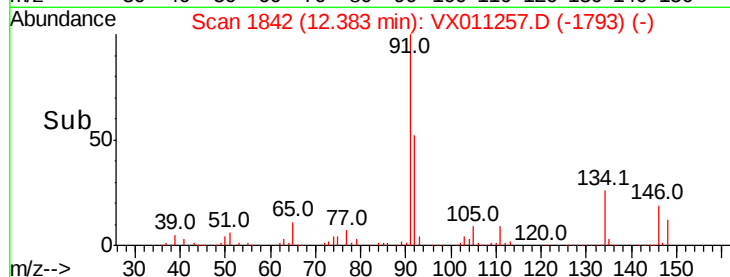
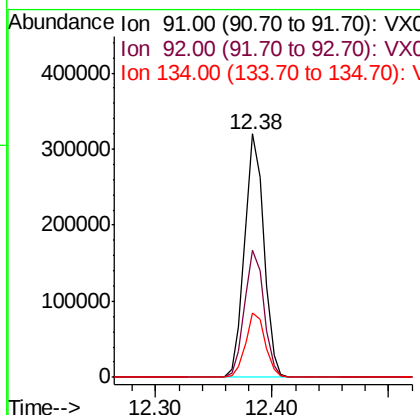
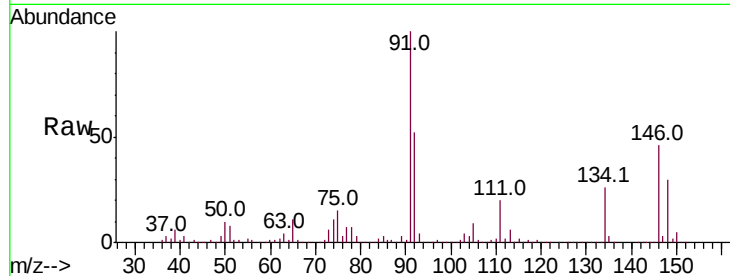
#89
n-Butylbenzene
Concen: 53.350 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	26.9	13.8	41.3

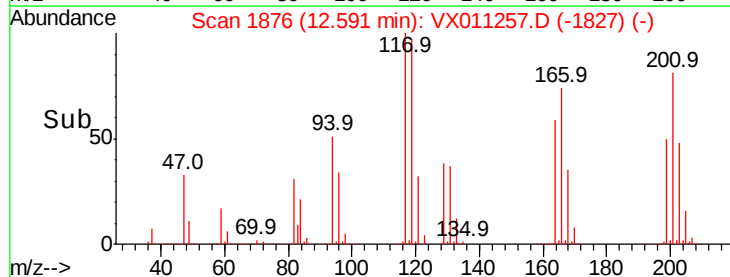
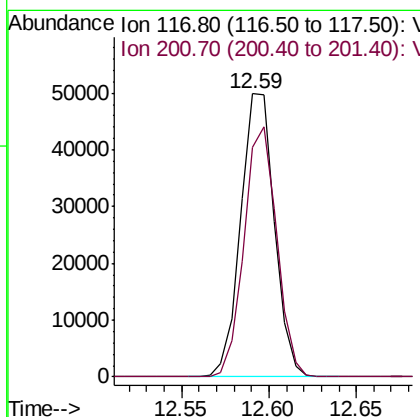
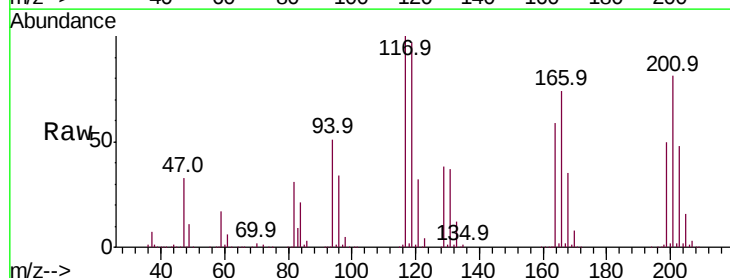
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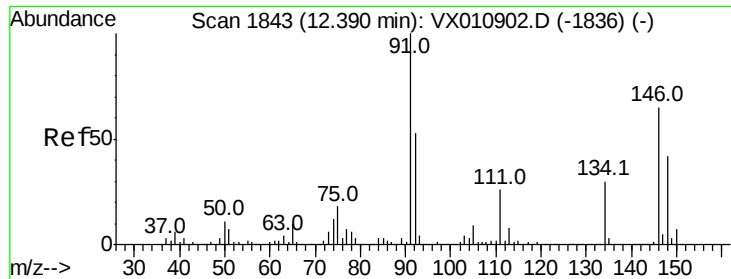
MMdadoda
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#90
Hexachloroethane
Concen: 51.973 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX011257.D
Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.3	129.8





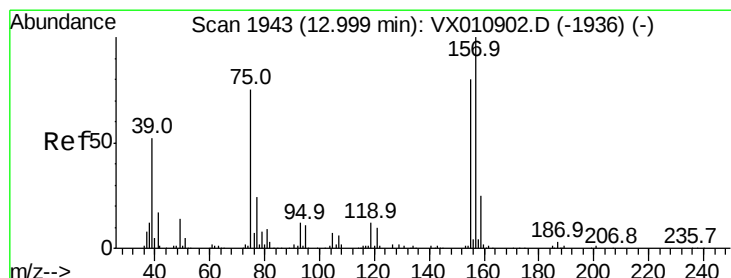
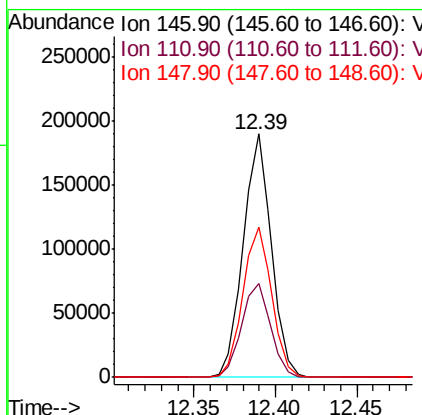
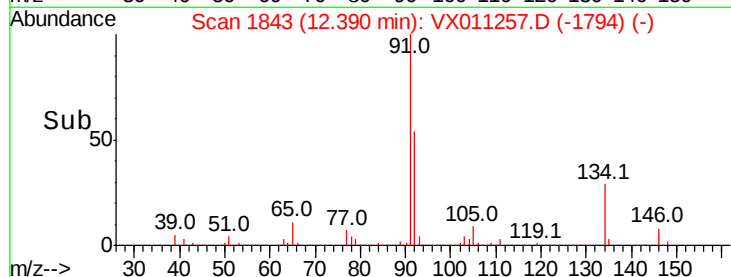
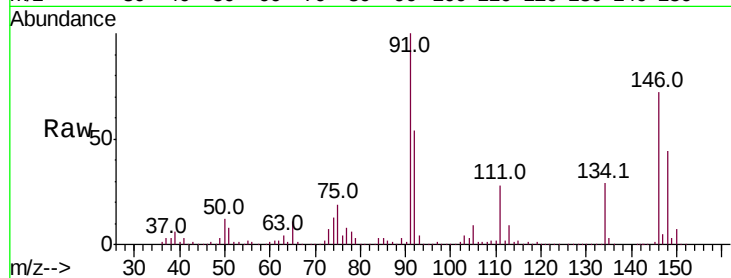
#91
 1,2-Dichlorobenzene
 Concen: 52.448 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	63.3	32.0	96.2

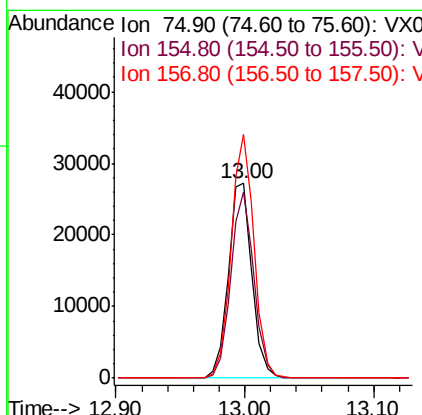
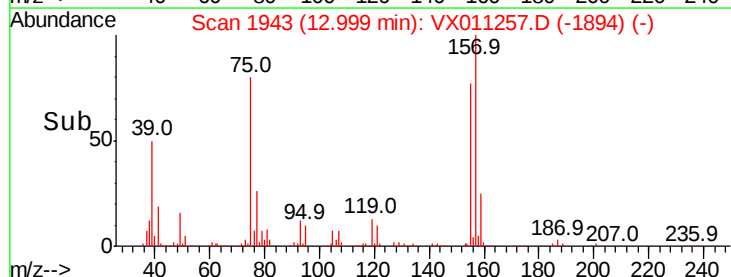
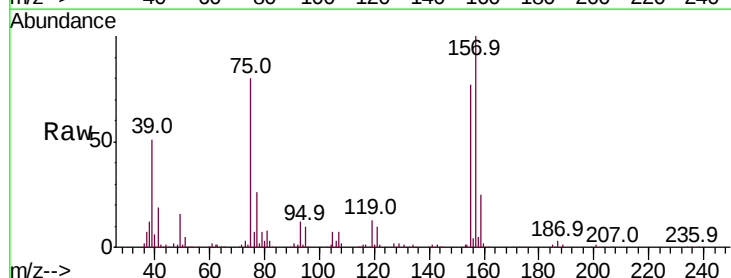
Manual Integrations
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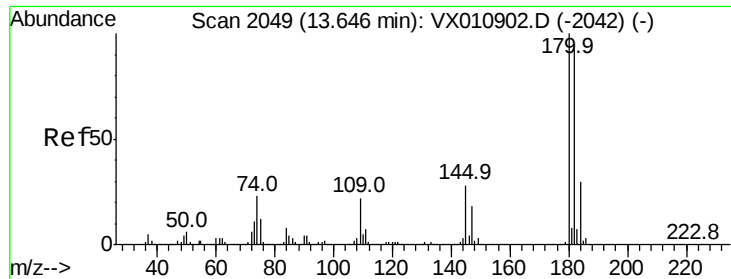
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.744 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.7	146.1
157	119.9	62.5	187.6





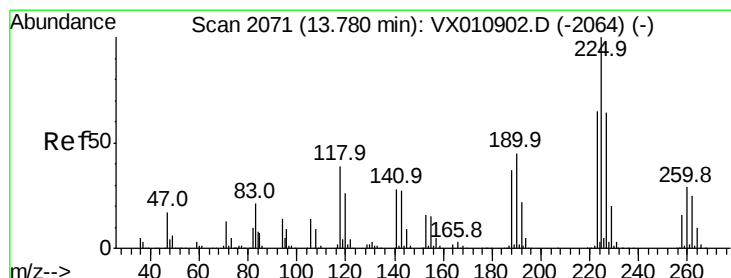
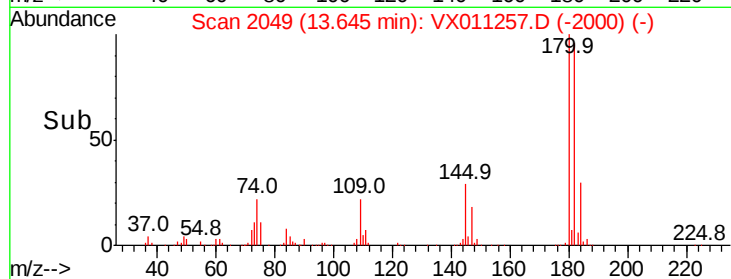
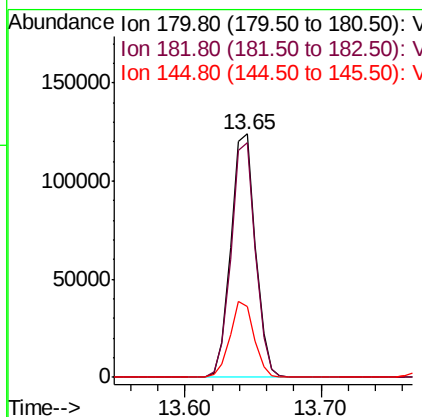
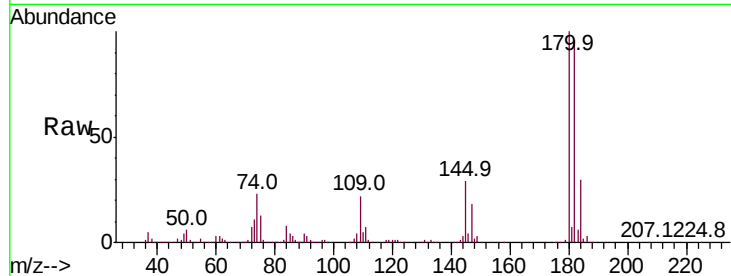
#93
 1,2,4-Trichlorobenzene
 Concen: 52.684 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.1	141.3	
145	30.4	14.8	44.4	

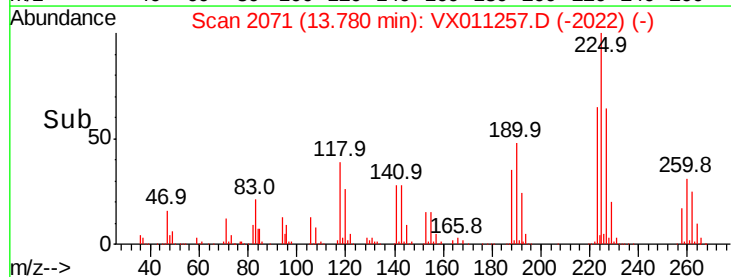
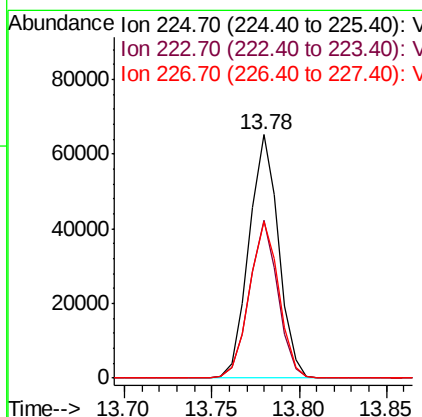
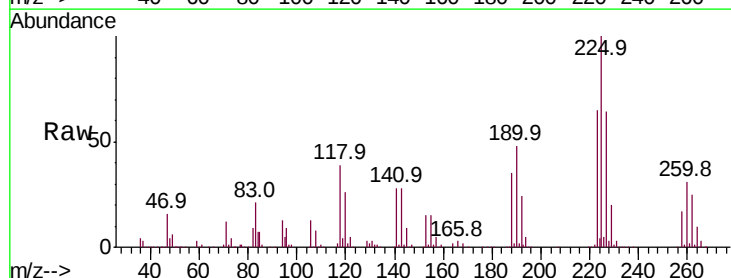
Manual Integrations
 APPROVED

MMDadoda
 8/1/2019 12:01:11 PM



#94
 Hexachlorobutadiene
 Concen: 52.345 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011257.D
 Acq: 31 Jul 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.9	95.9	
227	63.9	32.5	97.4	





#95

Naphthalene

Concen: 56.612 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Instrument :

MSVOA_X

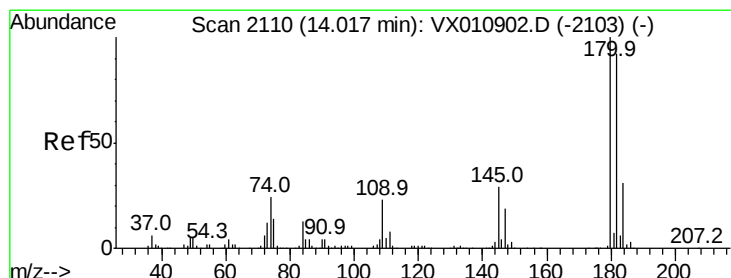
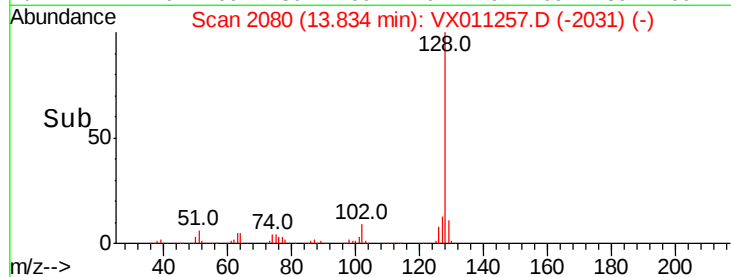
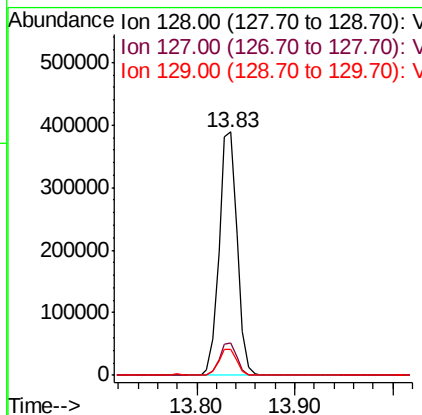
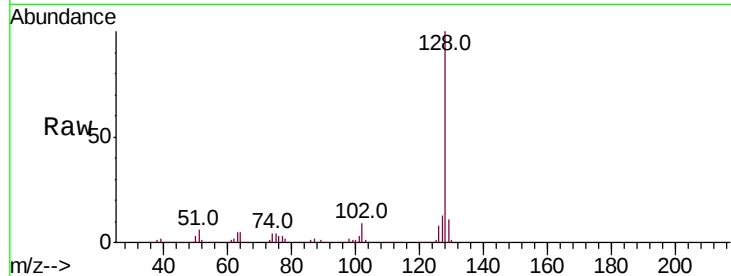
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	494877
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.7	8.9	13.3

Manual Integrations
APPROVED

MMdadoda
8/1/2019 12:01:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.141 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX011257.D

Acq: 31 Jul 2019 21:10

Tgt Ion:	180	Resp:	162418
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.4	142.3
145	30.2	15.1	45.3

