

Data File : VV013907.D
Acq On : 04 Dec 2019 16:40
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 05 01:32:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 01:28:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	280433	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	251368	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	136133	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70497	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.98%
7) Chloroethane-d5	1.57	69	73928	67.94	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	135.88%#
11) 1,1-Dichloroethene-d2	2.13	63	159424	59.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	119.98%
21) 2-Butanone-d5	3.92	46	117395	105.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.11%
24) Chloroform-d	4.39	84	160534	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.48%
26) 1,2-Dichloroethane-d4	5.07	65	99500	40.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.54%
32) Benzene-d6	5.09	84	317519	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
36) 1,2-Dichloropropane-d6	6.11	67	97609	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.16%
41) Toluene-d8	7.35	98	305222	43.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.52%
43) trans-1,3-Dichloropropene-	7.66	79	47065	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
47) 2-Hexanone-d5	8.13	63	69278	79.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.61%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	123791	41.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.84%
66) 1,2-Dichlorobenzene-d4	11.67	152	125944	39.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.68%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	117355	59.248 ug/L	98
3) Chloromethane	1.25	50	113510	80.707 ug/L	98
5) Vinyl chloride	1.32	62	108155	79.669 ug/L	98
6) Bromomethane	1.51	94	69367	88.013 ug/L	100
8) Chloroethane	1.59	64	73684	103.638 ug/L	99
9) Trichlorofluoromethane	1.76	101	172960	78.360 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99470	91.930 ug/L	96
12) 1,1-Dichloroethene	2.14	96	94281	92.535 ug/L	81
13) Acetone	2.18	43	155464	204.143 ug/L	96
14) Carbon disulfide	2.31	76	230134	66.840 ug/L	100
15) Methyl Acetate	2.45	43	97847	73.432 ug/L	94
16) Methylene chloride	2.53	84	96904	62.685 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	88707	61.658 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	276074	55.846 ug/L	97
19) 1,1-Dichloroethane	3.22	63	164928	62.863 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	100013	59.020 ug/L	92
22) 2-Butanone	4.00	43	158337	161.330 ug/L	92

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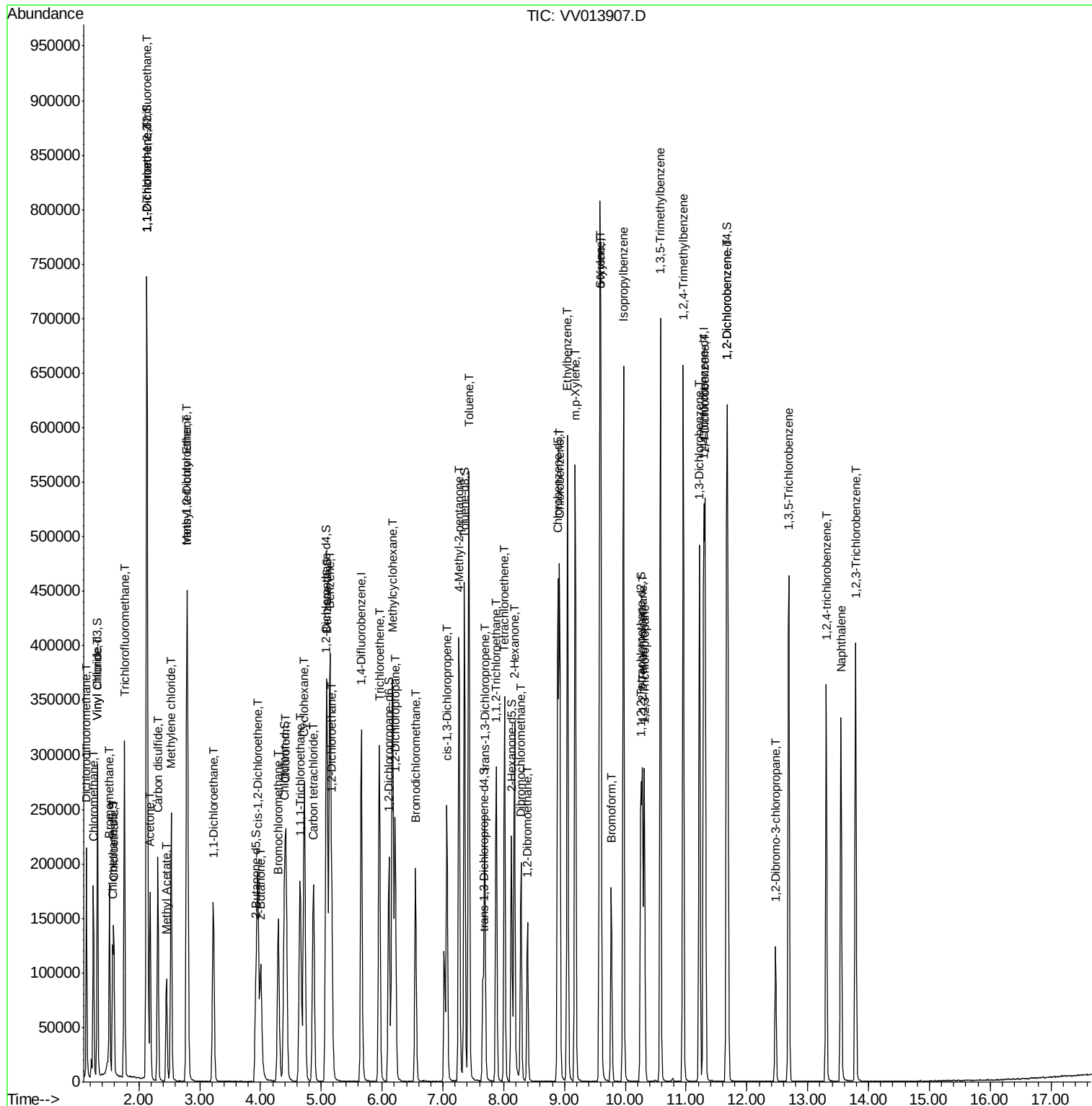
Quant Time: Dec 05 01:32:32 2019
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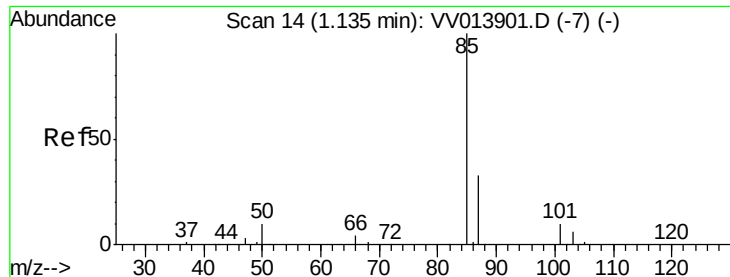
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.29	128	55341	59.390	ug/L	91
25) Chloroform	4.42	83	170580	57.358	ug/L	98
27) 1,2-Dichloroethane	5.17	62	129555	56.050	ug/L	97
29) Cyclohexane	4.72	56	148082	70.451	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	146895	55.013	ug/L	97
31) Carbon tetrachloride	4.87	117	134468	54.283	ug/L	98
33) Benzene	5.14	78	378559	65.423	ug/L	100
34) Trichloroethene	5.96	95	101414	63.057	ug/L	95
35) Methylcyclohexane	6.17	83	156794	65.500	ug/L	96
37) 1,2-Dichloropropane	6.22	63	94929	67.261	ug/L	99
38) Bromodichloromethane	6.55	83	127469	57.411	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	149810	60.206	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	256620	141.273	ug/L	97
42) Toluene	7.43	91	407061	63.311	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	130056	55.369	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	89533	58.850	ug/L	97
46) Tetrachloroethene	8.01	164	86842	57.953	ug/L	95
48) 2-Hexanone	8.18	43	196861	143.749	ug/L	99
49) Dibromochloromethane	8.28	129	104085	52.721	ug/L	99
50) 1,2-Dibromoethane	8.39	107	96207	57.179	ug/L	100
51) Chlorobenzene	8.92	112	251208	57.951	ug/L	99
52) Ethylbenzene	9.05	91	414331	57.433	ug/L	100
53) m,p-Xylene	9.18	106	162915	58.539	ug/L	91
54) o-Xylene	9.58	106	156216	56.567	ug/L	99
55) Styrene	9.60	104	271155	58.286	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.28	83	129314	55.272	ug/L	99
59) Bromoform	9.77	173	83166	52.082	ug/L #	97
60) Isopropylbenzene	9.97	105	415578	55.765	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	113972	61.655	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	361265	56.075	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	351032	55.206	ug/L	98
64) 1,3-Dichlorobenzene	11.22	146	208696	55.502	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	209033	54.998	ug/L	98
67) 1,2-Dichlorobenzene	11.68	146	210609	54.896	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	28239	46.352	ug/L	96
69) 1,3,5-Trichlorobenzene	12.69	180	157879	51.795	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	122403	46.314	ug/L	99
71) Naphthalene	13.55	128	265140	39.582	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	133919	50.352	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 59.248 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV013907.D

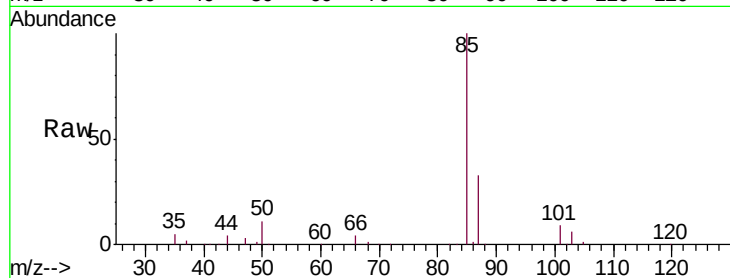
Acq: 04 Dec 2019 16:40

Tgt Ion: 85 Resp: 117355

Ion Ratio Lower Upper

85 100

87 32.9 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV013907.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013907.D (-7) (-)

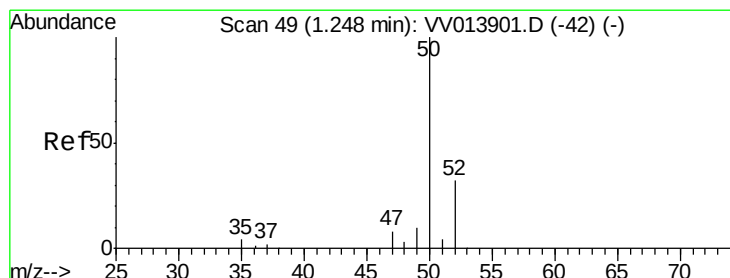
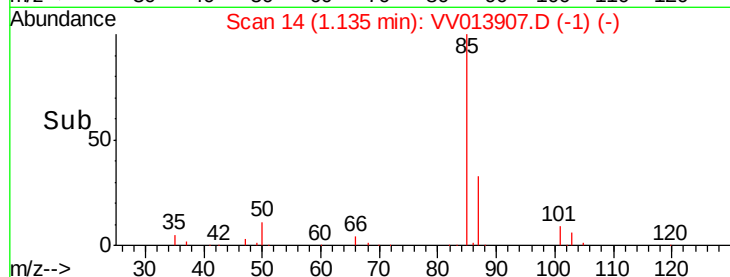
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 80.707 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013907.D

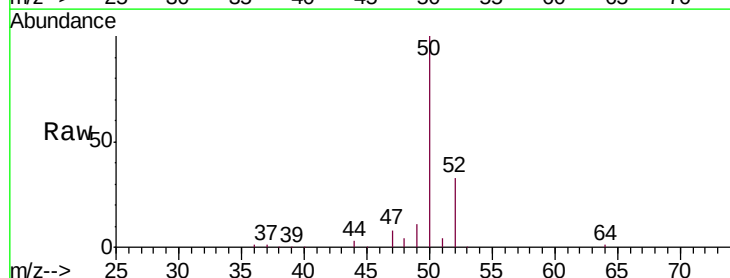
Acq: 04 Dec 2019 16:40

Tgt Ion: 50 Resp: 113510

Ion Ratio Lower Upper

50 100

52 33.2 23.9 44.3



Abundance Ion 50.00 (49.70 to 50.70): VV013907.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013907.D (-42) (-)

1.25

120000

100000

80000

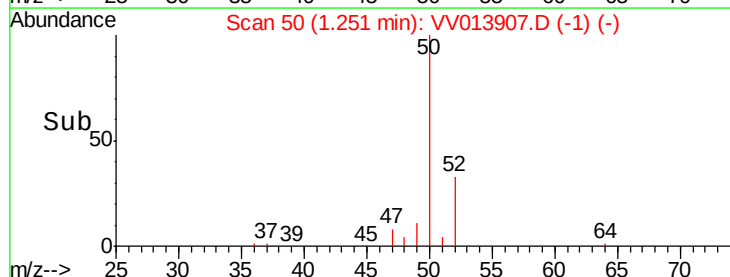
60000

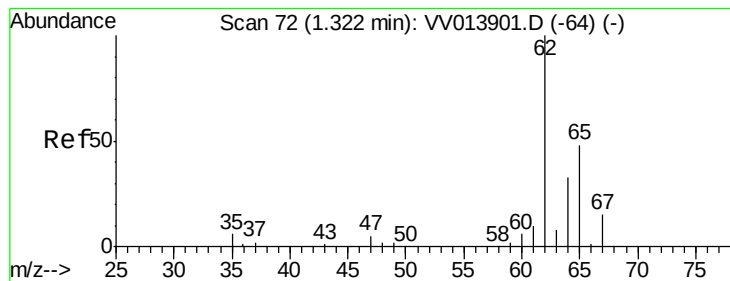
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 79.669 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013907.D

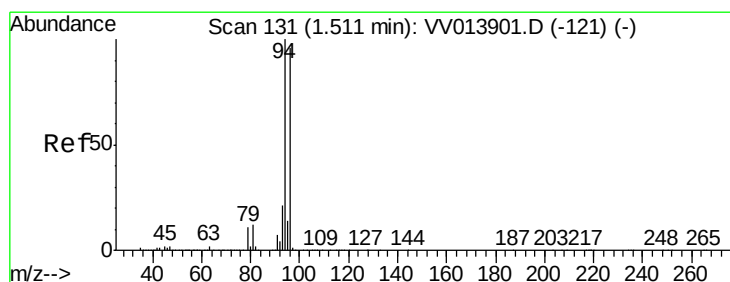
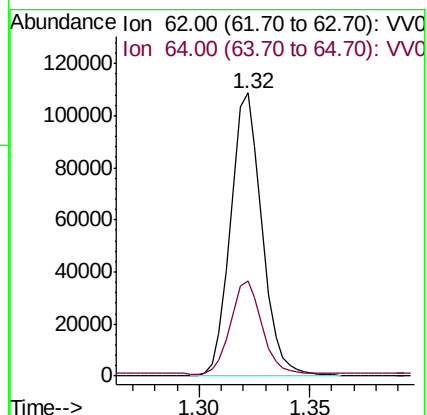
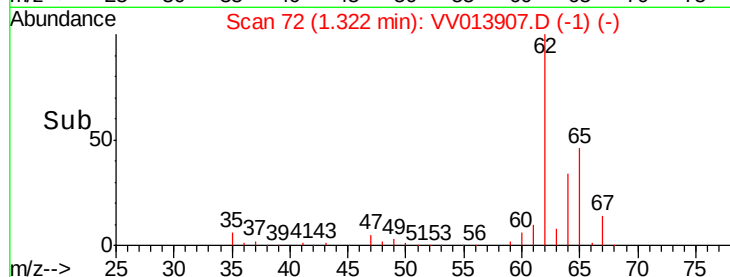
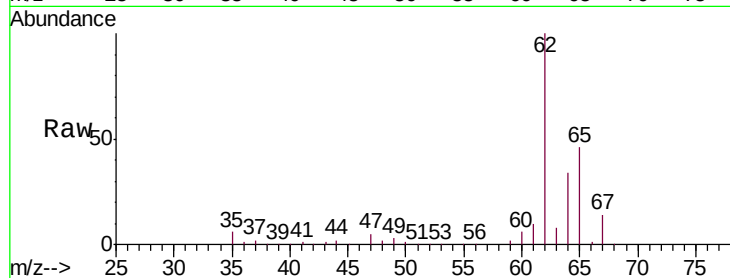
Acq: 04 Dec 2019 16:40

Tgt Ion: 62 Resp: 108155

Ion Ratio Lower Upper

62 100

64 33.9 23.0 42.8



#6

Bromomethane

Concen: 88.013 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV013907.D

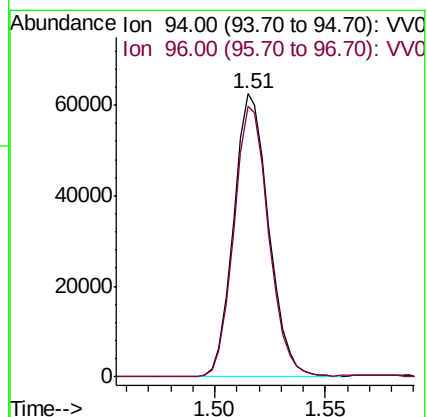
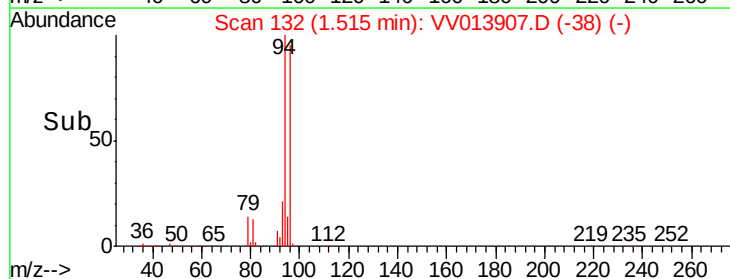
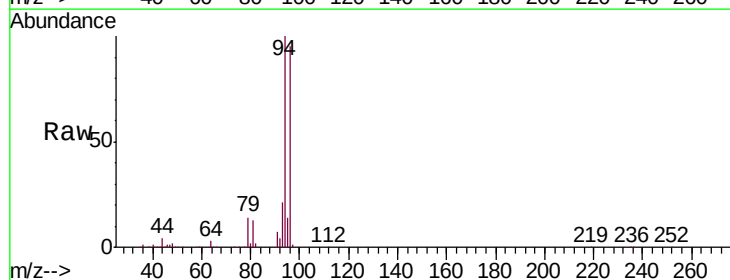
Acq: 04 Dec 2019 16:40

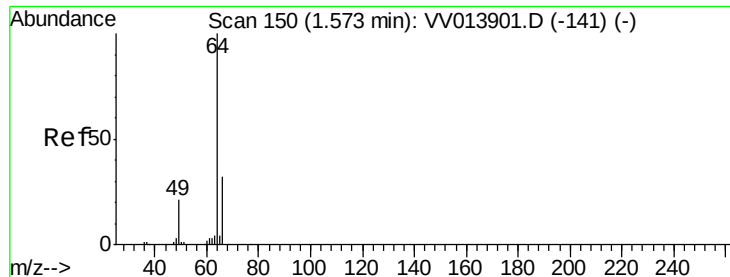
Tgt Ion: 94 Resp: 69367

Ion Ratio Lower Upper

94 100

96 95.4 66.8 124.0





#8

Chloroethane

Concen: 103.638 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.02 min

Lab File: VV013907.D

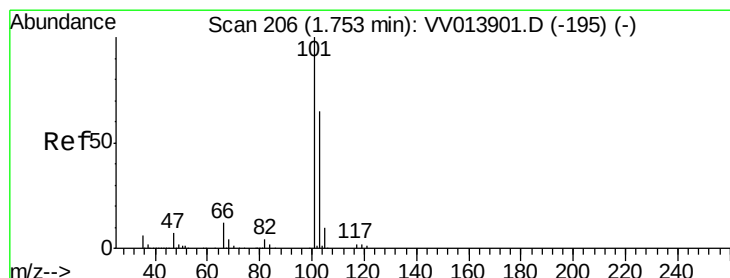
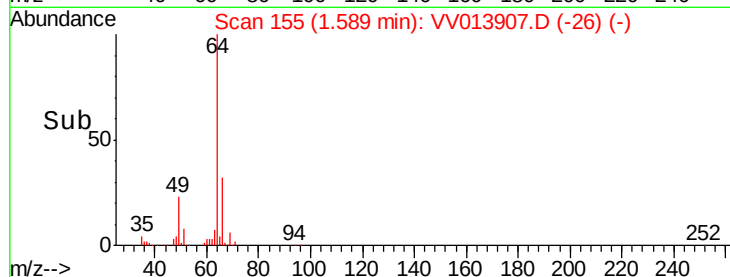
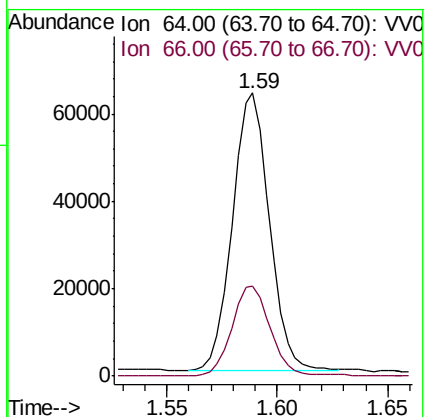
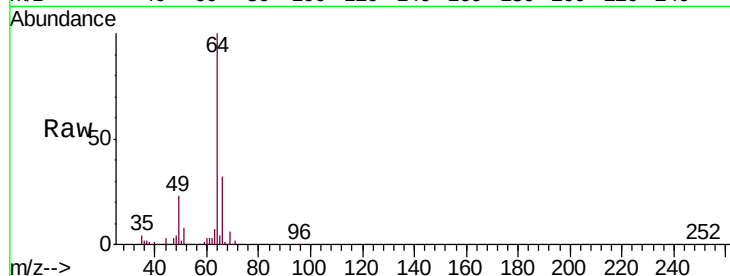
Acq: 04 Dec 2019 16:40

Tgt Ion: 64 Resp: 73684

Ion Ratio Lower Upper

64 100

66 32.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 78.360 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV013907.D

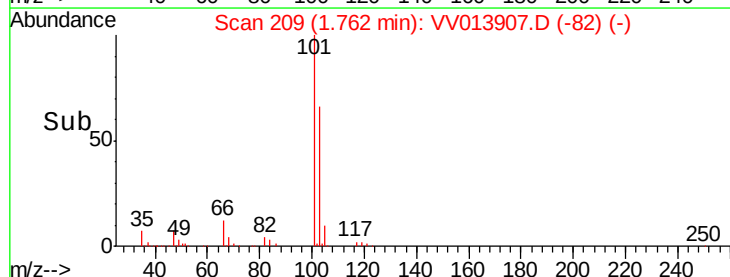
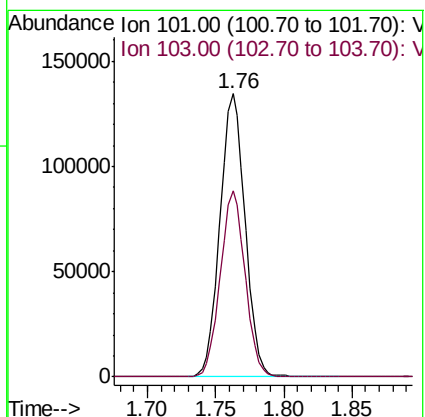
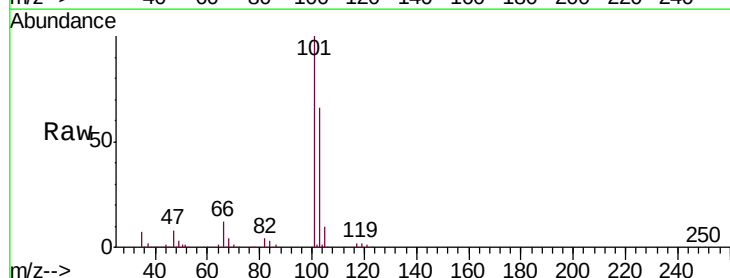
Acq: 04 Dec 2019 16:40

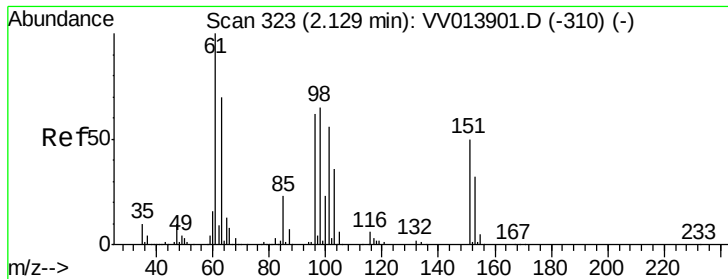
Tgt Ion: 101 Resp: 172960

Ion Ratio Lower Upper

101 100

103 64.7 52.5 78.7





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 91.930 ug/L

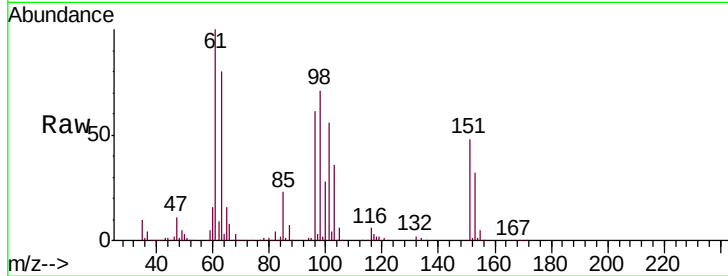
RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

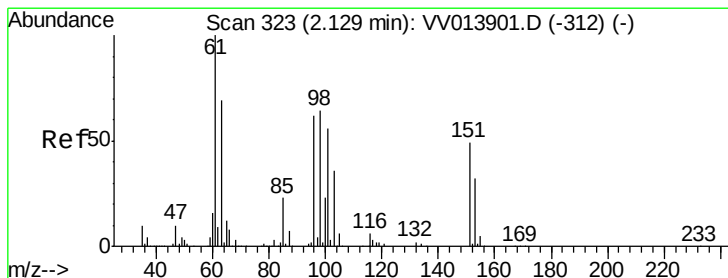
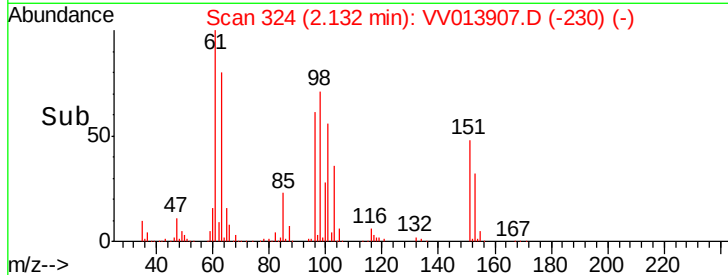
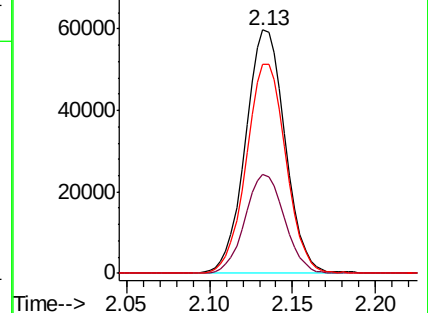
Tgt Ion:	101	Resp:	99470
Ion	Ratio	Lower	Upper
101	100		
85	40.5	34.4	51.6
151	86.0	72.2	108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 92.535 ug/L

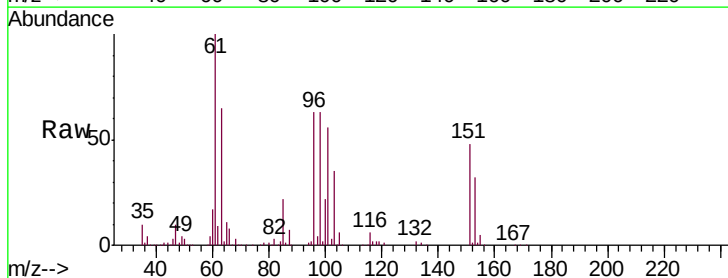
RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

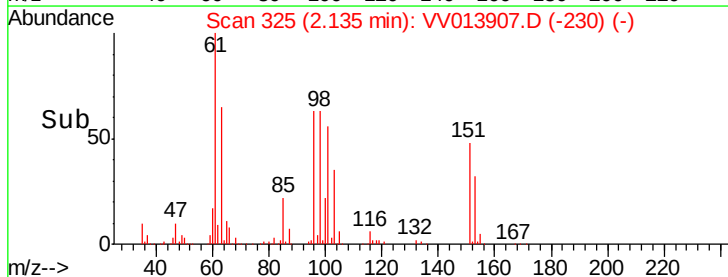
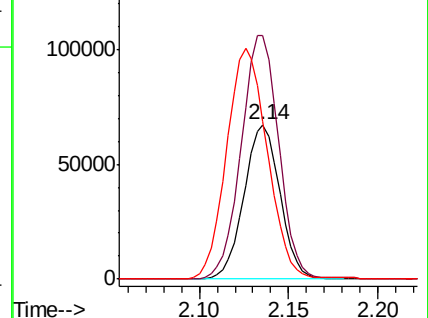
Tgt Ion:	96	Resp:	94281
Ion	Ratio	Lower	Upper
96	100		
61	158.1	120.0	223.0
63	102.2	98.3	182.7

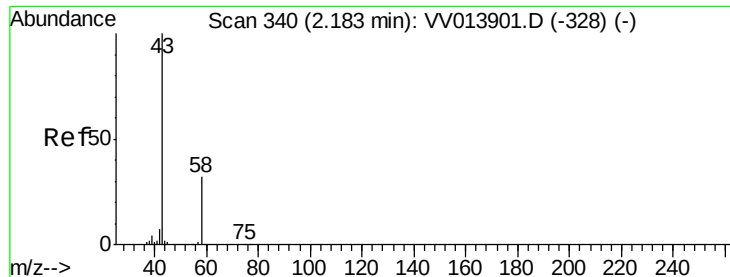


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 204.143 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013907.D

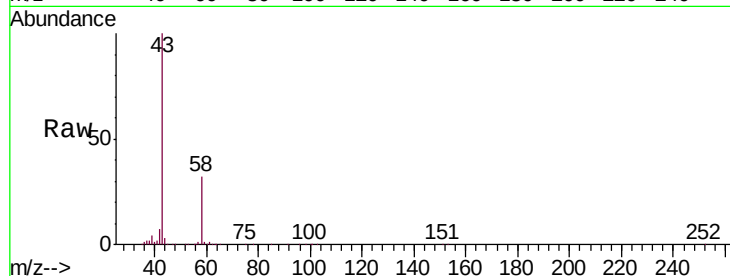
Acq: 04 Dec 2019 16:40

Tgt Ion: 43 Resp: 155464

Ion Ratio Lower Upper

43 100

58 32.0 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VV013901.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV013901.D (-328) (-)

2.18

120000

100000

80000

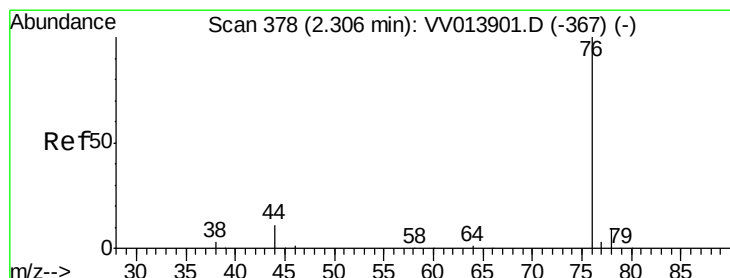
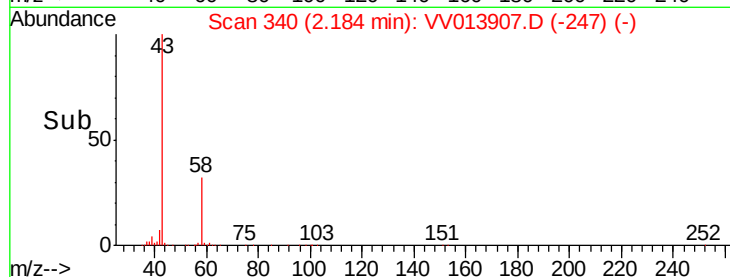
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 66.840 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV013907.D

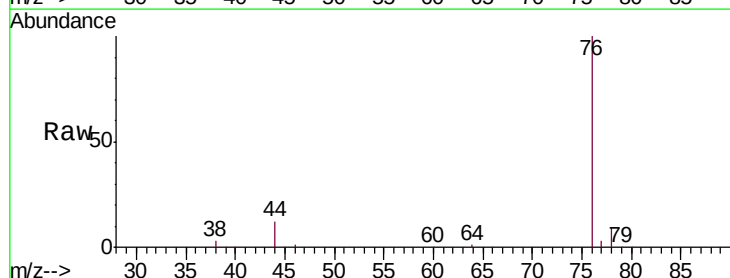
Acq: 04 Dec 2019 16:40

Tgt Ion: 76 Resp: 230134

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV013907.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV013907.D (-285) (-)

2.31

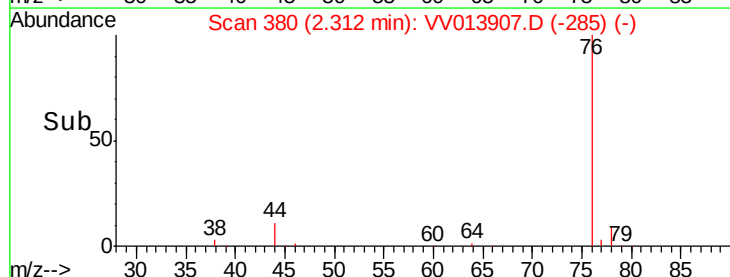
150000

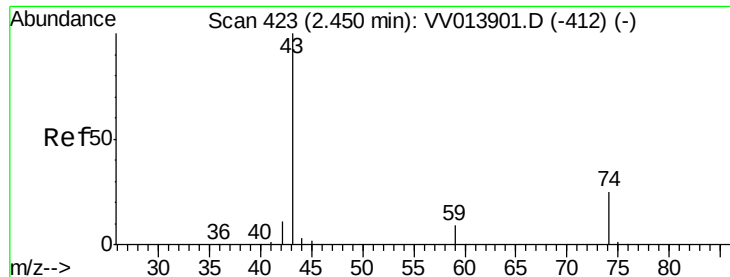
100000

50000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 73.432 ug/L

RT: 2.45 min Scan# 424

Delta R.T. 0.00 min

Lab File: VV013907.D

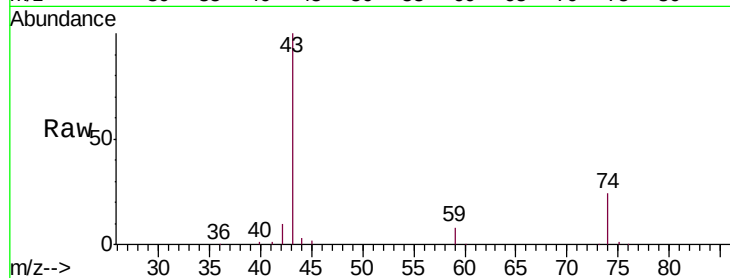
Acq: 04 Dec 2019 16:40

Tgt Ion: 43 Resp: 97847

Ion Ratio Lower Upper

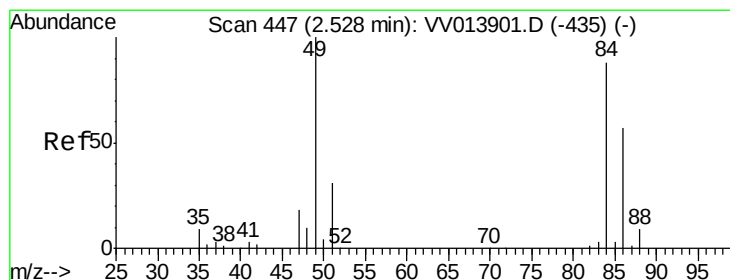
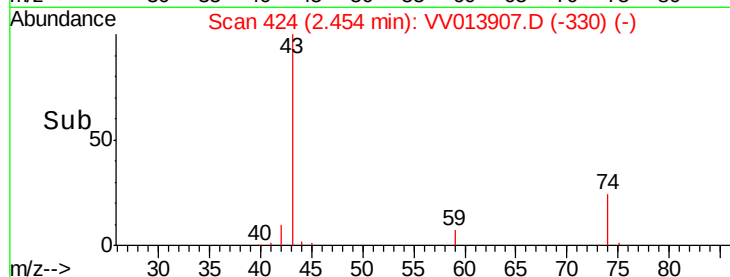
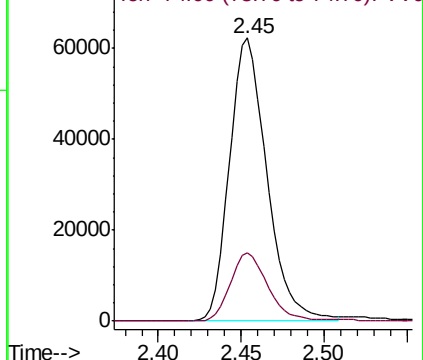
43 100

74 24.2 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 62.685 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

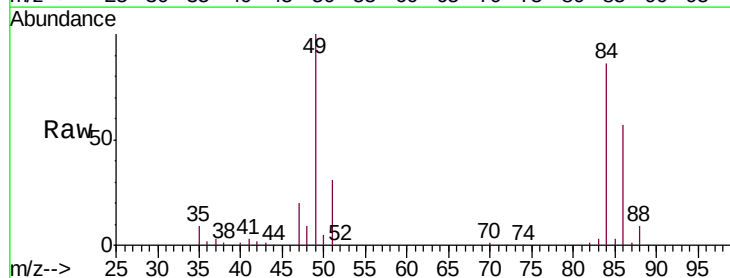
Tgt Ion: 84 Resp: 96904

Ion Ratio Lower Upper

84 100

86 65.6 45.7 84.9

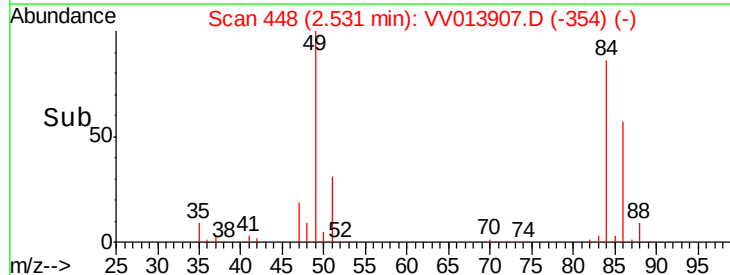
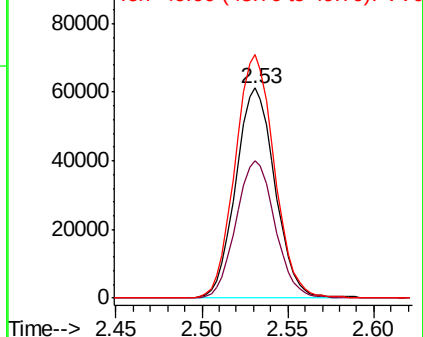
49 116.0 76.6 142.2

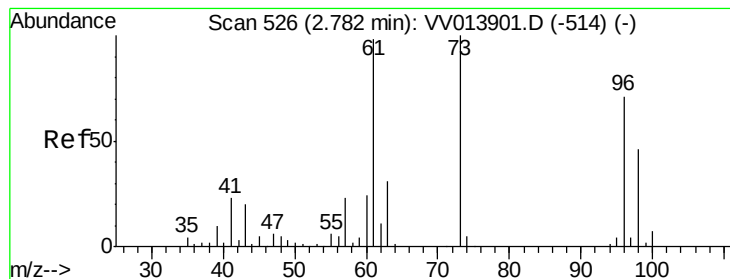


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 61.658 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.01 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

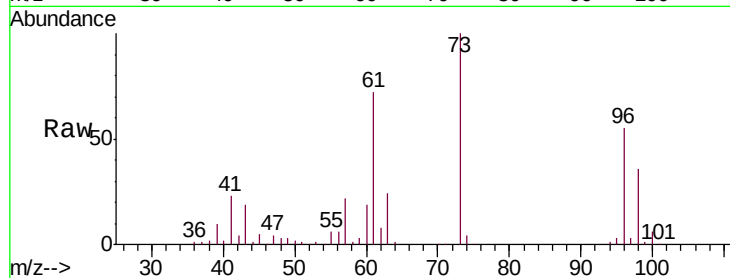
Tgt Ion: 96 Resp: 88707

Ion Ratio Lower Upper

96 100

61 130.5 90.6 168.3

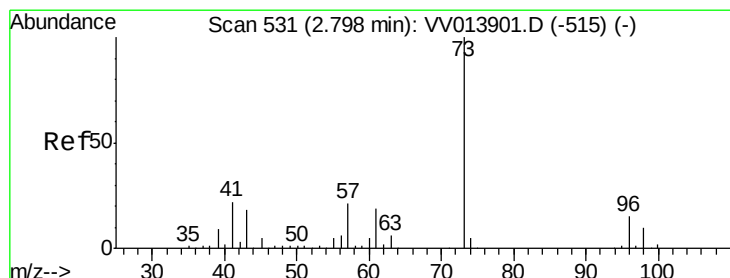
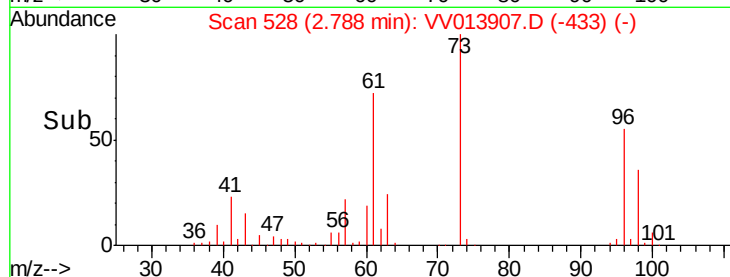
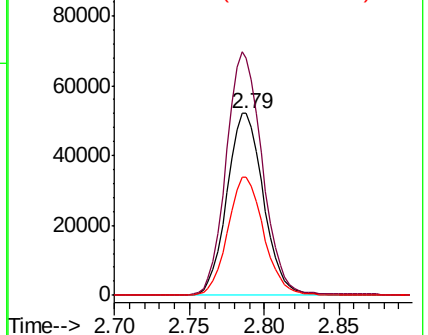
98 65.2 44.2 82.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 55.846 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

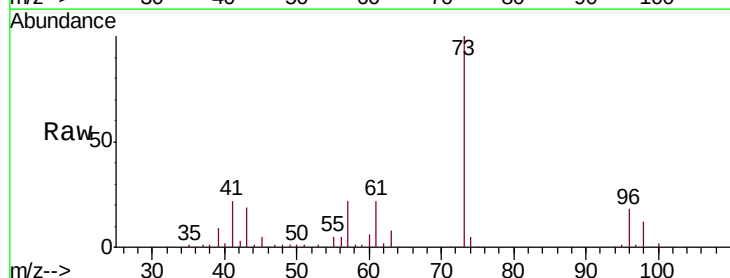
Tgt Ion: 73 Resp: 276074

Ion Ratio Lower Upper

73 100

43 18.9 15.6 23.4

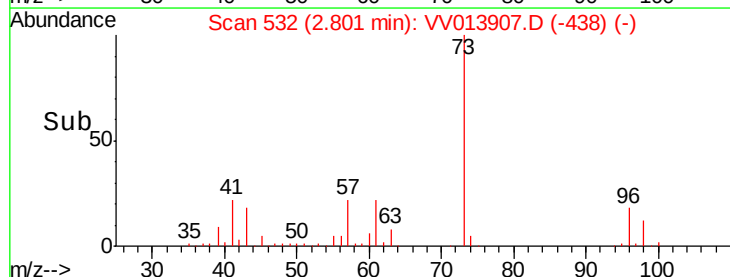
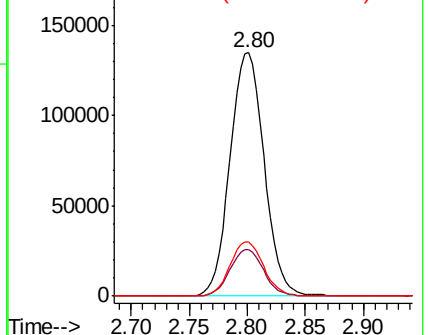
57 22.0 16.0 24.0

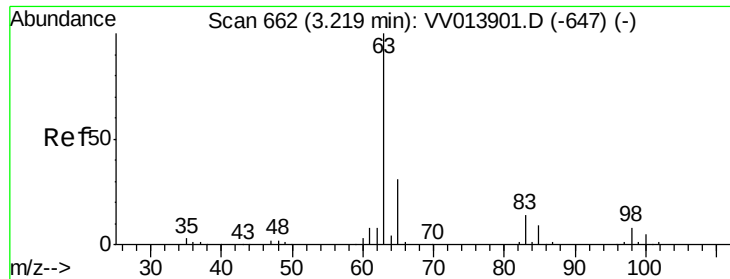


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 62.863 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

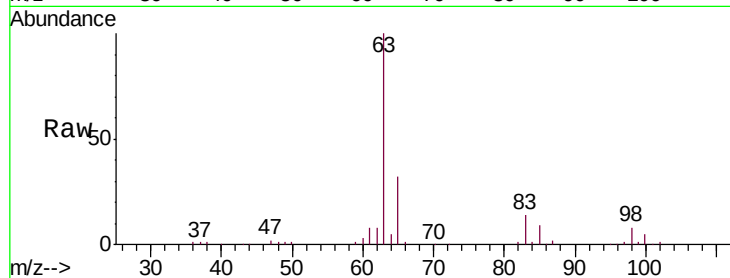
Tgt Ion: 63 Resp: 164928

Ion Ratio Lower Upper

63 100

65 31.6 22.3 41.3

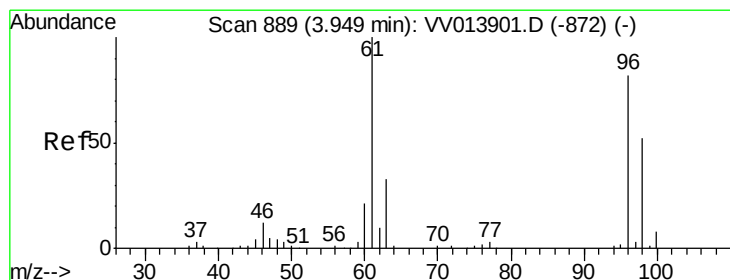
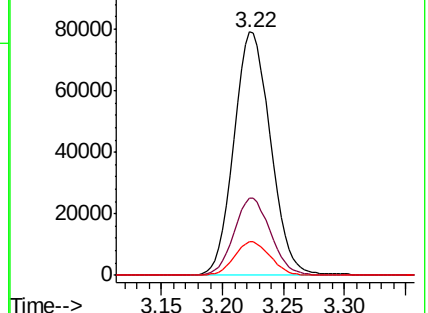
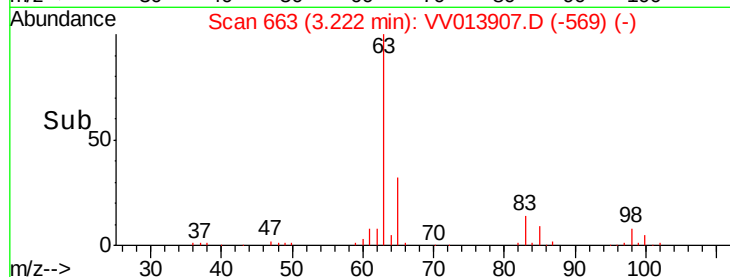
83 13.8 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 59.020 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.01 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

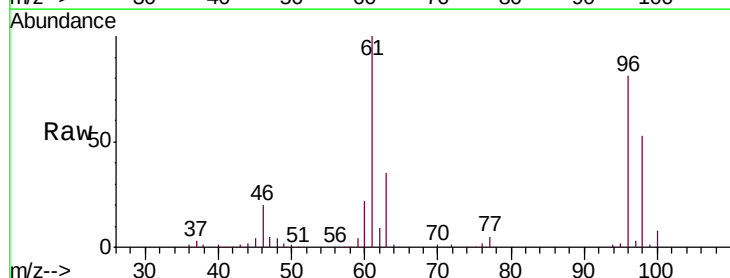
Tgt Ion: 96 Resp: 100013

Ion Ratio Lower Upper

96 100

61 123.2 80.0 148.6

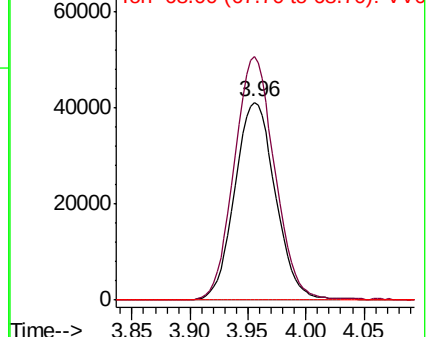
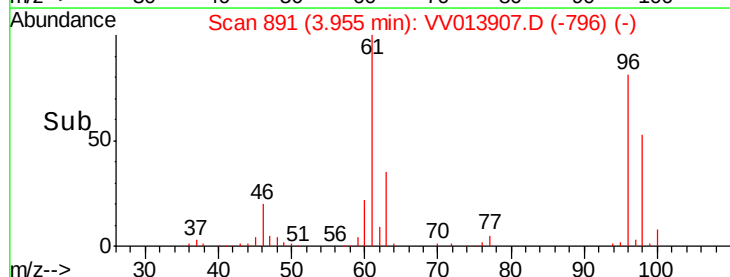
68 0.0 0.0 0.0

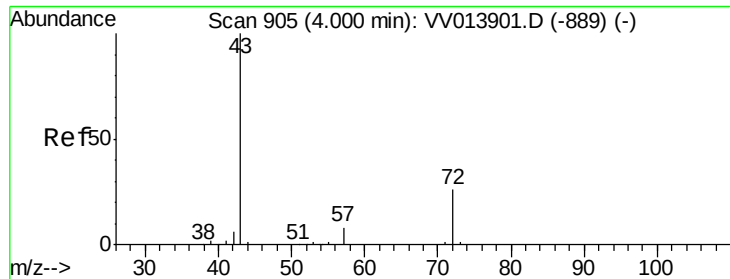


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 161.330 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV013907.D

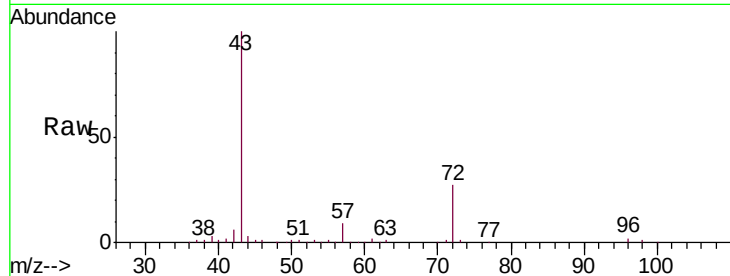
Acq: 04 Dec 2019 16:40

Tgt Ion: 43 Resp: 158337

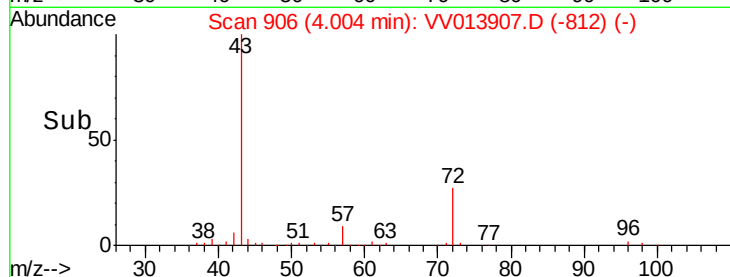
Ion Ratio Lower Upper

43 100

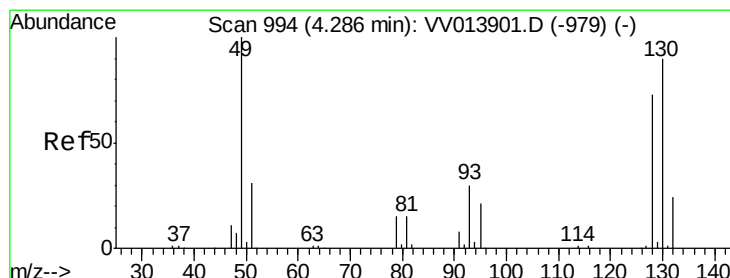
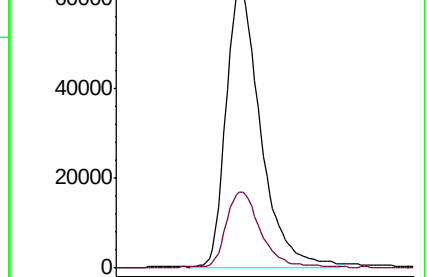
72 25.8 15.0 45.0



Abundance Ion 43.00 (42.70 to 43.70): VV013907.D (-812) (-)



Ion 72.00 (71.70 to 72.70): VV013907.D (-812) (-)



#23

Bromochloromethane

Concen: 59.390 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.01 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

Tgt Ion: 128 Resp: 55341

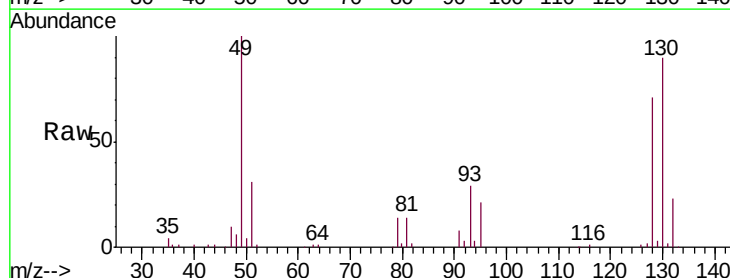
Ion Ratio Lower Upper

128 100

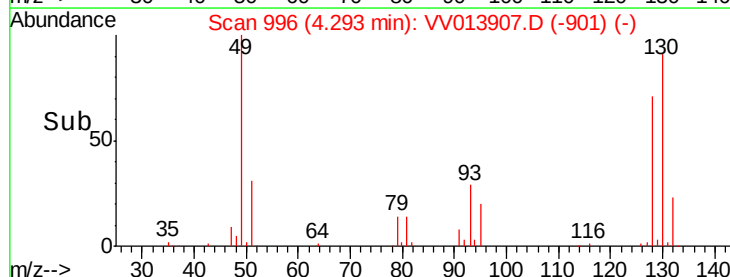
49 141.1 84.6 157.2

130 127.0 89.9 167.0

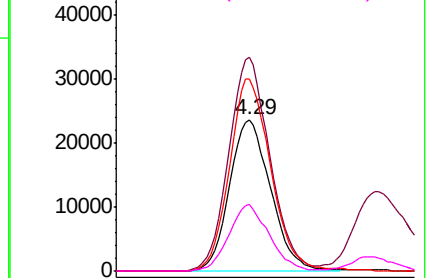
51 43.7 30.5 45.7

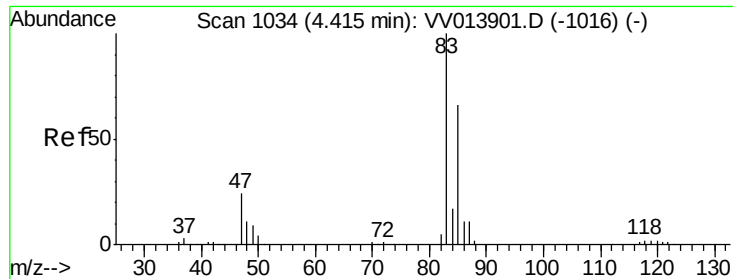


Abundance Ion 128.00 (127.70 to 128.70): VV013907.D (-901) (-)



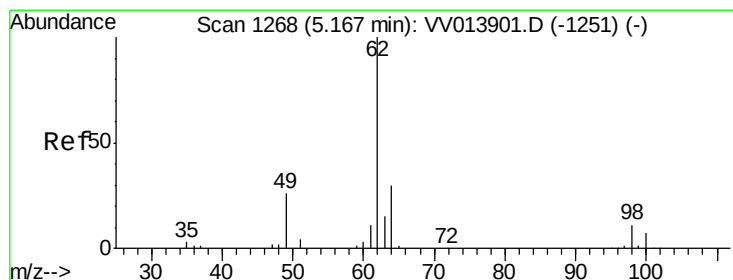
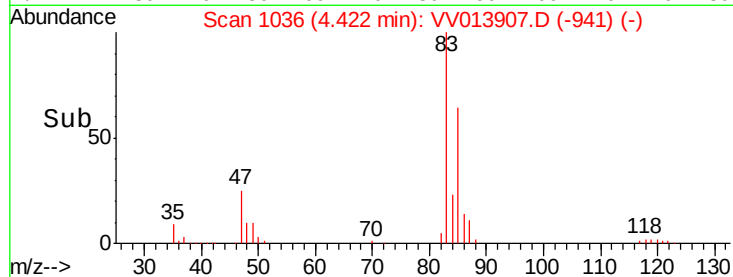
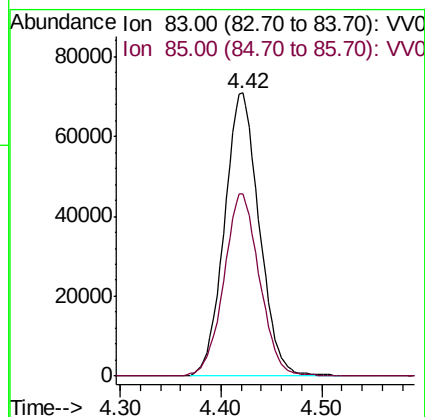
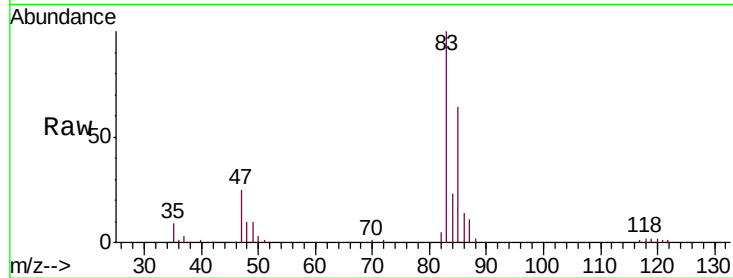
Ion 49.00 (48.70 to 49.70): VV013907.D (-901) (-)





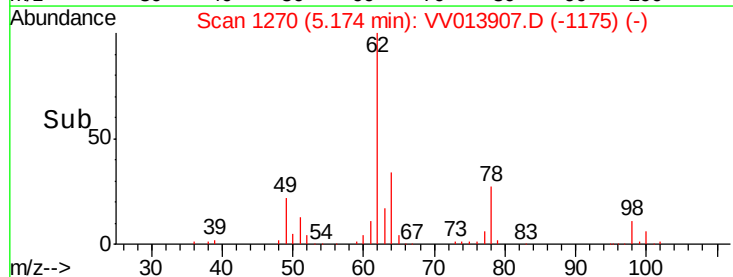
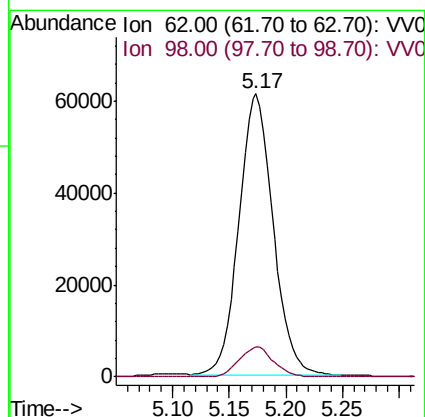
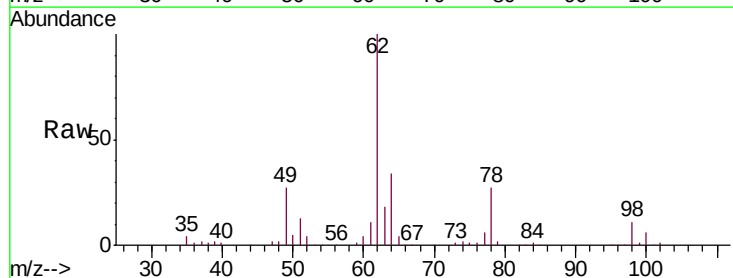
#25
Chloroform
Concen: 57.358 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

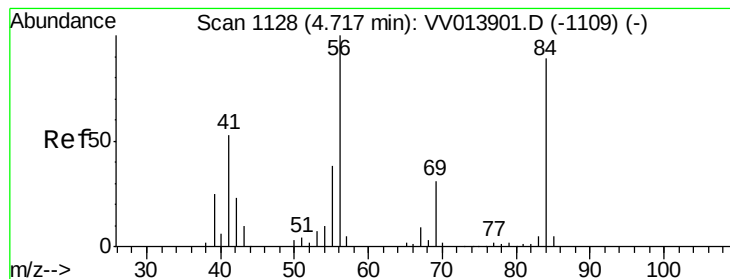
Tgt Ion: 83 Resp: 170580
Ion Ratio Lower Upper
83 100
85 64.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 56.050 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion: 62 Resp: 129555
Ion Ratio Lower Upper
62 100
98 10.6 7.5 11.3





#29

Cyclohexane

Concen: 70.451 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

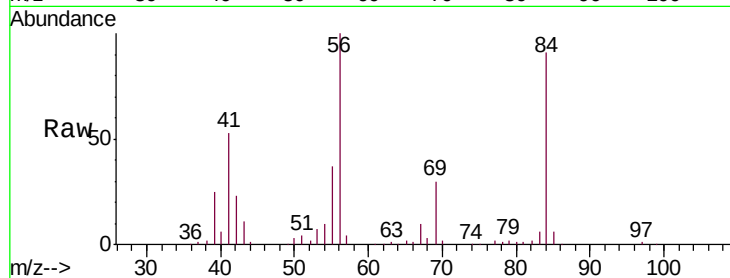
Tgt Ion: 56 Resp: 148082

Ion Ratio Lower Upper

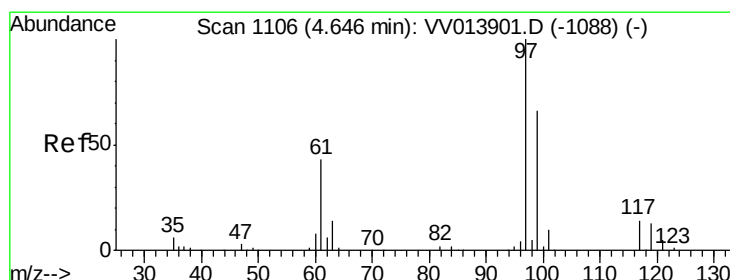
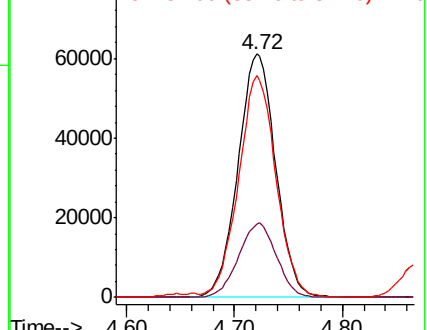
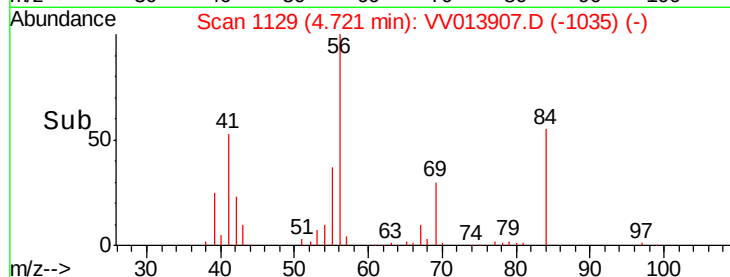
56 100

69 30.8 25.8 38.8

84 90.9 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV013907.D (-1035) (-)



#30

1,1,1-Trichloroethane

Concen: 55.013 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

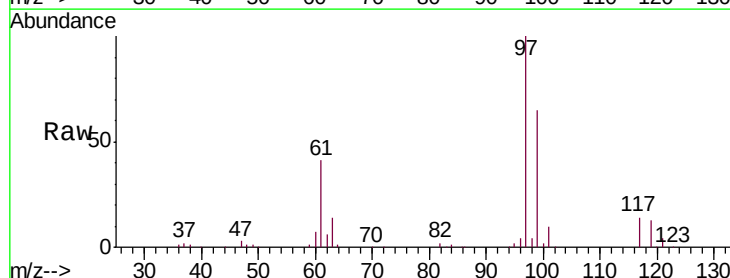
Tgt Ion: 97 Resp: 146895

Ion Ratio Lower Upper

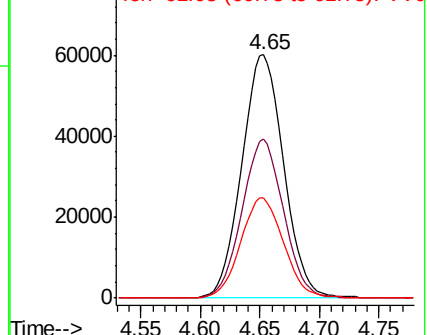
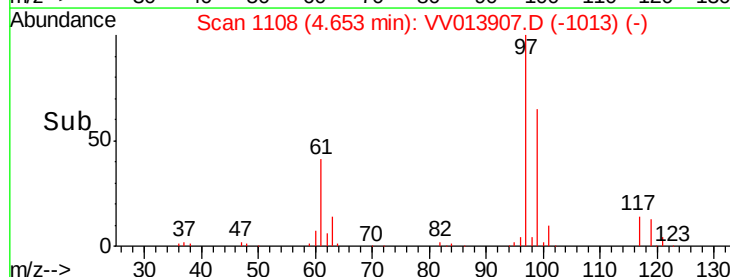
97 100

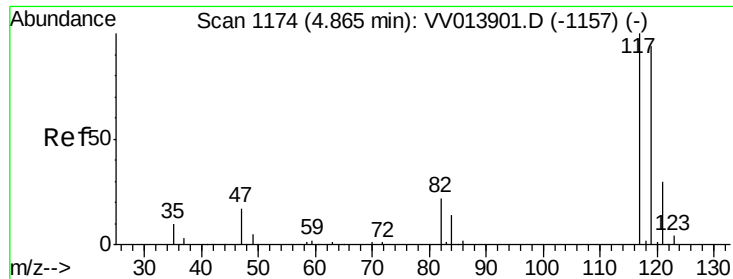
99 64.7 51.1 76.7

61 42.2 31.3 46.9



Abundance Ion 97.00 (96.70 to 97.70): VV013907.D (-1013) (-)





#31

Carbon tetrachloride

Concen: 54.283 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VV013907.D

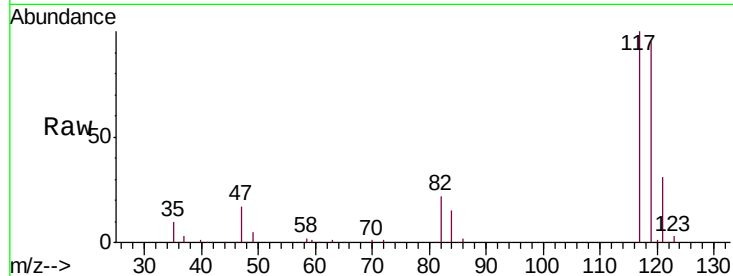
Acq: 04 Dec 2019 16:40

Tgt Ion: 117 Resp: 134468

Ion Ratio Lower Upper

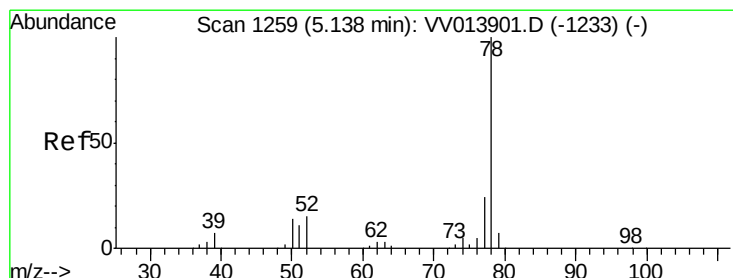
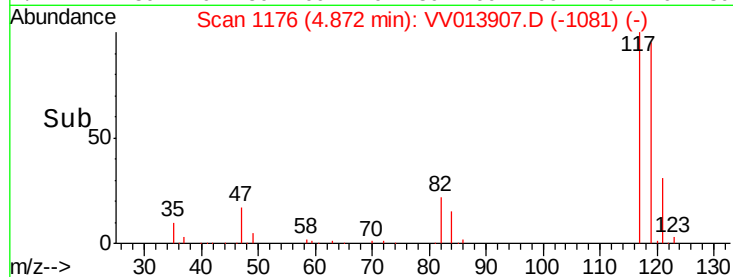
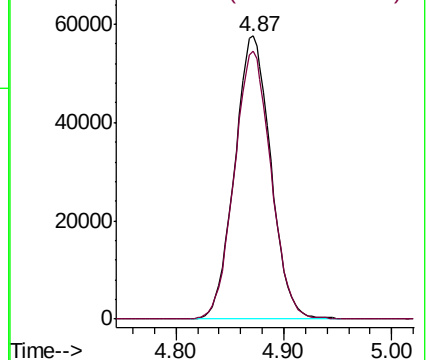
117 100

119 96.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 65.423 ug/L

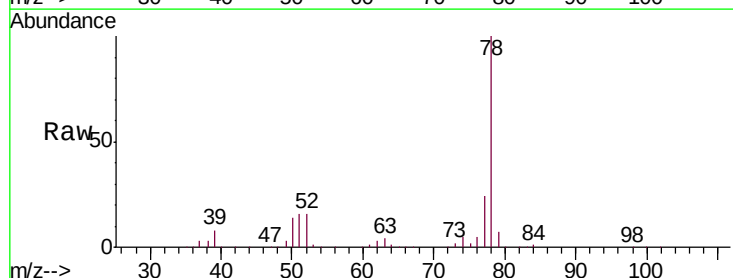
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

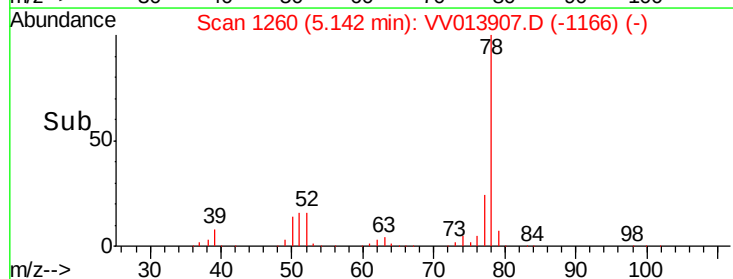
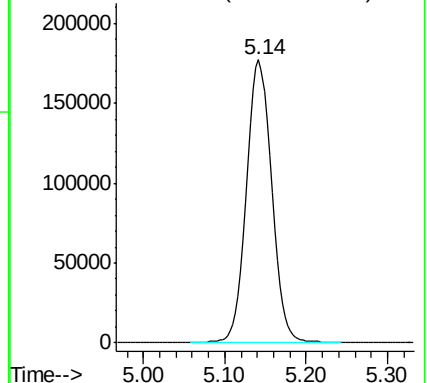
Lab File: VV013907.D

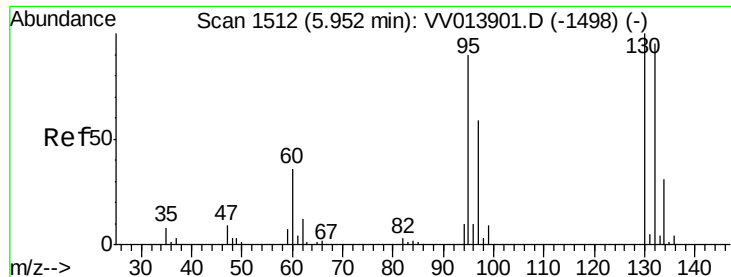
Acq: 04 Dec 2019 16:40

Tgt Ion: 78 Resp: 378559



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 63.057 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

Tgt Ion: 95 Resp: 101414

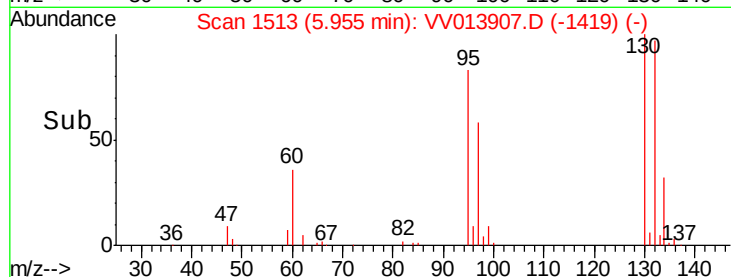
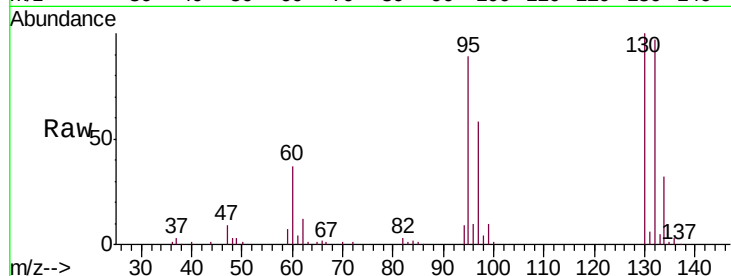
Ion Ratio Lower Upper

95 100

97 65.0 43.4 80.6

132 109.4 73.1 135.8

130 112.5 75.3 139.8

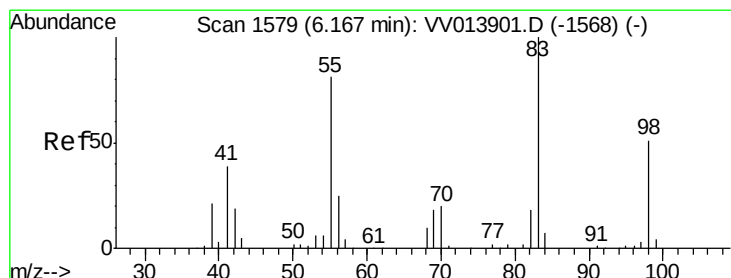
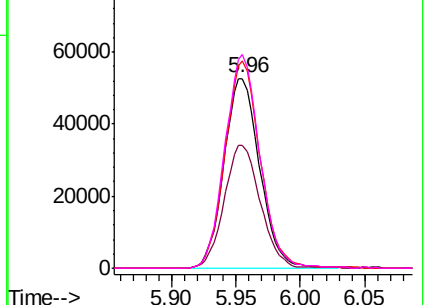


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 65.500 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

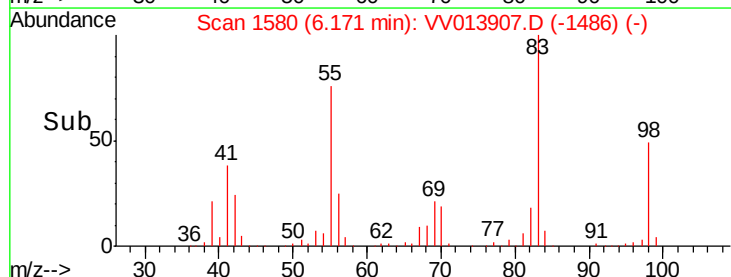
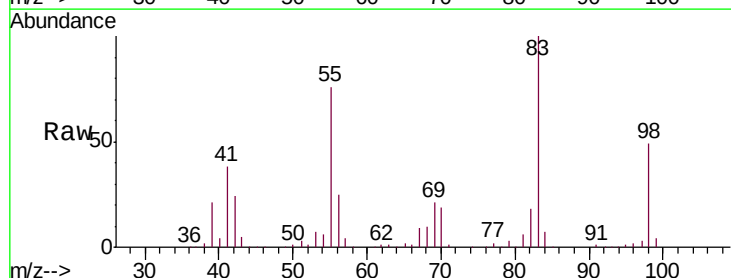
Tgt Ion: 83 Resp: 156794

Ion Ratio Lower Upper

83 100

55 75.1 55.5 83.3

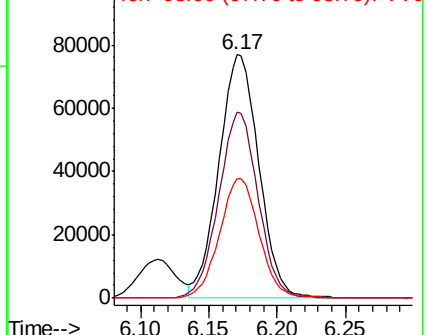
98 48.5 38.5 57.7

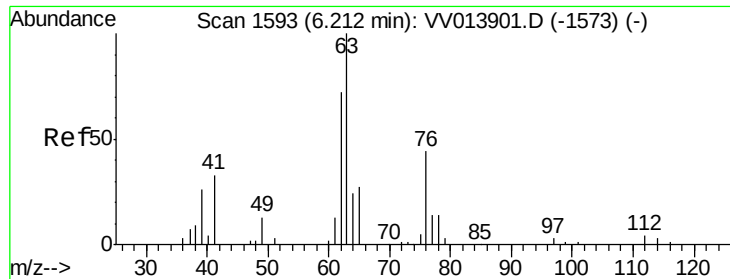


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 67.261 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV013907.D

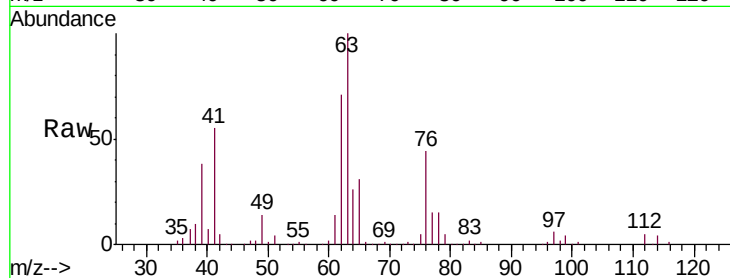
Acq: 04 Dec 2019 16:40

Tgt Ion: 63 Resp: 94929

Ion Ratio Lower Upper

63 100

112 4.9 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV013901.D (-1573) (-)

Ion 112.00 (111.70 to 112.70): VV013901.D (-1573) (-)

50000

40000

30000

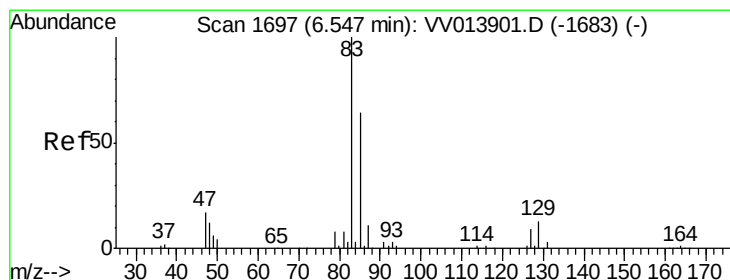
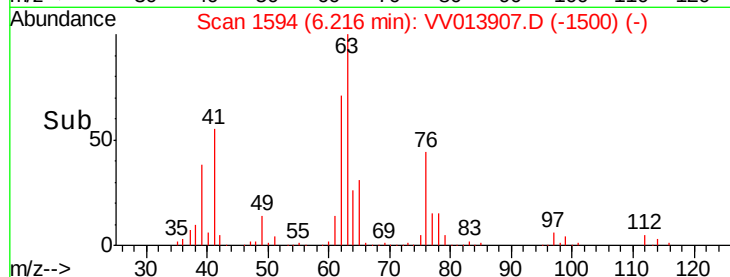
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 57.411 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

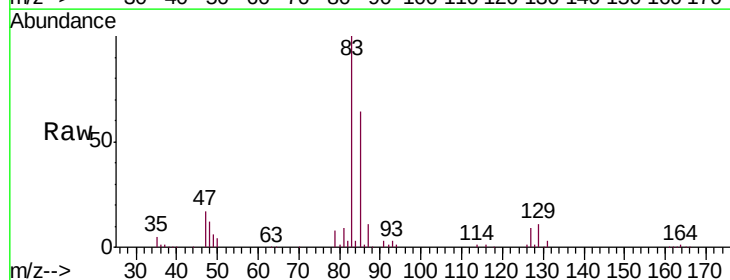
Tgt Ion: 83 Resp: 127469

Ion Ratio Lower Upper

83 100

85 64.0 45.0 83.6

127 9.1 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV013901.D (-1683) (-)

Ion 85.00 (84.70 to 85.70): VV013901.D (-1683) (-)

Ion 127.00 (126.70 to 127.70): VV013901.D (-1683) (-)

80000

60000

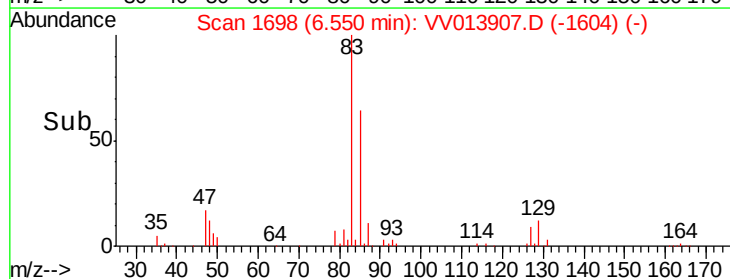
40000

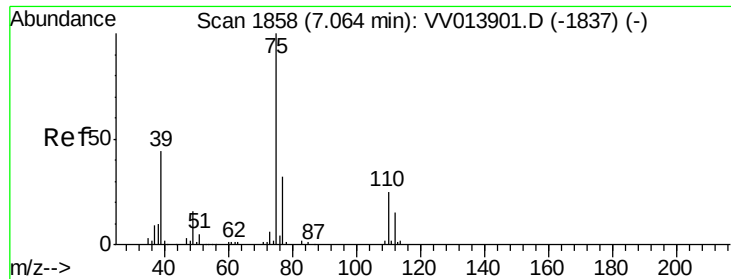
20000

0

6.50 6.55 6.60

Time-->





#39

cis-1,3-Dichloropropene

Concen: 60.206 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VV013907.D

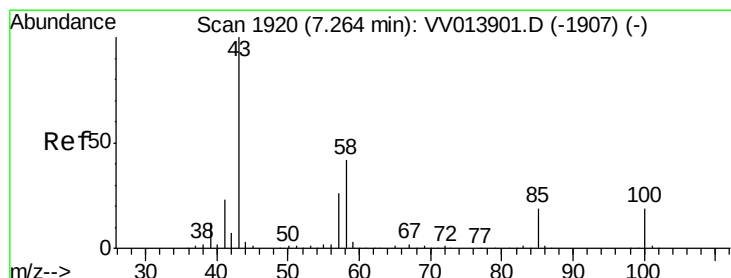
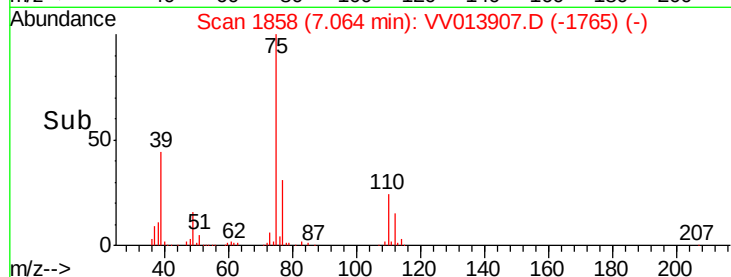
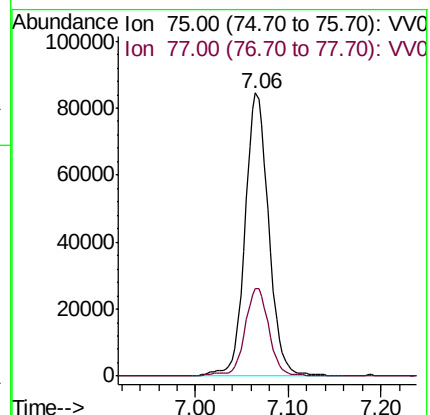
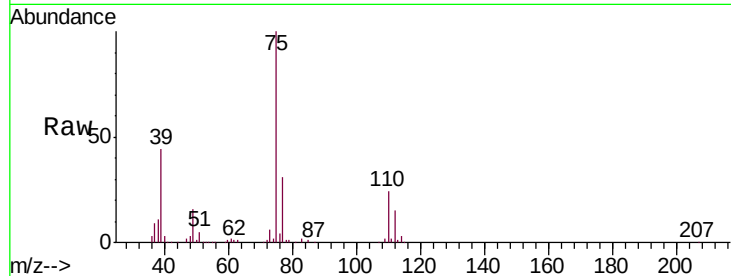
Acq: 04 Dec 2019 16:40

Tgt Ion: 75 Resp: 149810

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 141.273 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

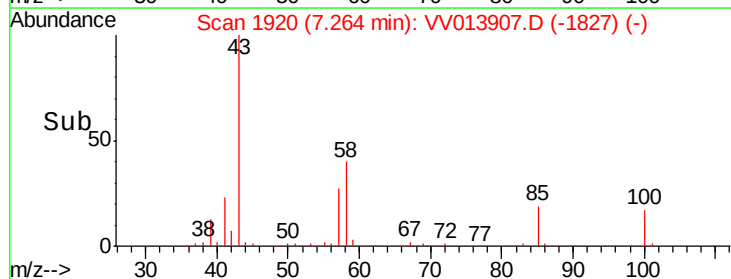
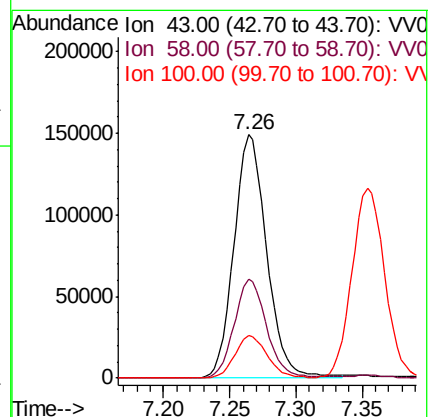
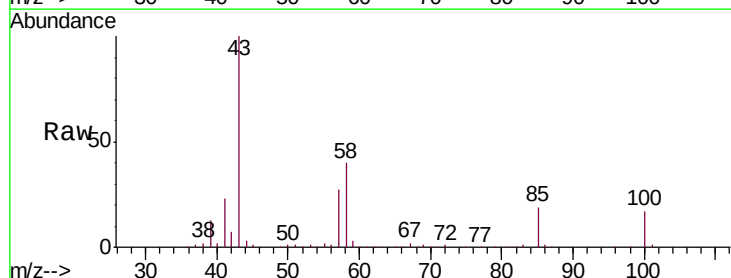
Tgt Ion: 43 Resp: 256620

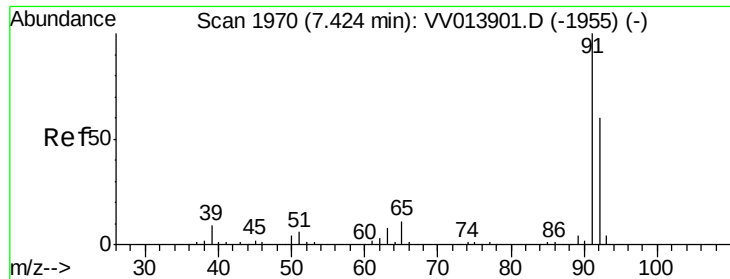
Ion Ratio Lower Upper

43 100

58 40.2 33.4 50.2

100 17.1 15.0 22.4





#42

Toluene

Concen: 63.311 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013907.D

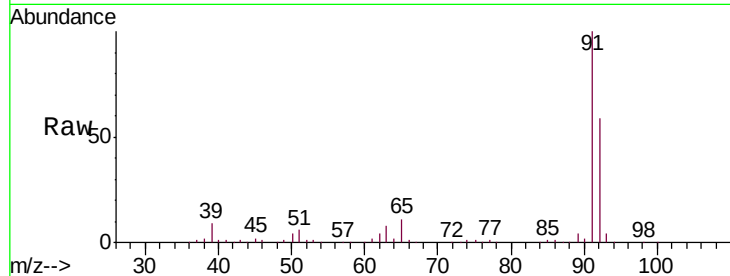
Acq: 04 Dec 2019 16:40

Tgt Ion: 91 Resp: 407061

Ion Ratio Lower Upper

91 100

92 59.4 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV013907.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VV013907.D (-1955) (-)

7.43

250000

200000

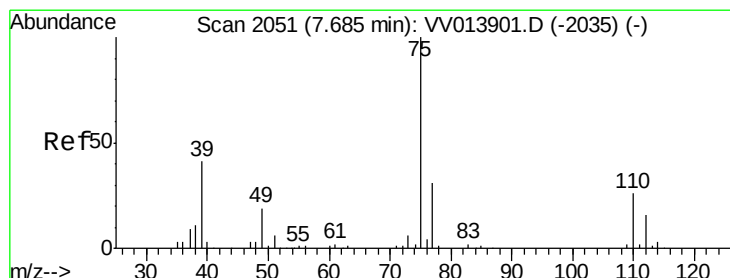
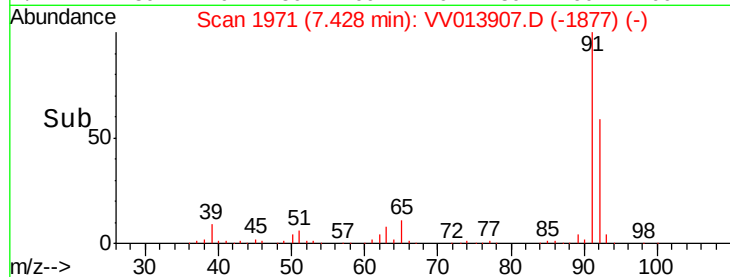
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.369 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013907.D

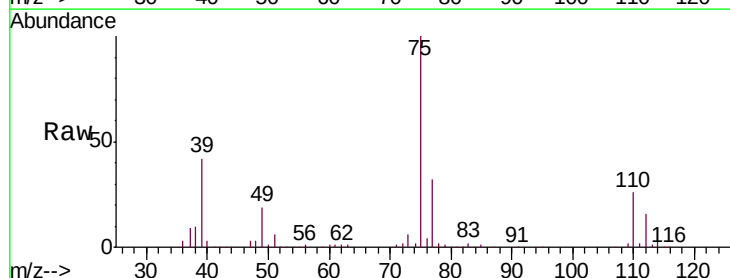
Acq: 04 Dec 2019 16:40

Tgt Ion: 75 Resp: 130056

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV013907.D (-1958) (-)

Ion 77.00 (76.70 to 77.70): VV013907.D (-1958) (-)

7.69

80000

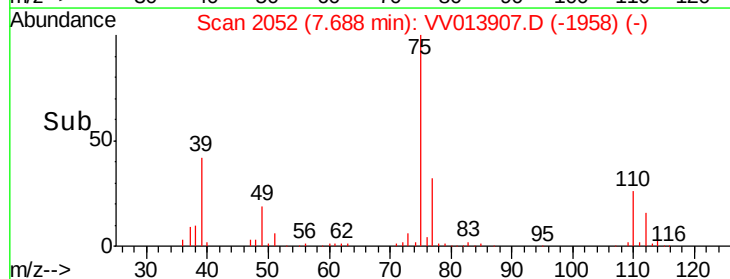
60000

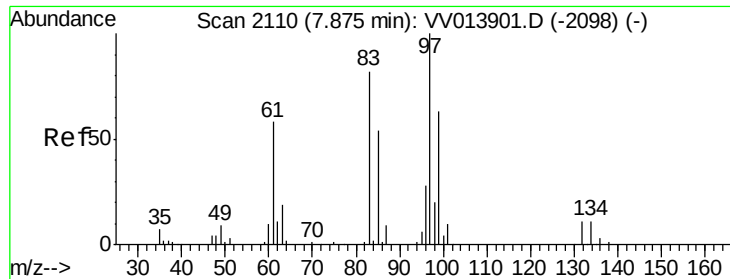
40000

20000

0

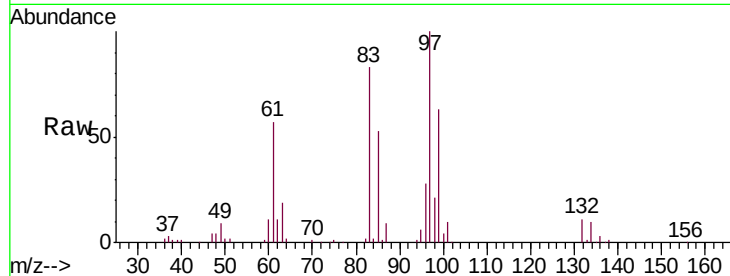
Time-->





#45
 1,1,2-Trichloroethane
 Concen: 58.850 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

Tgt Ion:	97	Resp:	89533
Ion	Ratio	Lower	Upper
97	100		
99	62.7	47.2	87.6
83	82.9	58.0	107.6
85	52.7	38.0	70.6



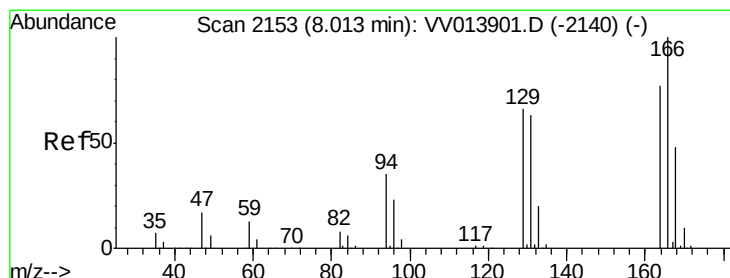
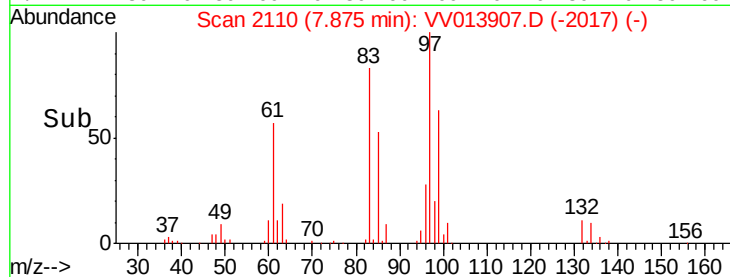
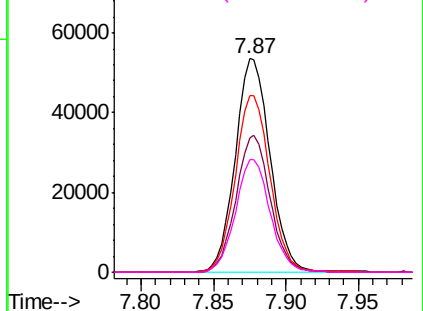
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

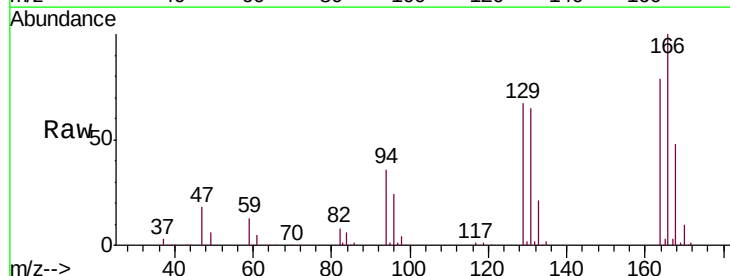
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 57.953 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

Tgt Ion:	164	Resp:	86842
Ion	Ratio	Lower	Upper
164	100		
129	85.0	64.3	119.5
131	82.1	60.1	111.7
166	126.7	91.8	170.6



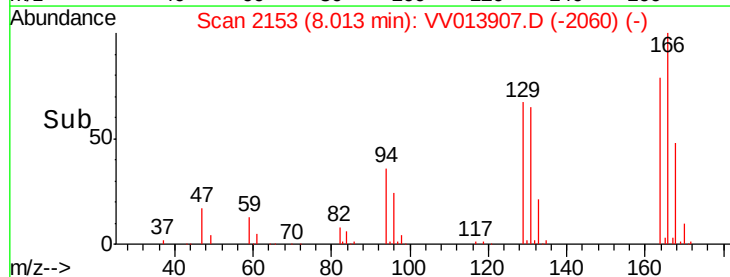
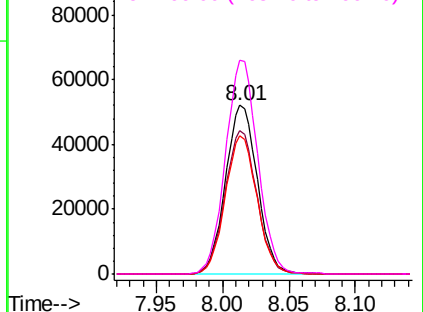
Abundance

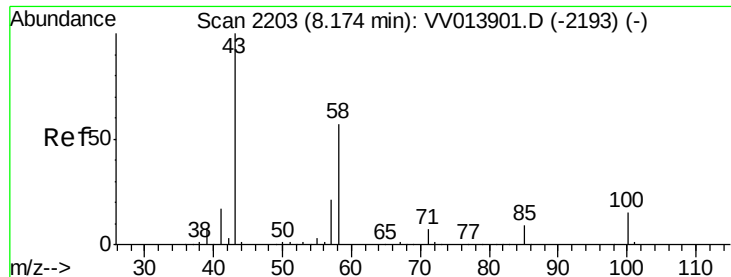
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

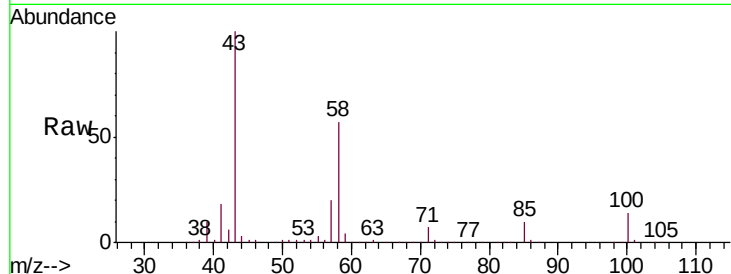
Ion 166.00 (165.70 to 166.70): V



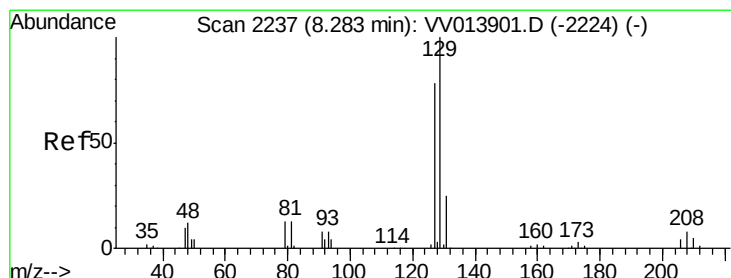
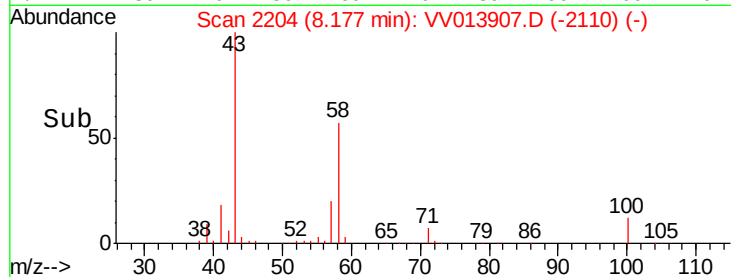
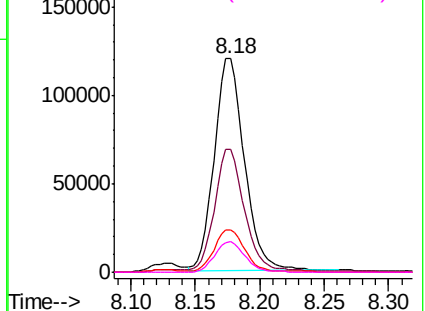


#48
2-Hexanone
Concen: 143.749 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion:	43	Resp:	196861
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.6	68.4
57	20.4	17.0	25.6
100	14.1	11.5	17.3

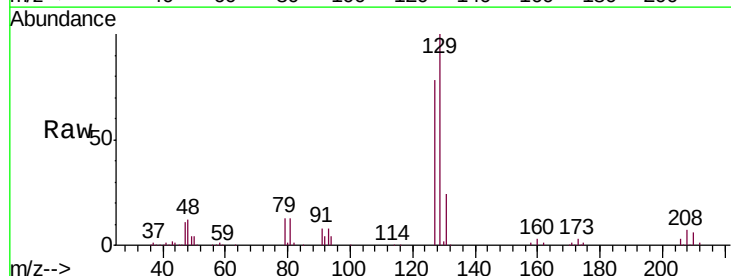


Abundance Ion 43.00 (42.70 to 43.70): VV013907.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV013907.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV013907.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV013907.D (-2193) (-)

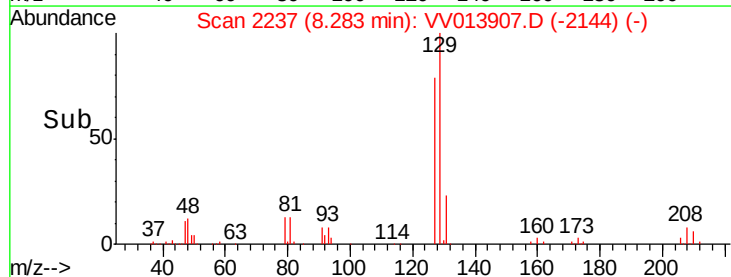
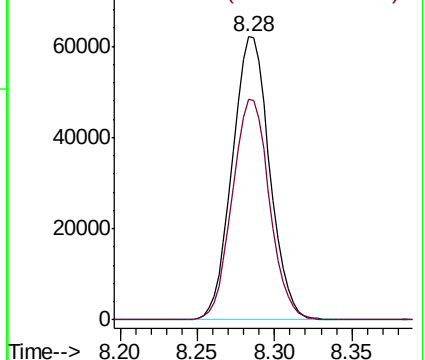


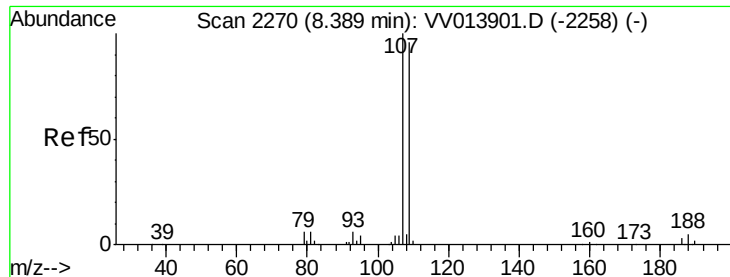
#49
Dibromochloromethane
Concen: 52.721 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion:	129	Resp:	104085
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.8	100.0



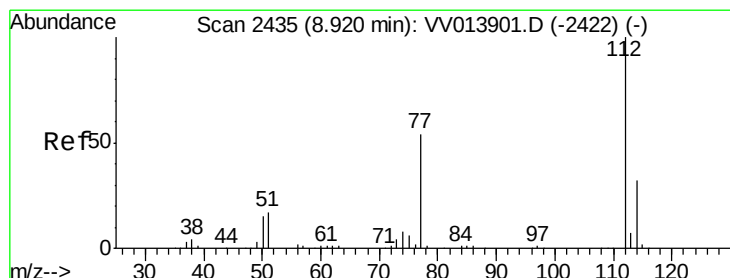
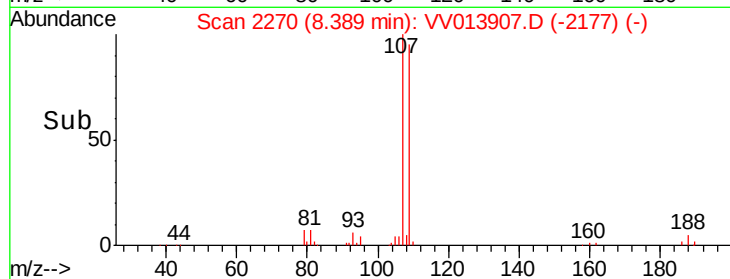
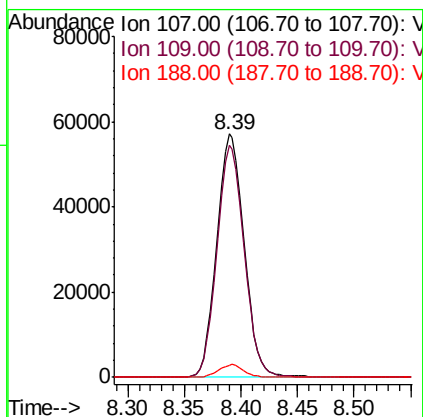
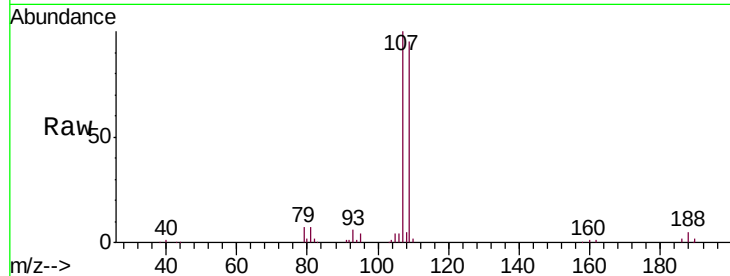
Abundance Ion 129.00 (128.70 to 129.70): VV013907.D (-2224) (-)
Ion 127.00 (126.70 to 127.70): VV013907.D (-2224) (-)





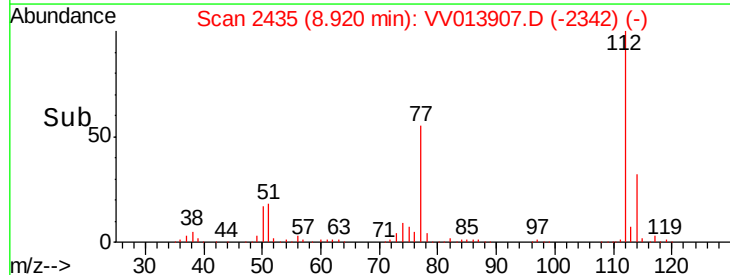
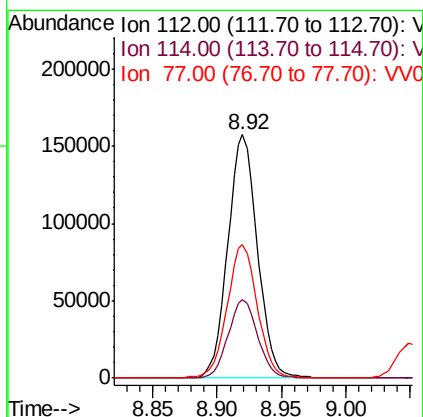
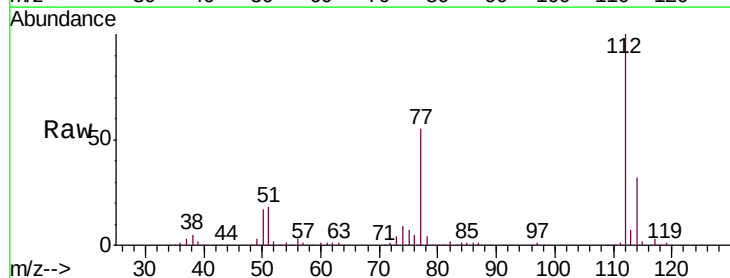
#50
1,2-Dibromoethane
Concen: 57.179 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

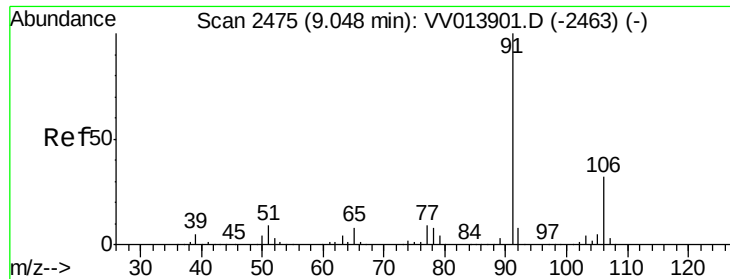
Tgt Ion:	107	Resp:	96207
Ion	Ratio	Lower	Upper
107	100		
109	95.3	67.0	124.4
188	5.0	3.9	5.9



#51
Chlorobenzene
Concen: 57.951 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion:	112	Resp:	251208
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.8	42.4
77	54.9	44.7	67.1





#52

Ethylbenzene

Concen: 57.433 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013907.D

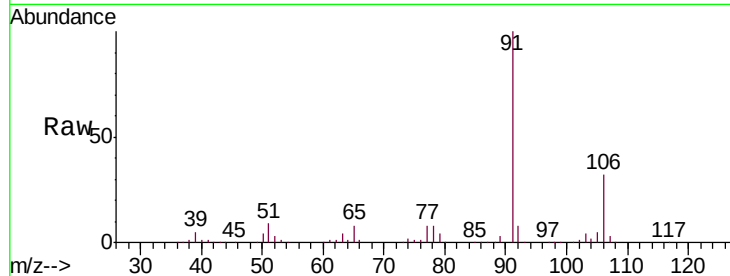
Acq: 04 Dec 2019 16:40

Tgt Ion: 91 Resp: 414331

Ion Ratio Lower Upper

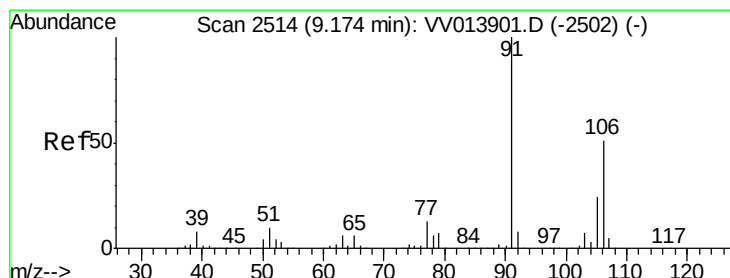
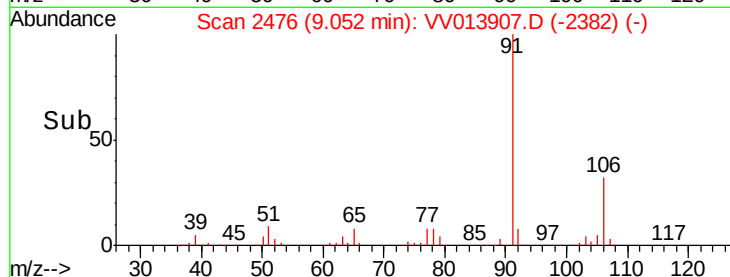
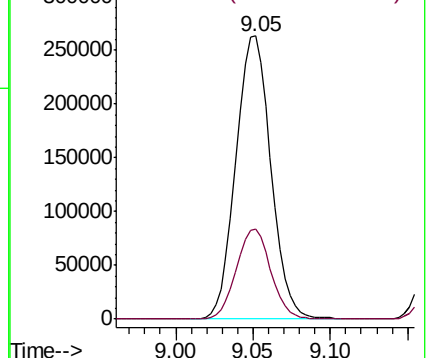
91 100

106 31.8 22.3 41.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 58.539 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013907.D

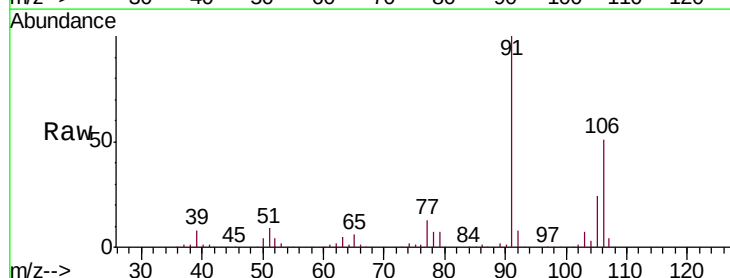
Acq: 04 Dec 2019 16:40

Tgt Ion: 106 Resp: 162915

Ion Ratio Lower Upper

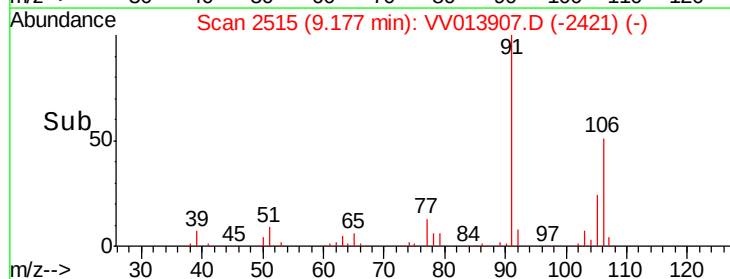
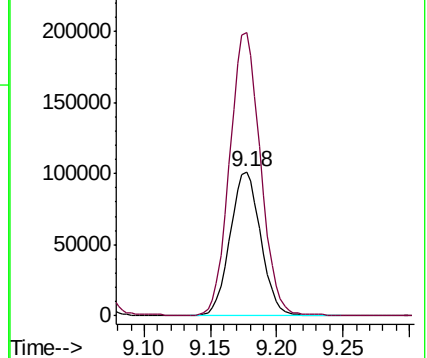
106 100

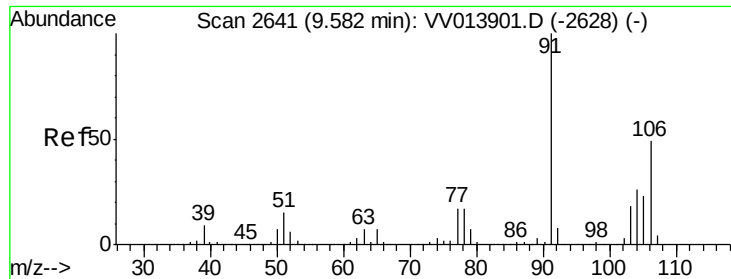
91 195.9 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

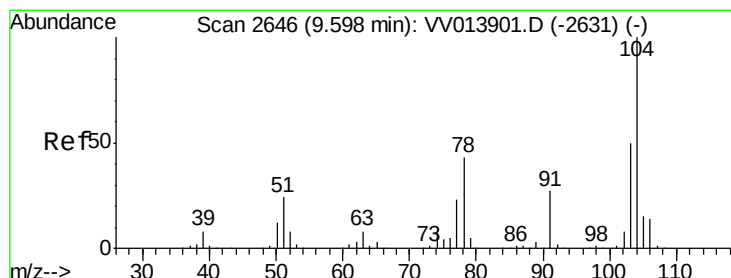
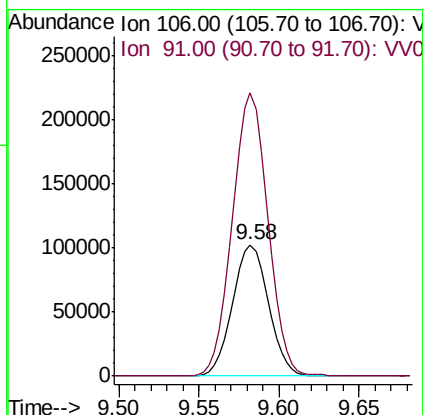
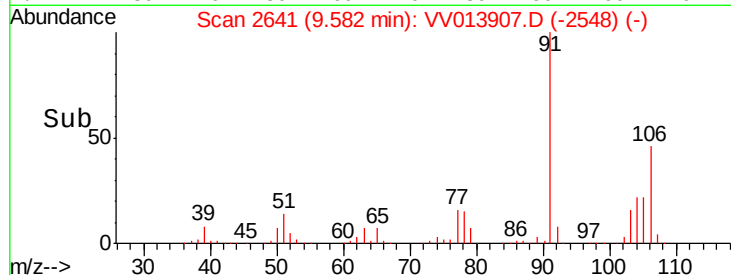
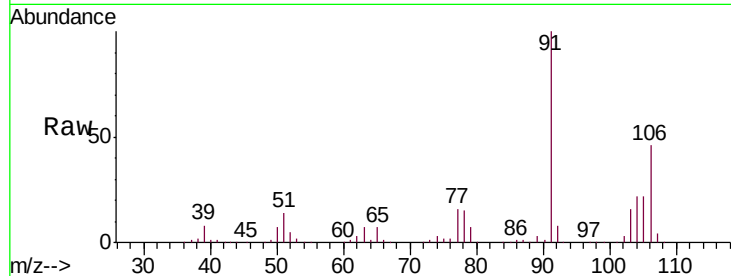
Ion 91.00 (90.70 to 91.70): VV0





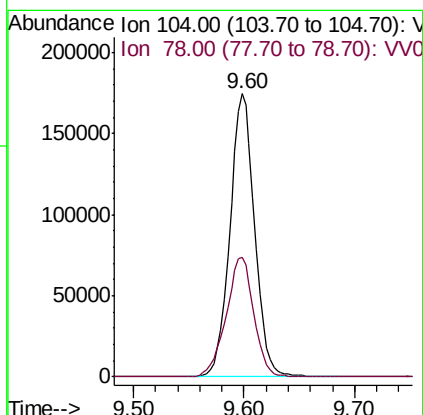
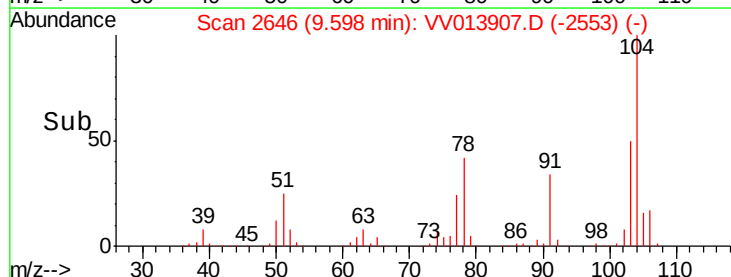
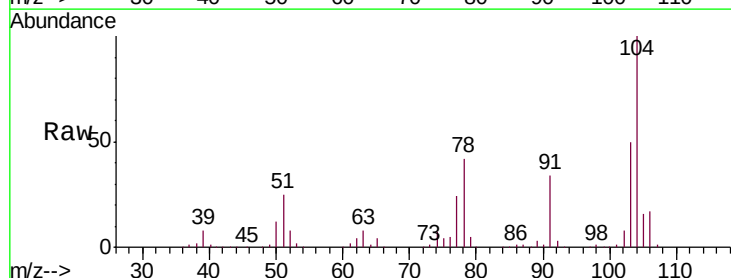
#54
o-Xylene
Concen: 56.567 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

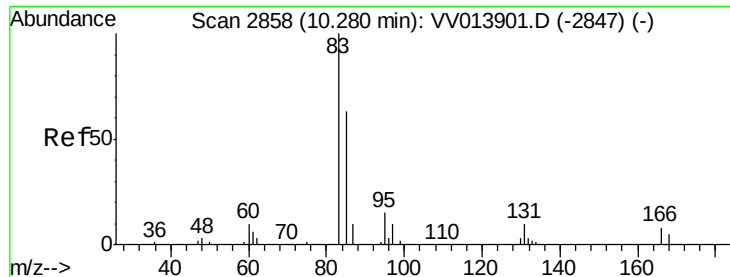
Tgt Ion:106 Resp: 156216
Ion Ratio Lower Upper
106 100
91 215.8 150.4 279.2



#55
Styrene
Concen: 58.286 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

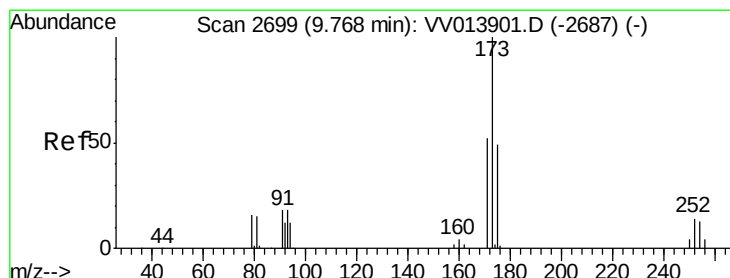
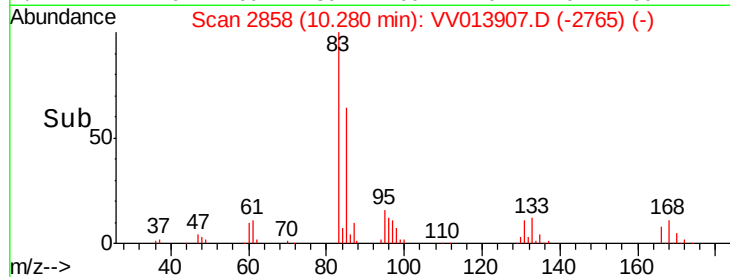
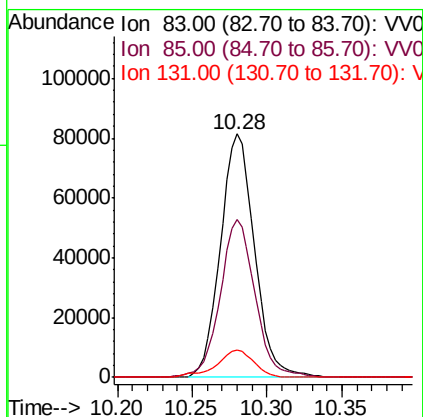
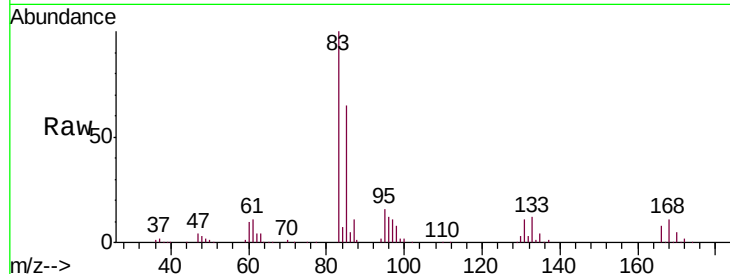
Tgt Ion:104 Resp: 271155
Ion Ratio Lower Upper
104 100
78 42.3 32.0 59.4





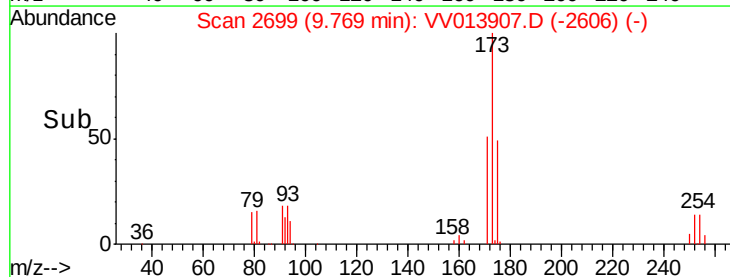
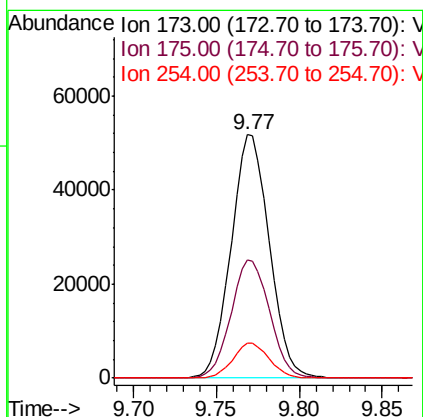
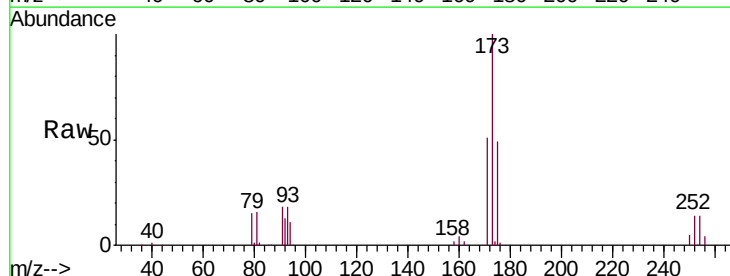
#57
 1,1,2,2-Tetrachloroethane
 Concen: 55.272 ug/L
 RT: 10.28 min Scan# 2858
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

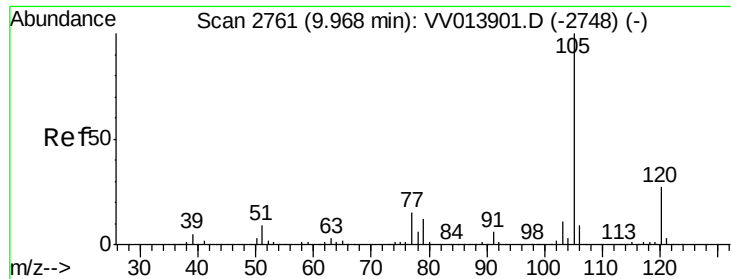
Tgt Ion:	83	Resp:	129314
Ion	Ratio	Lower	Upper
83	100		
85	64.6	44.6	82.8
131	11.1	9.3	13.9



#59
 Bromoform
 Concen: 52.082 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

Tgt Ion:	173	Resp:	83166
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.3	57.5
254	13.7	8.9	13.3#





#60

Isopropylbenzene

Concen: 55.765 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

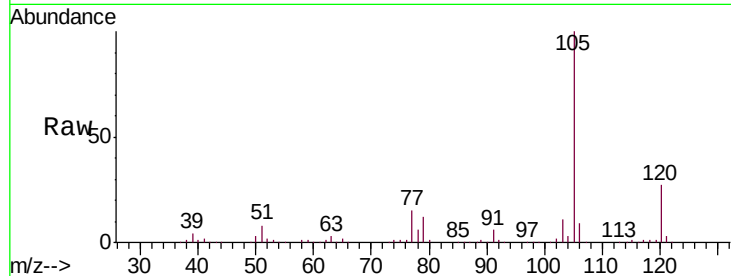
Tgt Ion: 105 Resp: 415578

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

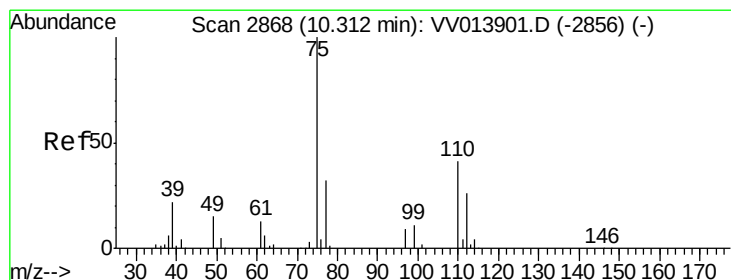
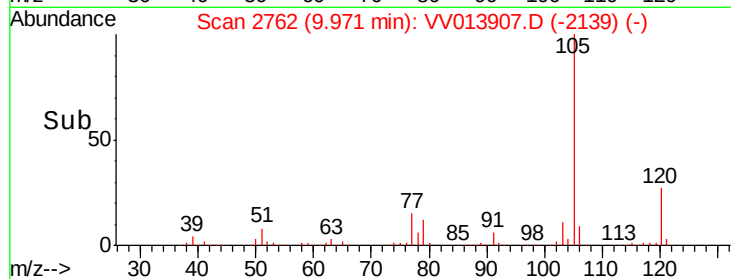
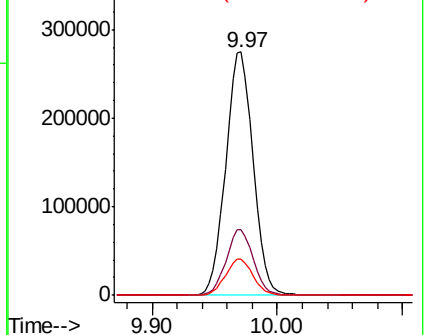
77 14.9 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 61.655 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013907.D

Acq: 04 Dec 2019 16:40

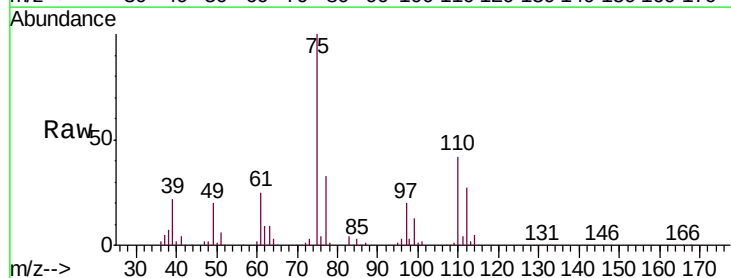
Tgt Ion: 75 Resp: 113972

Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

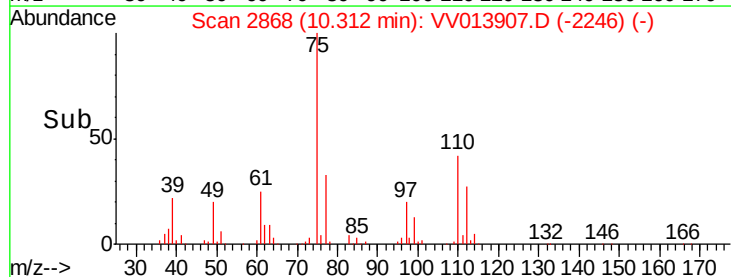
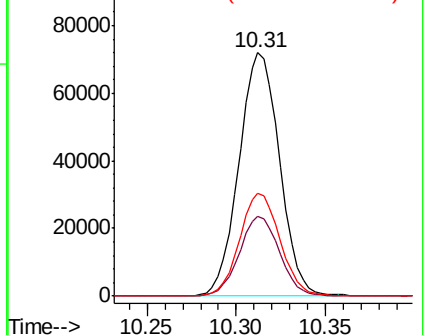
110 42.1 34.2 51.4

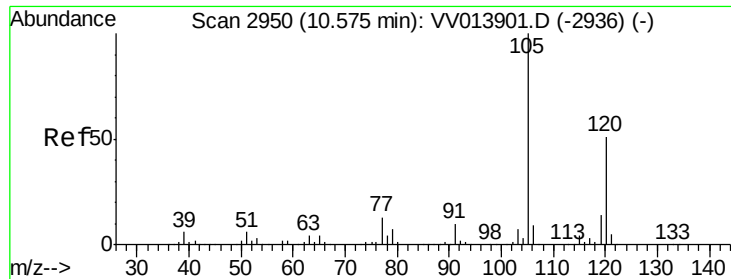


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

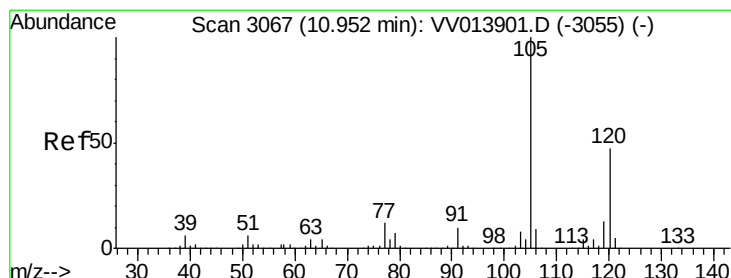
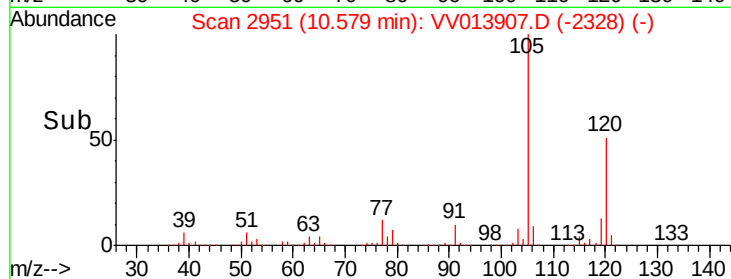
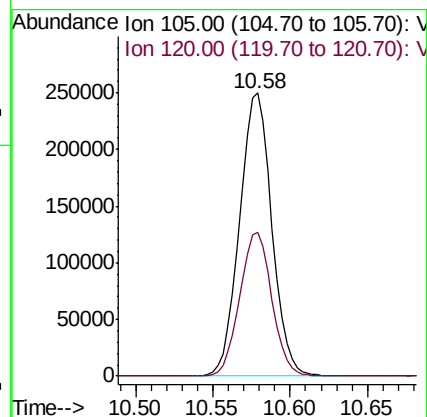
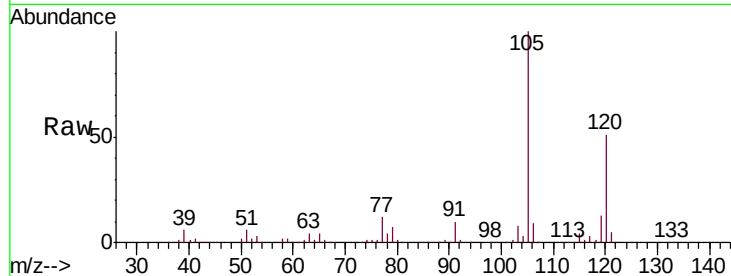
Ion 110.00 (109.70 to 110.70): V





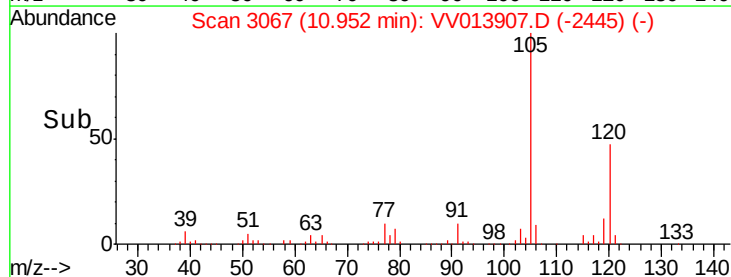
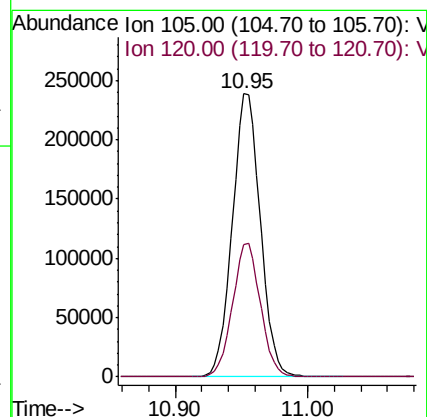
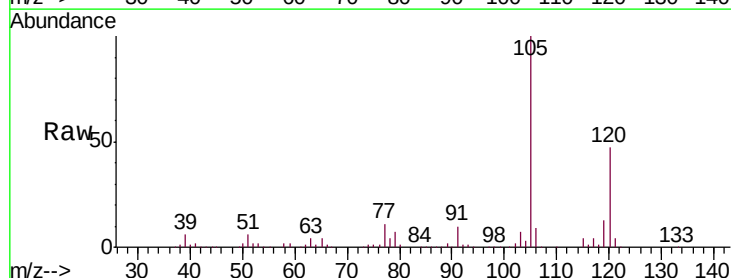
#62
 1,3,5-Trimethylbenzene
 Concen: 56.075 ug/L
 RT: 10.58 min Scan# 2951
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

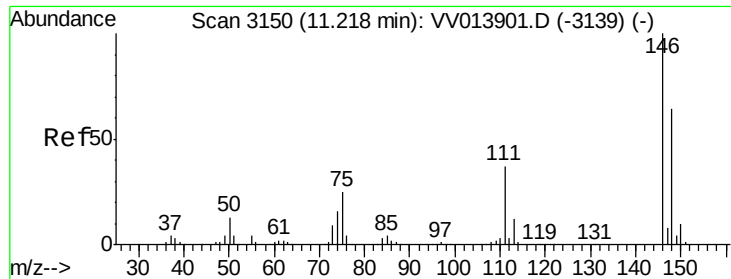
Tgt Ion:105 Resp: 361265
 Ion Ratio Lower Upper
 105 100
 120 50.7 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 55.206 ug/L
 RT: 10.95 min Scan# 3067
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

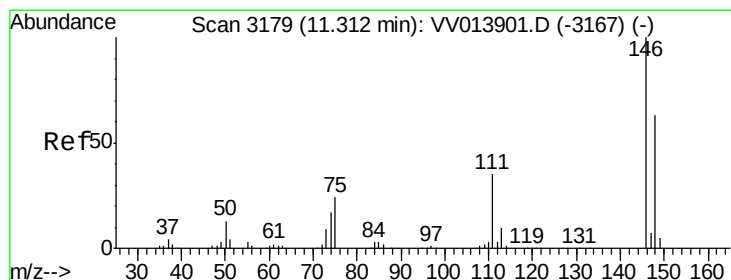
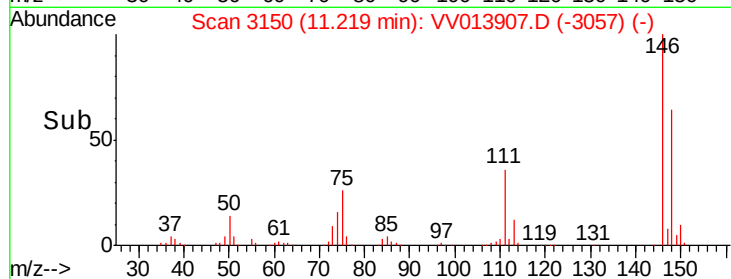
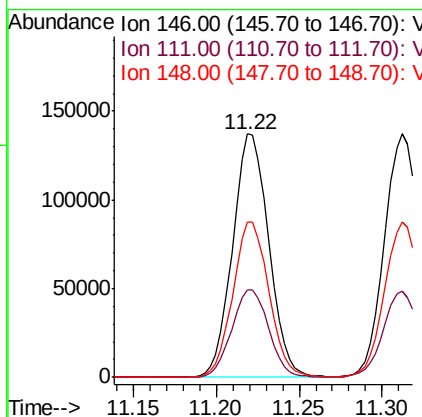
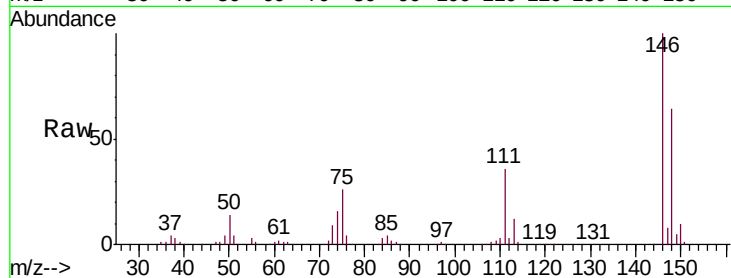
Tgt Ion:105 Resp: 351032
 Ion Ratio Lower Upper
 105 100
 120 46.9 36.7 55.1





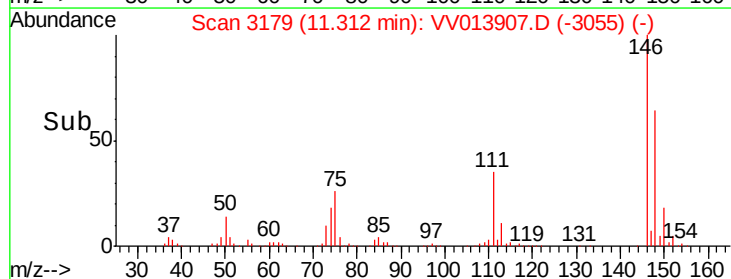
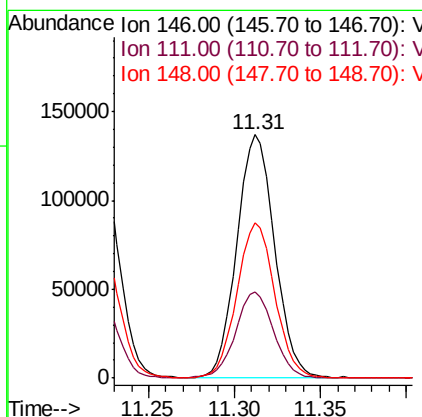
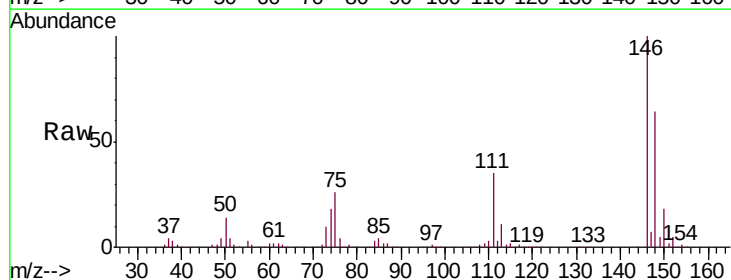
#64
 1,3-Dichlorobenzene
 Concen: 55.502 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

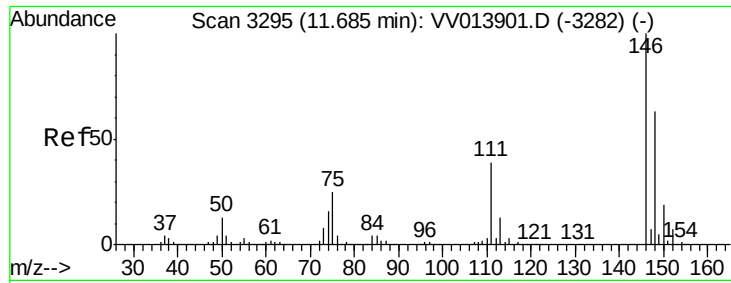
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	26.8	49.8
148	63.8	44.6	82.8



#65
 1,4-Dichlorobenzene
 Concen: 54.998 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

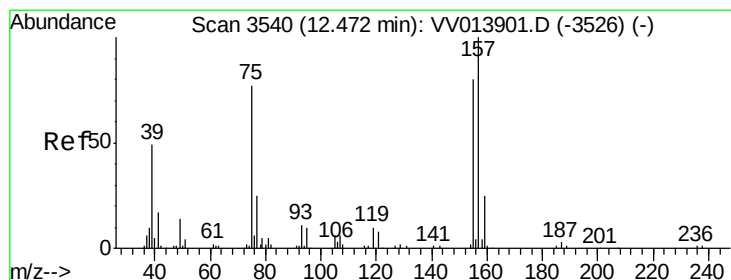
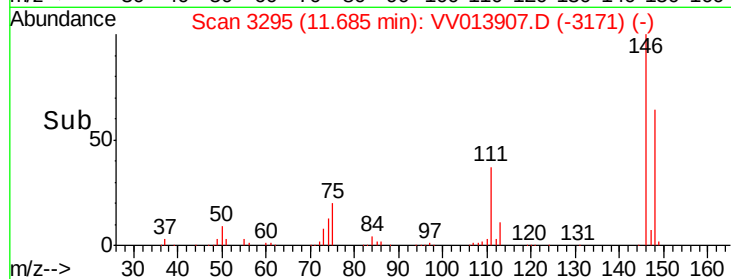
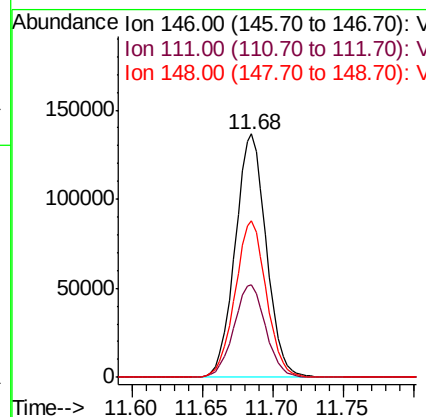
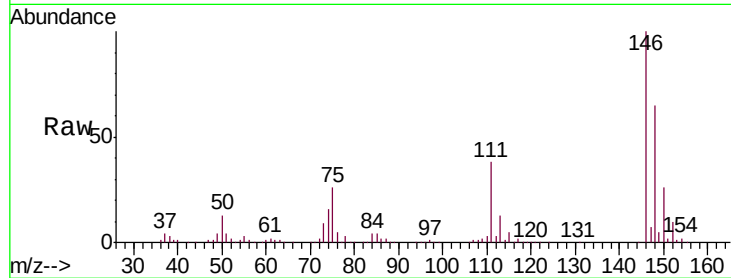
Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	25.8	47.8
148	63.7	45.2	84.0





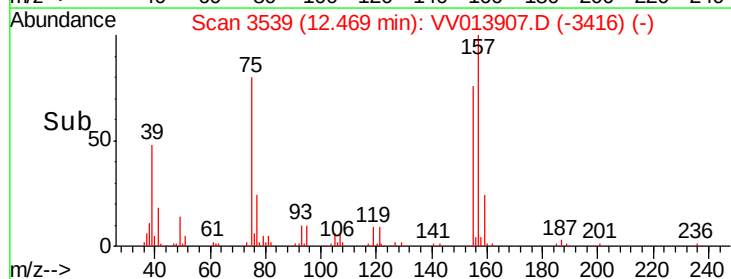
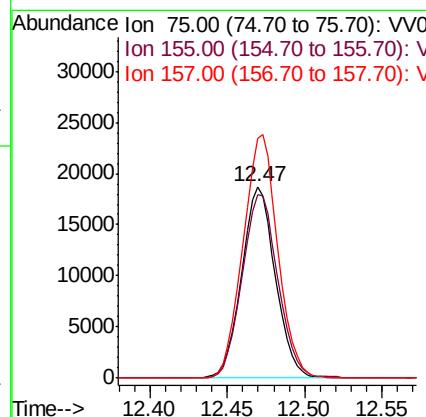
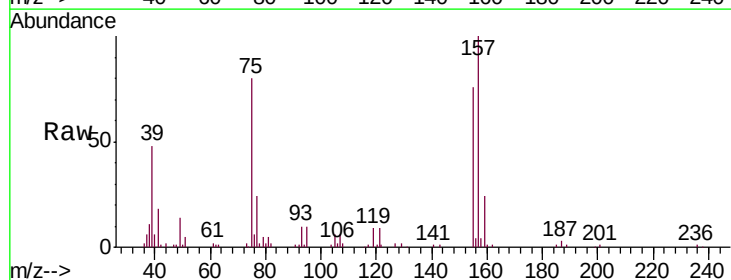
#67
 1,2-Dichlorobenzene
 Concen: 54.896 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

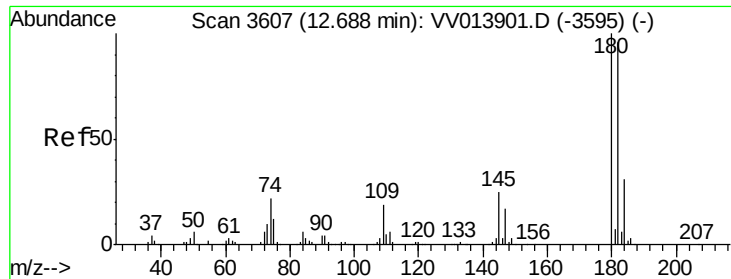
Tgt Ion: 146 Resp: 210609
 Ion Ratio Lower Upper
 146 100
 111 37.9 32.2 48.2
 148 64.5 53.2 79.8



#68
 1,2-Dibromo-3-chloropropane
 Concen: 46.352 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

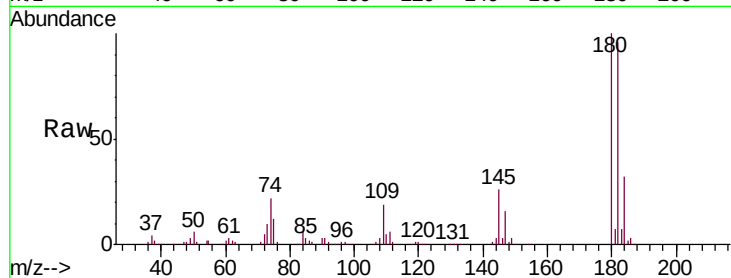
Tgt Ion: 75 Resp: 28239
 Ion Ratio Lower Upper
 75 100
 155 95.5 81.2 121.8
 157 124.9 102.3 153.5



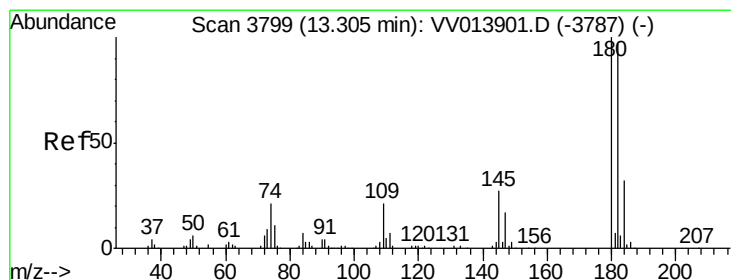
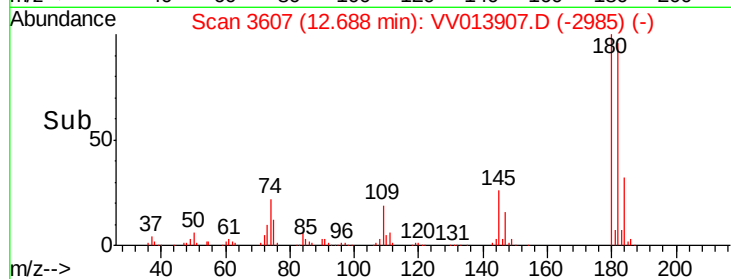
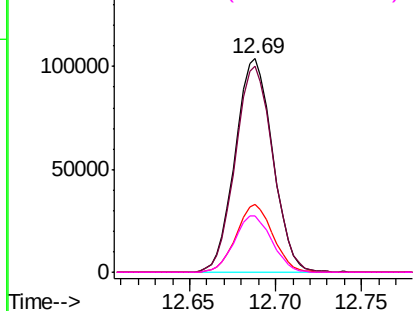


#69
 1,3,5-Trichlorobenzene
 Concen: 51.795 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

Tgt Ion:	180	Resp:	157879
Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.5	114.7
184	31.0	24.6	36.8
145	26.2	22.5	33.7

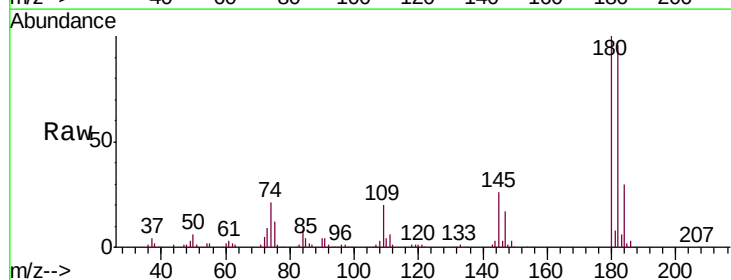


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

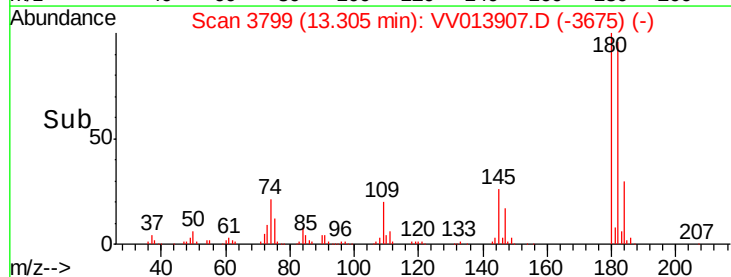
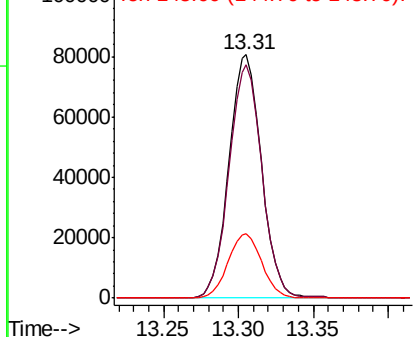


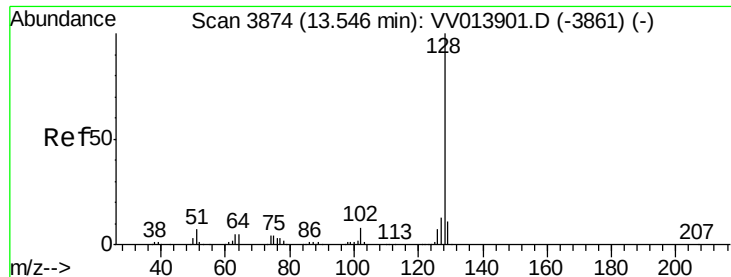
#70
 1,2,4-trichlorobenzene
 Concen: 46.314 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013907.D
 Acq: 04 Dec 2019 16:40

Tgt Ion:	180	Resp:	122403
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.5	114.7
145	27.1	23.3	34.9



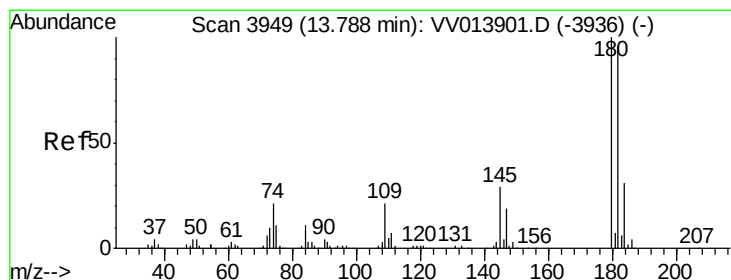
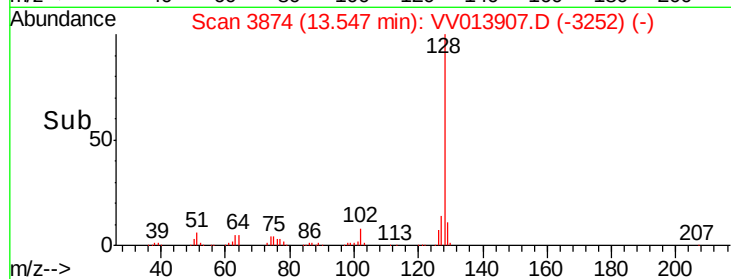
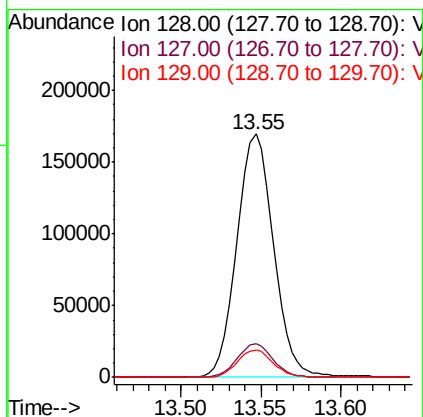
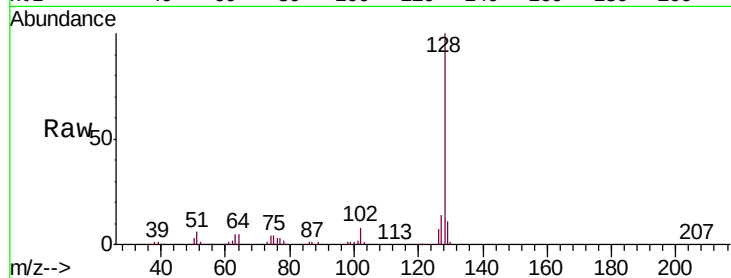
Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#71
Naphthalene
Concen: 39.582 ug/L
RT: 13.55 min Scan# 3874
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion:128 Resp: 265140
Ion Ratio Lower Upper
128 100
127 13.5 10.6 15.8
129 11.0 8.6 12.8



#72
1,2,3-Trichlorobenzene
Concen: 50.352 ug/L
RT: 13.79 min Scan# 3949
Delta R.T. 0.00 min
Lab File: VV013907.D
Acq: 04 Dec 2019 16:40

Tgt Ion:180 Resp: 133919
Ion Ratio Lower Upper
180 100
182 96.1 77.2 115.8
145 28.6 24.6 36.8

