

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015413.D
 Acq On : 09 Apr 2020 11:51
 Operator : SY/MD
 Sample : VSTD0.534
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	120514	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	112485	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54950	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	2900	0.35	ug/L	0.00
7) Chloroethane-d5	1.58	69	2835	0.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	6332	0.34	ug/L	0.00
20) 2-Butanone-d5	3.99	46	2838	1.46	ug/L	0.00
24) Chloroform-d	4.38	84	6321	0.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	3329	0.44	ug/L	0.00
32) Benzene-d6	5.08	84	11074	0.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	3317	0.41	ug/L	0.00
41) Toluene-d8	7.34	98	10532	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	1379	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.12	63	6473	4.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	2695	0.44	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	4312	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	5822	0.512	ug/L 98
3) Chloromethane	1.24	50	5689	0.486	ug/L 92
5) Vinyl chloride	1.32	62	5538	0.458	ug/L 92
6) Bromomethane	1.53	94	2949	0.388	ug/L 99
8) Chloroethane	1.59	64	3284	0.458	ug/L 92
9) Trichlorofluoromethane	1.76	101	6834	0.396	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3958	0.369	ug/L 98
12) 1,1-Dichloroethene	2.13	96	3969	0.387	ug/L 91
13) Acetone	2.25	43	4753	3.560	ug/L 84
14) Carbon disulfide	2.31	76	12926	0.391	ug/L 100
16) Methylene chloride	2.52	84	5160	0.423	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	9986	0.426	ug/L 98
18) trans-1,2-Dichloroethene	2.77	96	4187	0.386	ug/L 98
19) 1,1-Dichloroethane	3.21	63	7915	0.419	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	4464	0.401	ug/L 99
23) Bromochloromethane	4.27	128	1809	0.396	ug/L 97
25) Chloroform	4.40	83	8581	0.405	ug/L 99
27) 1,2-Dichloroethane	5.16	62	5231	0.550	ug/L 97
29) 1,1,1-Trichloroethane	4.63	97	7315	0.430	ug/L 98
30) Cyclohexane	4.70	56	7665	0.467	ug/L 97
31) Carbon tetrachloride	4.85	117	6292	0.429	ug/L 99
33) Benzene	5.13	78	16946	0.561	ug/L 100
34) Trichloroethene	5.94	95	4550	0.533	ug/L 97
35) Methylcyclohexane	6.15	83	7327	0.493	ug/L 98
37) 1,2-Dichloropropane	6.20	63	4071	0.558	ug/L # 96
38) Bromodichloromethane	6.53	83	5552	0.553	ug/L 95
39) cis-1,3-Dichloropropene	7.05	75	5955	0.519	ug/L 94
40) 4-Methyl-2-pentanone	7.26	43	26723	6.290	ug/L 99
42) Toluene	7.41	91	18082	0.506	ug/L 99
44) trans-1,3-Dichloropropene	7.68	75	4981	0.509	ug/L 87

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

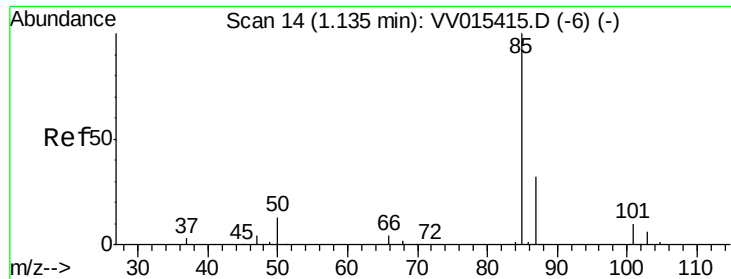
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 10 02:20:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Apr 10 02:18:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.86	97	2733	0.503	ug/L	94
47) Tetrachloroethene	7.99	164	3173	0.505	ug/L	97
48) 2-Hexanone	8.17	43	17200	5.701	ug/L	98
49) Dibromochloromethane	8.27	129	3295	0.513	ug/L	93
50) 1,2-Dibromoethane	8.38	107	2618	0.507	ug/L #	93
51) Chlorobenzene	8.90	112	11938	0.517	ug/L	97
52) Ethylbenzene	9.03	91	20001	0.485	ug/L	95
53) m,p-xylene	9.16	106	7722	0.486	ug/L	96
54) o-xylene	9.57	106	7599	0.494	ug/L	97
55) Styrene	9.58	104	12264	0.482	ug/L	99
56) Isopropylbenzene	9.95	105	20128	0.488	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	3295	0.525	ug/L #	93
59) 1,2,3-Trichloropropane	10.30	75	2587	0.545	ug/L	90
61) Bromoform	9.75	173	1557	0.537	ug/L #	93
62) 1,3-Dichlorobenzene	11.21	146	8770	0.485	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	9290	0.512	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	8304	0.514	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.46	75	607	0.519	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	6066	0.481	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5737	0.515	ug/L	99
69) Naphthalene	13.53	128	10943	0.427	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	5115	0.533	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.512 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

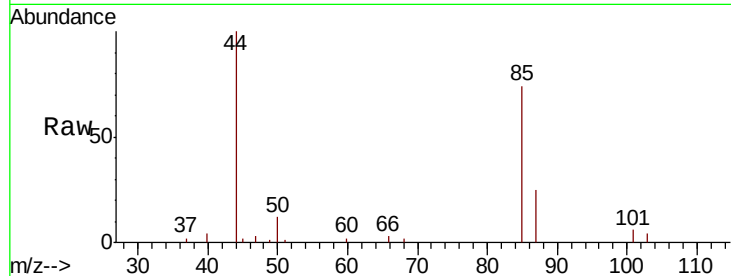
ClientSampleId :

Tot Ion: 85 Resp: 5822

Ion Ratio Lower Upper

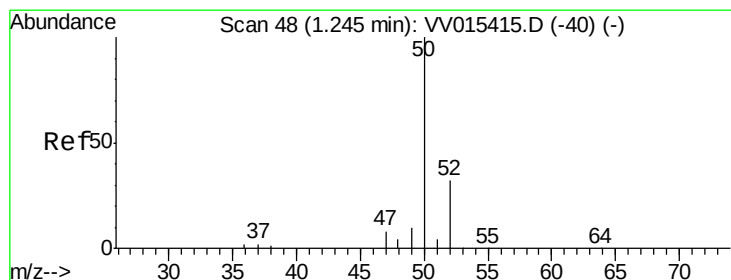
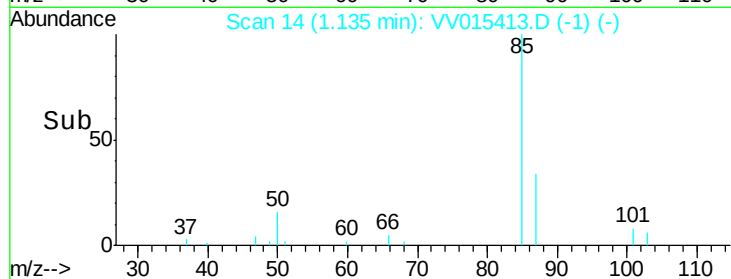
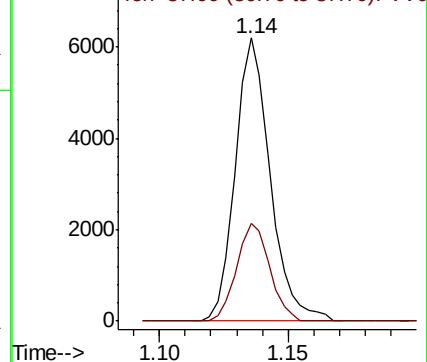
85 100

87 32.5 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.486 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV015413.D

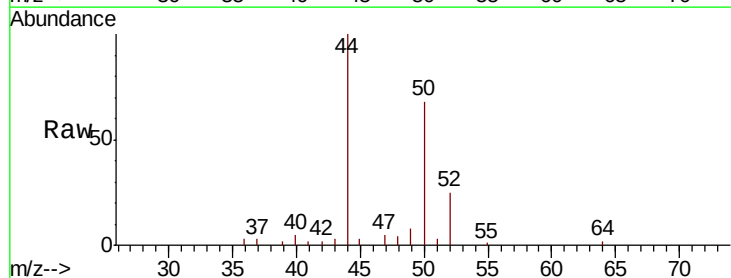
Acq: 09 Apr 2020 11:51

Tgt Ion: 50 Resp: 5689

Ion Ratio Lower Upper

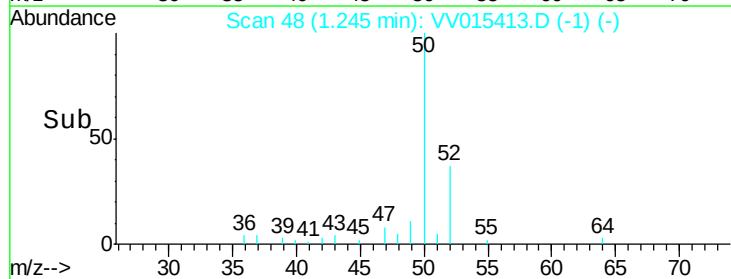
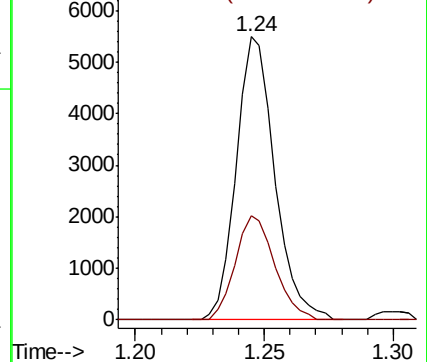
50 100

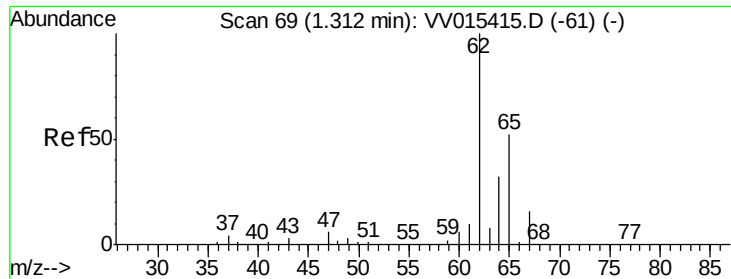
52 36.6 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.458 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

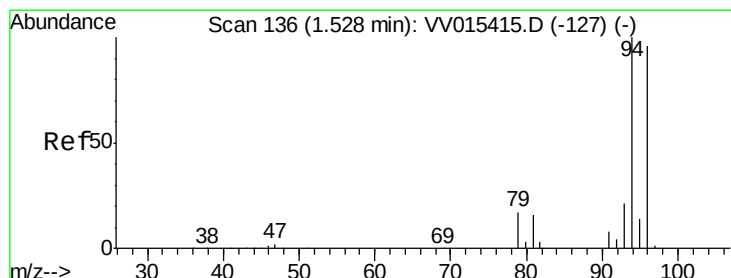
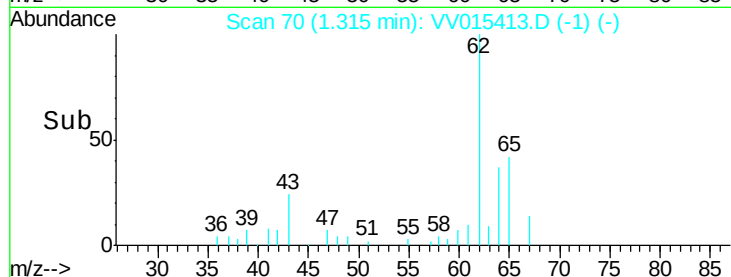
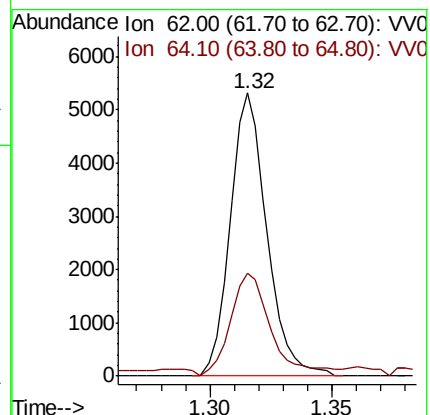
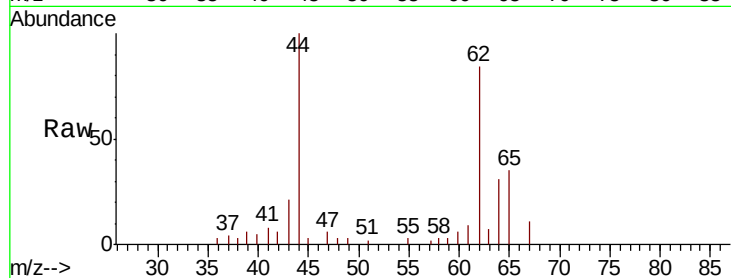
ClientSampled :

Tot Ion: 62 Resp: 5538

Ion Ratio Lower Upper

62 100

64 36.6 22.5 41.7



#6

Bromomethane

Concen: 0.388 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV015413.D

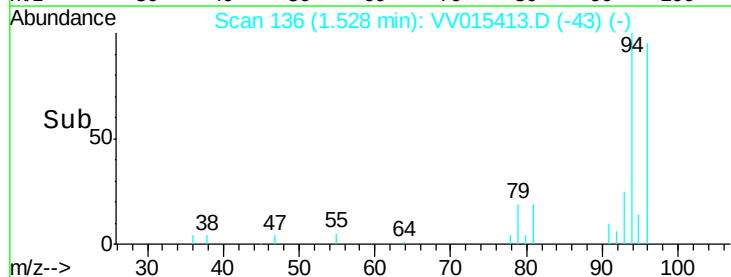
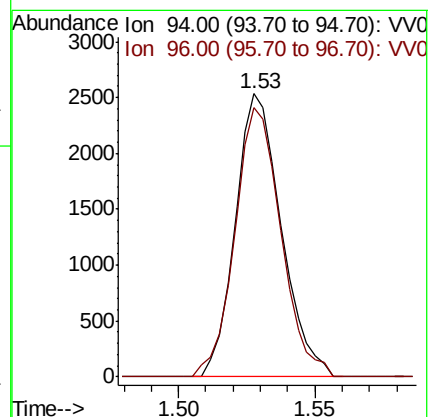
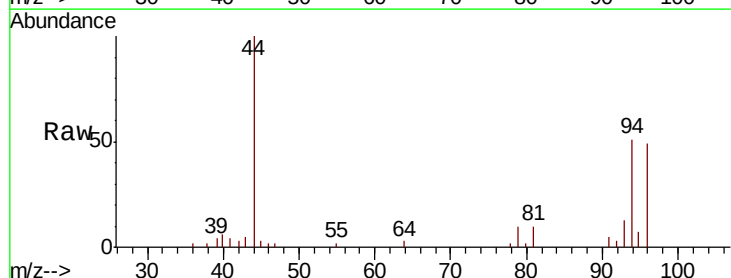
Acq: 09 Apr 2020 11:51

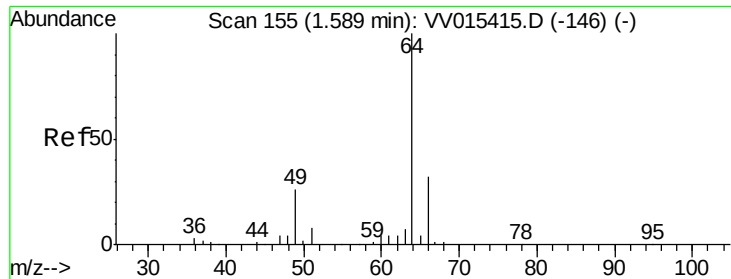
Tgt Ion: 94 Resp: 2949

Ion Ratio Lower Upper

94 100

96 95.0 67.2 124.8

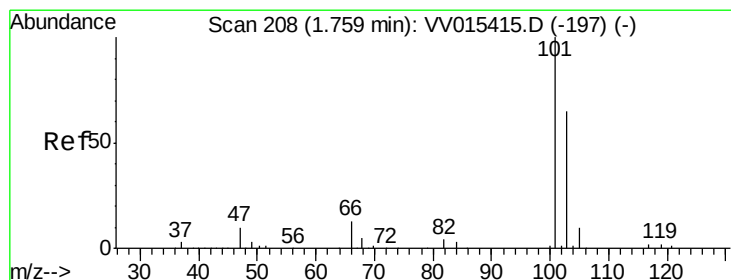
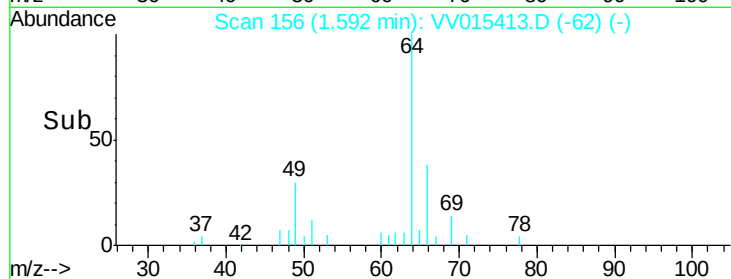
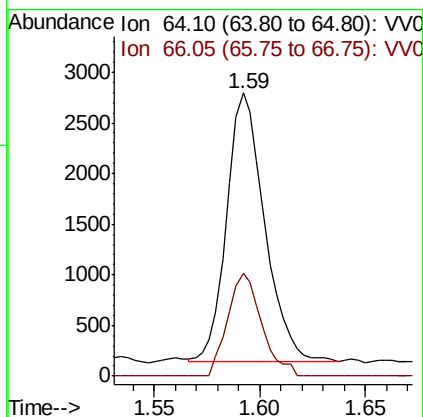
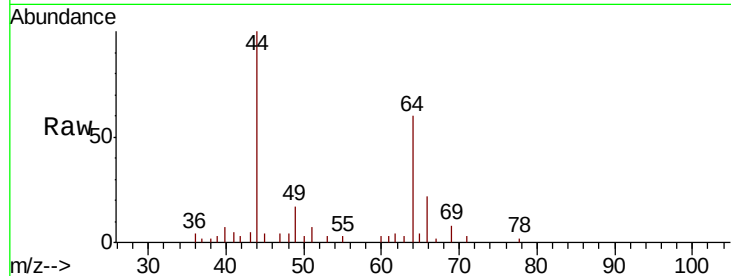




#8
 Chloroethane
 Concen: 0.458 ug/L
 RT: 1.59 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

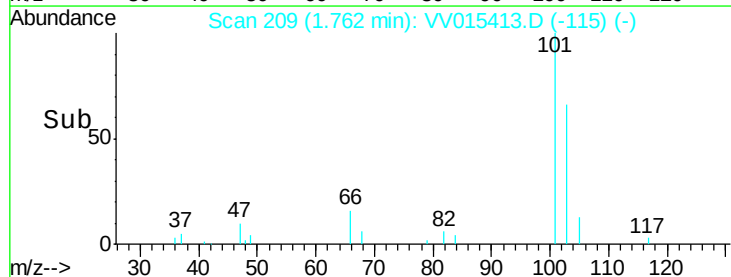
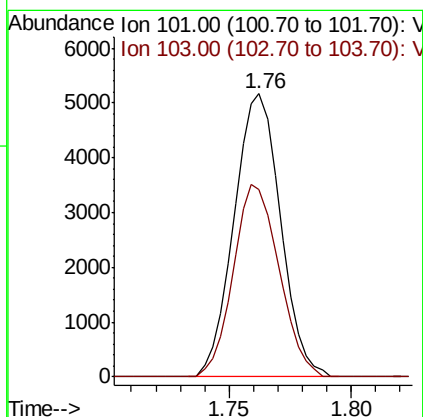
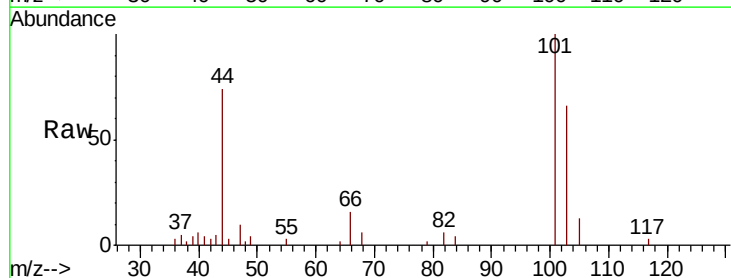
Instrument :
 MSVOA_V
 ClientSampleId :

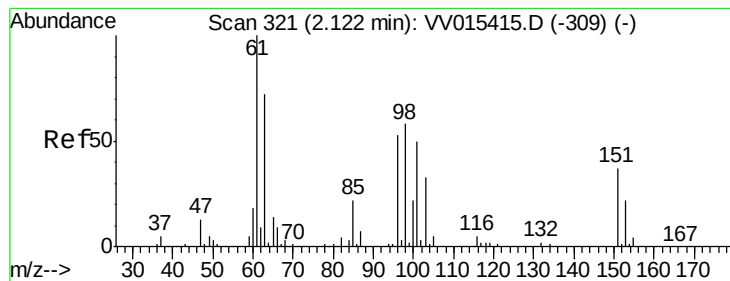
Tot Ion: 64 Resp: 3284
 Ion Ratio Lower Upper
 64 100
 66 36.1 22.3 41.5



#9
 Trichlorofluoromethane
 Concen: 0.396 ug/L
 RT: 1.76 min Scan# 209
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion:101 Resp: 6834
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.9 77.9





#10

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

Concen: 0.369 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.01 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

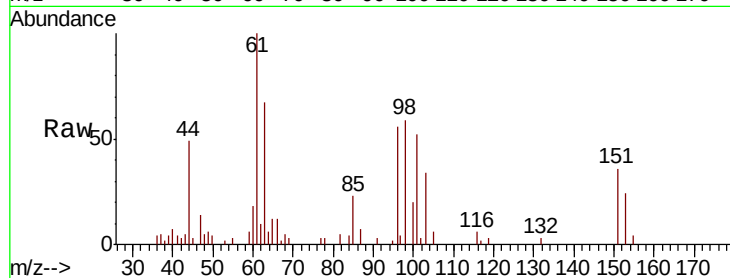
Tot Ion:101 Resp: 3958

Ion Ratio Lower Upper

101 100

85 47.3 36.3 54.5

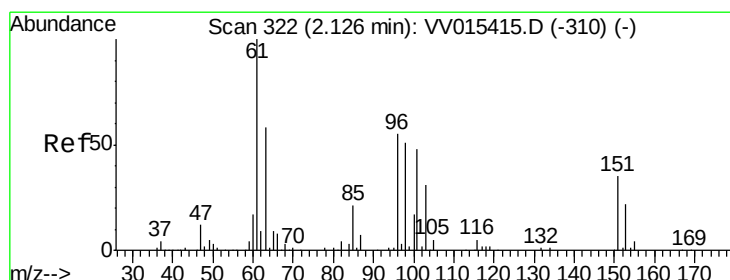
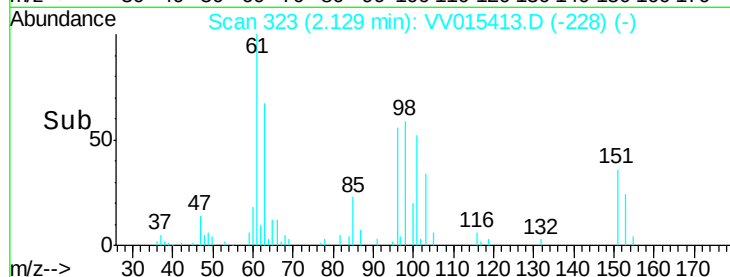
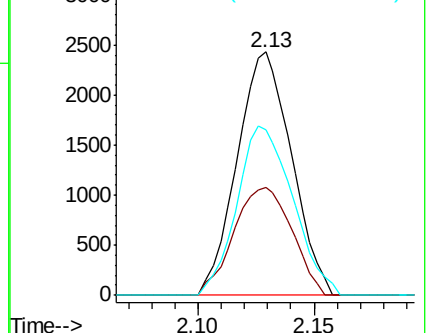
151 71.5 58.2 87.4



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: 0.387 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

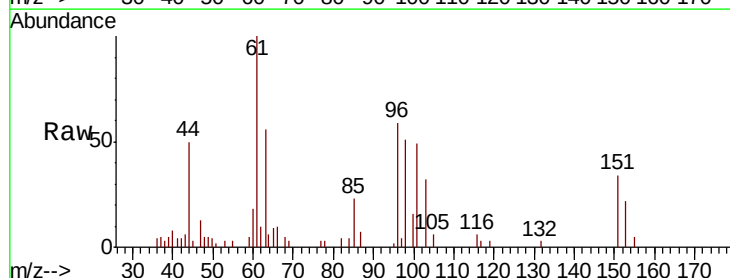
Tgt Ion: 96 Resp: 3969

Ion Ratio Lower Upper

96 100

61 170.9 127.7 237.1

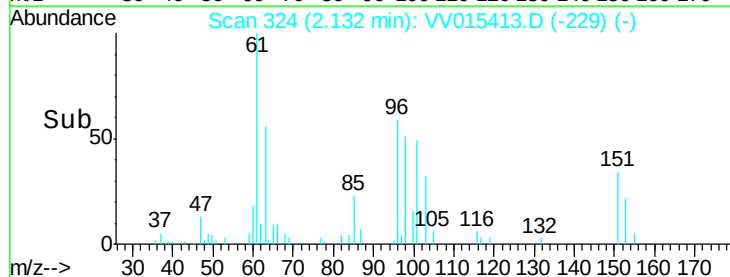
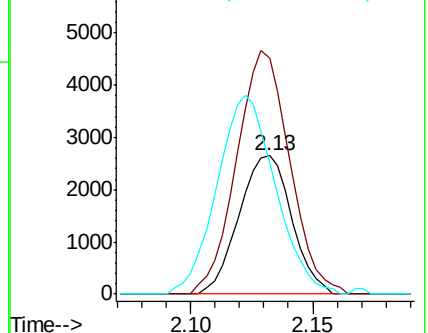
63 94.9 75.1 139.5

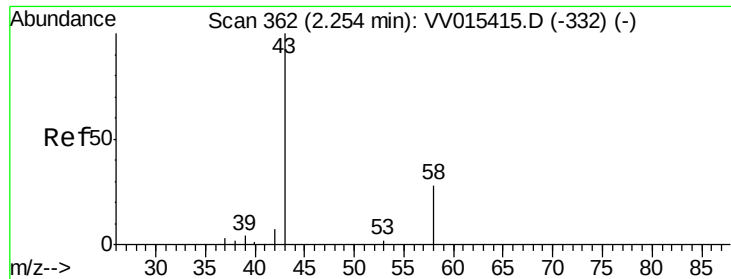


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

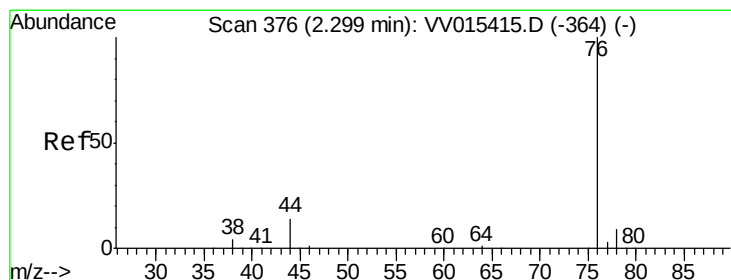
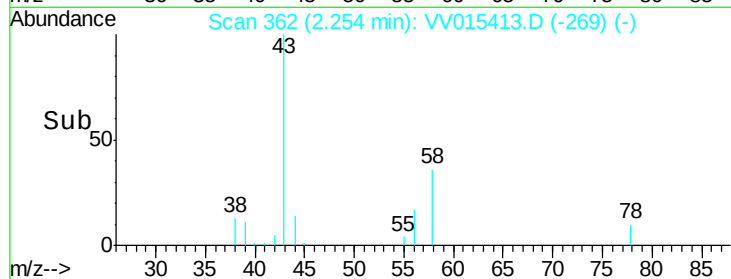
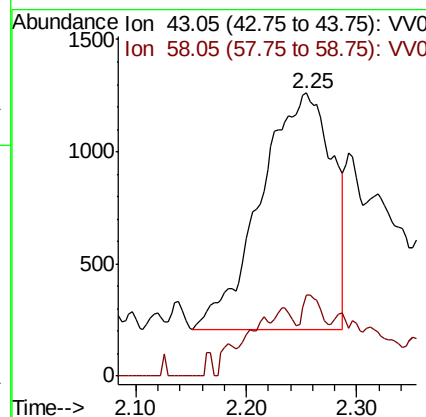
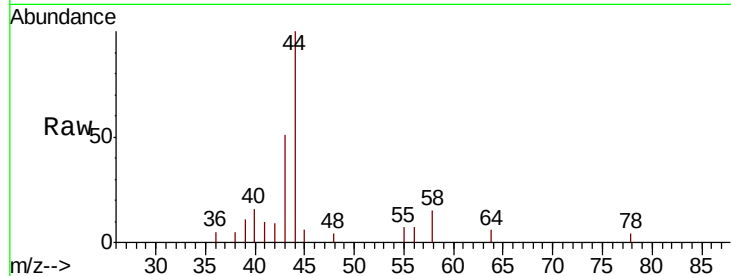




#13
Acetone
Concen: 3.560 ug/L
RT: 2.25 min Scan# 362
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

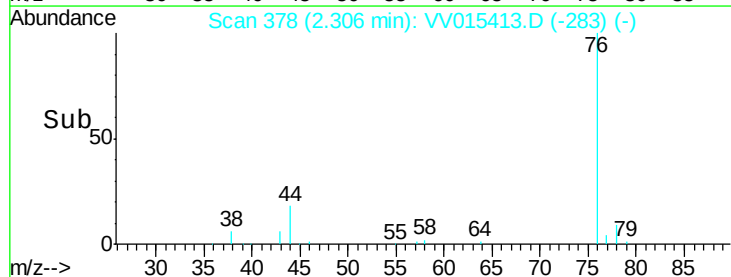
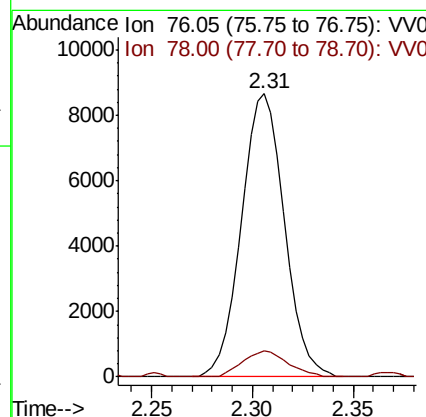
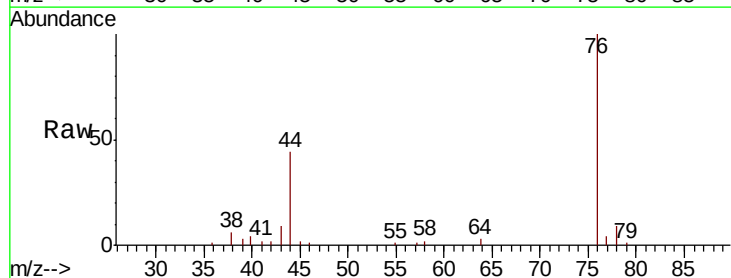
Instrument :
MSVOA_V
ClientSampled :

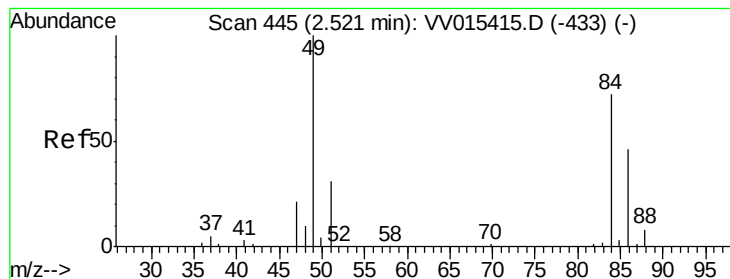
Tot Ion: 43 Resp: 4753
Ion Ratio Lower Upper
43 100
58 5.1 0.0 22.2



#14
Carbon disulfide
Concen: 0.391 ug/L
RT: 2.31 min Scan# 378
Delta R.T. 0.01 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Tgt Ion: 76 Resp: 12926
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9





#16

Methylene chloride

Concen: 0.423 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :
MSVOA_V
ClientSampled :

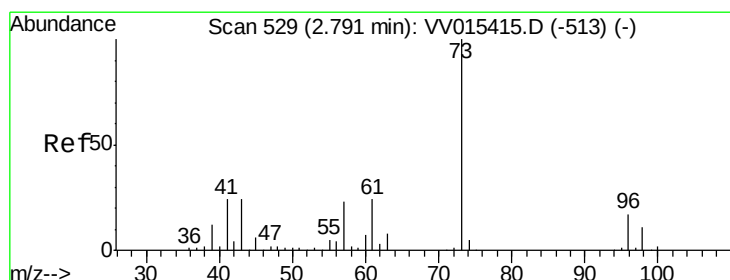
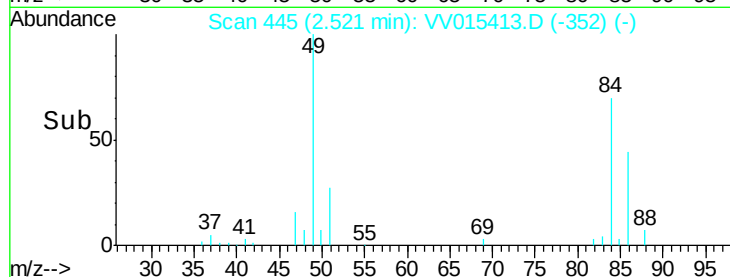
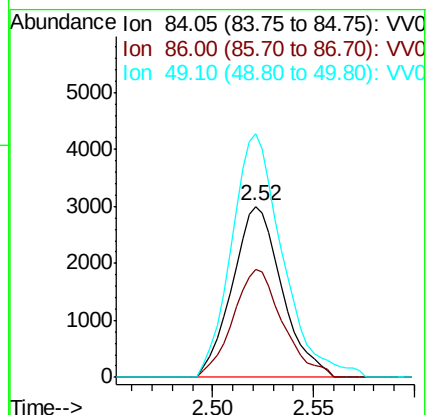
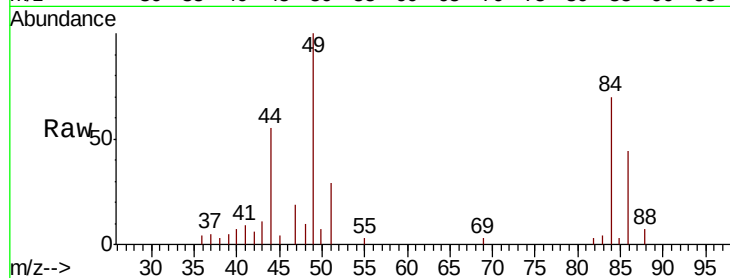
Tot Ion: 84 Resp: 5160

Ion Ratio Lower Upper

84 100

86 63.3 45.1 83.7

49 142.2 97.9 181.7



#17

Methyl tert-butyl Ether

Concen: 0.426 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

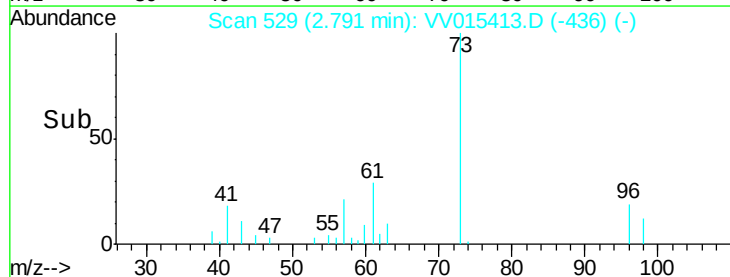
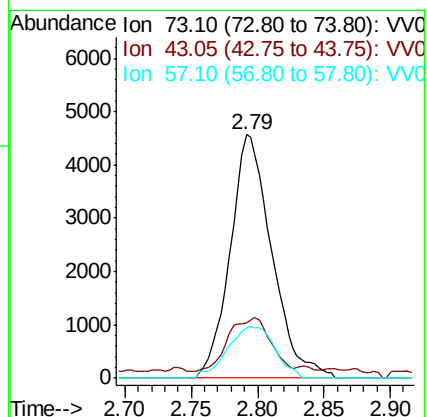
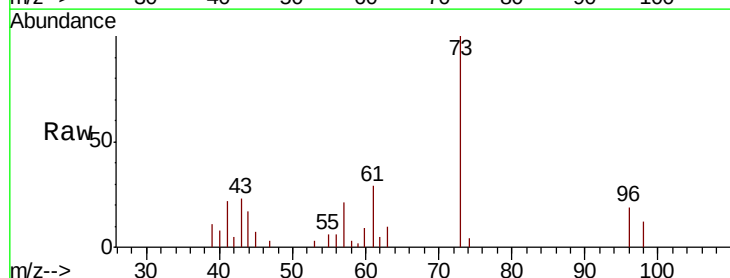
Tgt Ion: 73 Resp: 9986

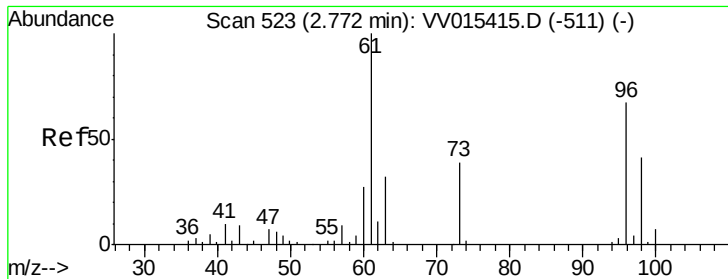
Ion Ratio Lower Upper

73 100

43 22.1 18.3 27.5

57 23.9 18.4 27.6

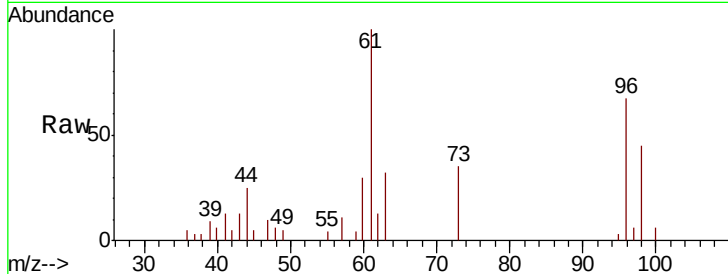




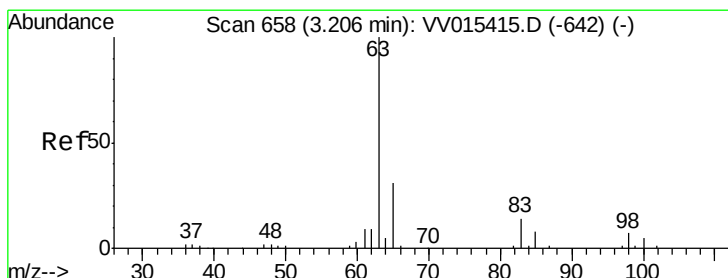
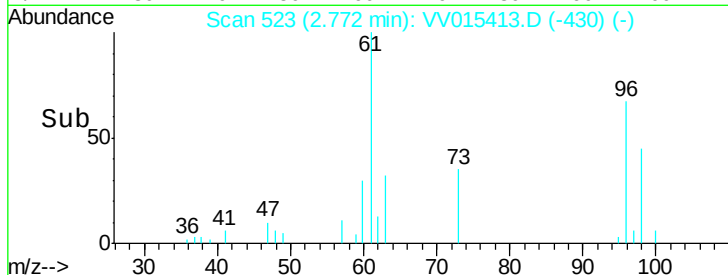
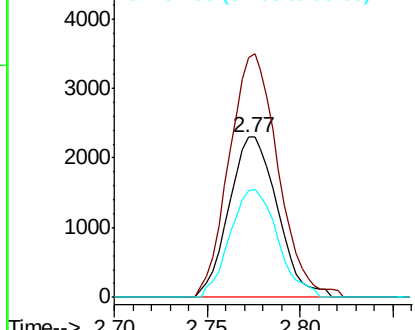
#18
 trans-1,2-Dichloroethene
 Concen: 0.386 ug/L
 RT: 2.77 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 4187
 Ion Ratio Lower Upper
 96 100
 61 149.4 104.4 194.0
 98 66.8 42.8 79.4

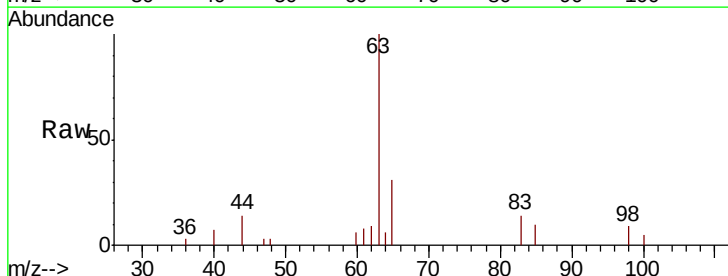


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

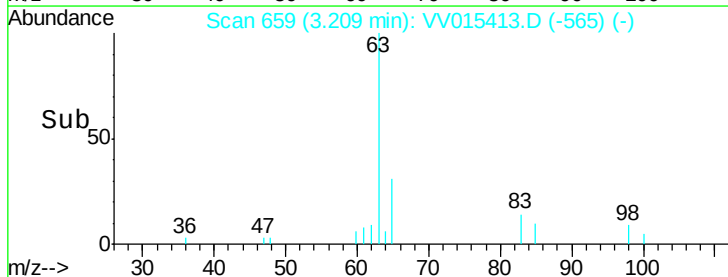
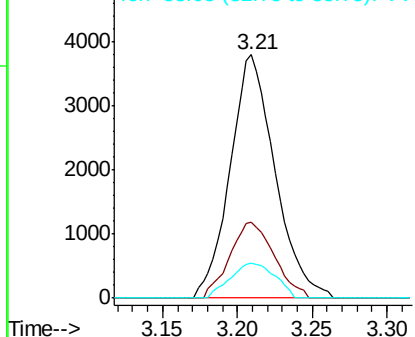


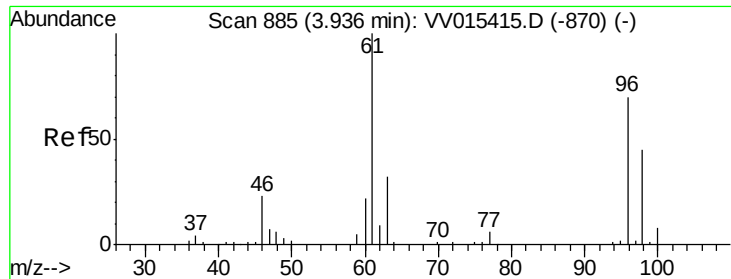
#19
 1,1-Dichloroethane
 Concen: 0.419 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion: 63 Resp: 7915
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.3 39.6
 83 14.2 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0



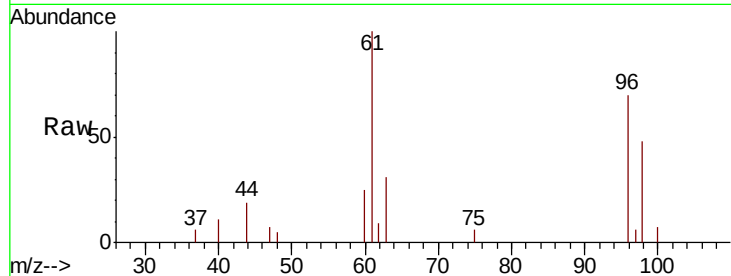


#22

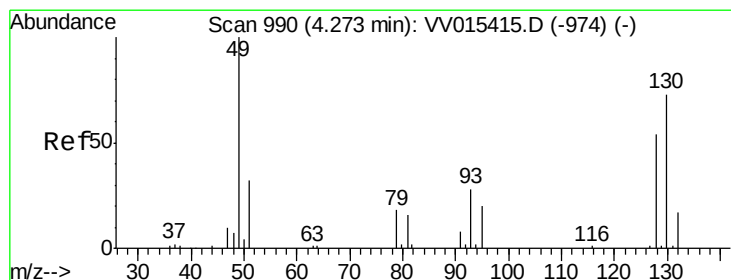
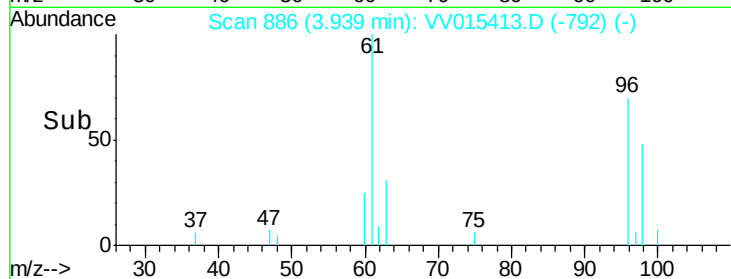
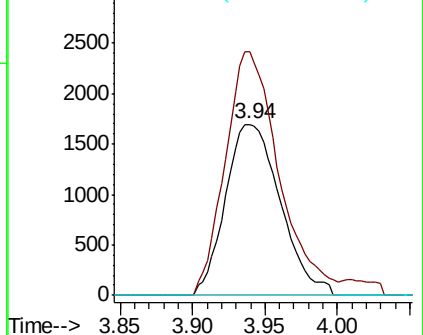
cis-1,2-Dichloroethene
 Concen: 0.401 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 4464
 Ion Ratio Lower Upper
 96 100
 61 142.1 100.0 185.8
 68 0.0 0.0 0.0



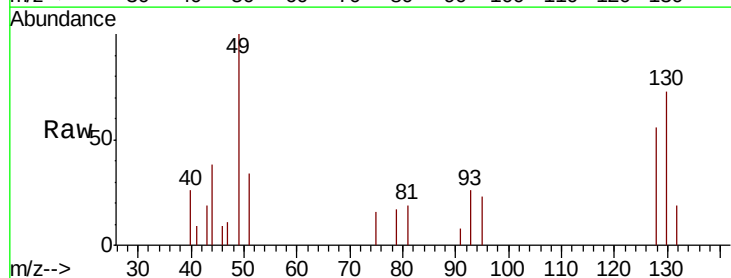
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



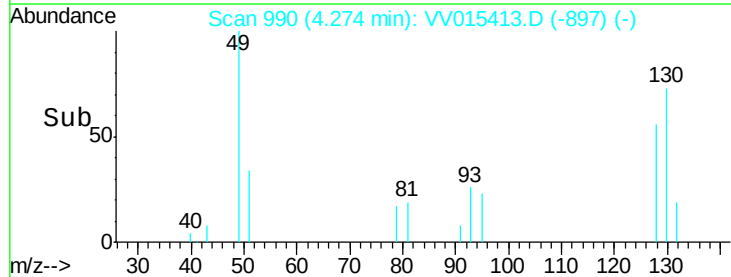
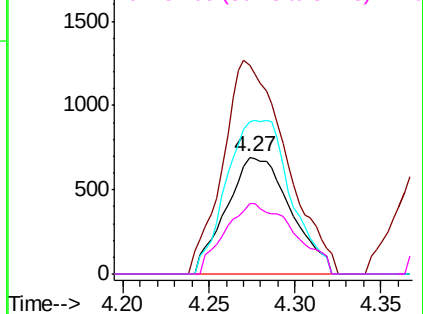
#23

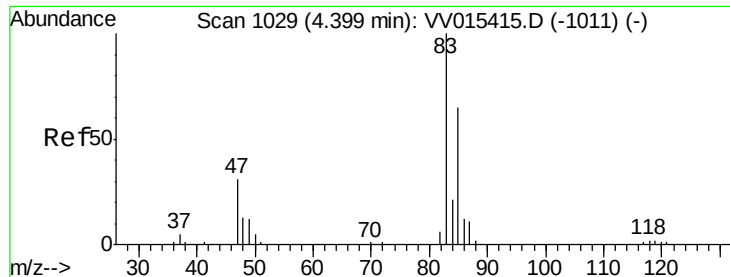
Bromochloromethane
 Concen: 0.396 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion: 128 Resp: 1809
 Ion Ratio Lower Upper
 128 100
 49 178.5 128.8 239.2
 130 130.8 93.5 173.7
 51 60.2 47.8 71.6



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

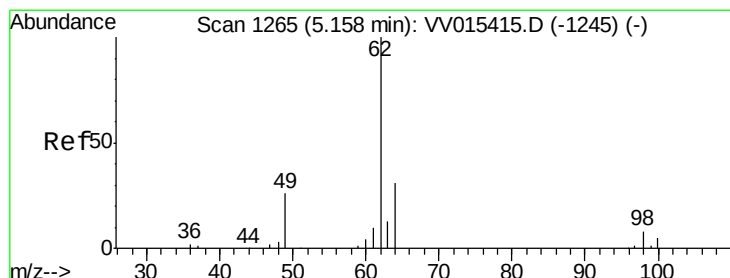
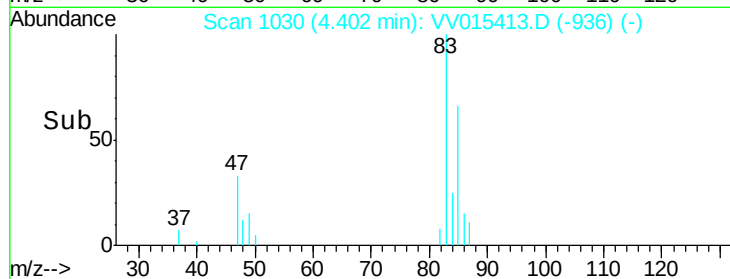
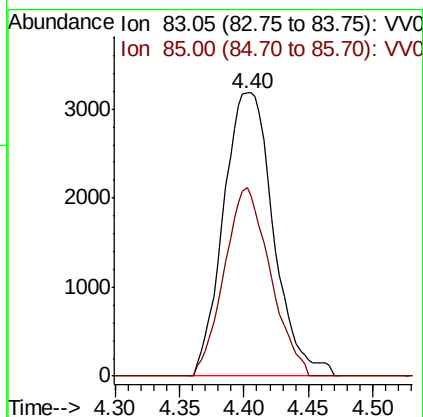
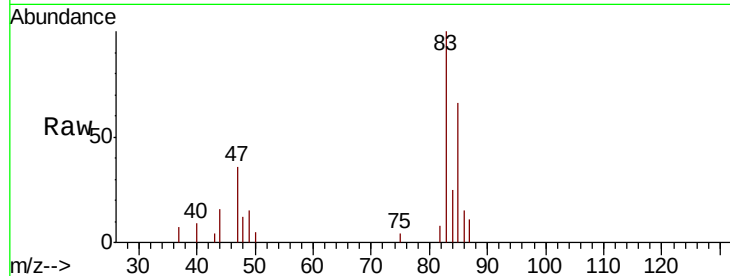




#25
Chloroform
Concen: 0.405 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

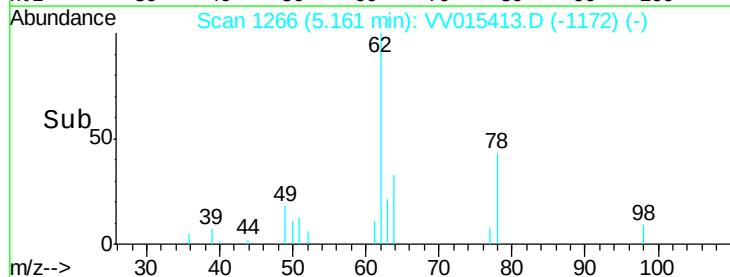
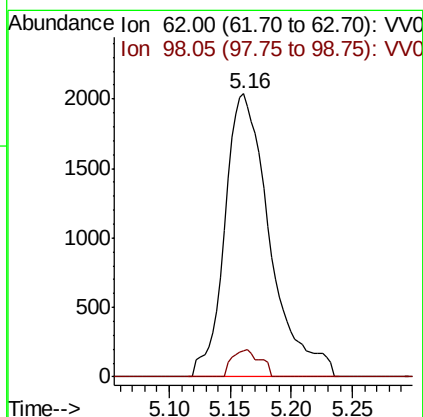
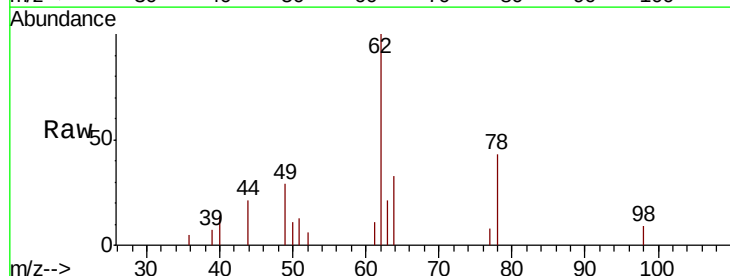
Instrument :
MSVOA_V
ClientSampleId :

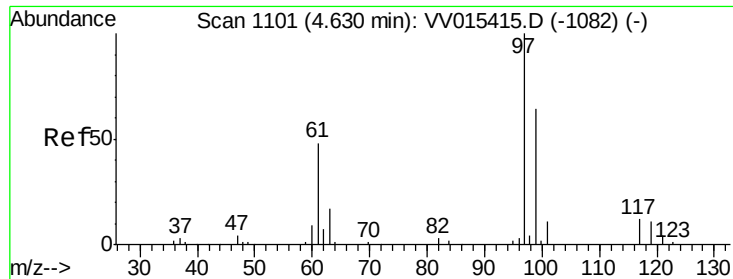
Tot Ion: 83 Resp: 8581
Ion Ratio Lower Upper
83 100
85 66.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 0.550 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Tgt Ion: 62 Resp: 5231
Ion Ratio Lower Upper
62 100
98 9.4 6.6 10.0

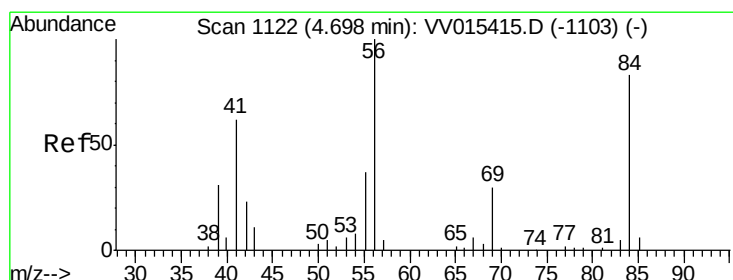
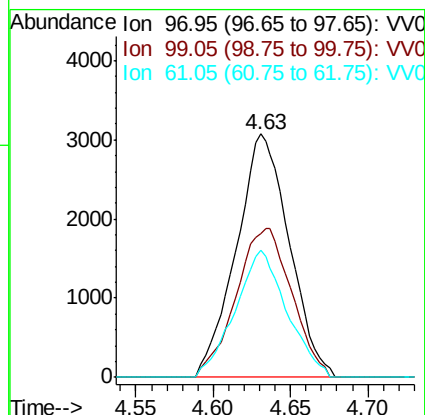
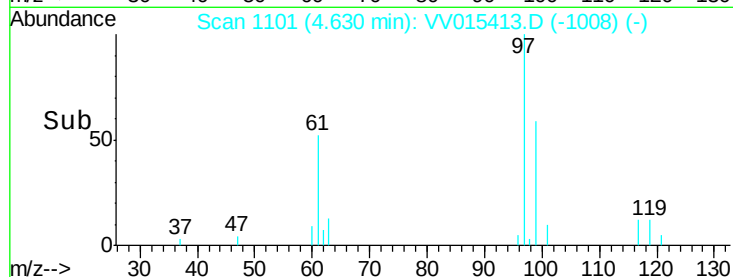
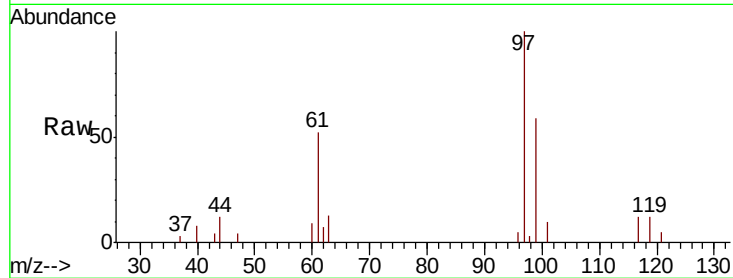




#29
1,1,1-Trichloroethane
Concen: 0.430 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

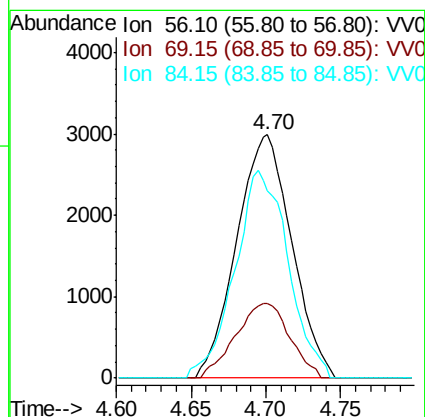
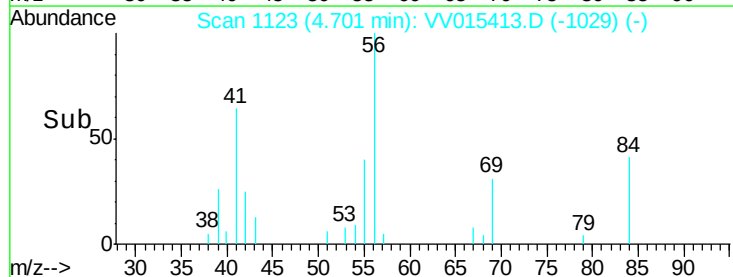
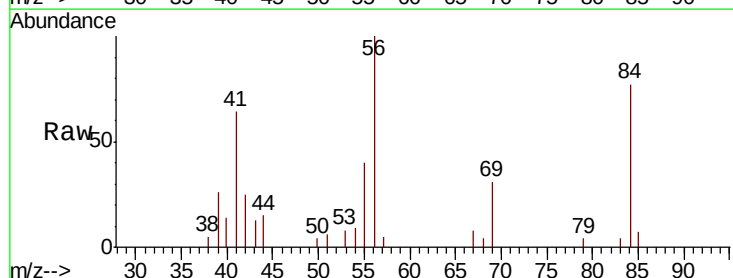
Instrument :
MSVOA_V
ClientSampleId :

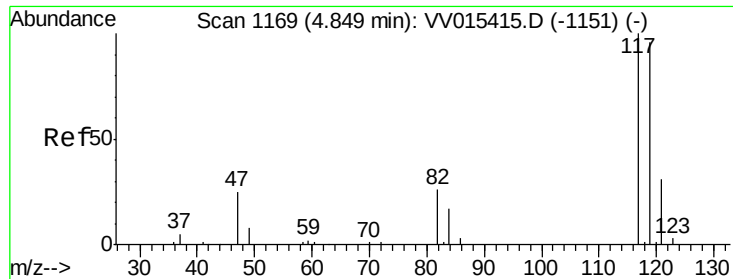
Tot Ion: 97 Resp: 7315
Ion Ratio Lower Upper
97 100
99 64.2 51.6 77.4
61 51.0 39.0 58.6



#30
Cyclohexane
Concen: 0.467 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Tgt Ion: 56 Resp: 7665
Ion Ratio Lower Upper
56 100
69 30.0 24.2 36.4
84 82.4 68.4 102.6





#31

Carbon tetrachloride

Concen: 0.429 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

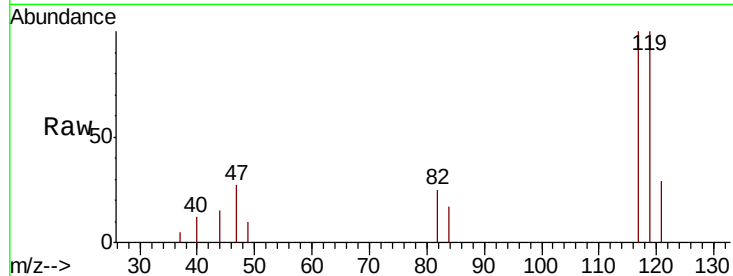
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 6292

Ion Ratio Lower Upper

117 100

119 95.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

3000

2500

2000

1500

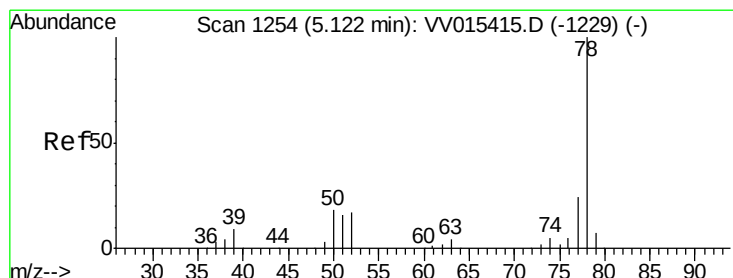
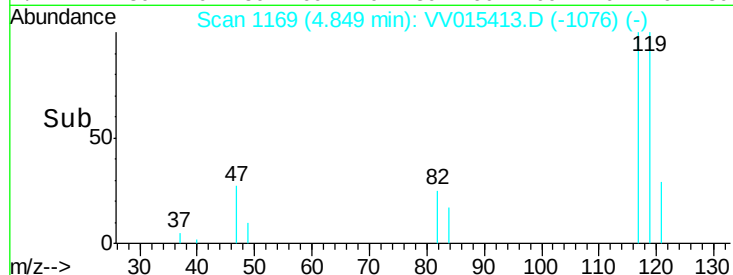
1000

500

0

Time-->

4.80 4.85 4.90



#33

Benzene

Concen: 0.561 ug/L

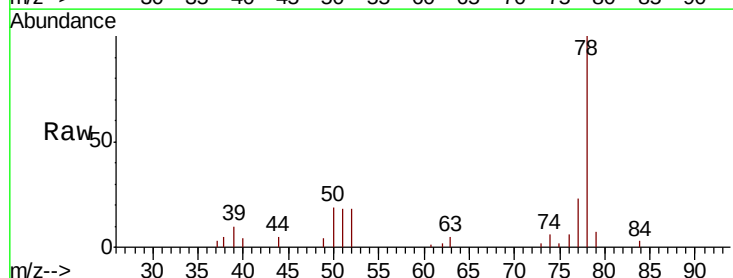
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Tgt Ion: 78 Resp: 16946



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.13

8000

6000

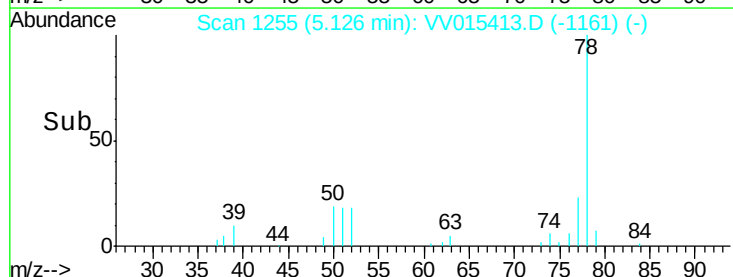
4000

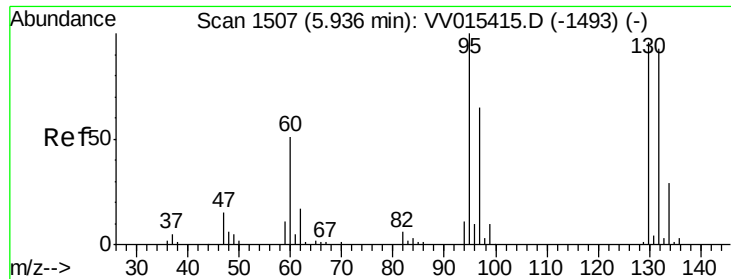
2000

0

Time-->

5.10 5.20

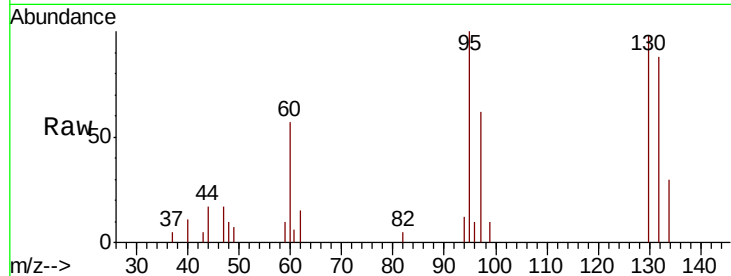




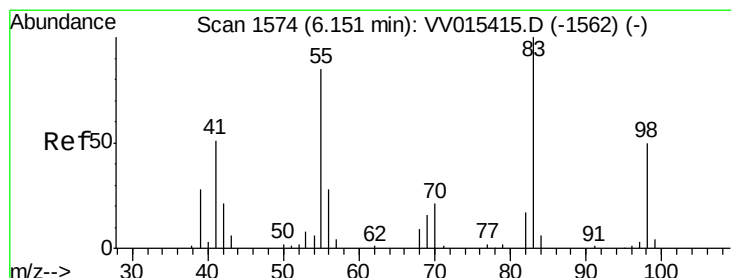
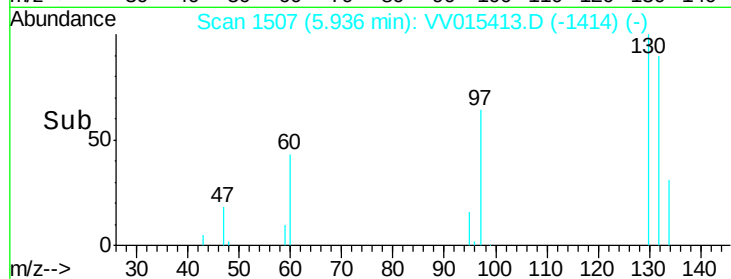
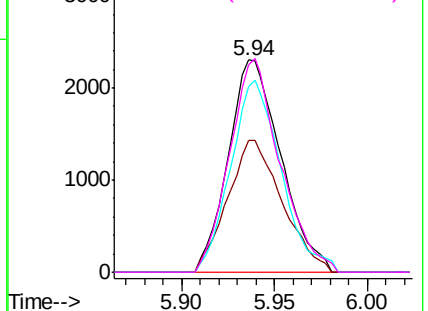
#34
 Trichloroethene
 Concen: 0.533 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 4550
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.4 84.4
 132 87.7 64.8 120.4
 130 97.6 67.4 125.2

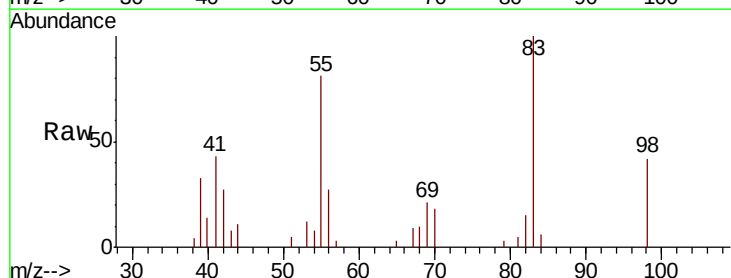


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

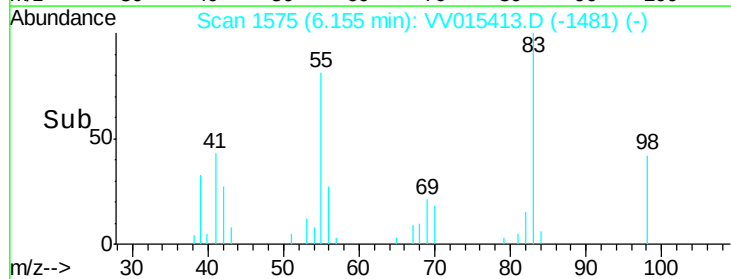
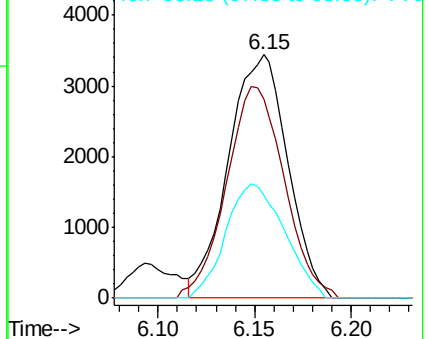


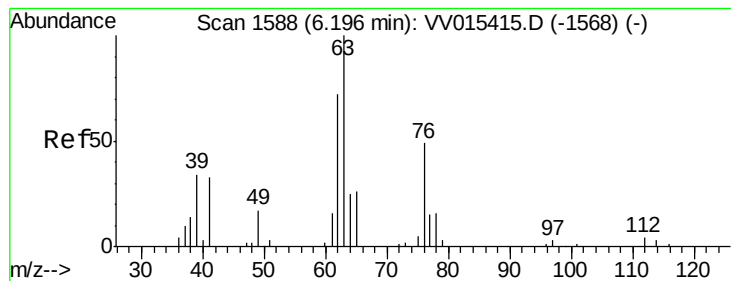
#35
 Methylcyclohexane
 Concen: 0.493 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion: 83 Resp: 7327
 Ion Ratio Lower Upper
 83 100
 55 84.6 66.6 99.8
 98 46.4 38.7 58.1



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.558 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

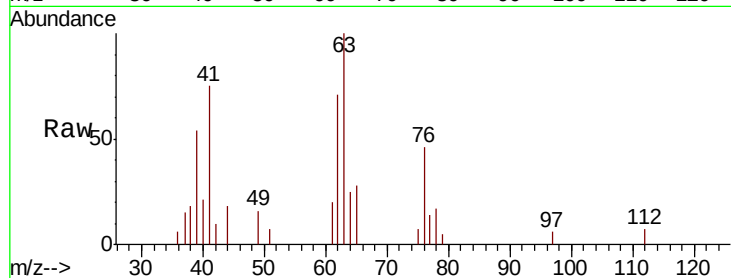
ClientSampleId :

Tot Ion: 63 Resp: 4071

Ion Ratio Lower Upper

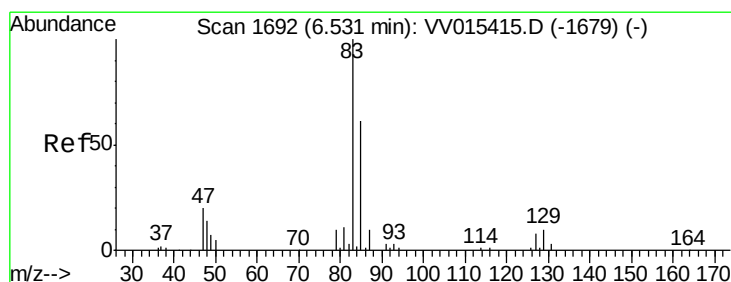
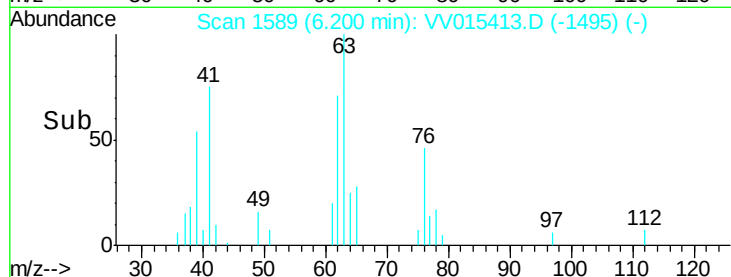
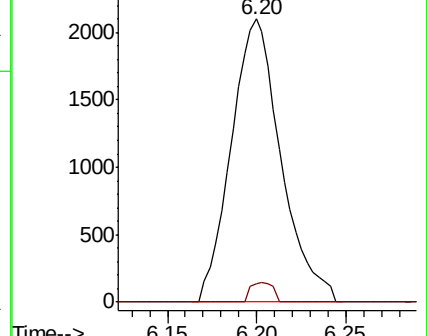
63 100

112 3.1 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 0.553 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

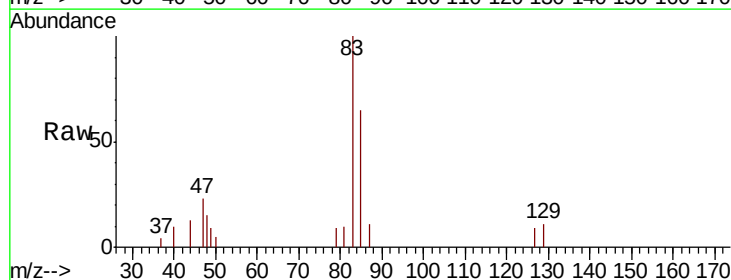
Tgt Ion: 83 Resp: 5552

Ion Ratio Lower Upper

83 100

85 65.2 42.6 79.2

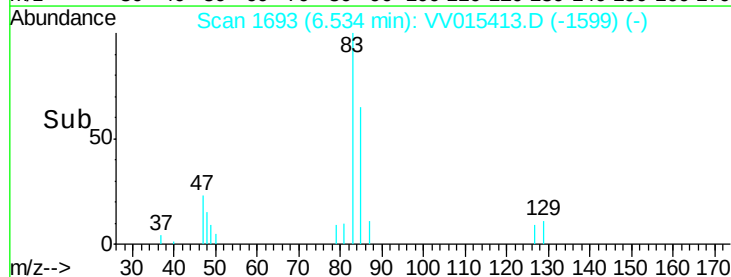
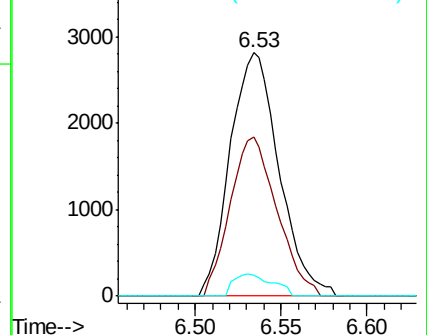
127 8.6 6.6 9.8

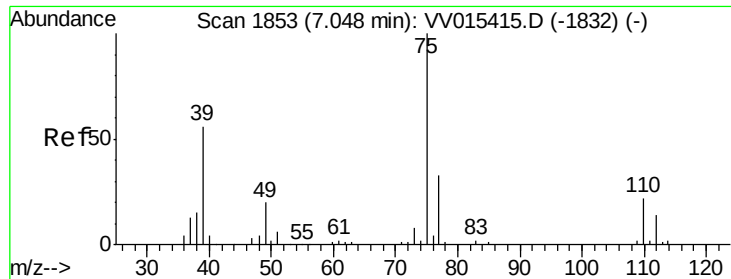


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

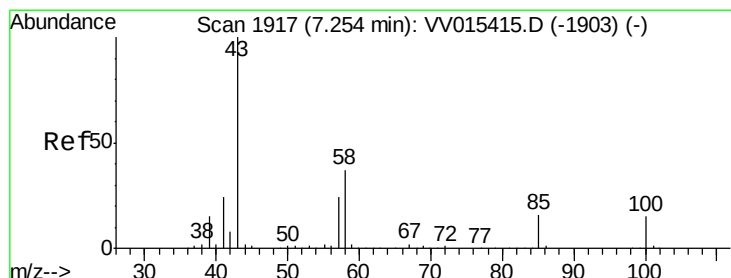
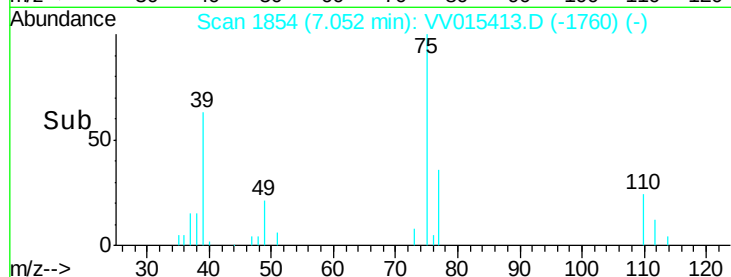
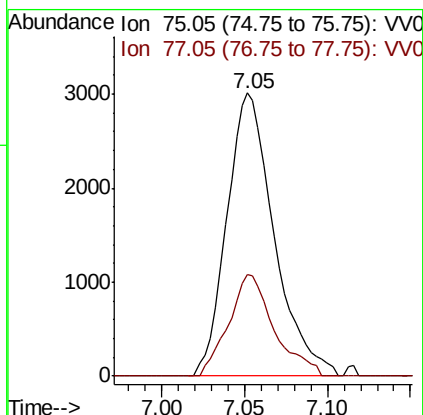
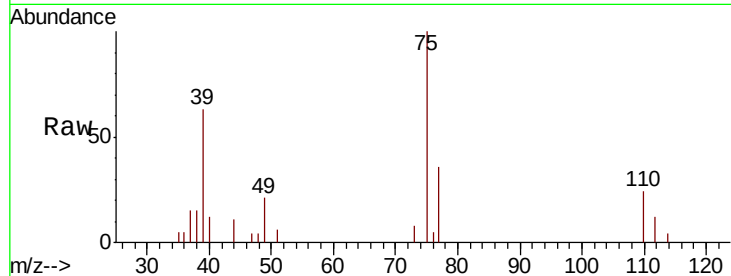




#39
 cis-1,3-Dichloropropene
 Concen: 0.519 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

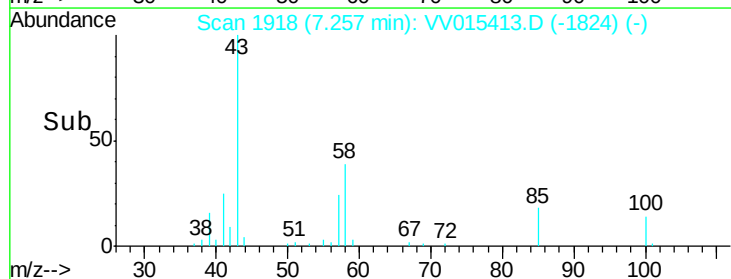
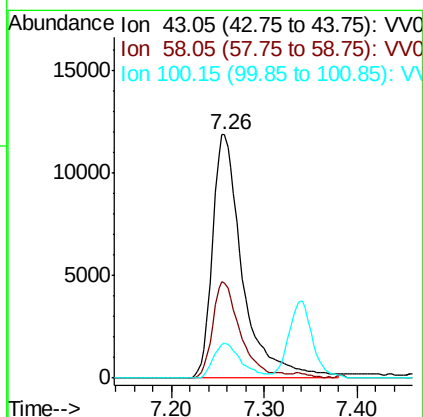
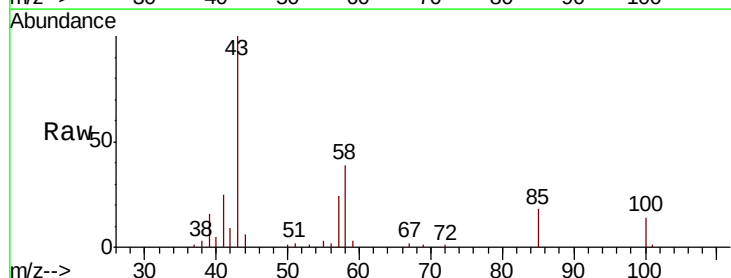
Instrument :
 MSVOA_V
 ClientSampleId :

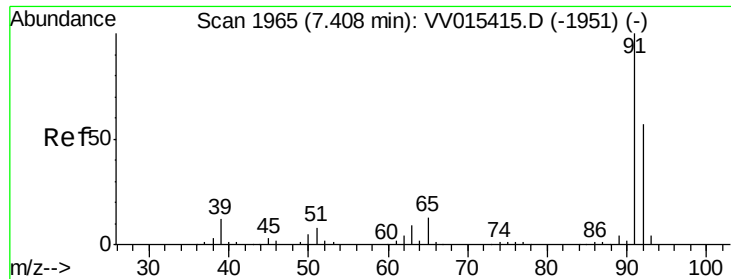
Tot Ion: 75 Resp: 5955
 Ion Ratio Lower Upper
 75 100
 77 36.1 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 6.290 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion: 43 Resp: 26723
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.0 43.6
 100 13.4 11.0 16.6





#42

Toluene

Concen: 0.506 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

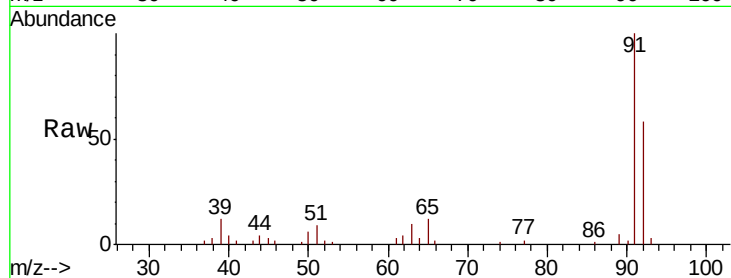
ClientSampled :

Tot Ion: 91 Resp: 18082

Ion Ratio Lower Upper

91 100

92 58.4 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

10000

8000

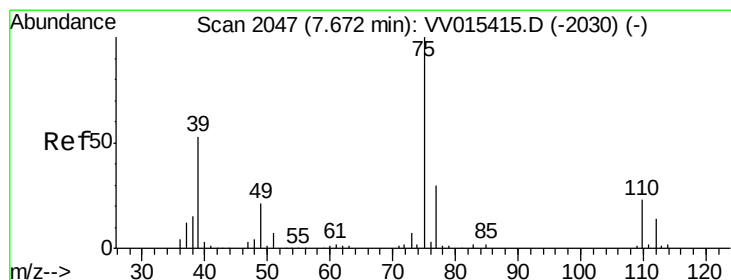
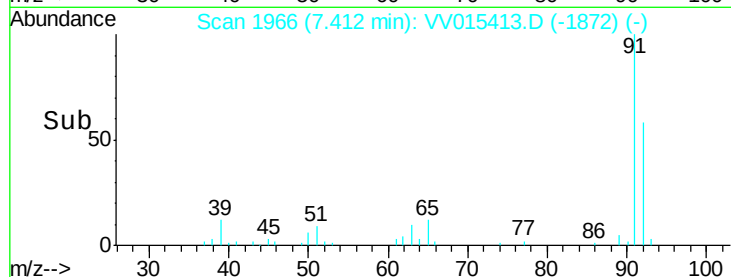
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.509 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015413.D

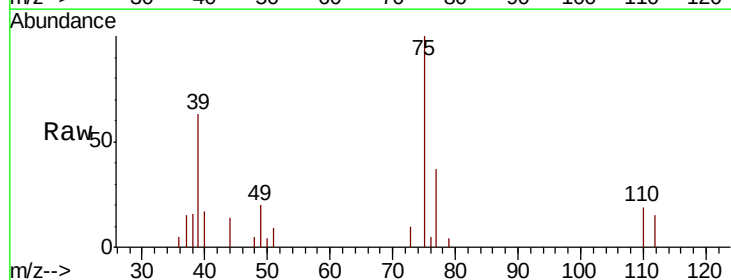
Acq: 09 Apr 2020 11:51

Tgt Ion: 75 Resp: 4981

Ion Ratio Lower Upper

75 100

77 36.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.68

3000

2500

2000

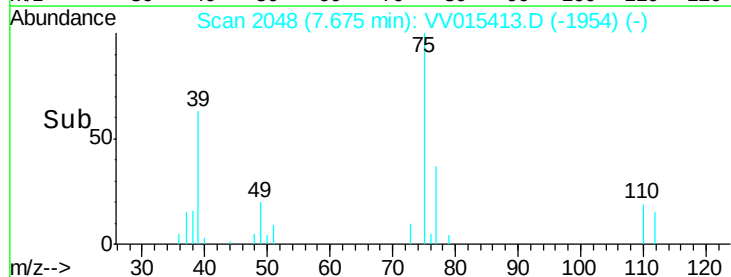
1500

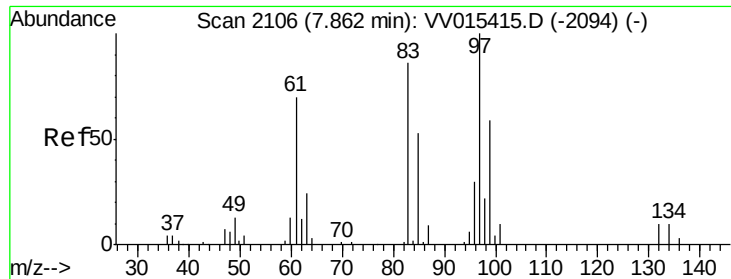
1000

500

0

Time-->

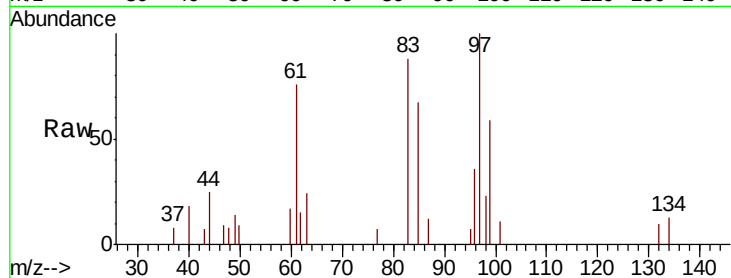




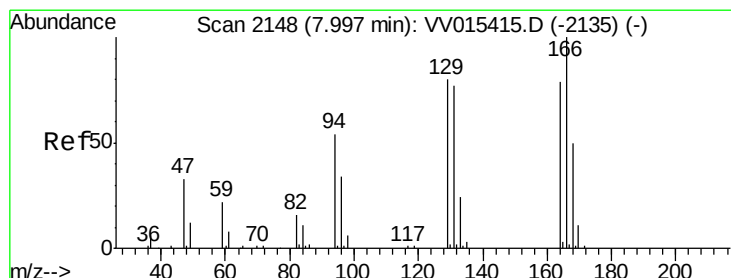
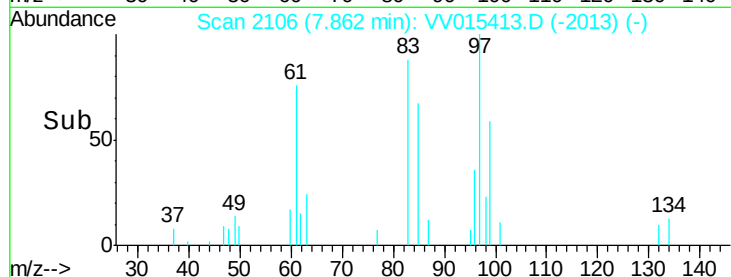
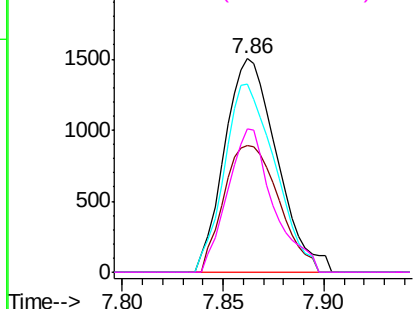
#45
 1,1,2-Trichloroethane
 Concen: 0.503 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	2733
Ion	Ratio	Lower	Upper
97	100		
99	59.1	41.3	76.7
83	87.9	60.5	112.3
85	67.3	36.8	68.4

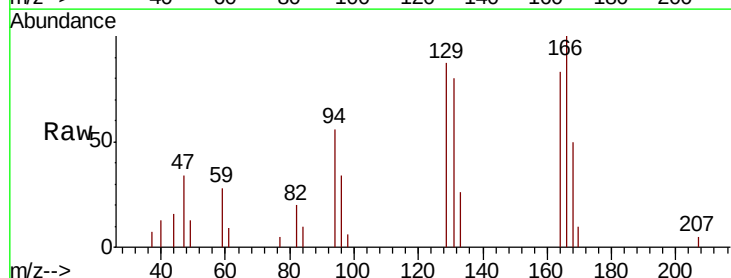


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

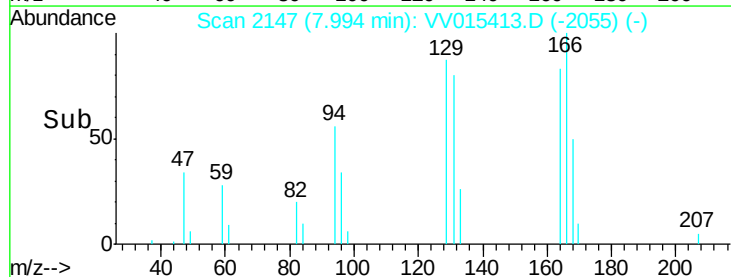
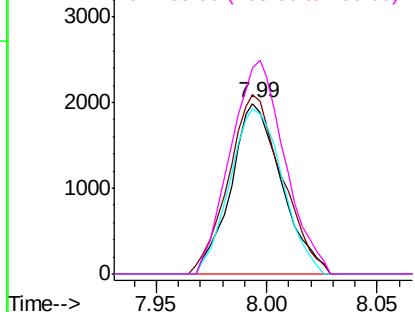


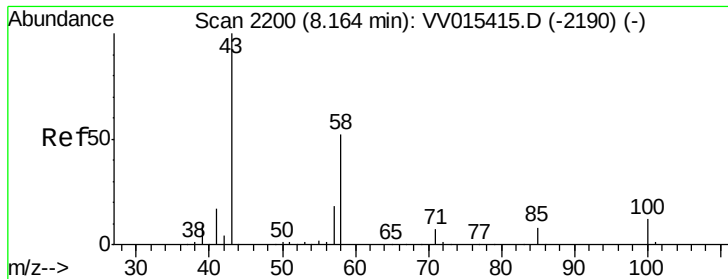
#47
 Tetrachloroethene
 Concen: 0.505 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion:	164	Resp:	3173
Ion	Ratio	Lower	Upper
164	100		
129	104.7	70.6	131.0
131	96.8	68.3	126.8
166	120.5	88.3	163.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

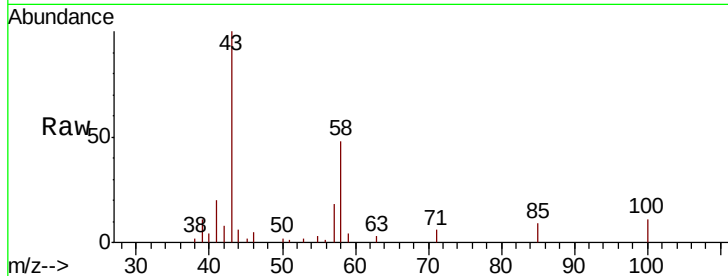




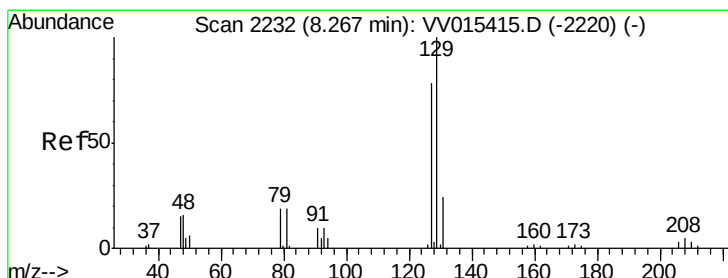
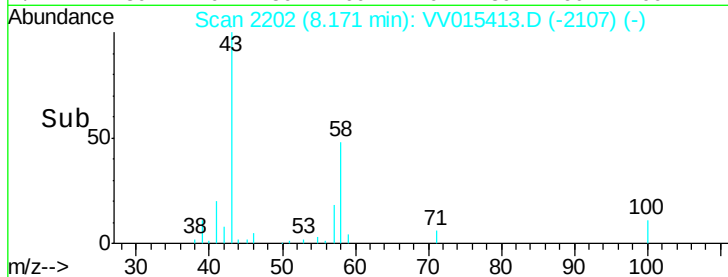
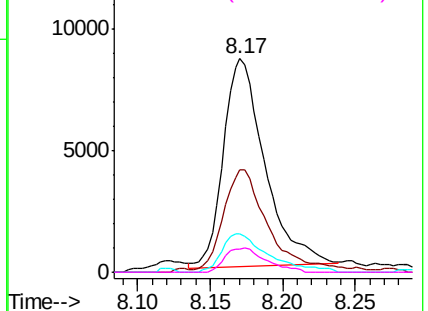
#48
2-Hexanone
Concen: 5.701 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 17200
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
57 20.7 15.0 22.4
100 11.4 9.4 14.2

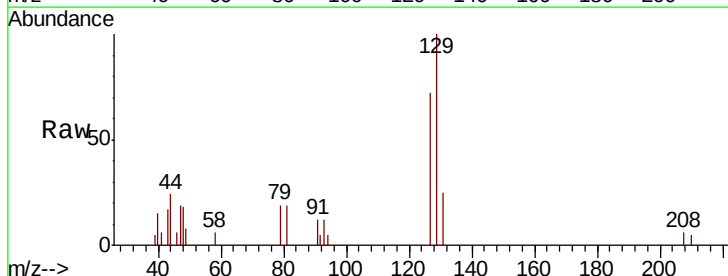


Abundance Ion 43.05 (42.75 to 43.75): VV015413.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV015413.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV015413.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV015413.D (-2107) (-)

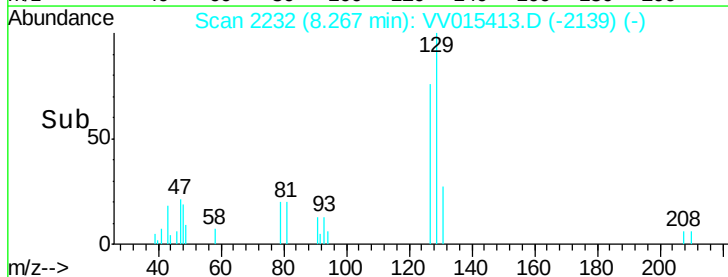
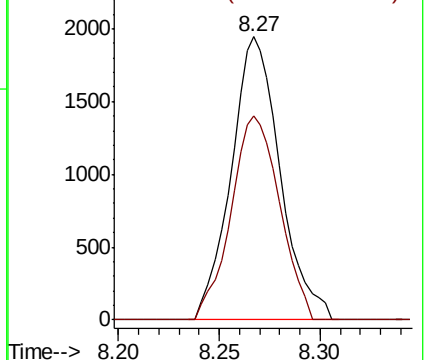


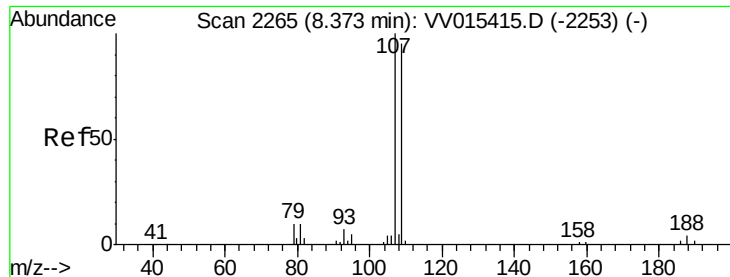
#49
Dibromochloromethane
Concen: 0.513 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Tgt Ion: 129 Resp: 3295
Ion Ratio Lower Upper
129 100
127 72.1 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV015413.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV015413.D (-2139) (-)

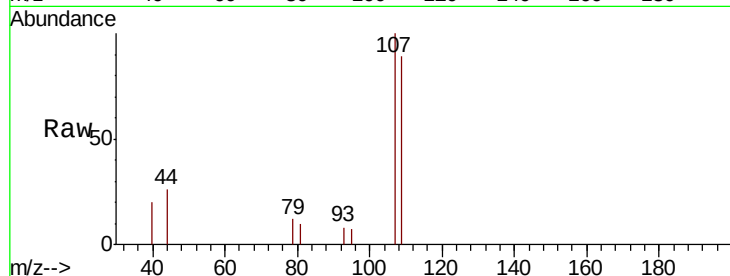




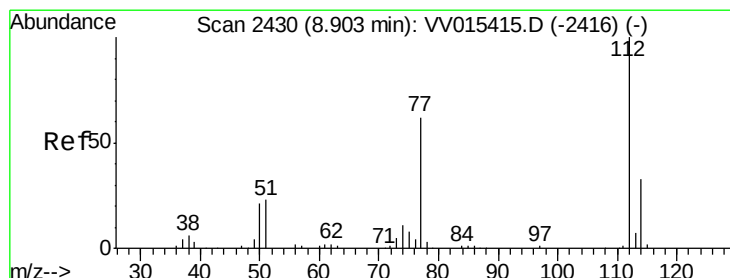
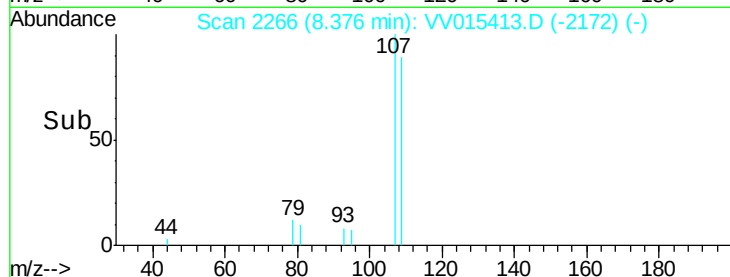
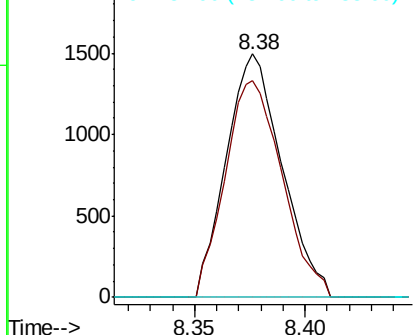
#50
 1,2-Dibromoethane
 Concen: 0.507 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:107 Resp: 2618
 Ion Ratio Lower Upper
 107 100
 109 89.0 66.7 123.9
 188 0.0 2.9 4.3#

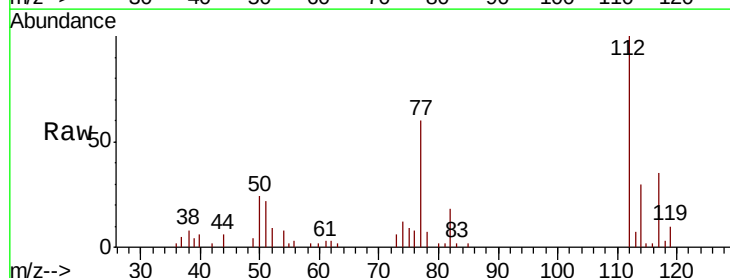


Abundance Ion 106.95 (106.65 to 107.65): V
 2000 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

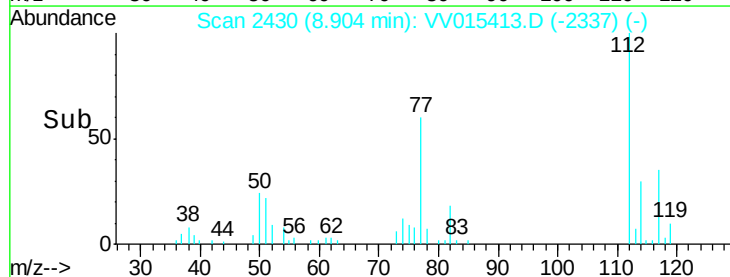
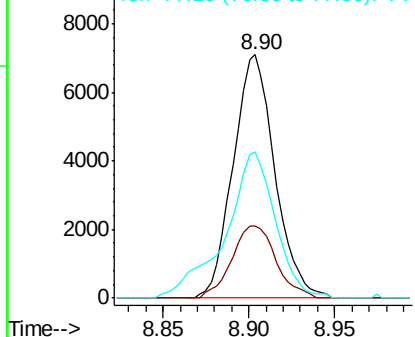


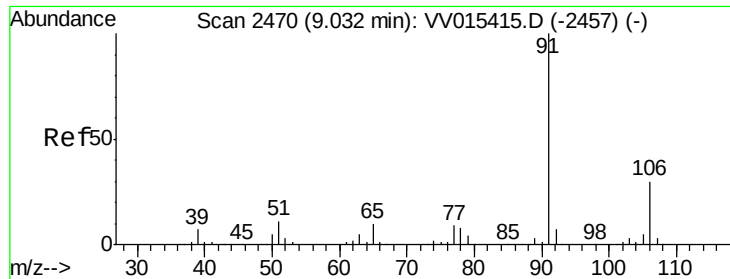
#51
 Chlorobenzene
 Concen: 0.517 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion:112 Resp: 11938
 Ion Ratio Lower Upper
 112 100
 114 29.8 22.9 42.5
 77 60.4 49.8 74.8



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.485 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

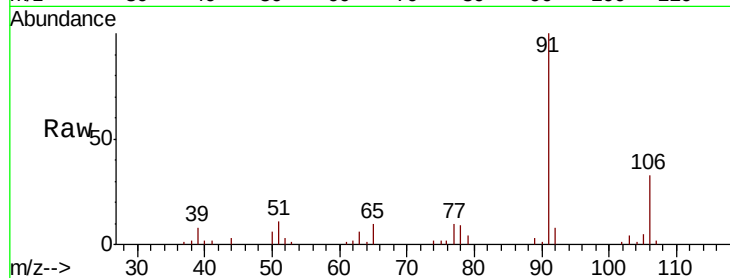
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 20001

Ion Ratio Lower Upper

91 100

106 32.6 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015413.D (-2457) (-)

Ion 106.15 (105.85 to 106.85): VV015413.D (-2457) (-)

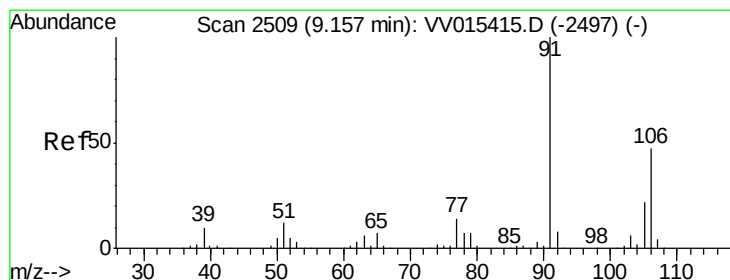
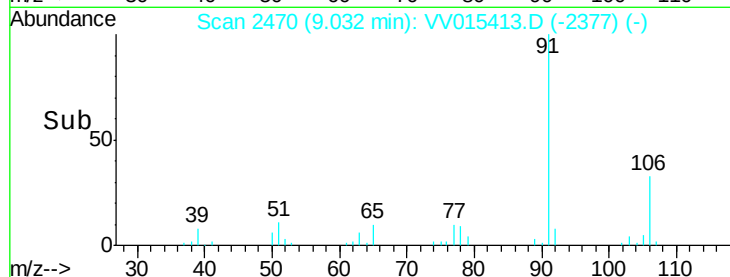
9.03

10000

5000

0

Time-->



#53

m,p-xylene

Concen: 0.486 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015413.D

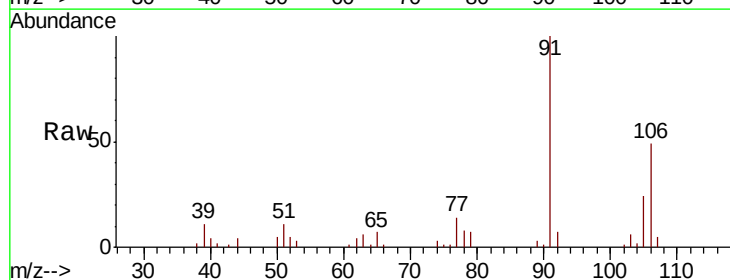
Acq: 09 Apr 2020 11:51

Tgt Ion: 106 Resp: 7722

Ion Ratio Lower Upper

106 100

91 204.6 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015413.D (-2497) (-)

Ion 91.15 (90.85 to 91.85): VV015413.D (-2497) (-)

9.16

10000

8000

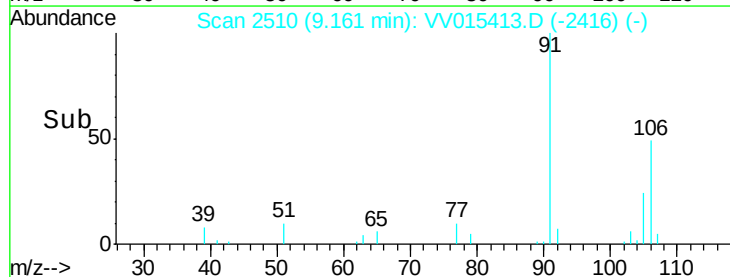
6000

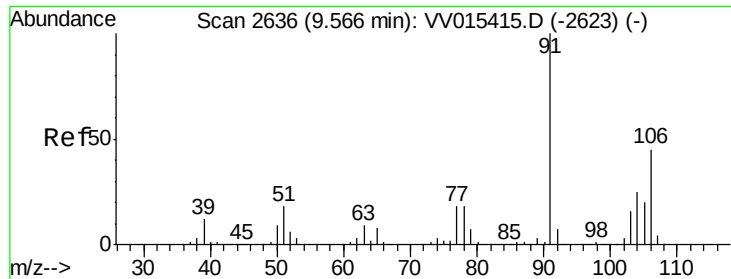
4000

2000

0

Time-->

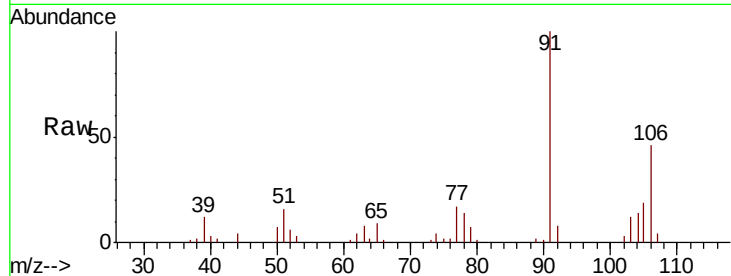




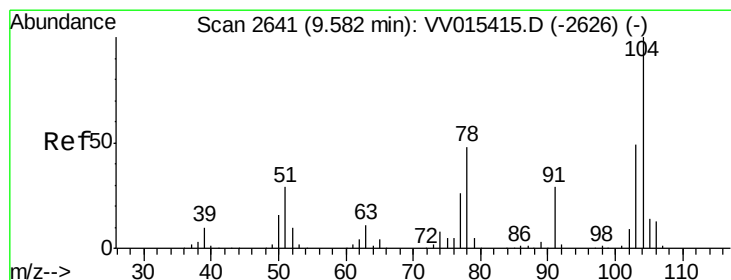
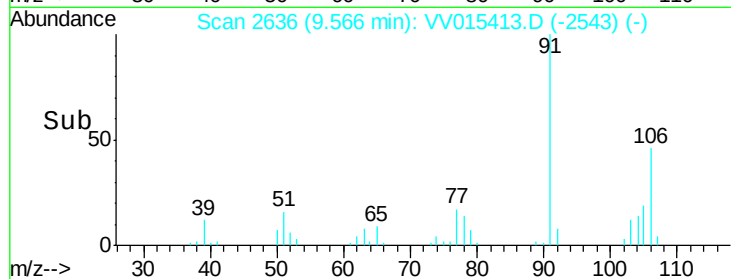
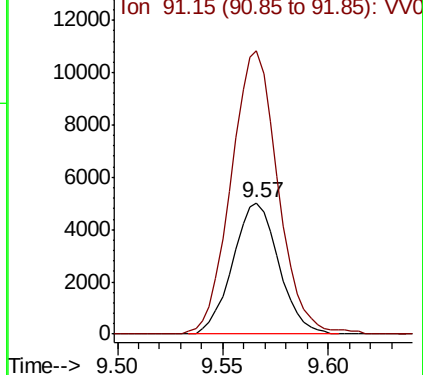
#54
o-xylene
Concen: 0.494 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 7599
Ion Ratio Lower Upper
106 100
91 215.2 154.5 286.9

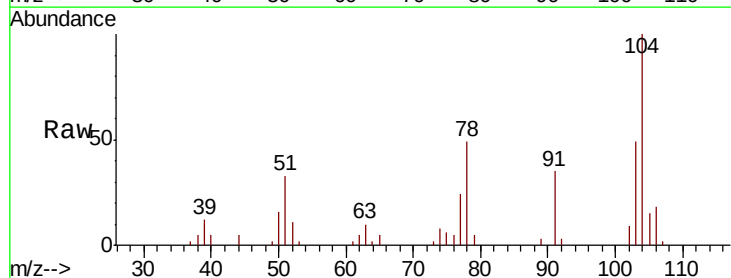


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

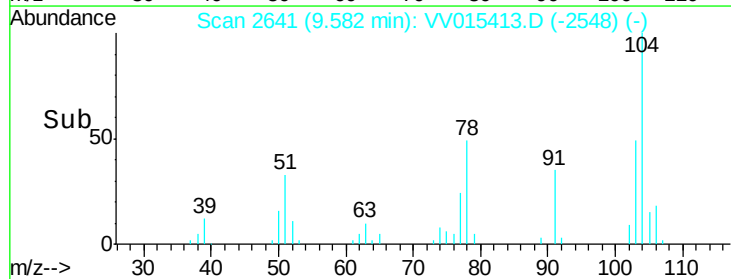
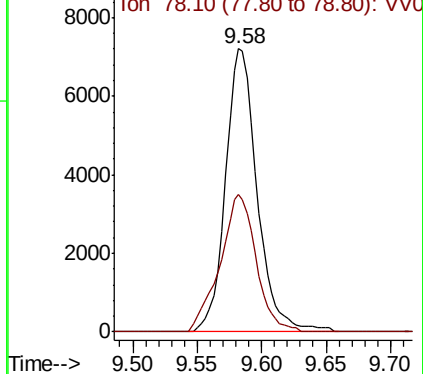


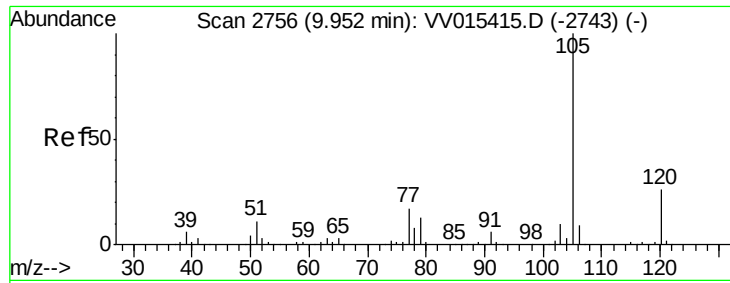
#55
Styrene
Concen: 0.482 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015413.D
Acq: 09 Apr 2020 11:51

Tgt Ion:104 Resp: 12264
Ion Ratio Lower Upper
104 100
78 48.7 33.5 62.3



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.488 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

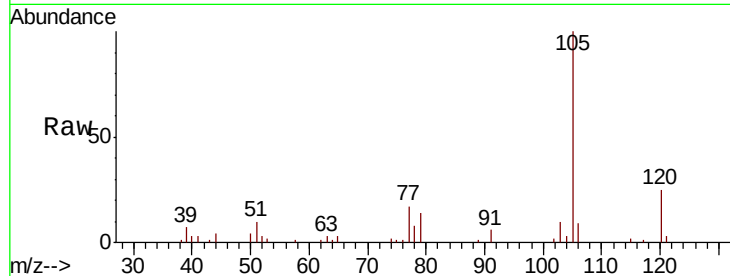
Tot Ion:105 Resp: 20128

Ion Ratio Lower Upper

105 100

120 25.5 20.7 31.1

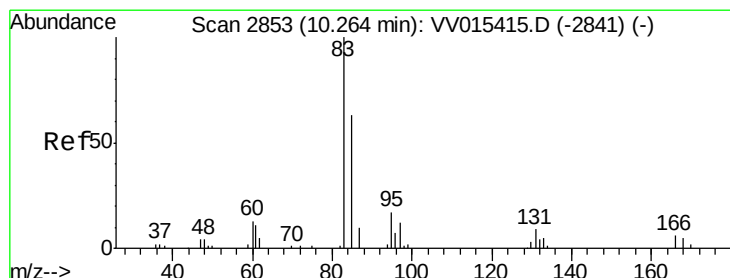
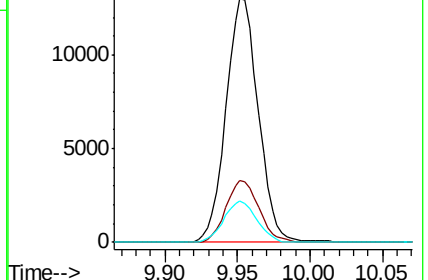
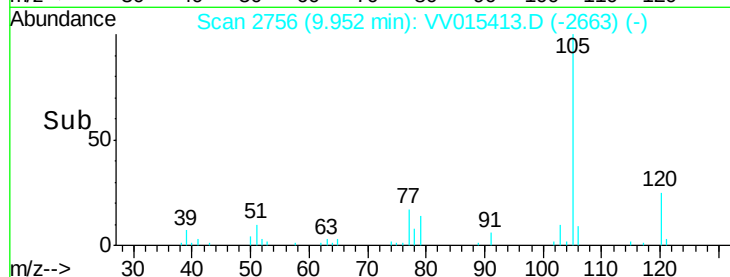
77 17.1 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.525 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

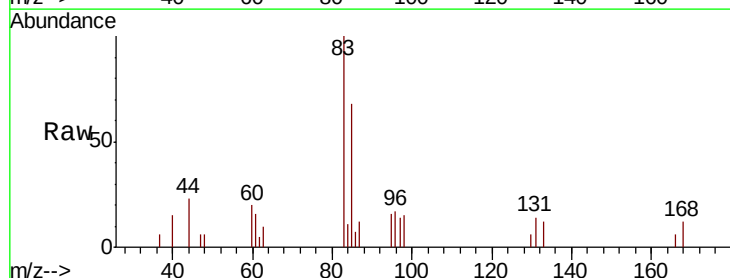
Tgt Ion: 83 Resp: 3295

Ion Ratio Lower Upper

83 100

85 68.5 44.5 82.7

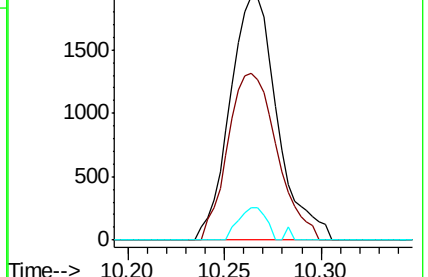
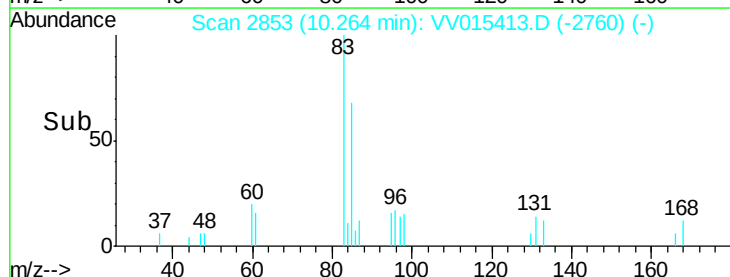
131 13.5 7.5 11.3#

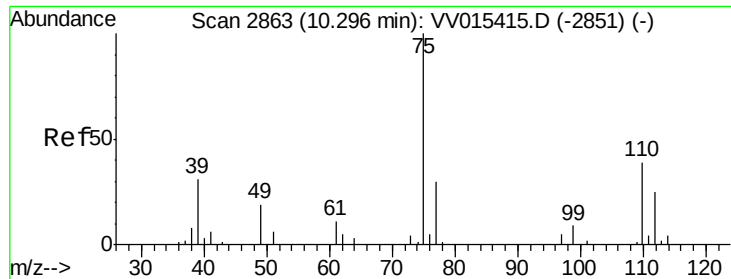


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

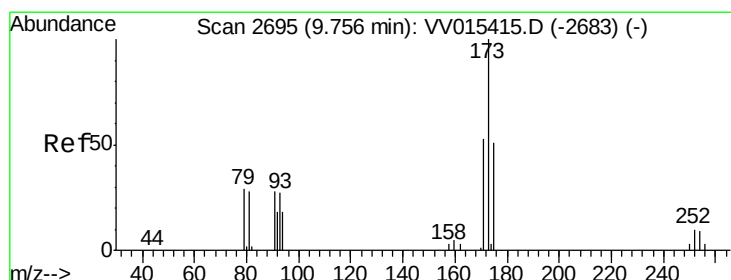
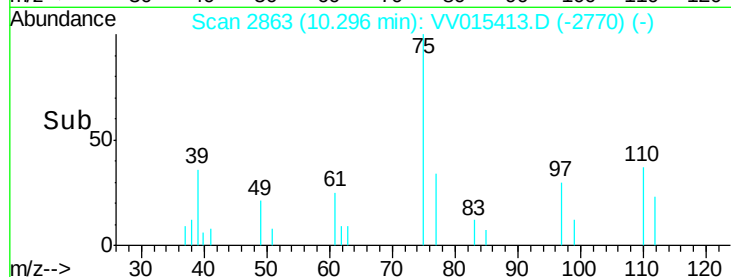
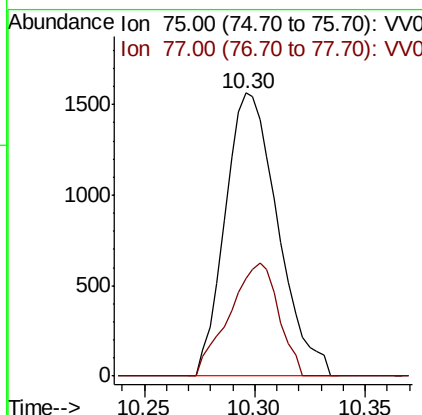
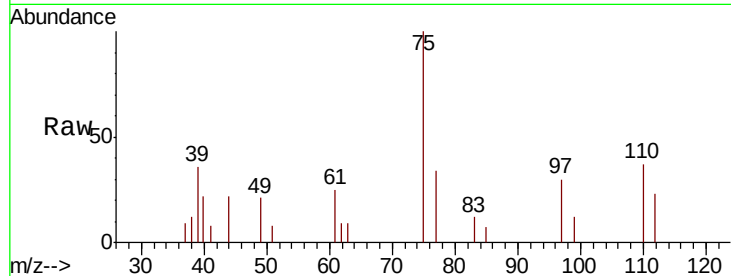




#59
 1,2,3-Trichloropropane
 Concen: 0.545 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

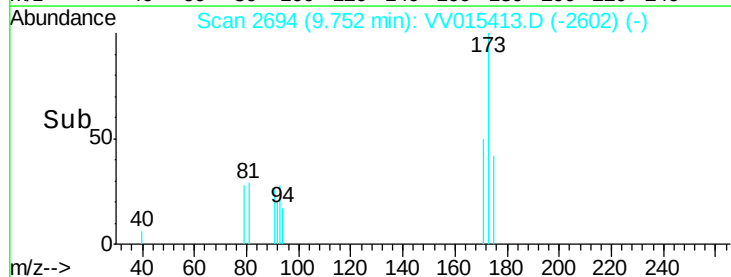
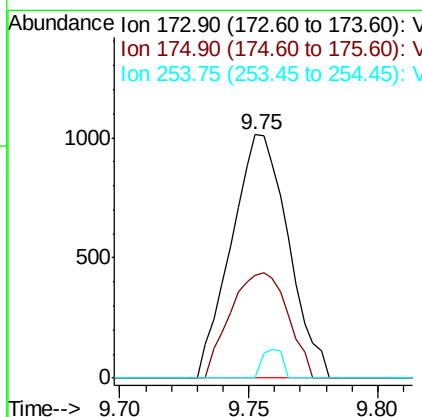
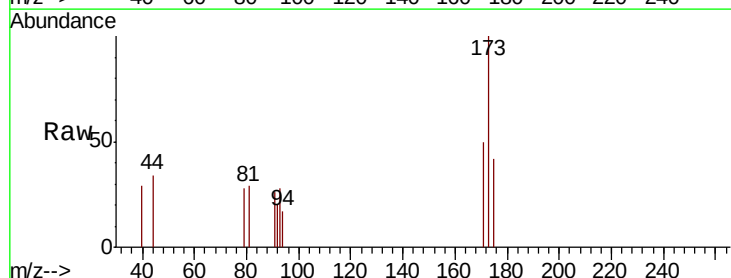
Instrument :
 MSVOA_V
 ClientSampleId :

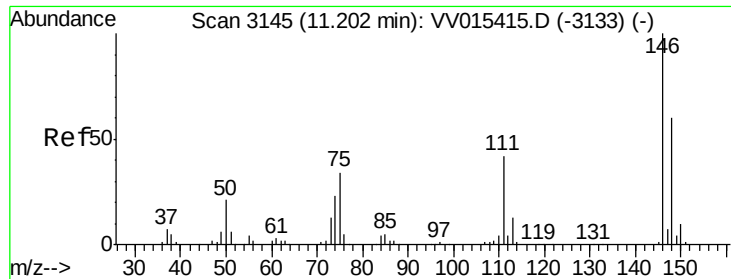
Tot Ion: 75 Resp: 2587
 Ion Ratio Lower Upper
 75 100
 77 37.1 25.4 38.0



#61
 Bromoform
 Concen: 0.537 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion:173 Resp: 1557
 Ion Ratio Lower Upper
 173 100
 175 43.6 38.2 57.2
 254 4.2 6.6 10.0#





#62

1,3-Dichlorobenzene

Concen: 0.485 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

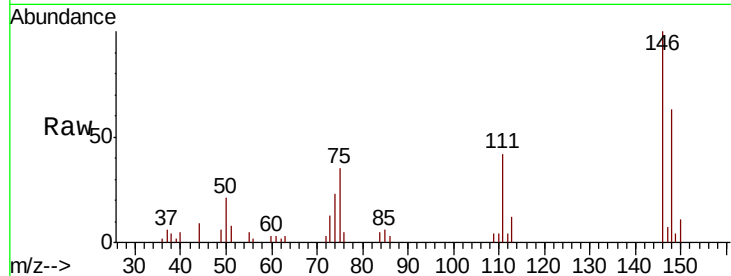
Tot Ion:146 Resp: 8770

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.5

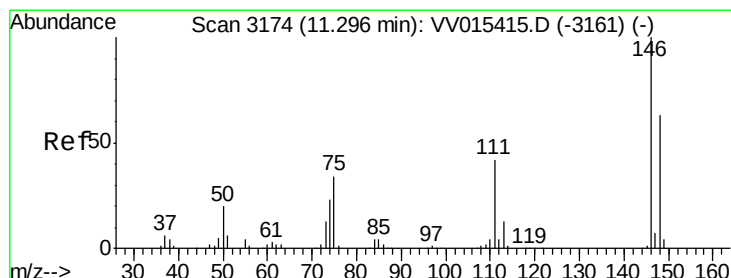
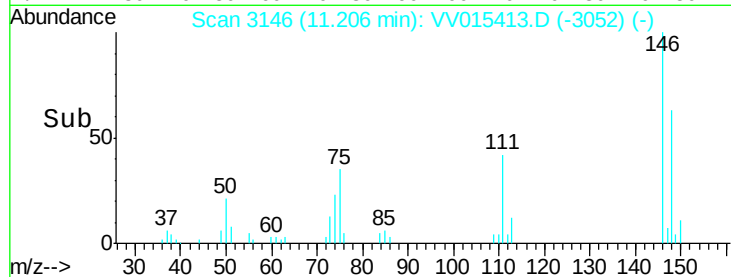
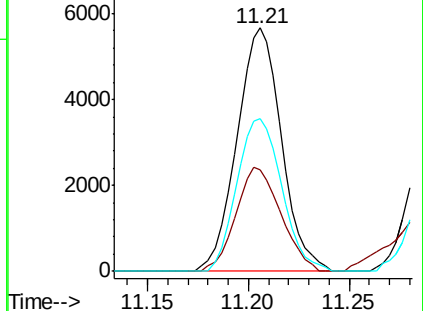
148 62.6 42.4 78.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.512 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

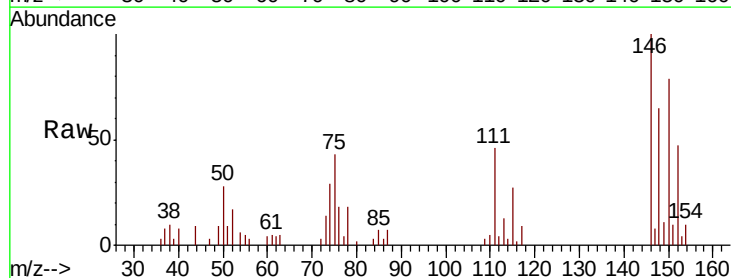
Tgt Ion:146 Resp: 9290

Ion Ratio Lower Upper

146 100

111 46.0 29.4 54.6

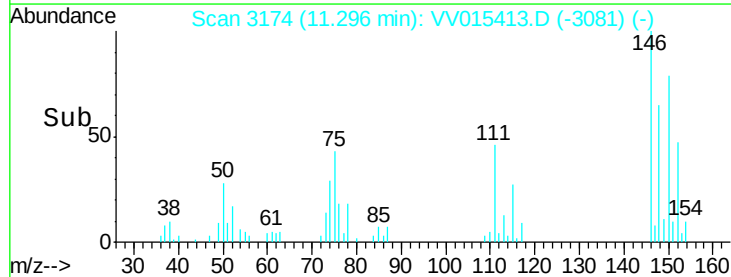
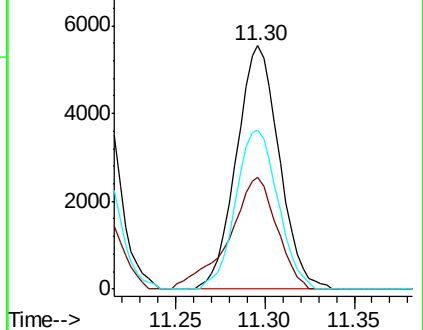
148 65.4 44.3 82.3

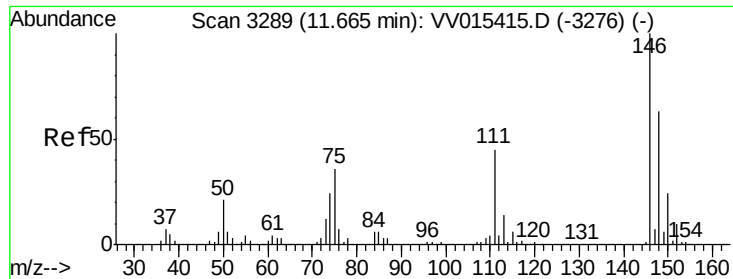


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

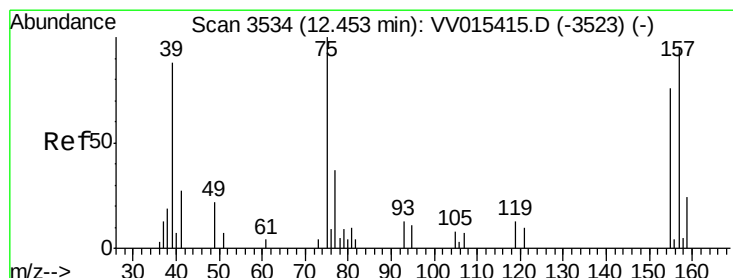
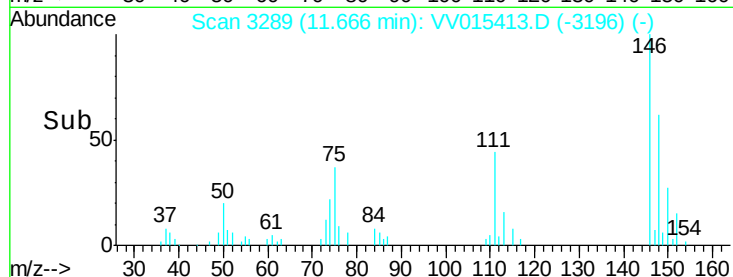
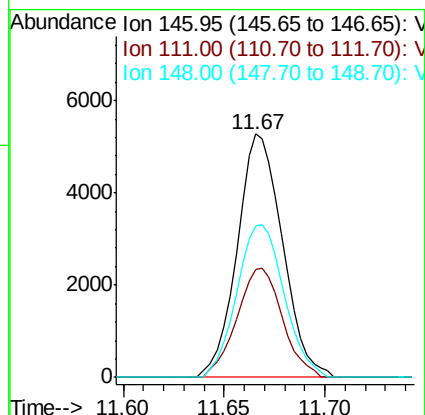
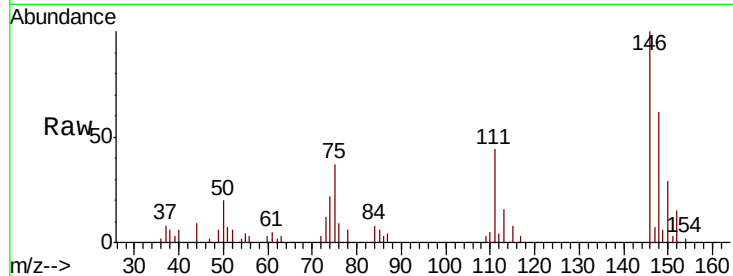




#65
 1,2-Dichlorobenzene
 Concen: 0.514 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

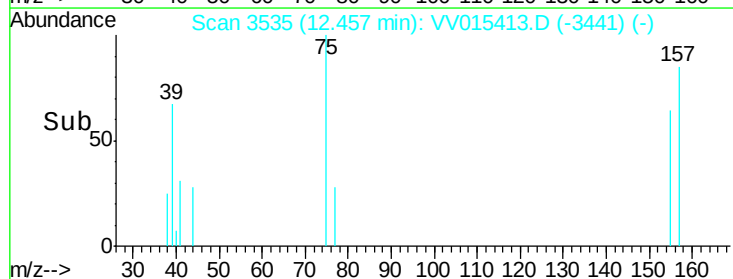
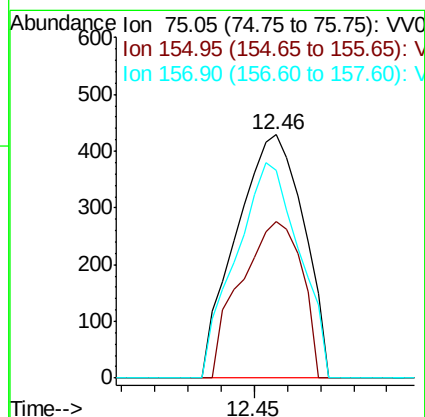
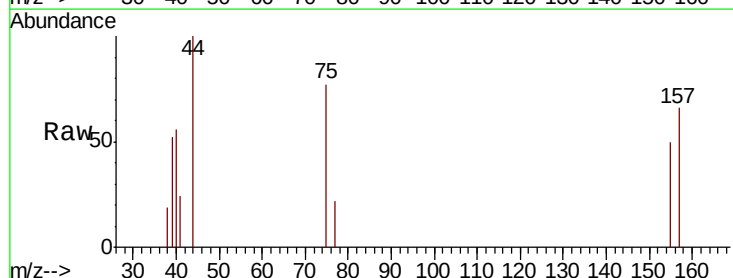
Instrument :
 MSVOA_V
 ClientSampleId :

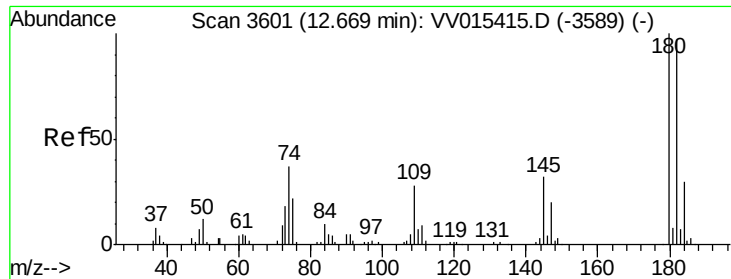
Tot Ion:146 Resp: 8304
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.8 53.6
 148 62.0 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.519 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion: 75 Resp: 607
 Ion Ratio Lower Upper
 75 100
 155 64.3 60.8 91.2
 157 85.3 75.7 113.5

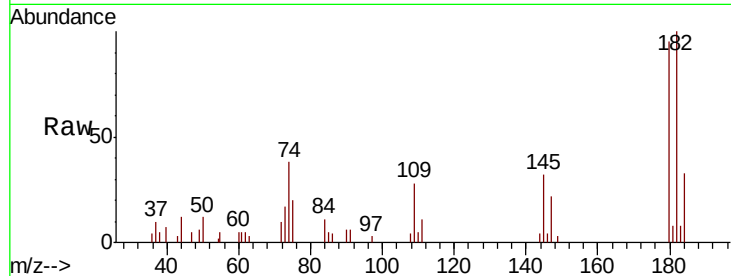




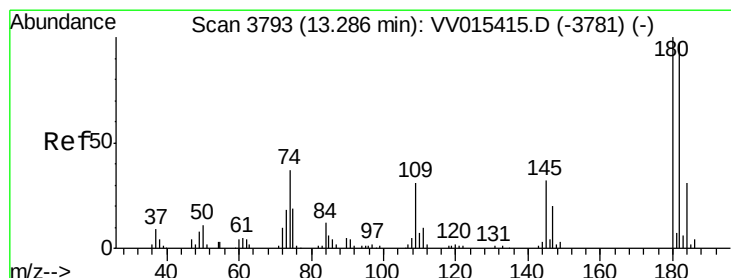
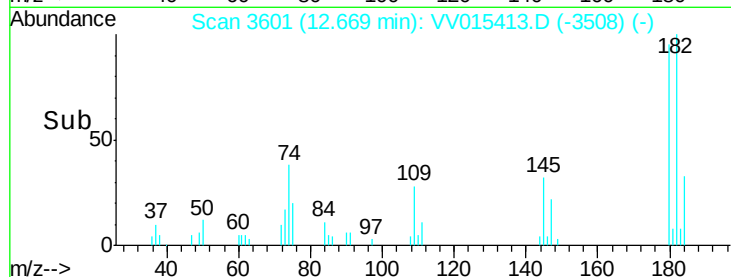
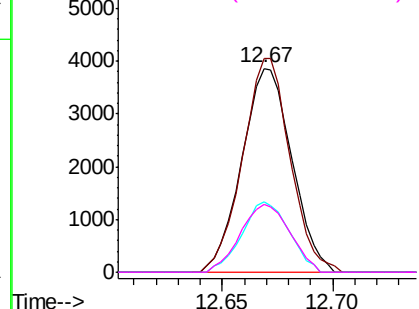
#67
 1,3,5-Trichlorobenzene
 Concen: 0.481 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 6066
 Ion Ratio Lower Upper
 180 100
 182 99.6 76.9 115.3
 184 32.6 24.0 36.0
 145 33.1 26.1 39.1

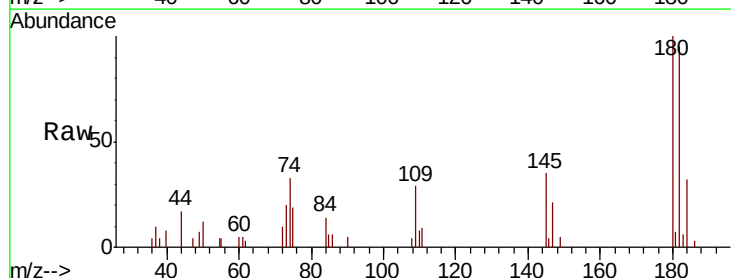


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

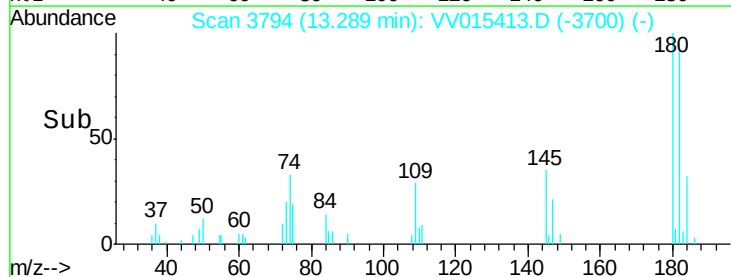
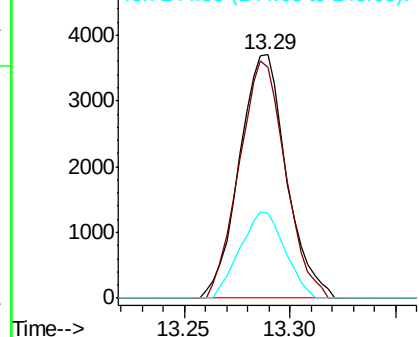


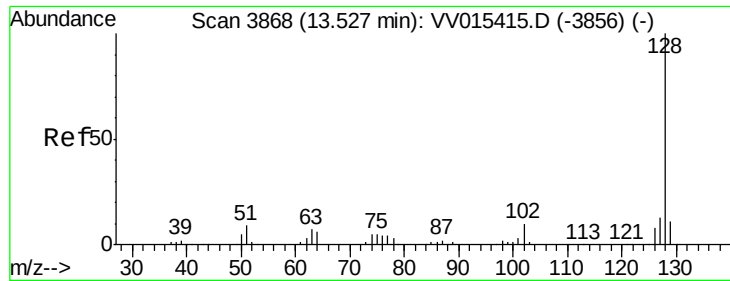
#68
 1,2,4-trichlorobenzene
 Concen: 0.515 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015413.D
 Acq: 09 Apr 2020 11:51

Tgt Ion:180 Resp: 5737
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 115.0
 145 33.6 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.427 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

Instrument :

MSVOA_V

ClientSampleId :

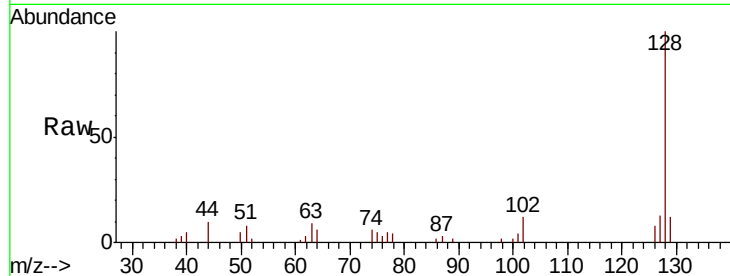
Tot Ion:128 Resp: 10943

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

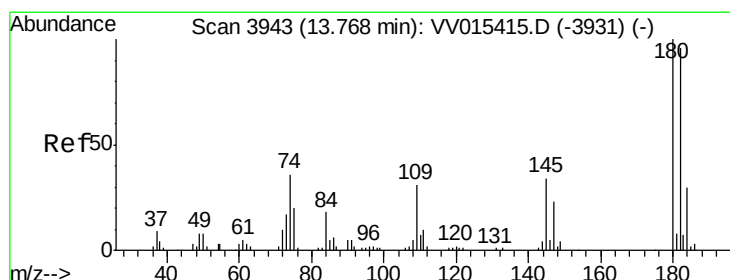
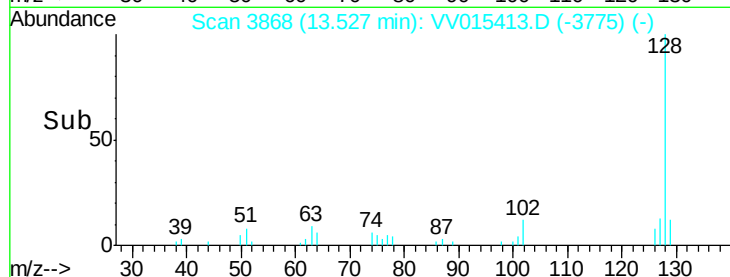
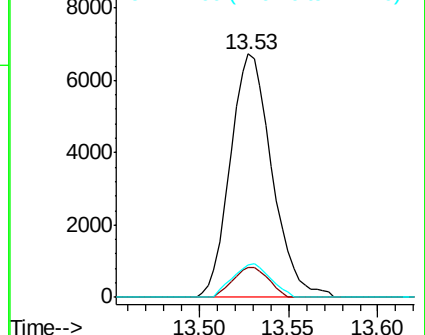
127 12.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.533 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015413.D

Acq: 09 Apr 2020 11:51

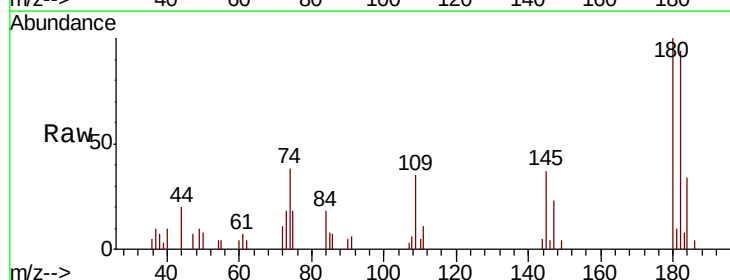
Tgt Ion:180 Resp: 5115

Ion Ratio Lower Upper

180 100

182 93.4 76.4 114.6

145 35.9 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

