

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013835.D
 Acq On : 27 Nov 2019 20:40
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 03:11:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	333564	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	320265	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	184308	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71547	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.58	69	74750	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.13	63	155199	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.92	46	242801	56.57	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.14%
24) Chloroform-d	4.40	84	194944	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.08	65	97362	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.09	84	366941	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.11	67	112361	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	329523	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	41377	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.13	63	195615	55.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	90026	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	145793	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	119607	5.384	ug/L 98
3) Chloromethane	1.25	50	94737	4.856	ug/L 100
5) Vinyl chloride	1.32	62	108320	5.436	ug/L 92
6) Bromomethane	1.53	94	47581	4.535	ug/L 99
8) Chloroethane	1.60	64	69155	5.759	ug/L 97
9) Trichlorofluoromethane	1.77	101	180362	5.829	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	104473	5.682	ug/L 99
12) 1,1-Dichloroethene	2.14	96	93771	5.847	ug/L 87
13) Acetone	2.18	43	157996	52.643	ug/L # 52
14) Carbon disulfide	2.32	76	200472	5.415	ug/L 97
15) Methyl Acetate	2.46	43	39252	5.842	ug/L 96
16) Methylene chloride	2.53	84	118396	5.390	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	237977	5.422	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	99691	5.505	ug/L 99
19) 1,1-Dichloroethane	3.23	63	207662	5.744	ug/L 100
21) 2-Butanone	4.00	43	261316	57.602	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	121114	5.703	ug/L # 96

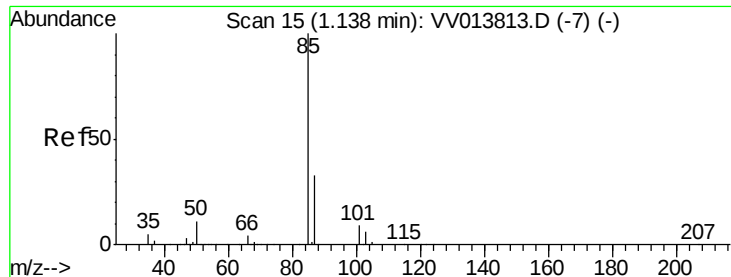
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	52877	5.666	ug/L	96
25) Chloroform	4.42	83	232937	6.078	ug/L	99
27) 1,2-Dichloroethane	5.18	62	125941	5.741	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	189969	5.799	ug/L	99
30) Cyclohexane	4.72	56	139586	5.100	ug/L	98
31) Carbon tetrachloride	4.87	117	164922	5.722	ug/L	100
33) Benzene	5.14	78	440564	5.608	ug/L	100
34) Trichloroethene	5.96	95	121557	5.609	ug/L	98
35) Methylcyclohexane	6.17	83	147149	5.089	ug/L	97
37) 1,2-Dichloropropane	6.22	63	108546	5.376	ug/L	99
38) Bromodichloromethane	6.55	83	155182	5.825	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	146816	5.124	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	612129	51.959	ug/L	99
42) Toluene	7.43	91	466528	5.536	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	116507	5.195	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	79273	5.509	ug/L	94
47) Tetrachloroethene	8.02	164	106298	5.649	ug/L	98
48) 2-Hexanone	8.18	43	439493	52.264	ug/L	99
49) Dibromochloromethane	8.29	129	107919	5.848	ug/L	97
50) 1,2-Dibromoethane	8.39	107	71071	5.454	ug/L	98
51) Chlorobenzene	8.92	112	319378	5.447	ug/L	98
52) Ethylbenzene	9.05	91	519247	5.672	ug/L	98
53) m,p-xylene	9.18	106	201500	5.774	ug/L	99
54) o-xylene	9.58	106	195107	5.727	ug/L	99
55) Styrene	9.60	104	347601	5.909	ug/L	98
56) Isopropylbenzene	9.97	105	536946	5.783	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	93300	5.901	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	70321	5.674	ug/L	99
61) Bromoform	9.77	173	66953	5.772	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	298278	5.571	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	298759	5.482	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	270465	5.443	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	14741	5.105	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	231518	5.119	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	182133	4.910	ug/L	99
69) Naphthalene	13.55	128	218467	4.326	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	176585	5.226	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.384 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

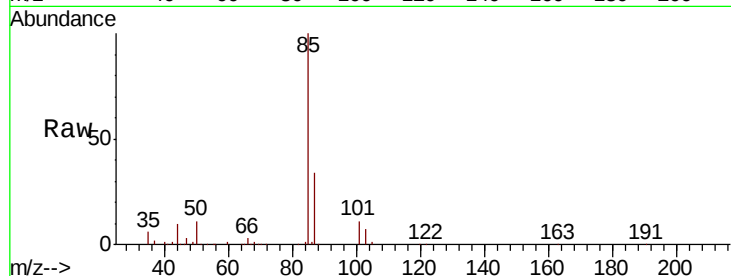
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 119607

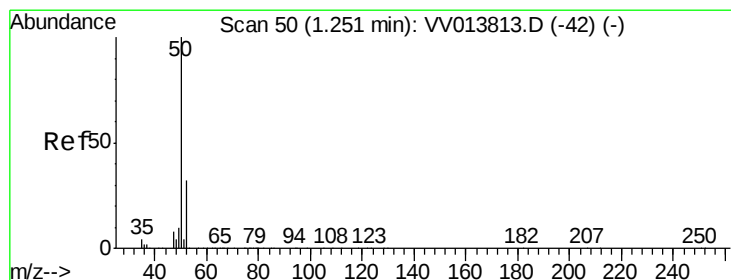
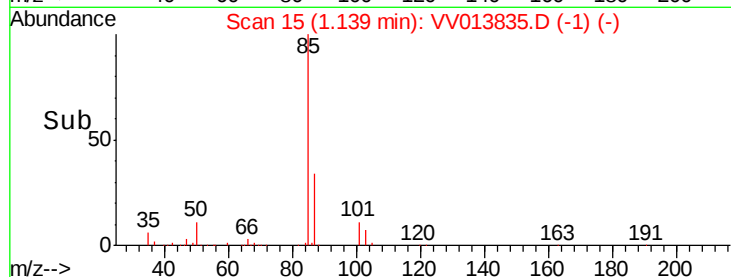
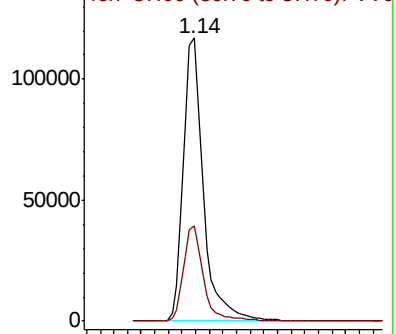
Ion Ratio Lower Upper

85 100

87 33.0 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013835.D (-1) (-)



#3

Chloromethane

Concen: 4.856 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013835.D

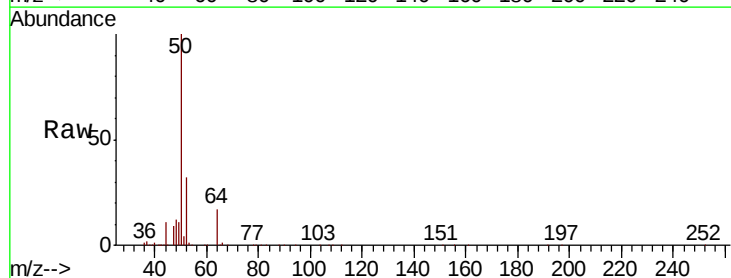
Acq: 27 Nov 2019 20:40

Tgt Ion: 50 Resp: 94737

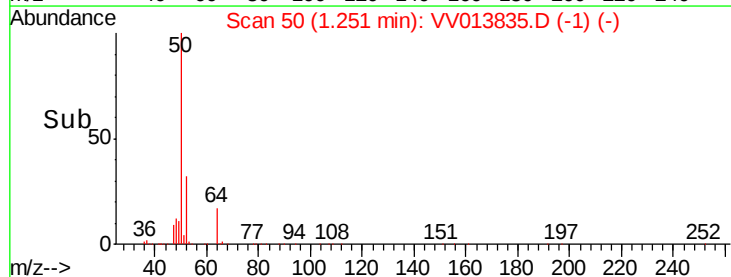
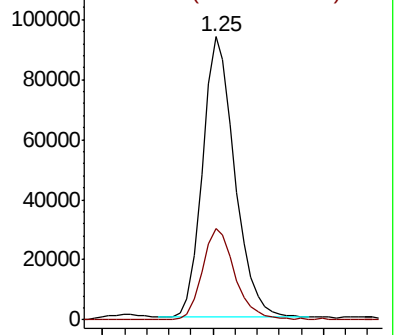
Ion Ratio Lower Upper

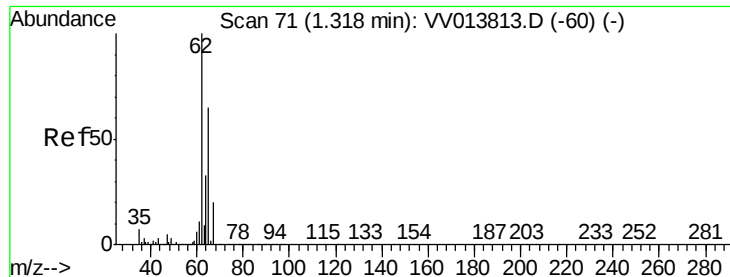
50 100

52 32.4 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV013835.D (-1) (-)





#5

Vinyl chloride

Concen: 5.436 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

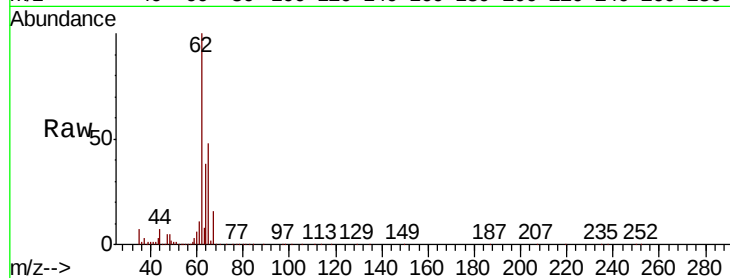
ClientSampled :

Tot Ion: 62 Resp: 108320

Ion Ratio Lower Upper

62 100

64 38.0 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

120000

100000

80000

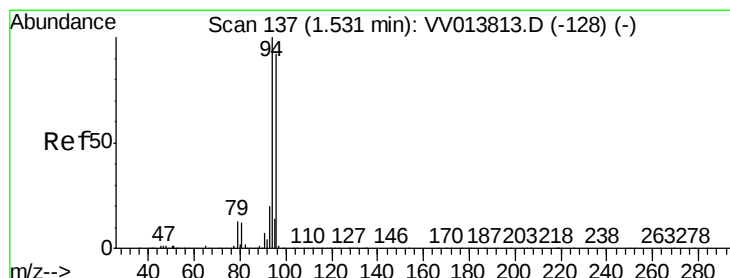
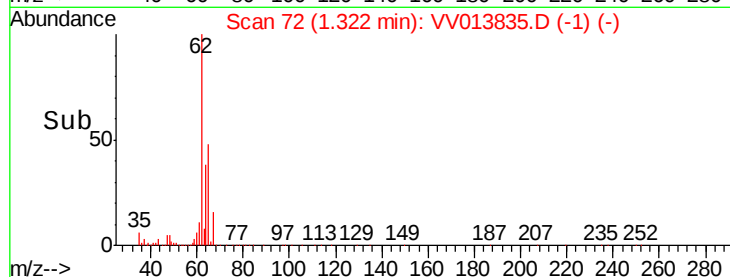
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 4.535 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013835.D

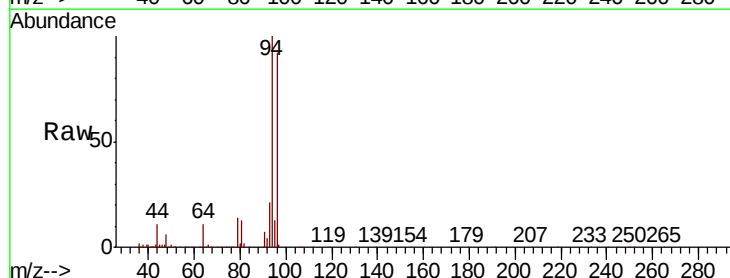
Acq: 27 Nov 2019 20:40

Tgt Ion: 94 Resp: 47581

Ion Ratio Lower Upper

94 100

96 91.7 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

50000

40000

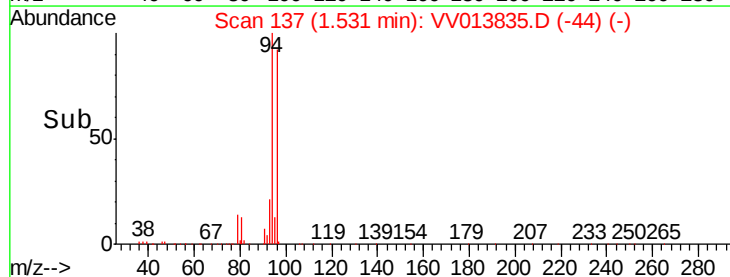
30000

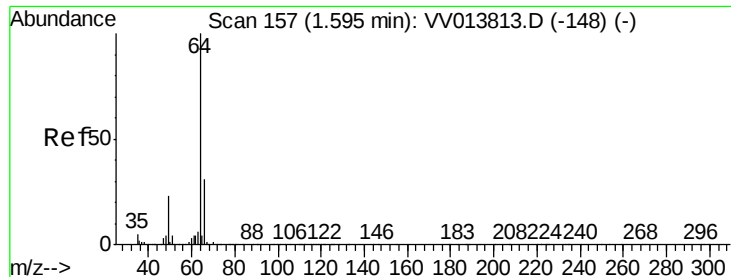
20000

10000

0

Time-->

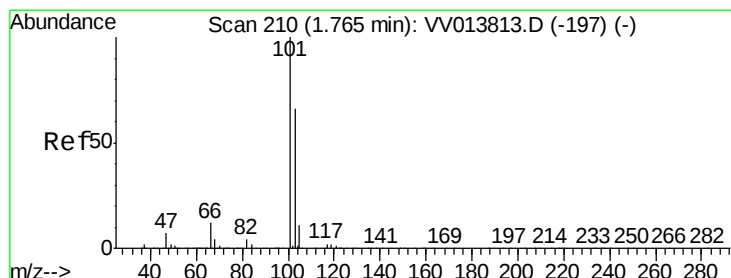
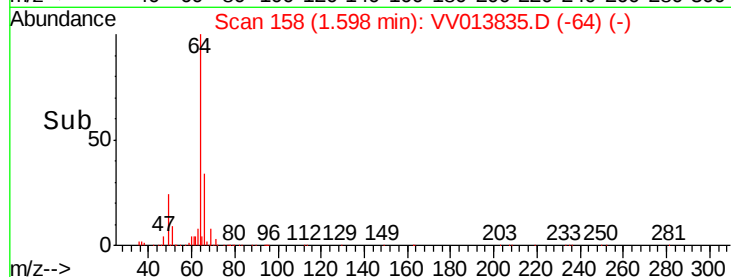
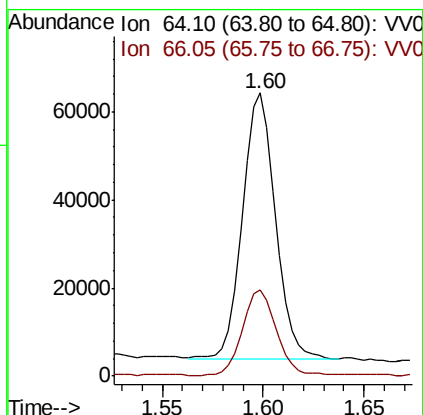
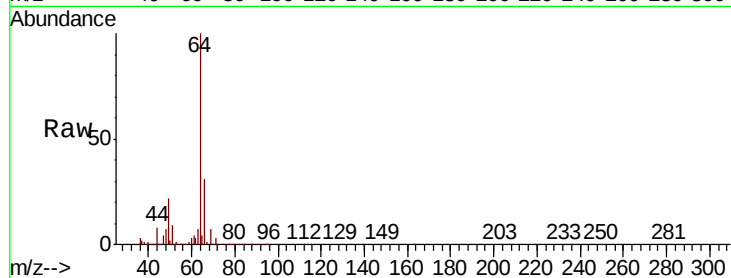




#8
Chloroethane
Concen: 5.759 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

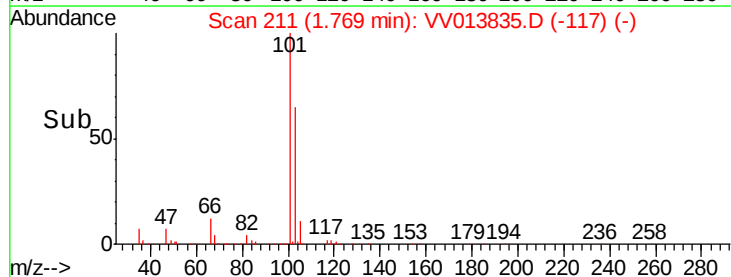
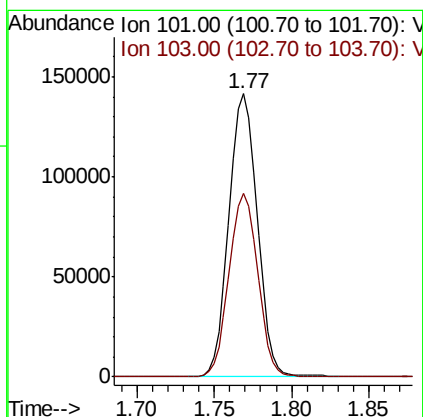
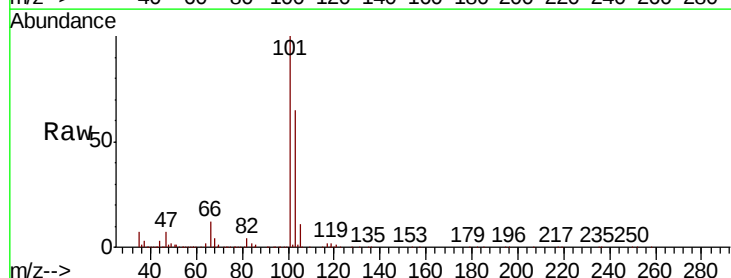
Instrument :
MSVOA_V
ClientSampleId :

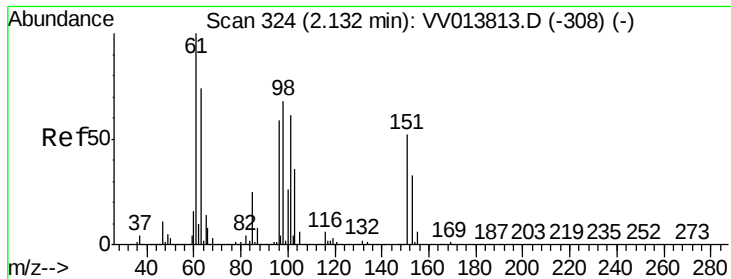
Tot Ion: 64 Resp: 69155
Ion Ratio Lower Upper
64 100
66 30.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.829 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

Tgt Ion: 101 Resp: 180362
Ion Ratio Lower Upper
101 100
103 65.8 52.9 79.3





#10

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

Concen: 5.682 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

ClientSampleId :

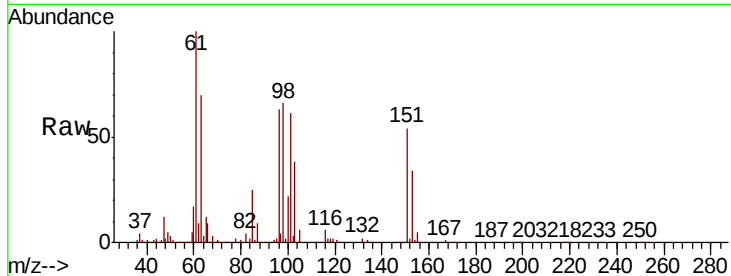
Tot Ion:101 Resp: 104473

Ion Ratio Lower Upper

101 100

85 41.4 33.4 50.0

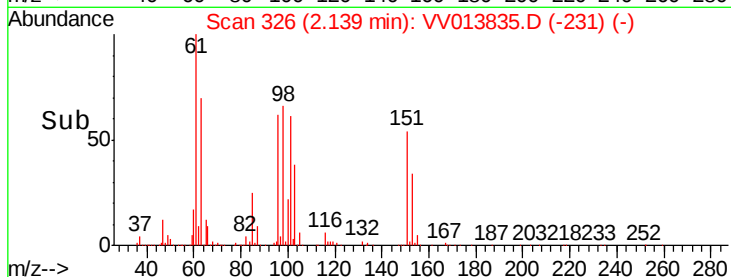
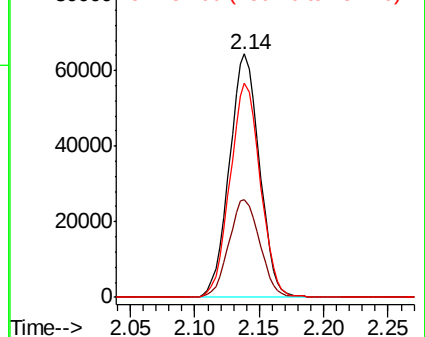
151 87.7 69.4 104.0



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: 5.847 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

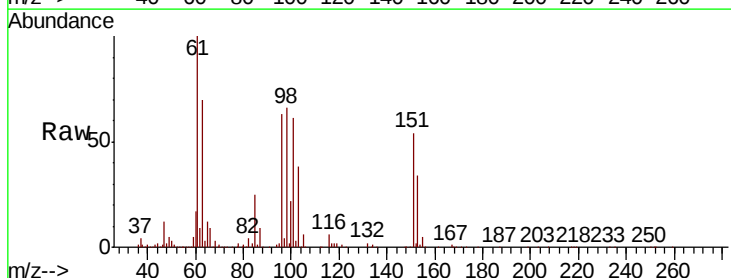
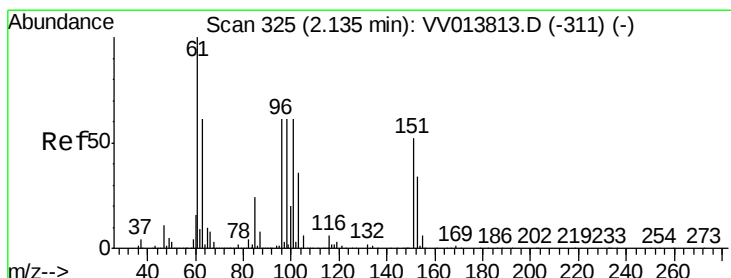
Tgt Ion: 96 Resp: 93771

Ion Ratio Lower Upper

96 100

61 159.6 116.3 215.9

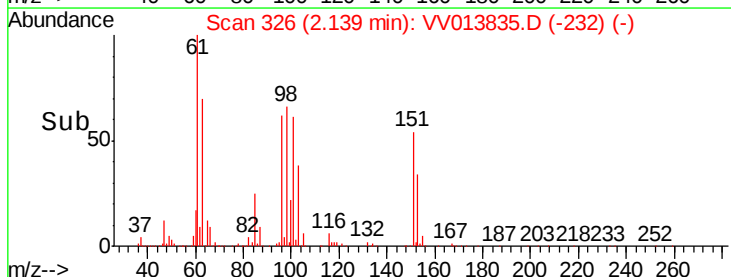
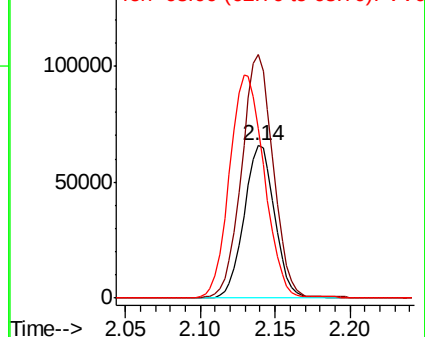
63 111.3 96.7 179.7

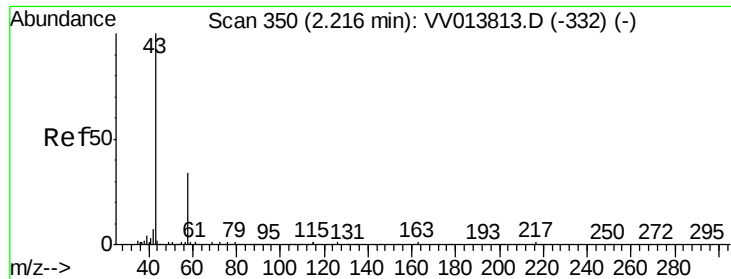


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.643 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

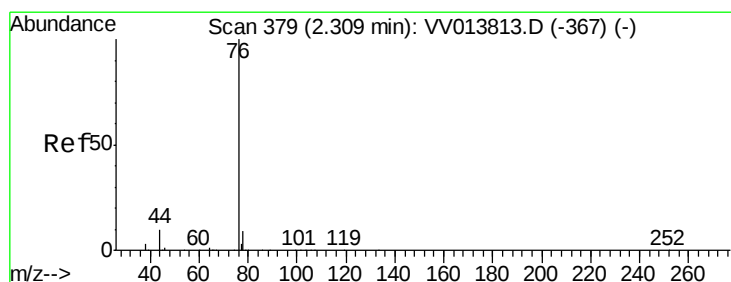
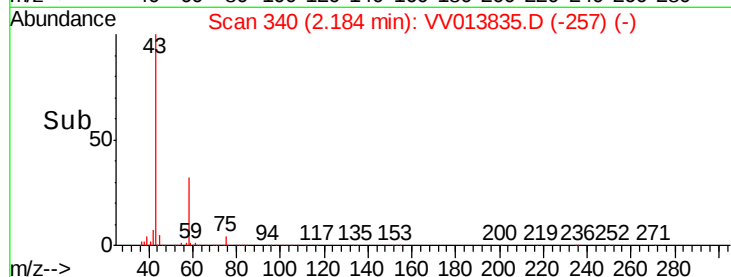
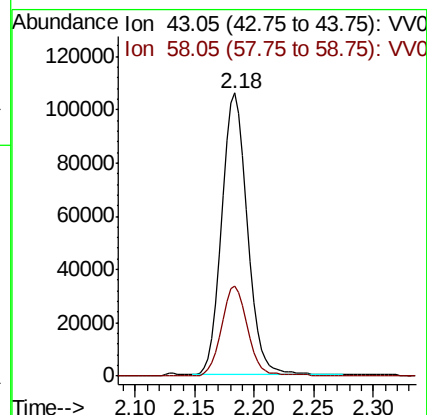
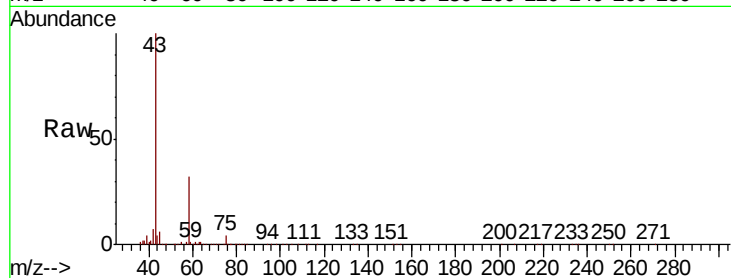
ClientSampleId :

Tot Ion: 43 Resp: 157996

Ion Ratio Lower Upper

43 100

58 33.0 0.0 27.2#



#14

Carbon disulfide

Concen: 5.415 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013835.D

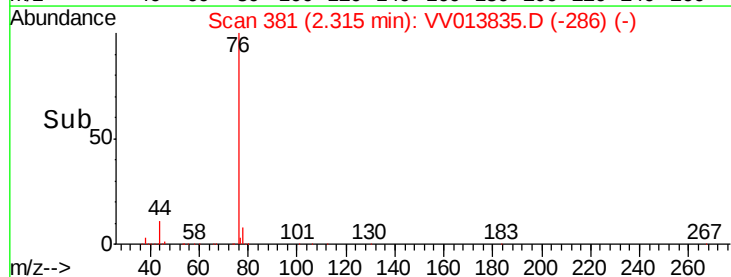
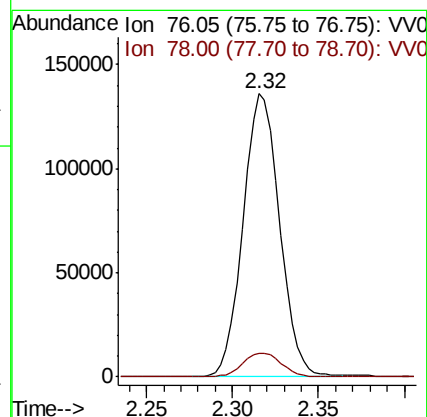
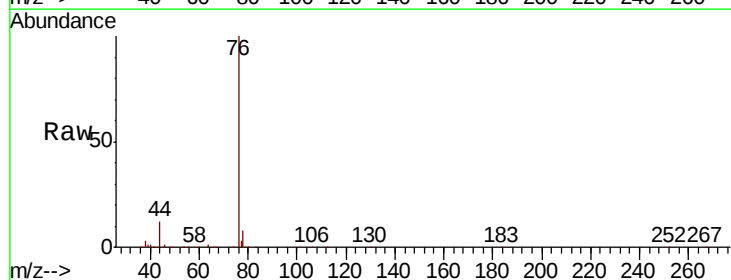
Acq: 27 Nov 2019 20:40

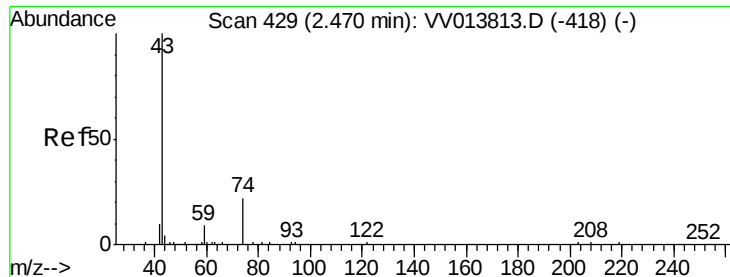
Tgt Ion: 76 Resp: 200472

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3

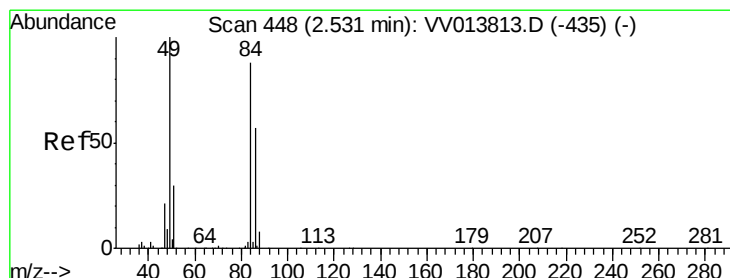
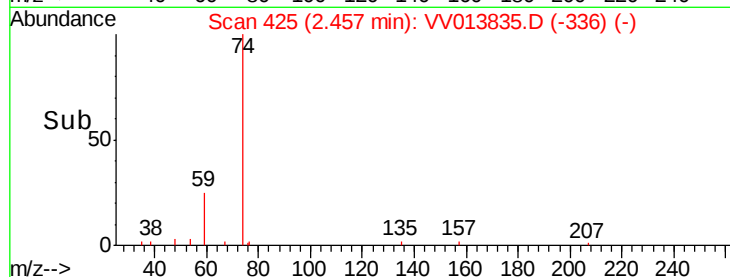
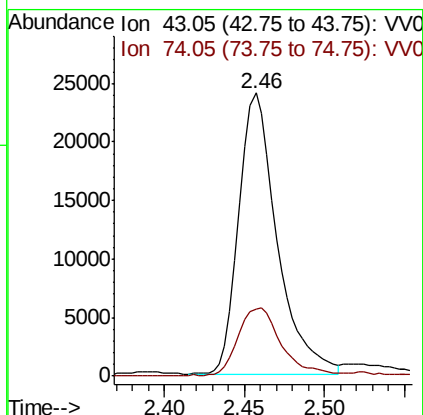
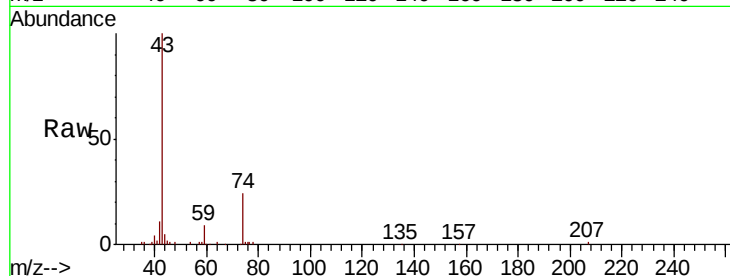




#15
Methvl Acetate
Concen: 5.842 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

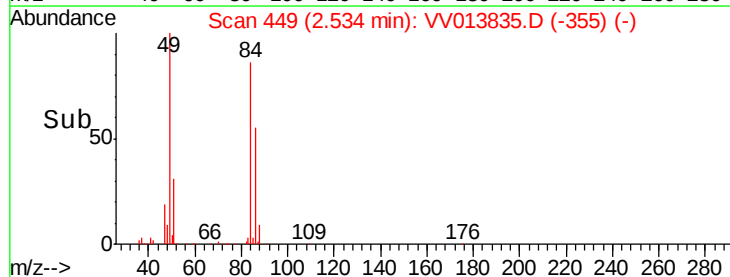
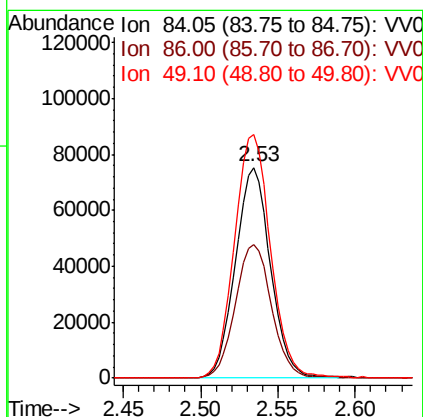
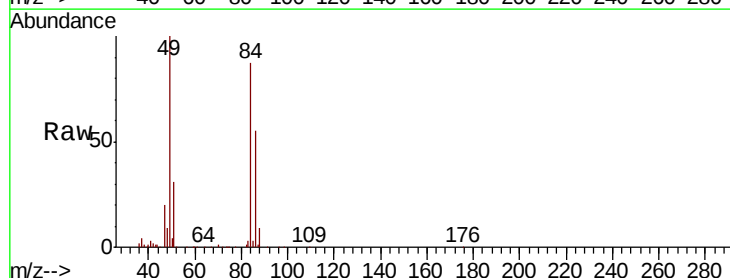
Instrument :
MSVOA_V
ClientSampled :

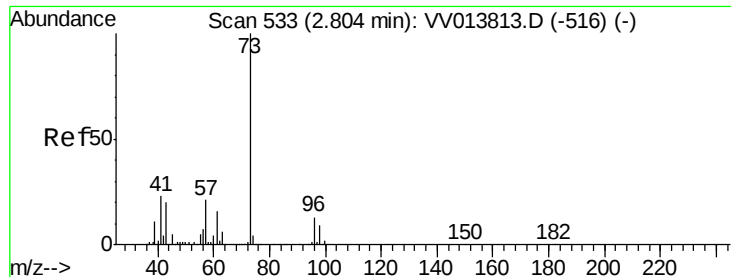
Tot Ion: 43 Resp: 39252
Ion Ratio Lower Upper
43 100
74 27.7 20.5 30.7



#16
Methylene chloride
Concen: 5.390 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

Tgt Ion: 84 Resp: 118396
Ion Ratio Lower Upper
84 100
86 63.2 44.0 81.6
49 115.6 81.5 151.5

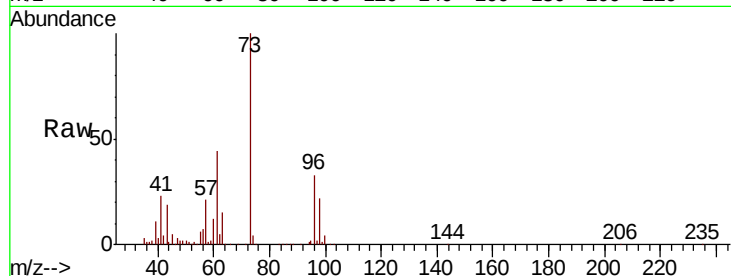




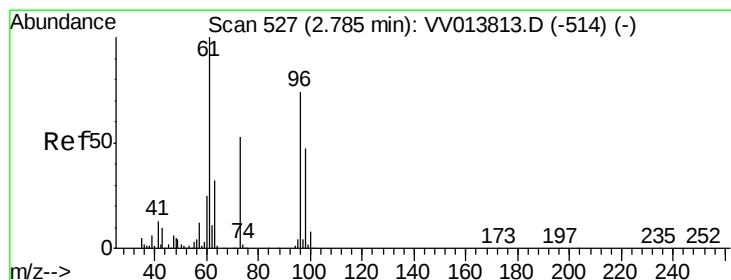
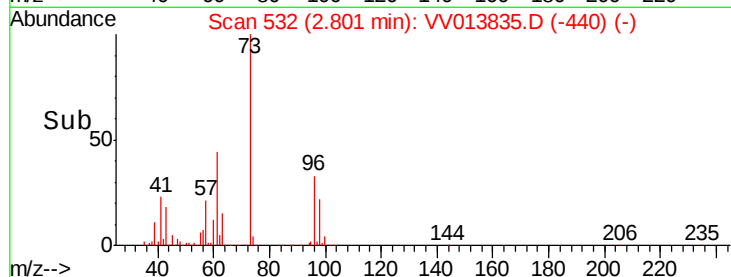
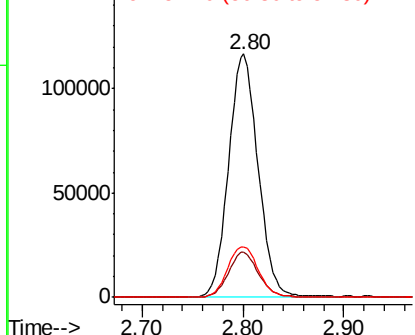
#17
Methvl tert-butvl Ether
Concen: 5.422 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.5	23.3
57	21.8	17.5	26.3

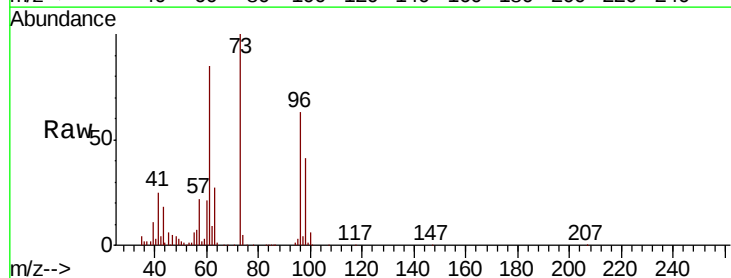


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

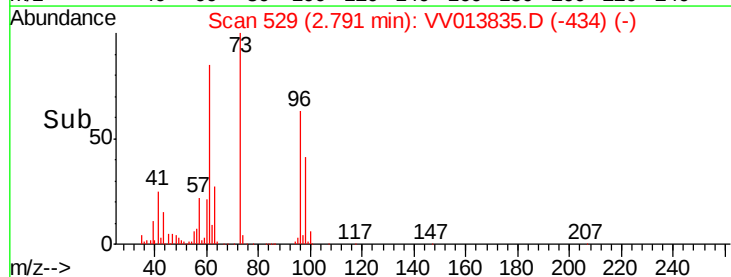
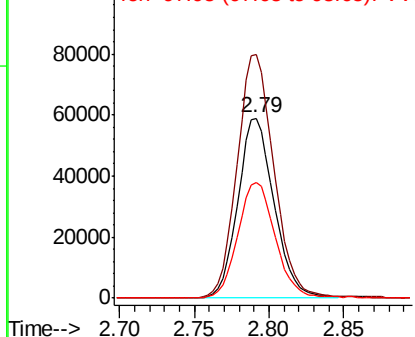


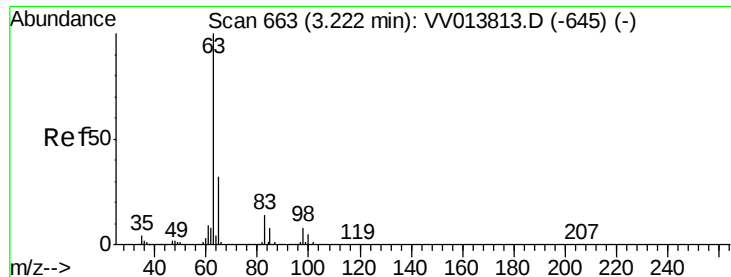
#18
trans-1,2-Dichloroethene
Concen: 5.505 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.01 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.1	95.1	176.7
98	64.5	46.5	86.3



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: 5.744 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

ClientSampled :

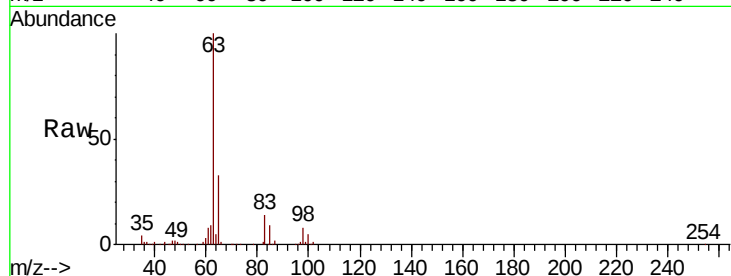
Tot Ion: 63 Resp: 207662

Ion Ratio Lower Upper

63 100

65 32.5 22.7 42.1

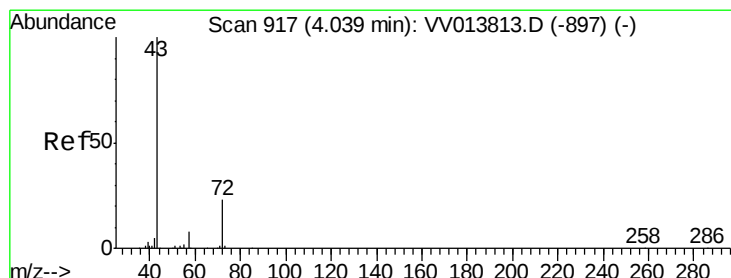
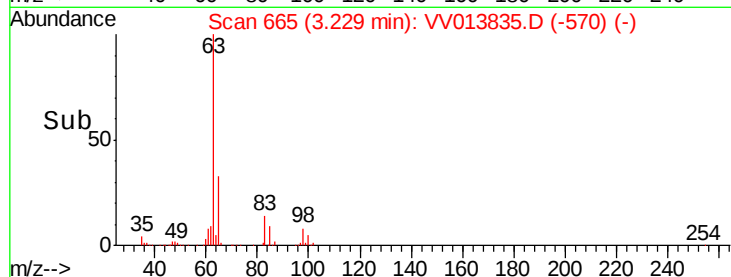
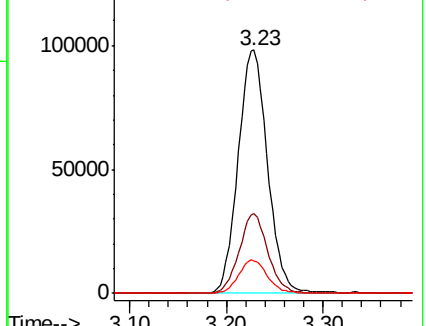
83 13.5 9.2 17.2



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



#21

2-Butanone

Concen: 57.602 ug/L

RT: 4.00 min Scan# 906

Delta R.T. -0.04 min

Lab File: VV013835.D

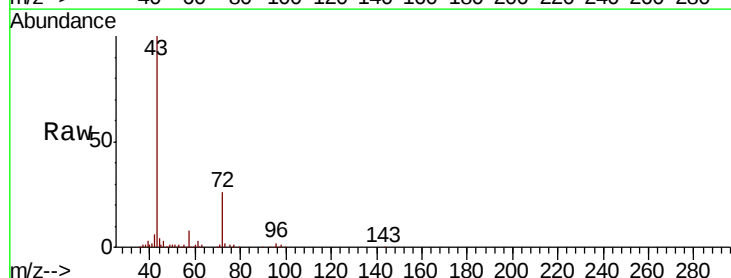
Acq: 27 Nov 2019 20:40

Tgt Ion: 43 Resp: 261316

Ion Ratio Lower Upper

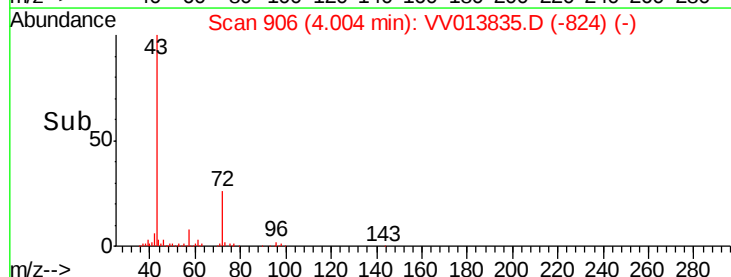
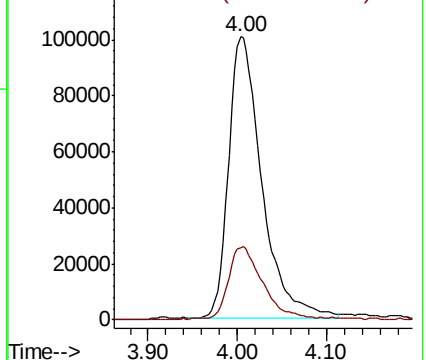
43 100

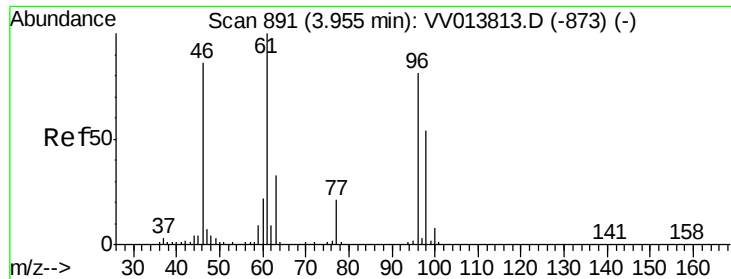
72 25.8 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



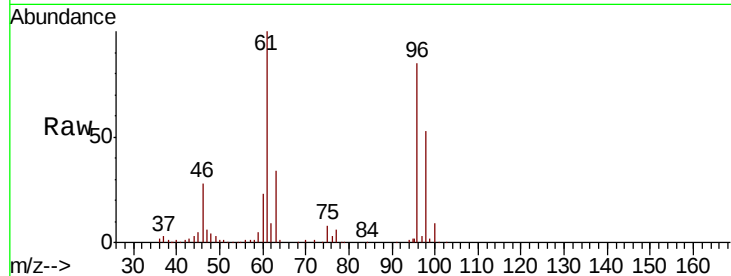


#22

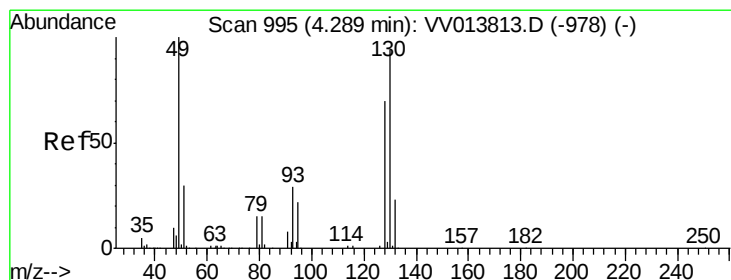
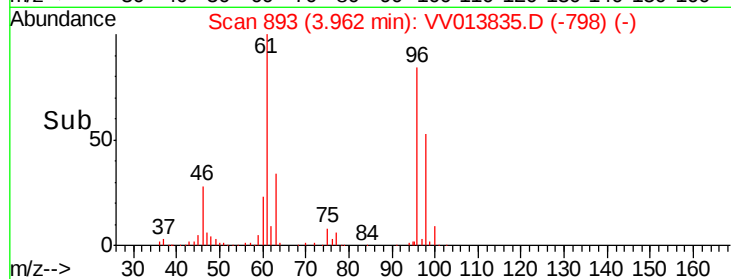
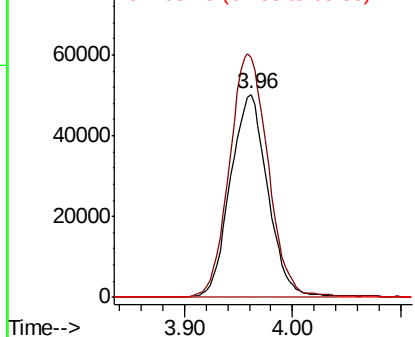
cis-1,2-Dichloroethene
 Concen: 5.703 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 121114
 Ion Ratio Lower Upper
 96 100
 61 118.3 86.1 159.9
 68 0.3 0.0 0.0#



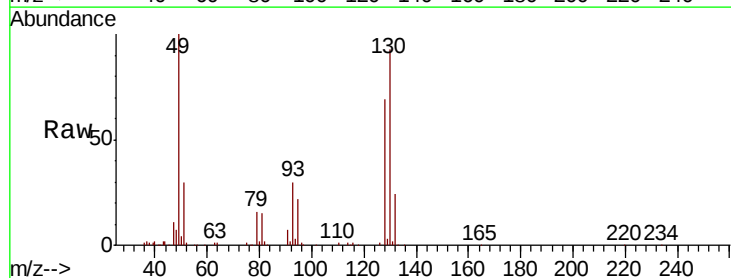
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



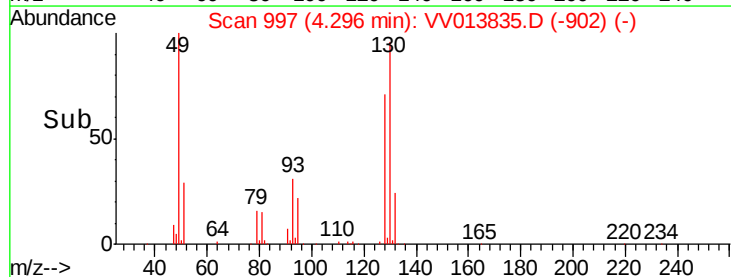
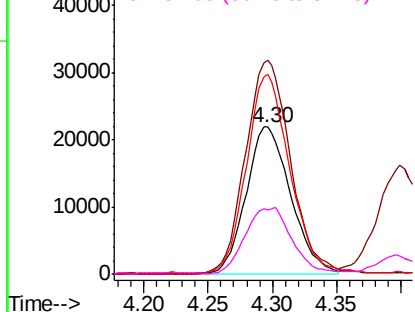
#23

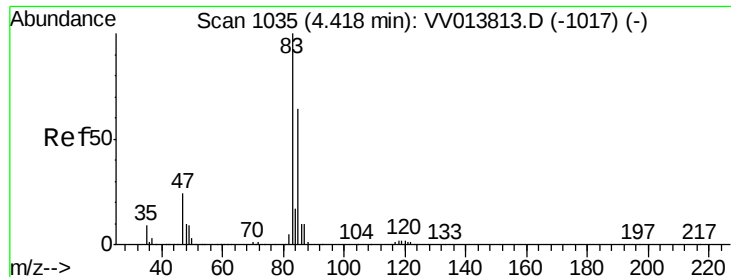
Bromochloromethane
 Concen: 5.666 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion: 128 Resp: 52877
 Ion Ratio Lower Upper
 128 100
 49 145.4 100.1 185.9
 130 135.5 89.0 165.4
 51 43.8 36.3 54.5



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: 6.078 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

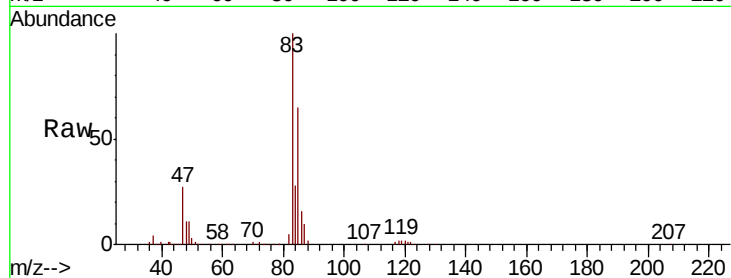
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 232937

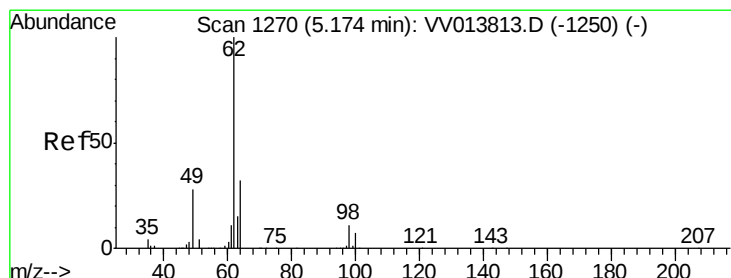
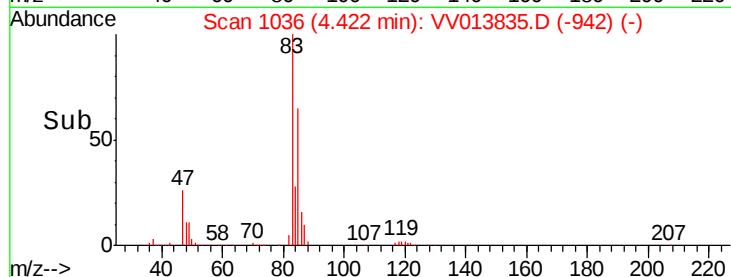
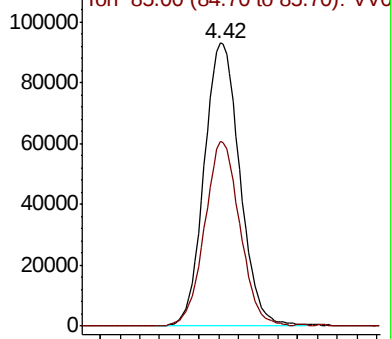
Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013835.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 5.741 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013835.D

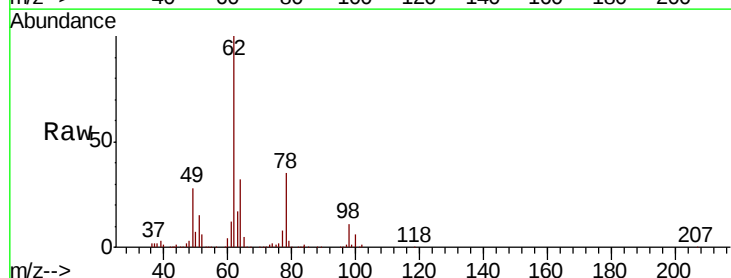
Acq: 27 Nov 2019 20:40

Tgt Ion: 62 Resp: 125941

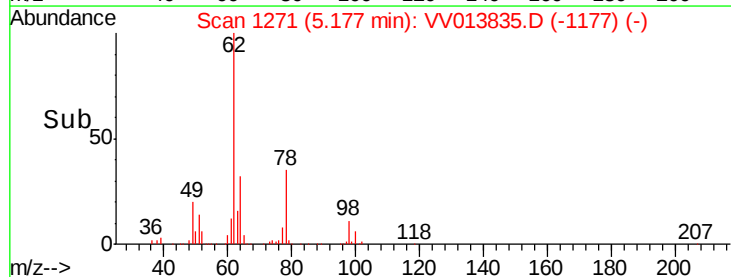
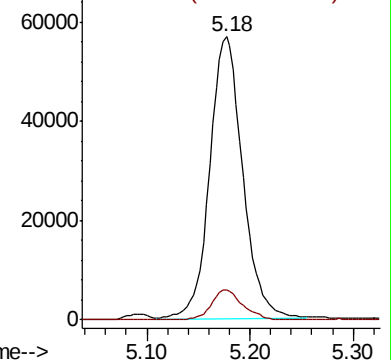
Ion Ratio Lower Upper

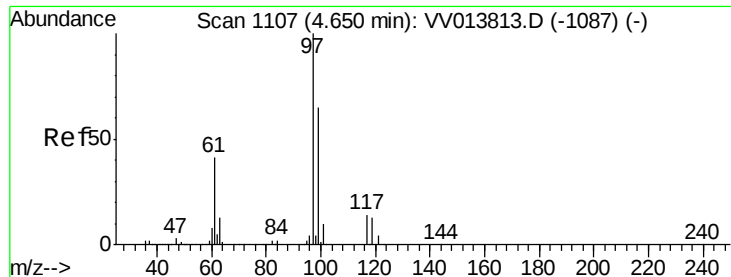
62 100

98 10.6 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013835.D (-1177) (-)

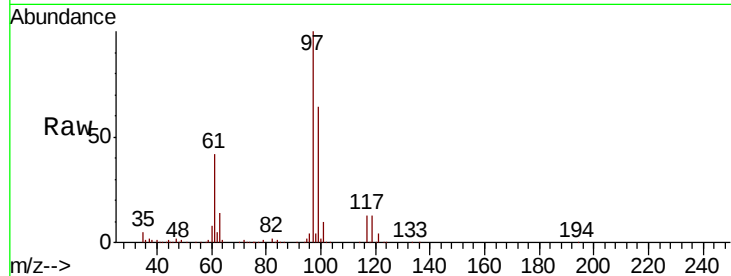




#29
 1,1,1-Trichloroethane
 Concen: 5.799 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	43.2	35.0	52.6

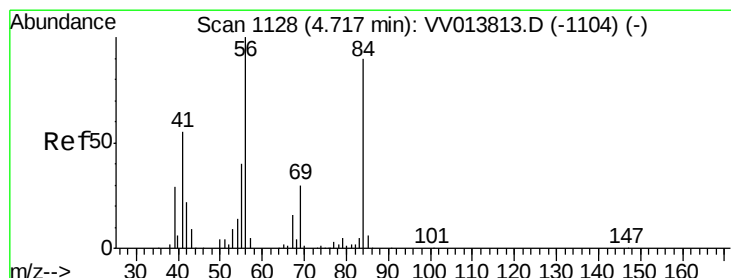
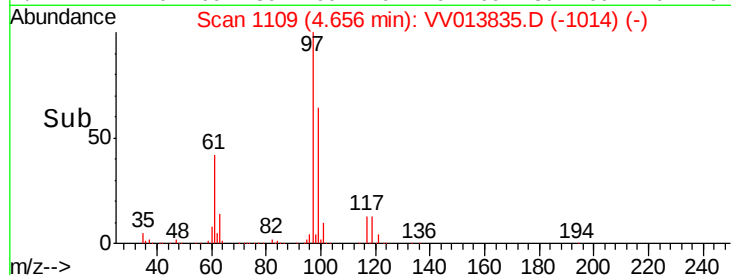
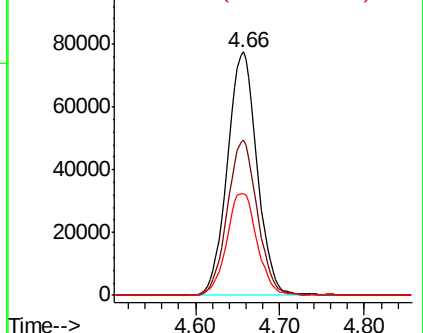


Abundance

Ion 96.95 (96.65 to 97.65): VV0

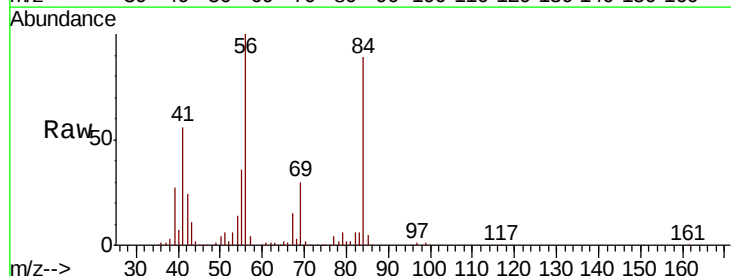
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 5.100 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.1	36.1
84	89.6	69.9	104.9

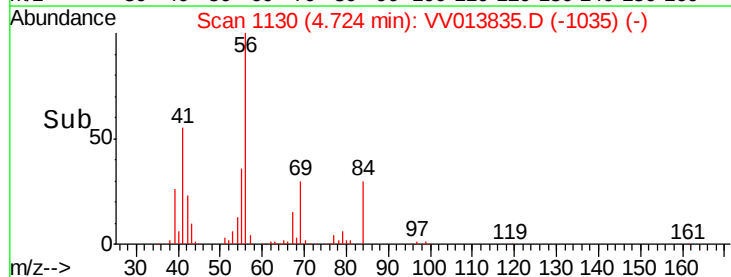
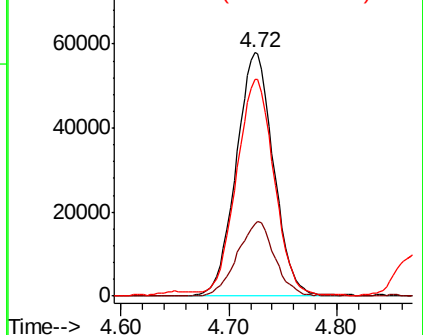


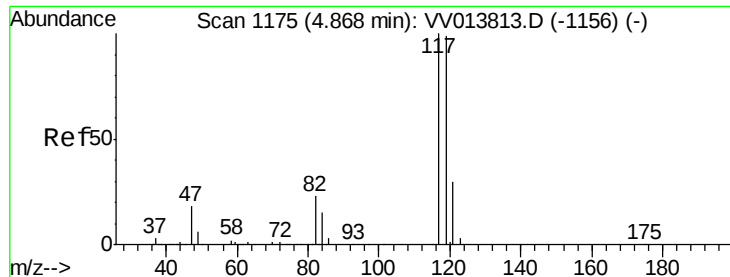
Abundance

Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0



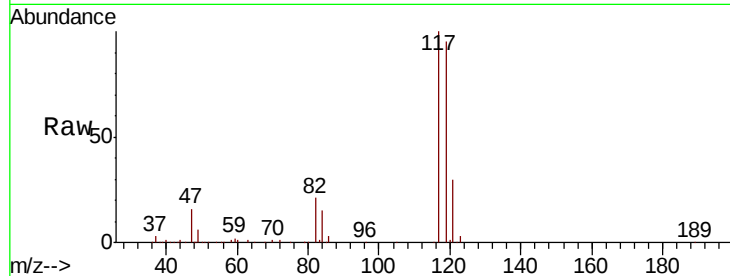


#31

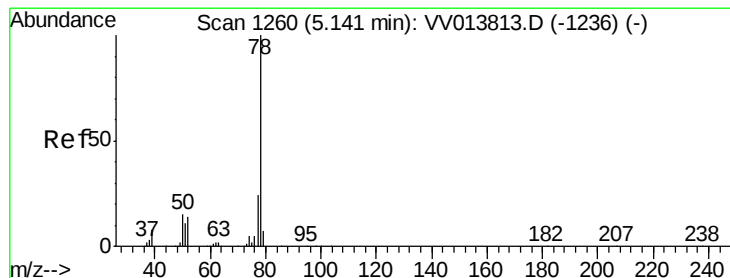
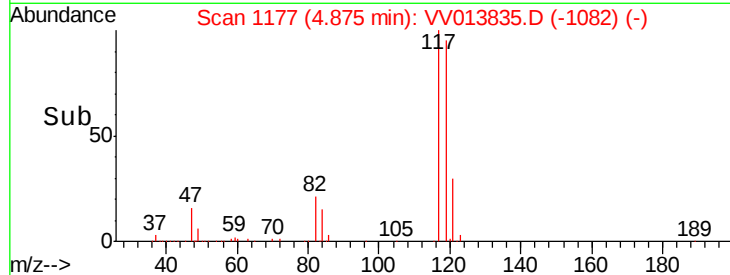
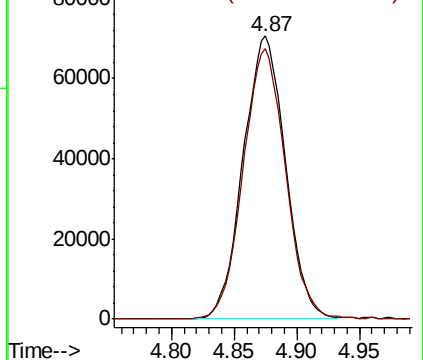
Carbon tetrachloride
 Concen: 5.722 ug/L
 RT: 4.87 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:117 Resp: 164922
 Ion Ratio Lower Upper
 117 100
 119 96.0 76.8 115.2



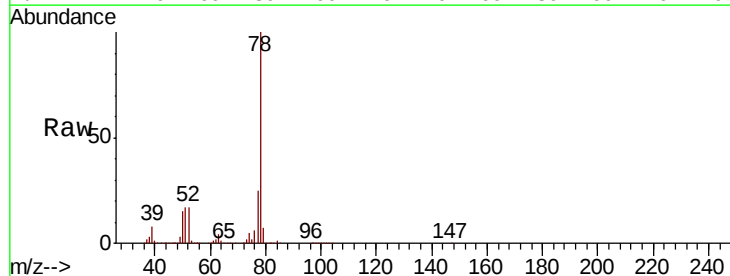
Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V



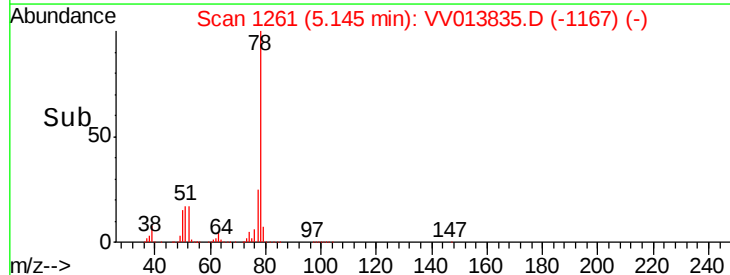
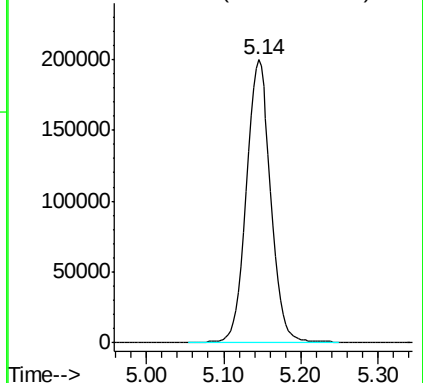
#33

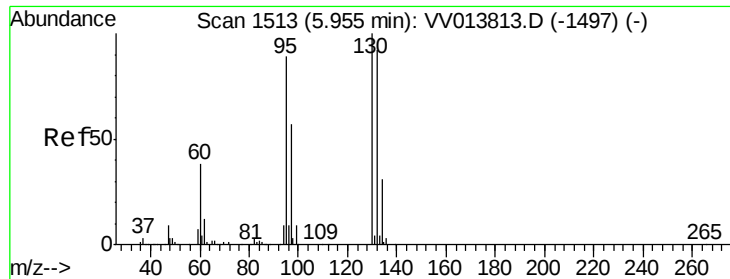
Benzene
 Concen: 5.608 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion: 78 Resp: 440564



Abundance Ion 78.10 (77.80 to 78.80): VV0

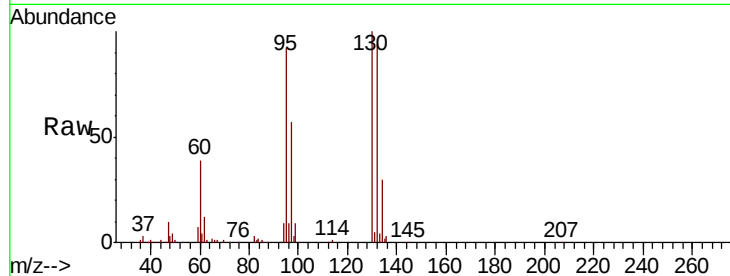




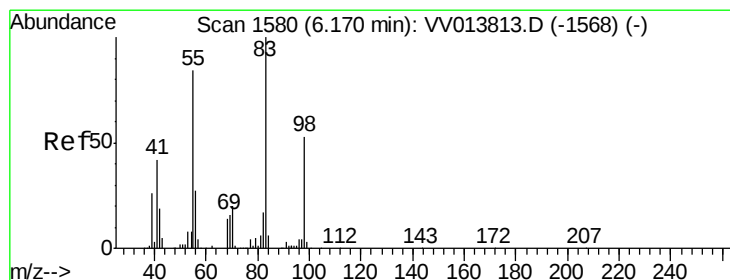
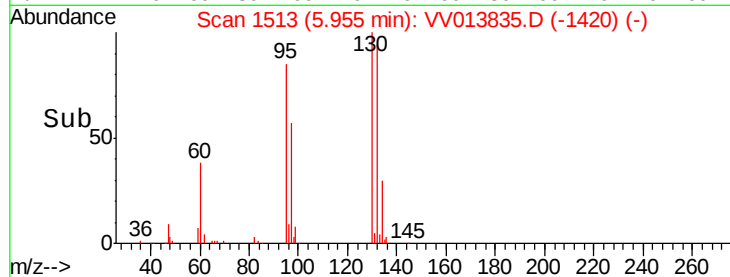
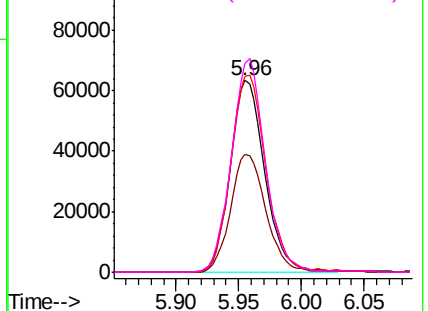
#34
 Trichloroethene
 Concen: 5.609 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	95	Resp:	121557
Ion	Ratio	Lower	Upper
95	100		
97	61.8	45.6	84.8
132	102.3	70.5	130.9
130	109.1	75.9	140.9

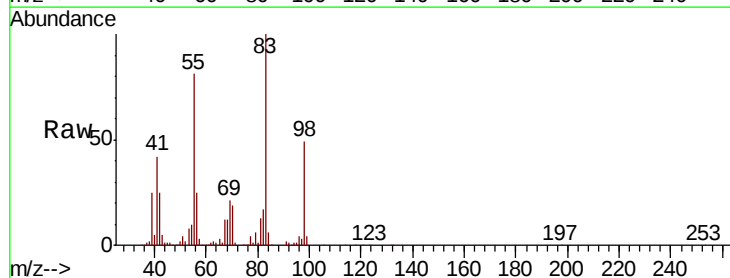


Abundance Ion 95.00 (94.70 to 95.70): VV013835.D (-1420) (-)
 Ion 96.95 (96.65 to 97.65): VV013835.D (-1420) (-)
 Ion 131.95 (131.65 to 132.65): VV013835.D (-1420) (-)
 Ion 129.95 (129.65 to 130.65): VV013835.D (-1420) (-)

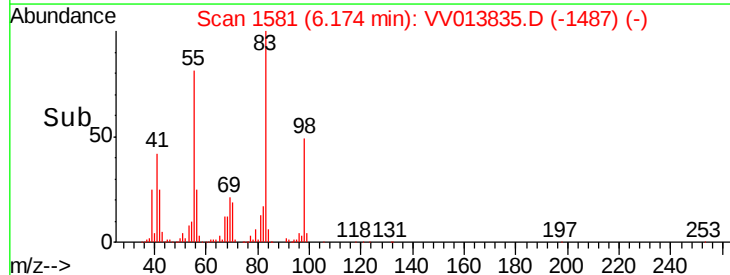
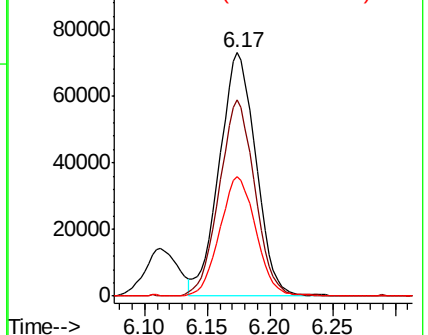


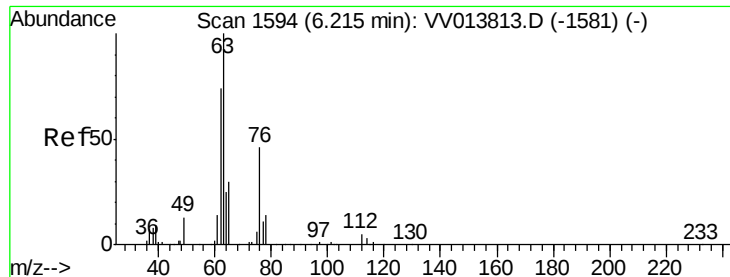
#35
 Methylcyclohexane
 Concen: 5.089 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion:	83	Resp:	147149
Ion	Ratio	Lower	Upper
83	100		
55	78.7	60.3	90.5
98	48.8	38.1	57.1



Abundance Ion 83.15 (82.85 to 83.85): VV013835.D (-1487) (-)
 Ion 55.10 (54.80 to 55.80): VV013835.D (-1487) (-)
 Ion 98.15 (97.85 to 98.85): VV013835.D (-1487) (-)

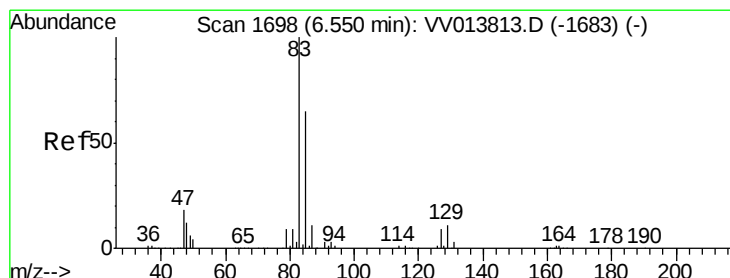
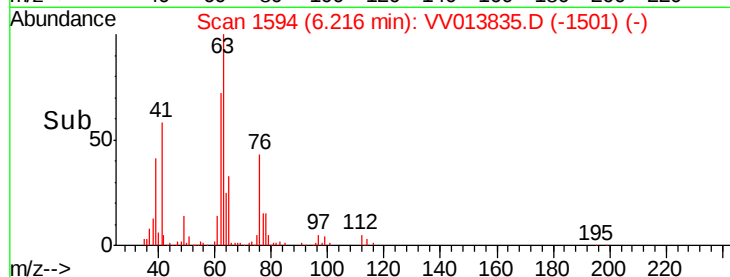
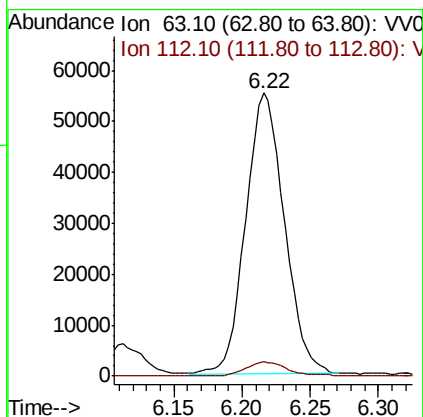
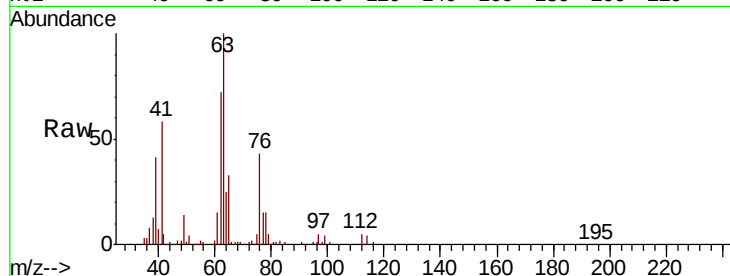




#37
 1,2-Dichloropropane
 Concen: 5.376 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

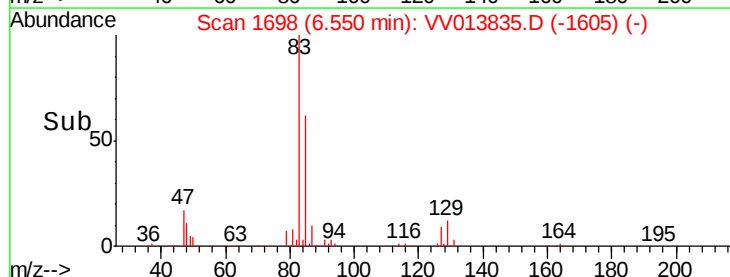
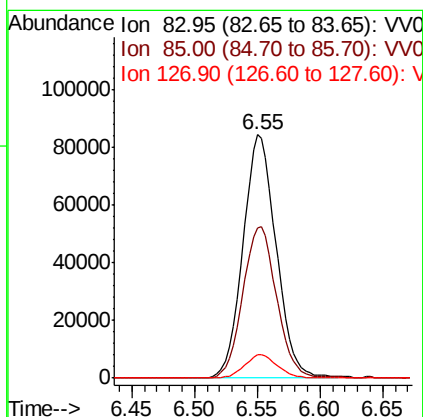
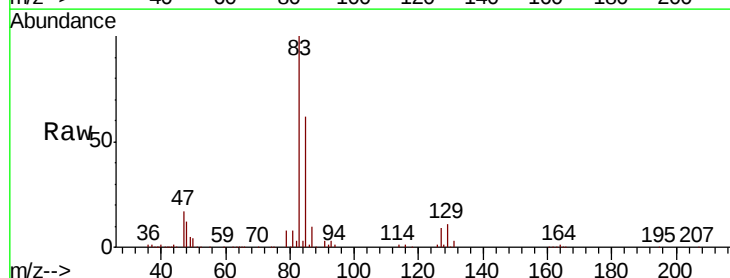
Instrument :
 MSVOA_V
 ClientSampleId :

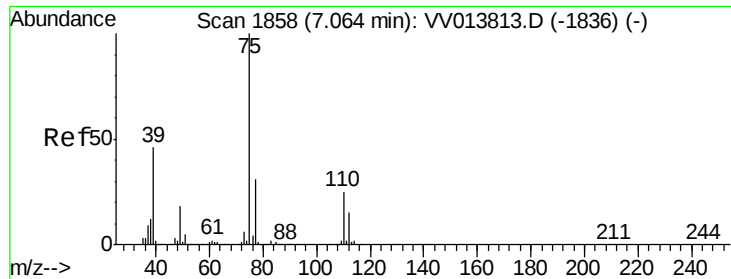
Tot Ion: 63 Resp: 108546
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.825 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion: 83 Resp: 155182
 Ion Ratio Lower Upper
 83 100
 85 61.7 46.1 85.5
 127 9.4 7.5 11.3



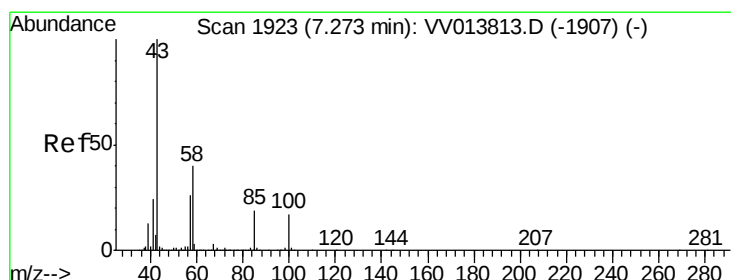
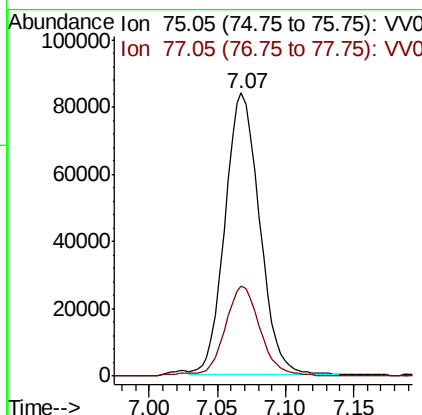
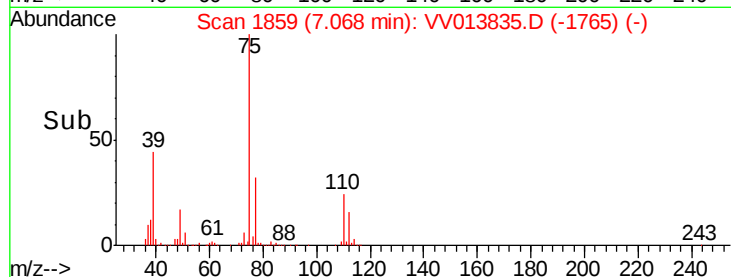
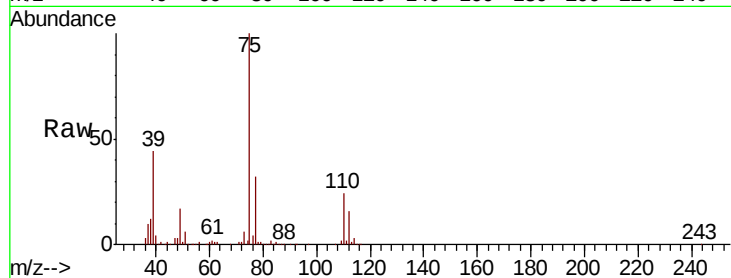


#39

cis-1,3-Dichloropropene
 Concen: 5.124 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

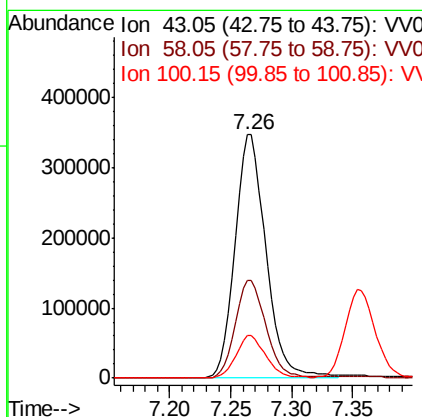
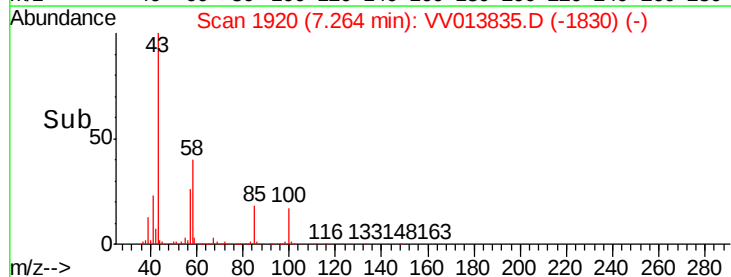
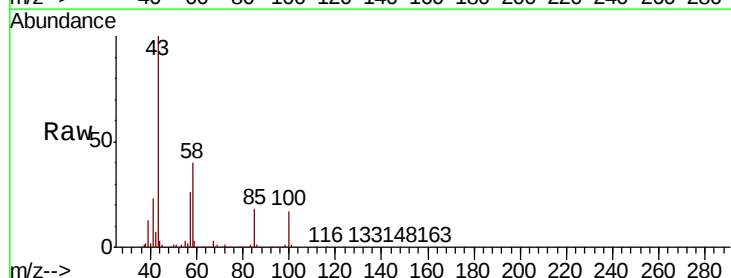
Tot Ion: 75 Resp: 146816
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.9

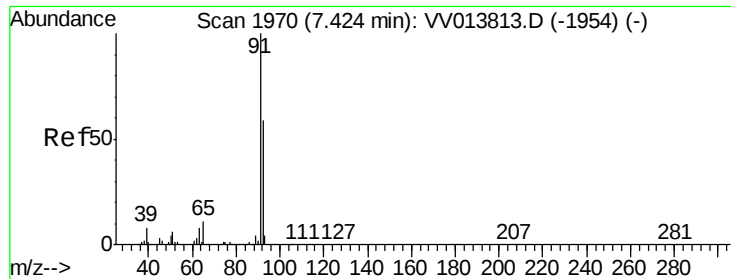


#40

4-Methyl-2-pentanone
 Concen: 51.959 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion: 43 Resp: 612129
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.3 48.5
 100 16.9 12.7 19.1





#42

Toluene

Concen: 5.536 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

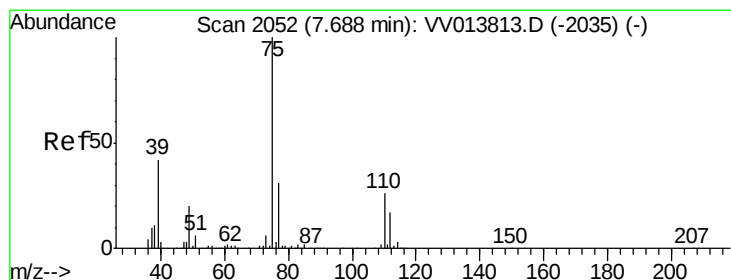
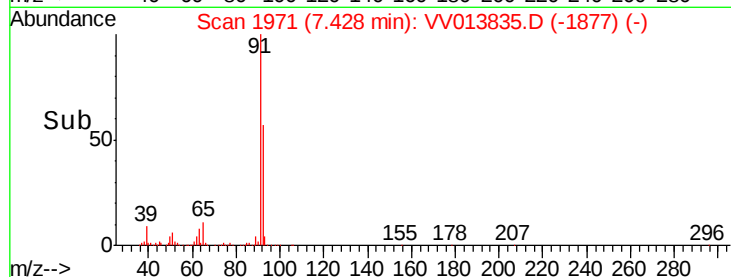
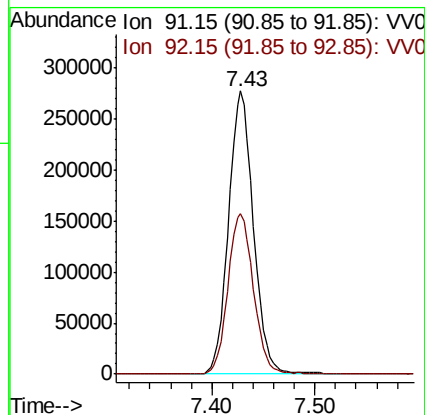
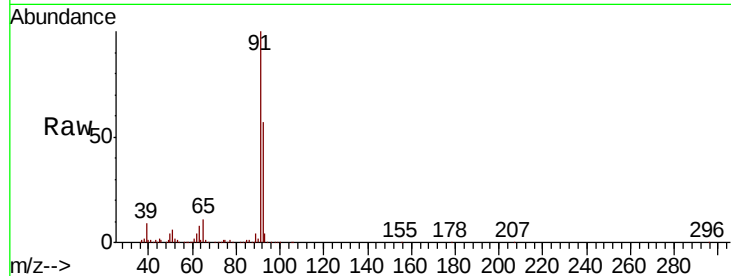
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 466528

Ion Ratio Lower Upper

91 100

92 56.9 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 5.195 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013835.D

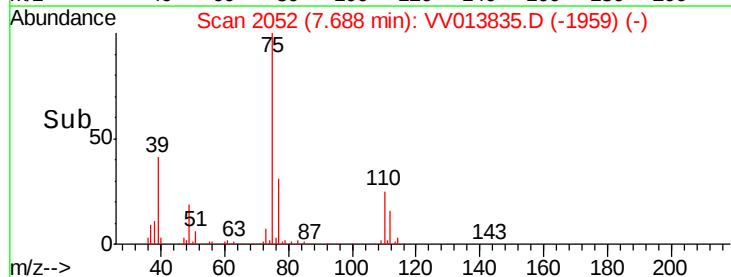
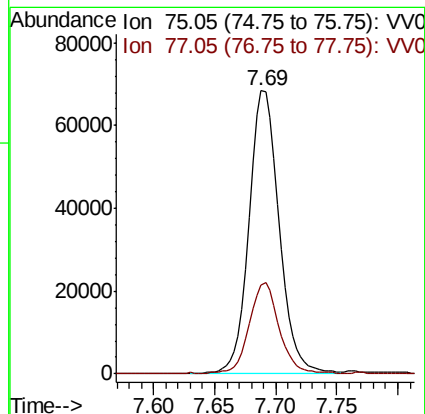
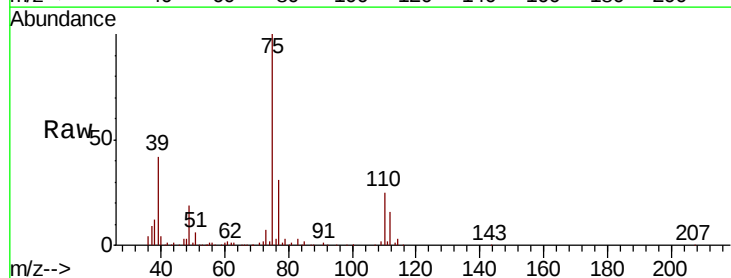
Acq: 27 Nov 2019 20:40

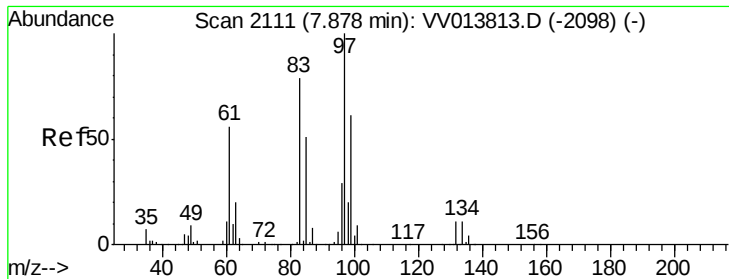
Tgt Ion: 75 Resp: 116507

Ion Ratio Lower Upper

75 100

77 31.5 23.0 42.8

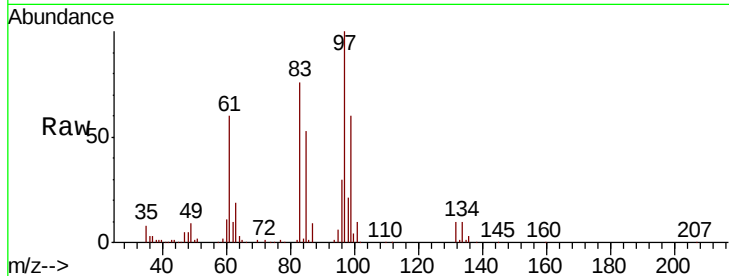




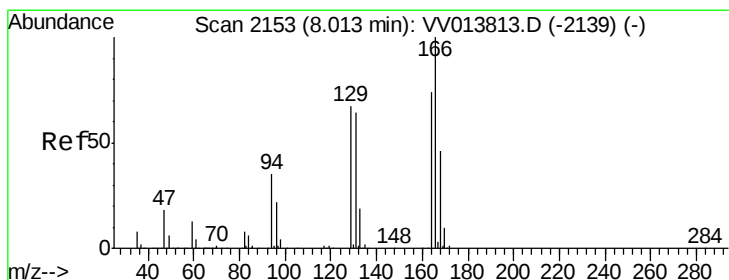
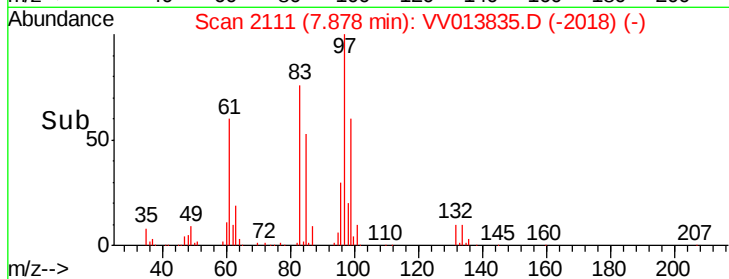
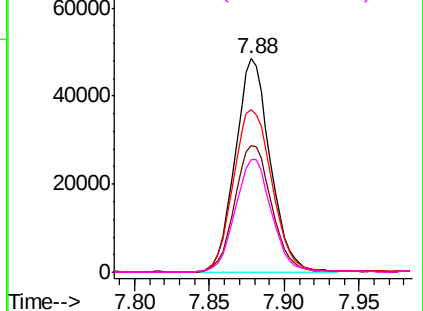
#45
 1,1,2-Trichloroethane
 Concen: 5.509 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	79273
Ion	Ratio	Lower	Upper
97	100		
99	59.6	44.2	82.0
83	76.1	59.7	110.9
85	52.6	38.3	71.1

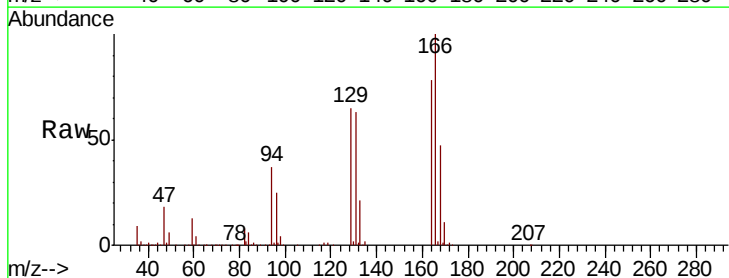


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

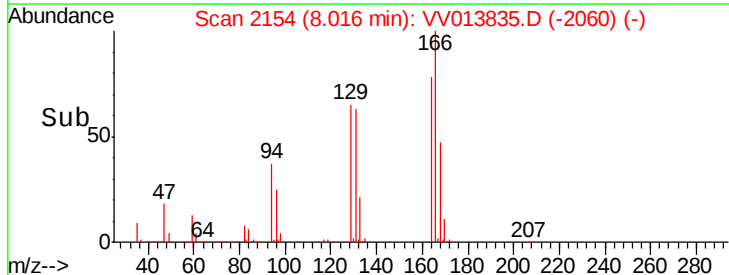
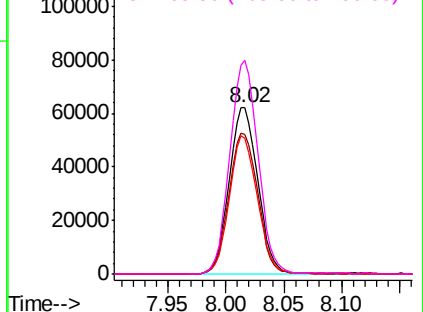


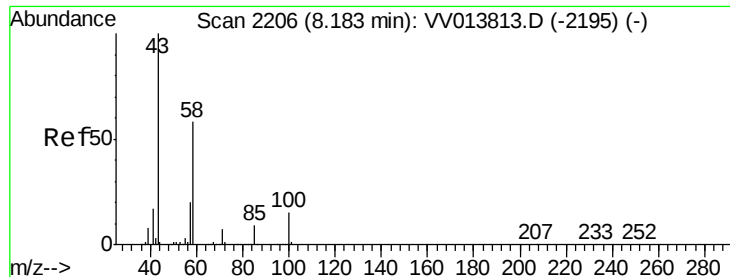
#47
 Tetrachloroethene
 Concen: 5.649 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion:	164	Resp:	106298
Ion	Ratio	Lower	Upper
164	100		
129	83.8	60.3	112.1
131	81.5	59.9	111.3
166	128.5	89.1	165.5



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

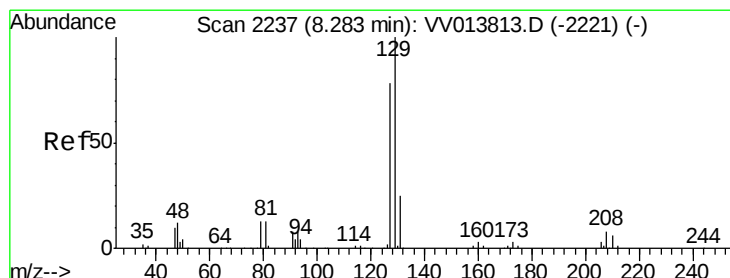
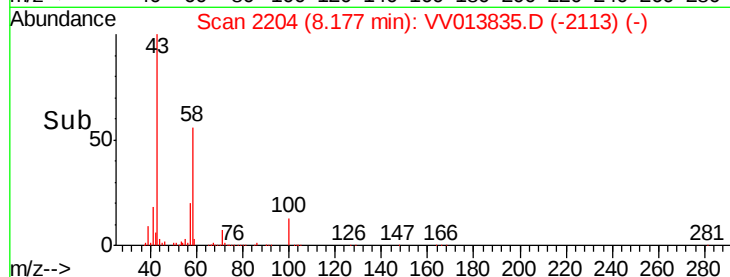
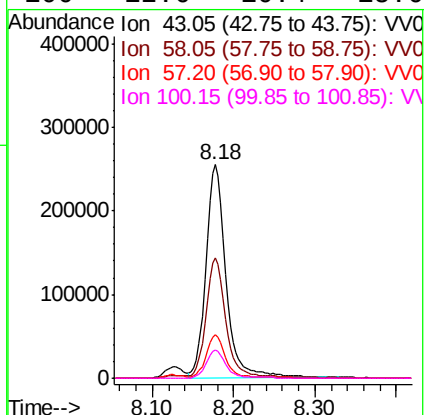
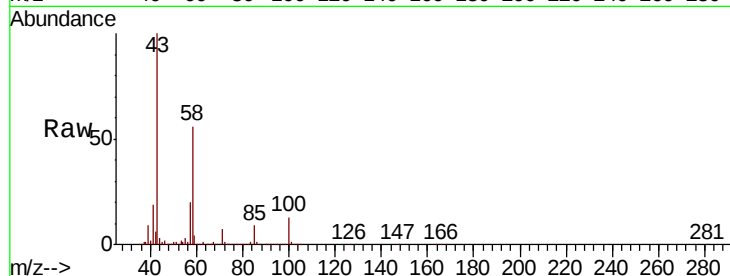




#48
2-Hexanone
Concen: 52.264 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

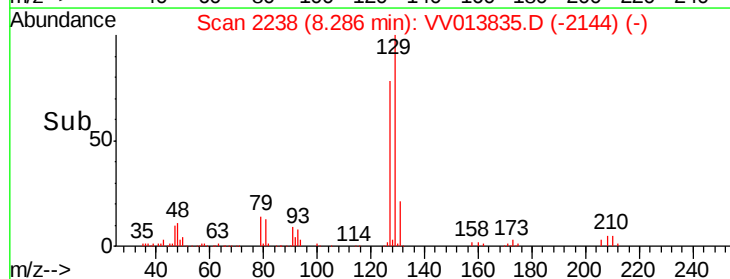
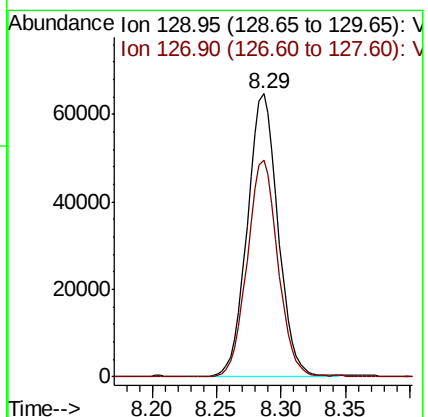
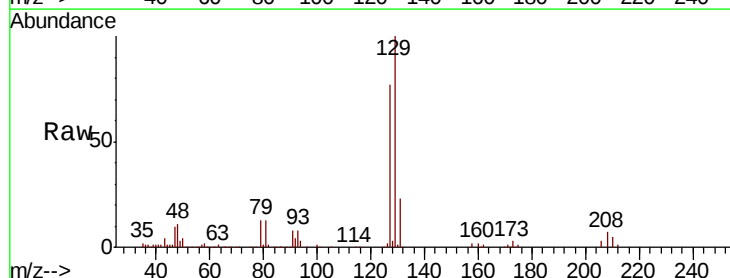
Instrument :
MSVOA_V
ClientSampleId :

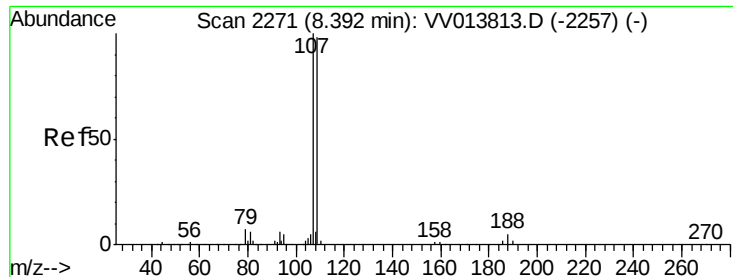
Tot Ion: 43 Resp: 439493
Ion Ratio Lower Upper
43 100
58 54.3 43.2 64.8
57 20.2 15.4 23.2
100 12.6 10.4 15.6



#49
Dibromochloromethane
Concen: 5.848 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013835.D
Acq: 27 Nov 2019 20:40

Tgt Ion: 129 Resp: 107919
Ion Ratio Lower Upper
129 100
127 76.7 55.7 103.5

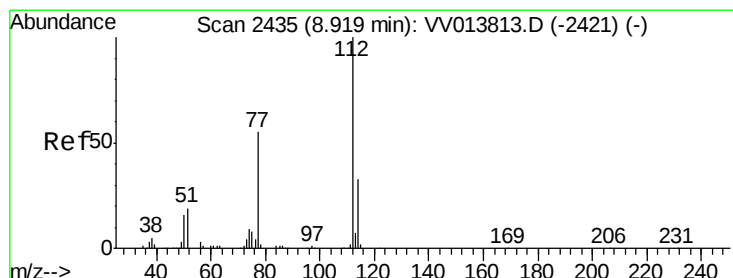
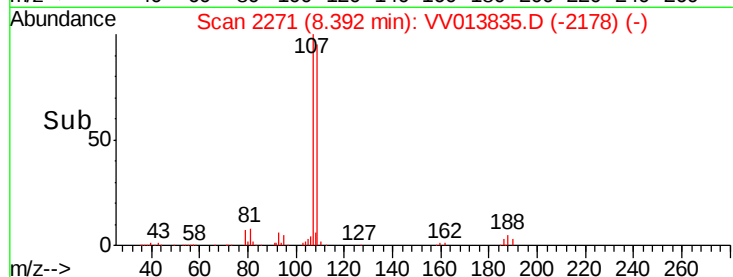
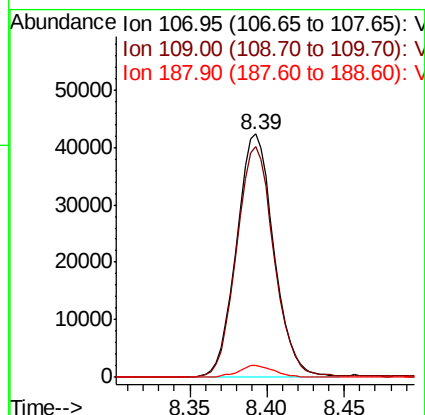
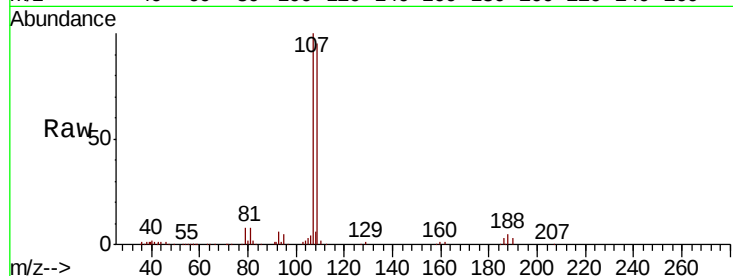




#50
 1,2-Dibromoethane
 Concen: 5.454 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

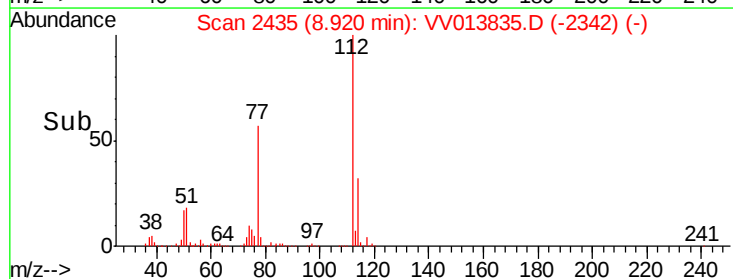
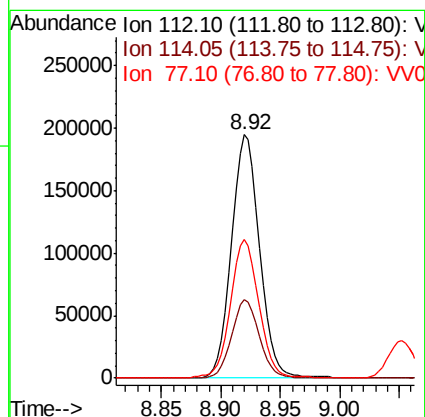
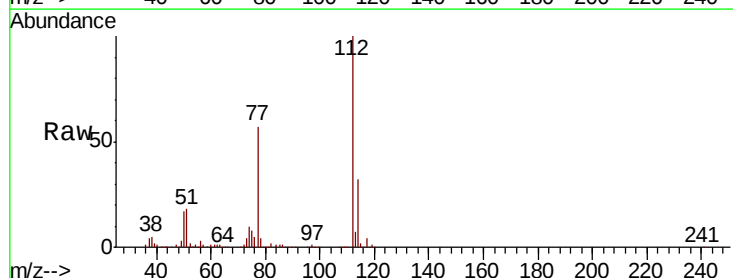
Instrument :
 MSVOA_V
 ClientSampled :

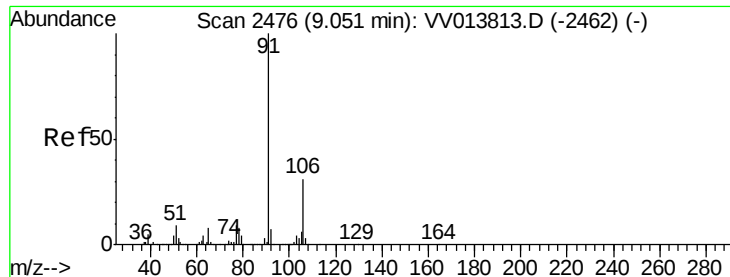
Tot Ion:107 Resp: 71071
 Ion Ratio Lower Upper
 107 100
 109 94.6 65.2 121.0
 188 5.0 4.2 6.2



#51
 Chlorobenzene
 Concen: 5.447 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion:112 Resp: 319378
 Ion Ratio Lower Upper
 112 100
 114 32.3 21.8 40.6
 77 56.9 44.2 66.4





#52

Ethylbenzene

Concen: 5.672 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

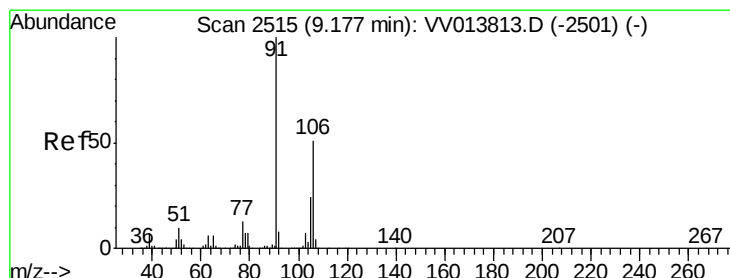
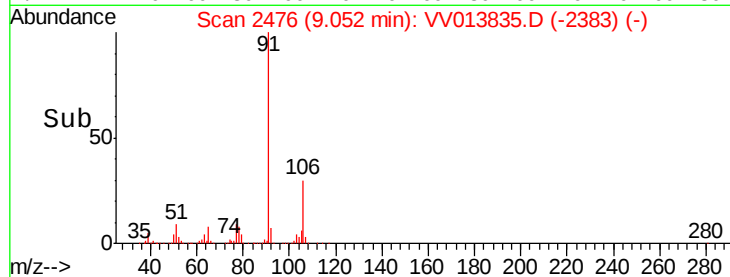
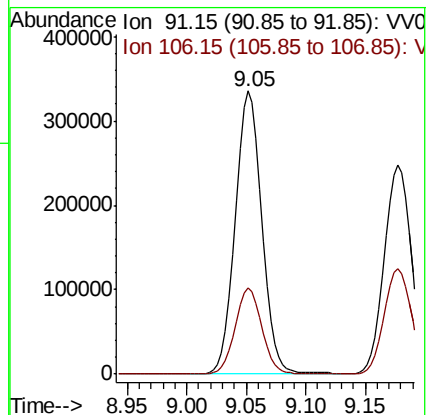
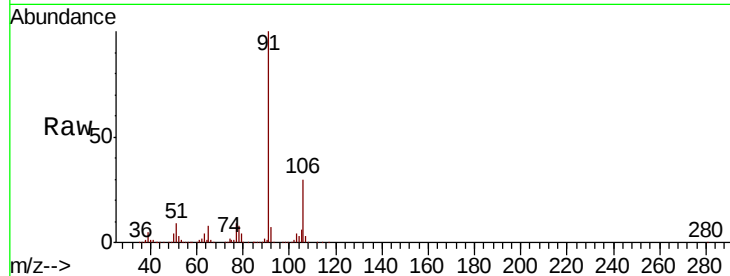
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 519247

Ion Ratio Lower Upper

91 100

106 30.3 22.1 41.1



#53

m,p-xylene

Concen: 5.774 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013835.D

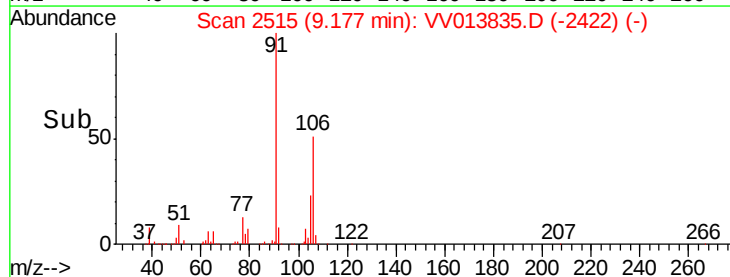
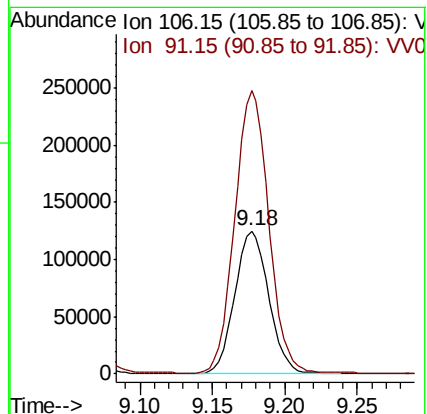
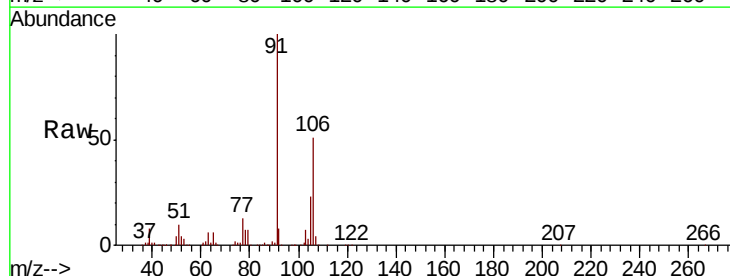
Acq: 27 Nov 2019 20:40

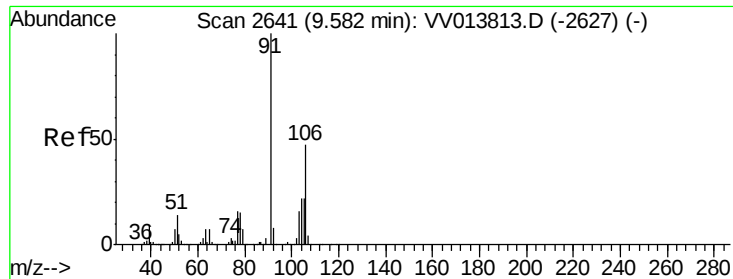
Tgt Ion: 106 Resp: 201500

Ion Ratio Lower Upper

106 100

91 197.8 139.9 259.9





#54

o-xylene

Concen: 5.727 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

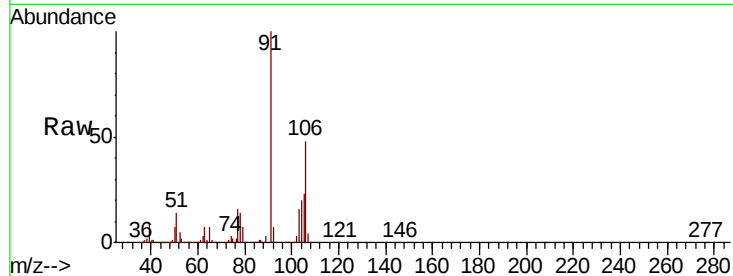
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 195107

Ion Ratio Lower Upper

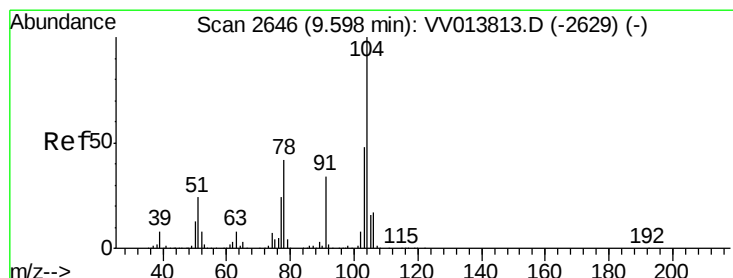
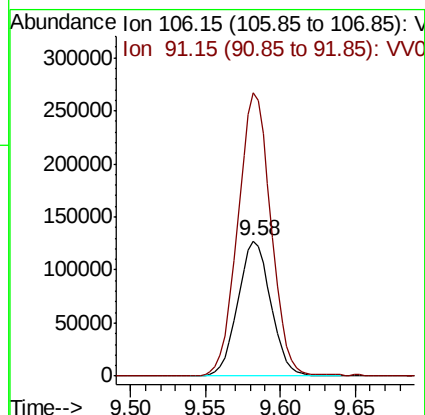
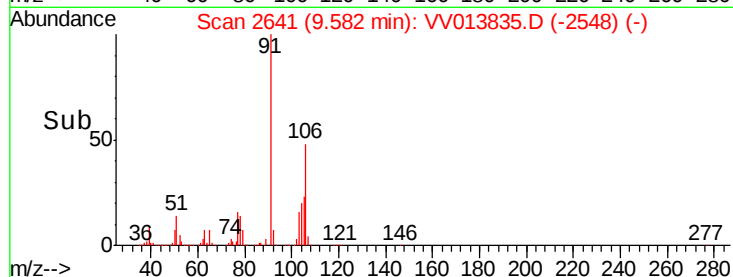
106 100

91 209.6 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.909 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013835.D

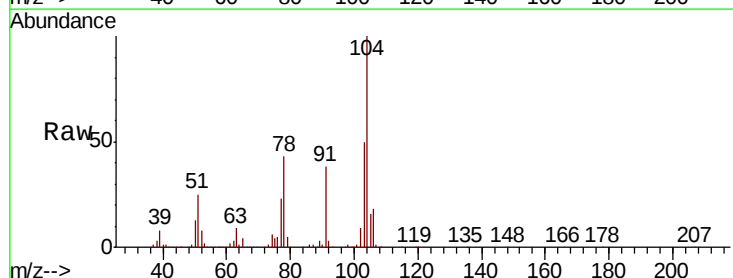
Acq: 27 Nov 2019 20:40

Tgt Ion:104 Resp: 347601

Ion Ratio Lower Upper

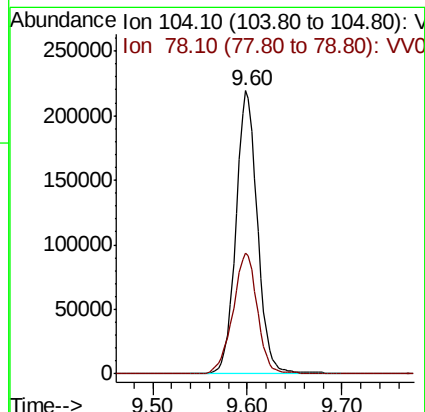
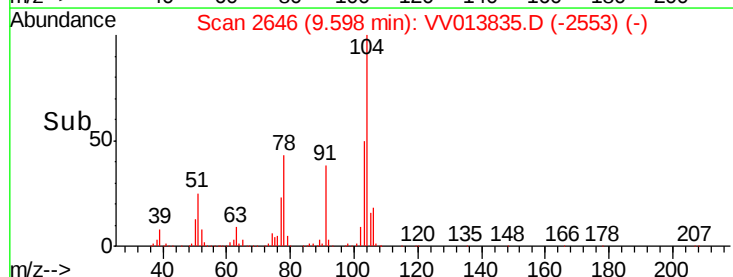
104 100

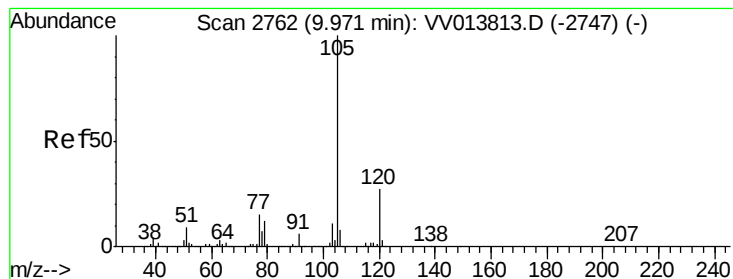
78 42.9 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.783 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

ClientSampleId :

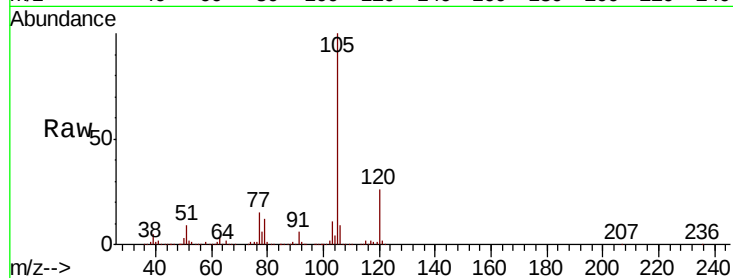
Tot Ion:105 Resp: 536946

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

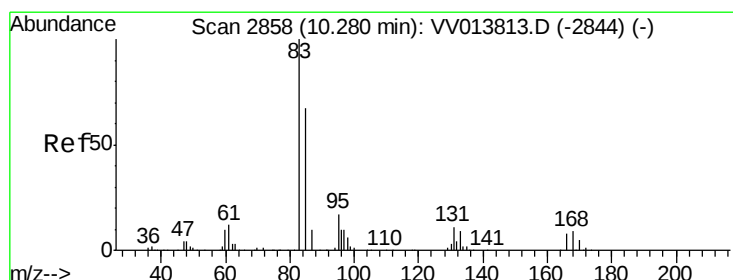
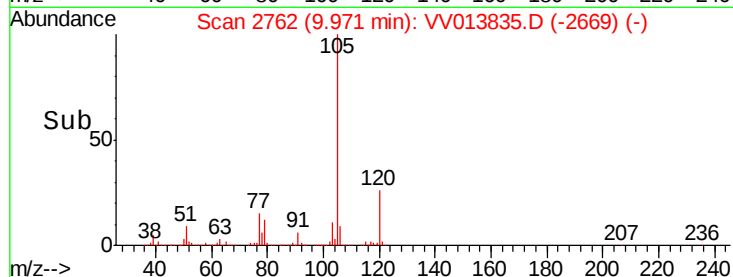
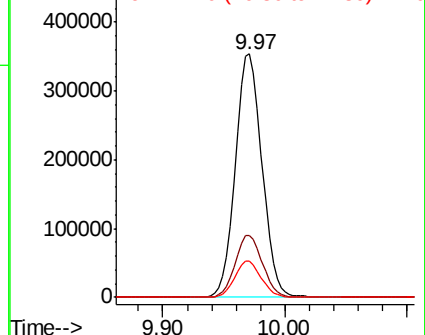
77 14.9 12.1 18.1



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: 5.901 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

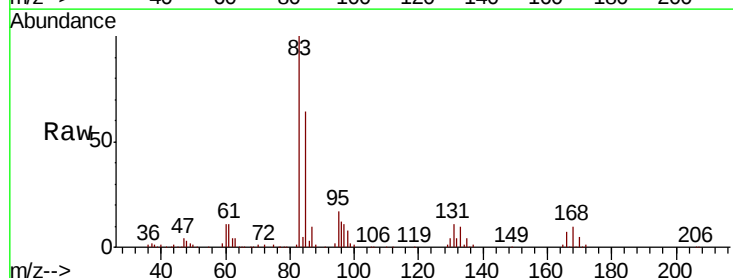
Tgt Ion: 83 Resp: 93300

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

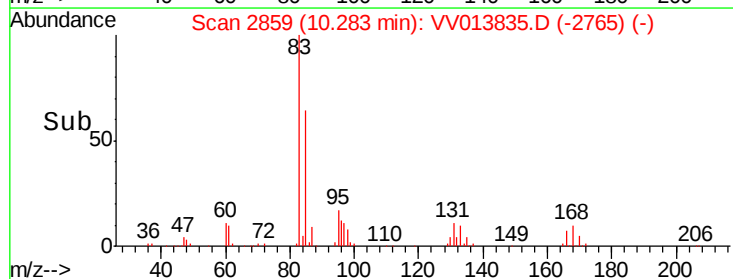
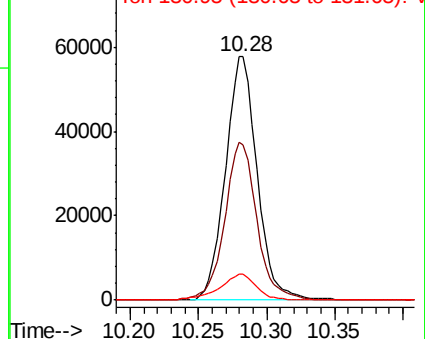
131 10.6 9.3 13.9

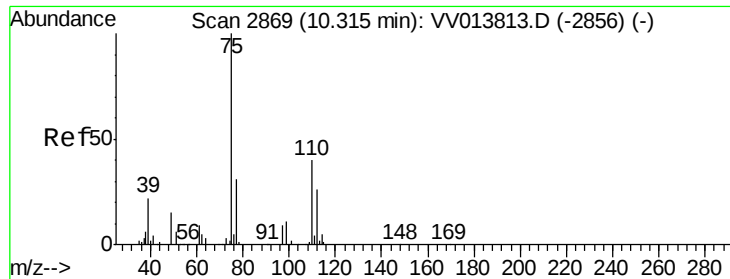


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.674 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

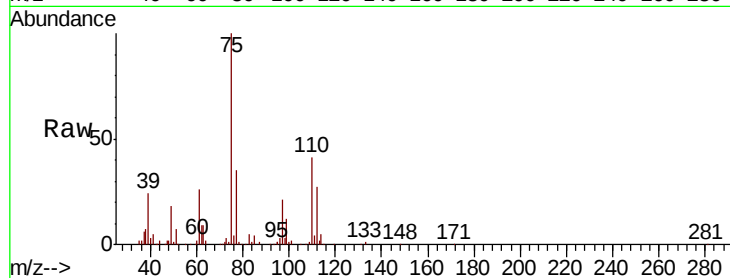
ClientSampleId :

Tot Ion: 75 Resp: 70321

Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013813.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV013813.D (-2856) (-)

10.32

50000

40000

30000

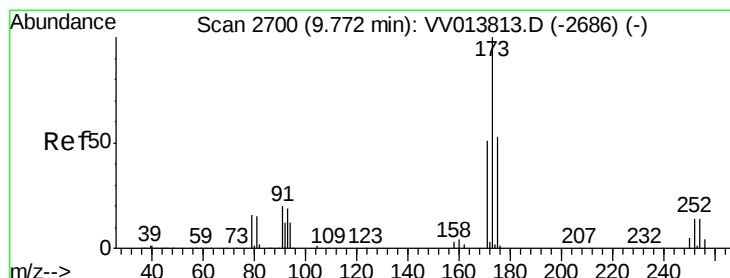
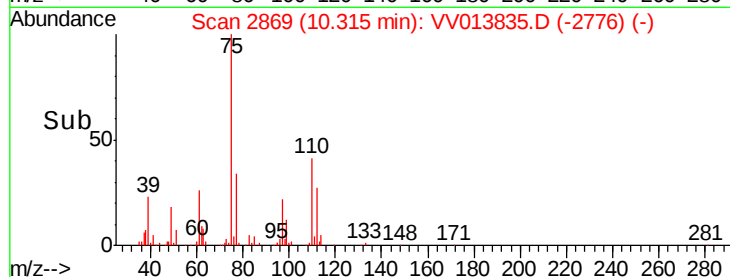
20000

10000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 5.772 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

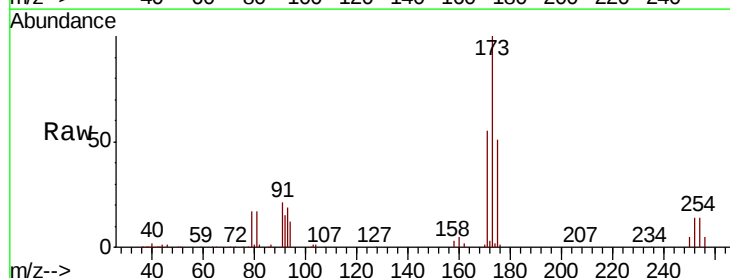
Tgt Ion: 173 Resp: 66953

Ion Ratio Lower Upper

173 100

175 50.7 39.1 58.7

254 13.5 10.4 15.6



Abundance Ion 172.90 (172.60 to 173.60): VV013813.D (-2686) (-)

Ion 174.90 (174.60 to 175.60): VV013813.D (-2686) (-)

Ion 253.75 (253.45 to 254.45): VV013813.D (-2686) (-)

9.77

50000

40000

30000

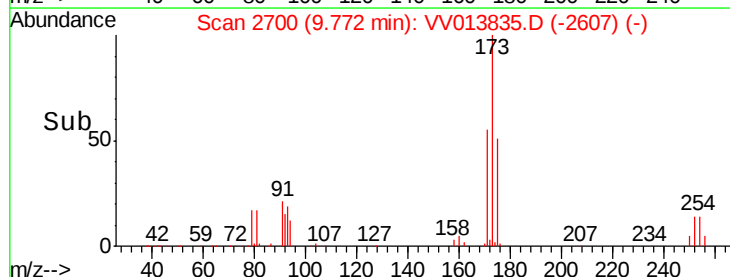
20000

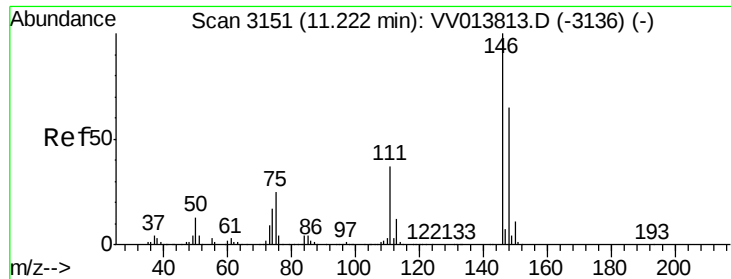
10000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.571 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

ClientSampled :

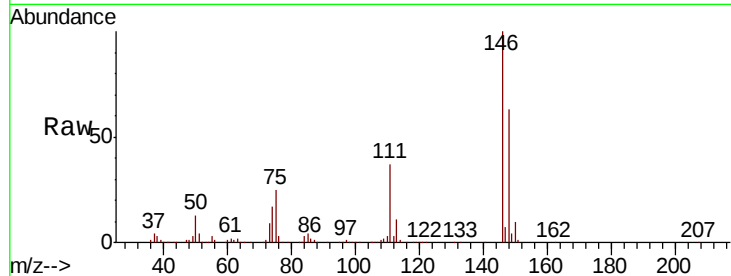
Tot Ion:146 Resp: 298278

Ion Ratio Lower Upper

146 100

111 36.9 25.6 47.6

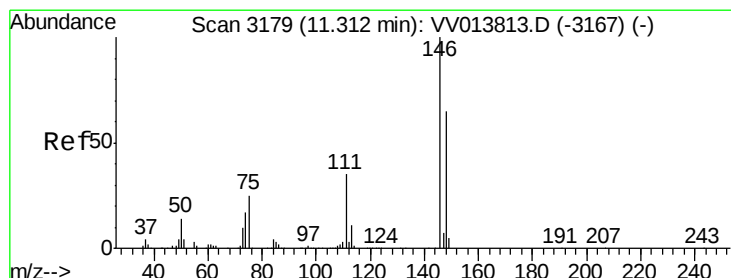
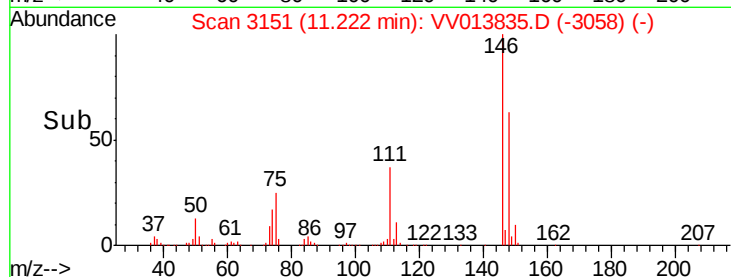
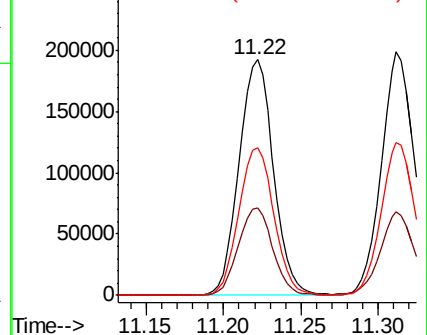
148 62.7 44.7 82.9



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: 5.482 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

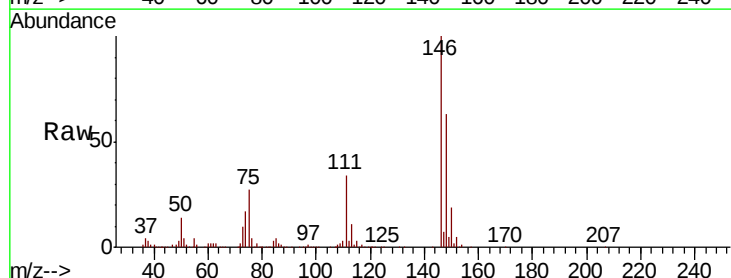
Tgt Ion:146 Resp: 298759

Ion Ratio Lower Upper

146 100

111 34.5 25.0 46.4

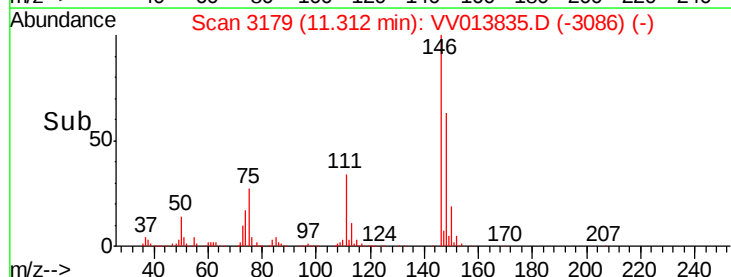
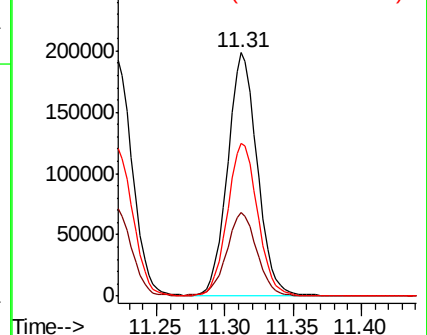
148 63.0 45.4 84.2

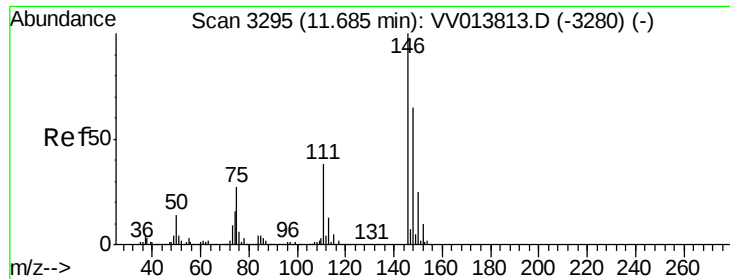


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.443 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Instrument :

MSVOA_V

ClientSampleId :

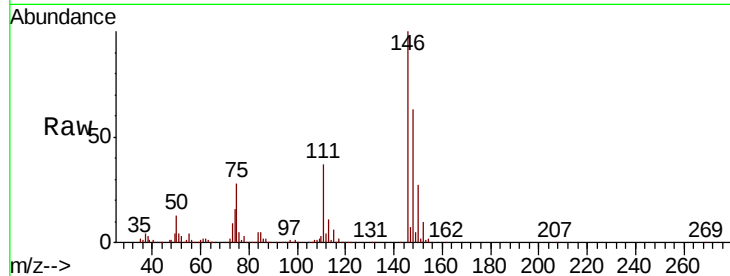
Tot Ion:146 Resp: 270465

Ion Ratio Lower Upper

146 100

111 37.3 31.3 46.9

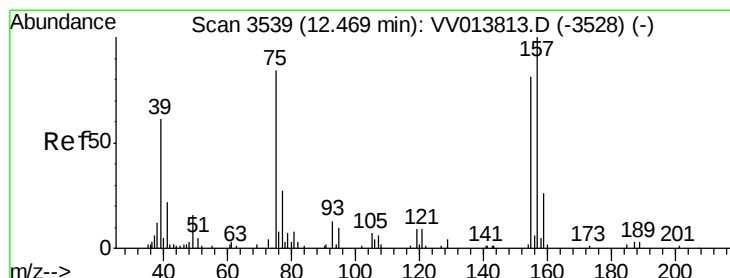
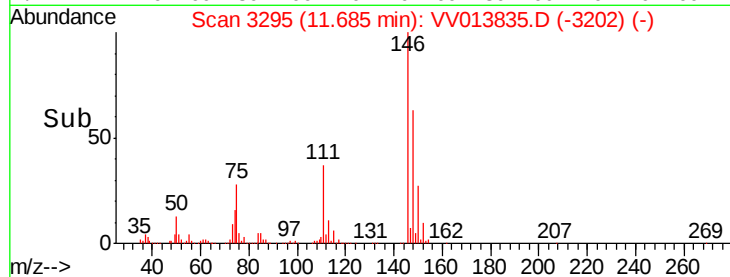
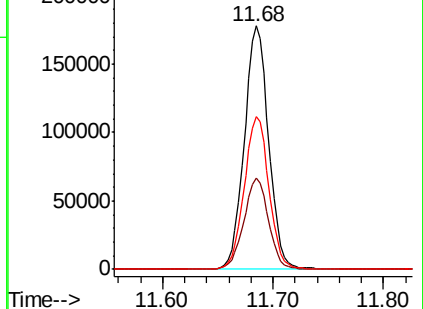
148 62.8 52.2 78.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.105 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

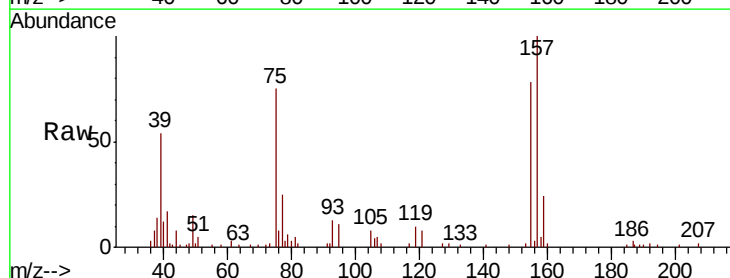
Tgt Ion: 75 Resp: 14741

Ion Ratio Lower Upper

75 100

155 104.2 73.4 110.0

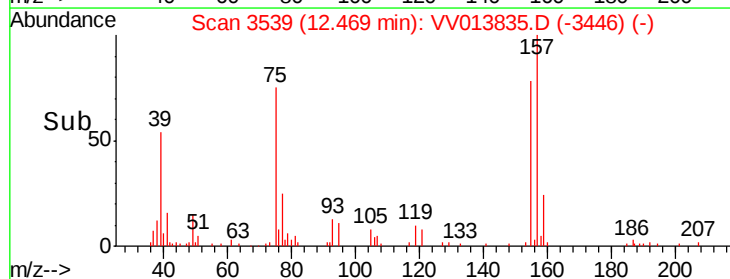
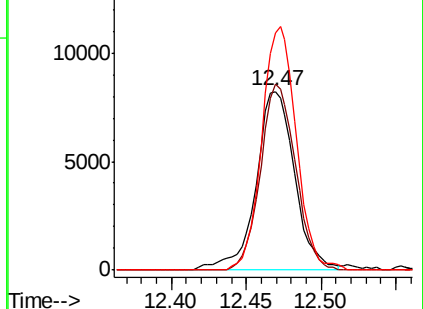
157 132.9 98.7 148.1

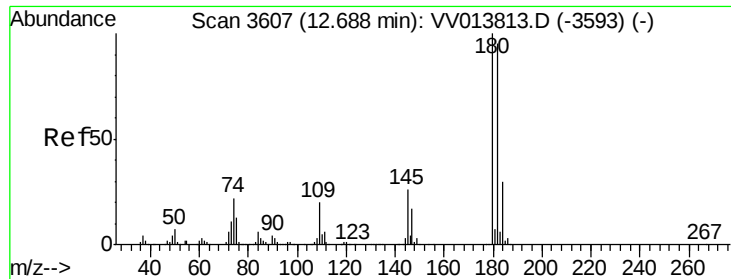


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

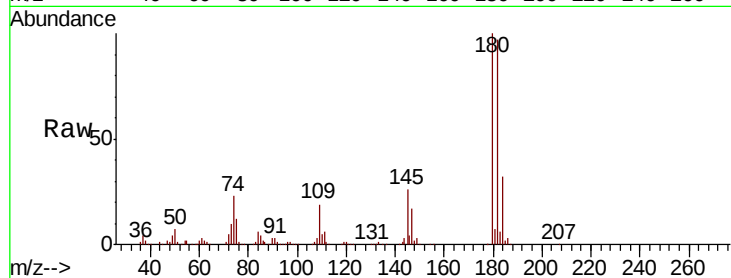




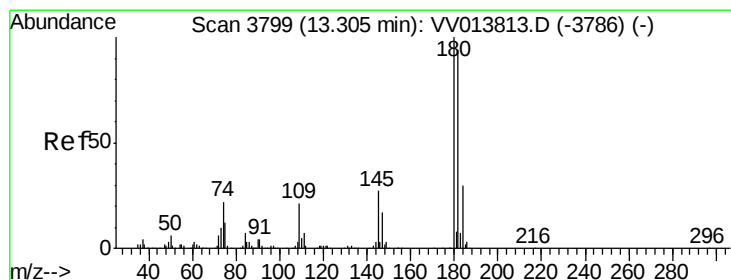
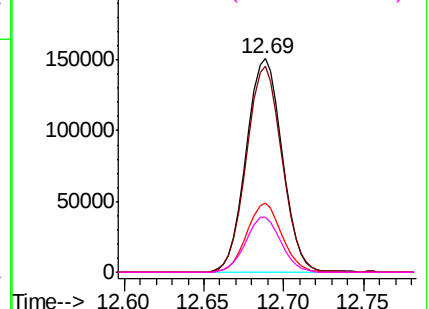
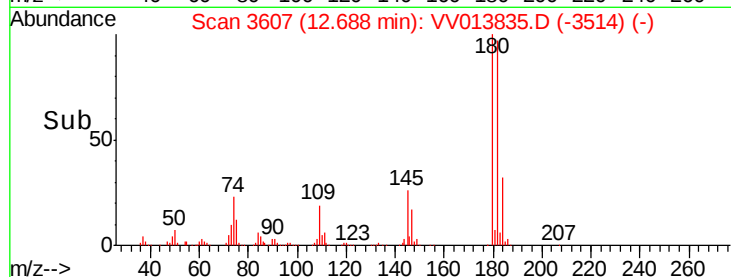
#67
 1,3,5-Trichlorobenzene
 Concen: 5.119 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	180	Resp:	231518
Ion	Ratio	Lower	Upper
180	100		
182	95.5	74.8	112.2
184	31.4	23.2	34.8
145	25.4	21.3	31.9

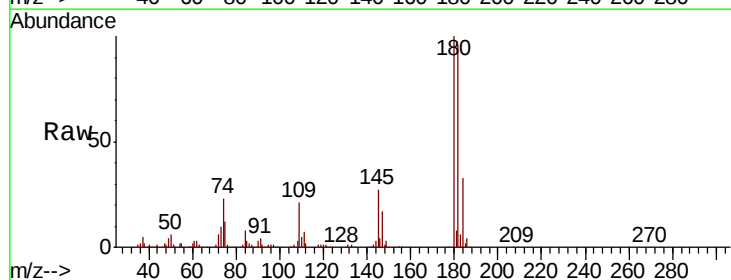


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

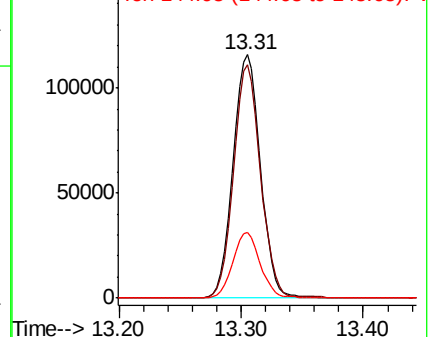
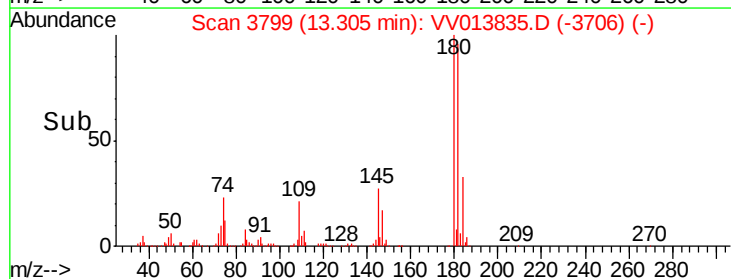


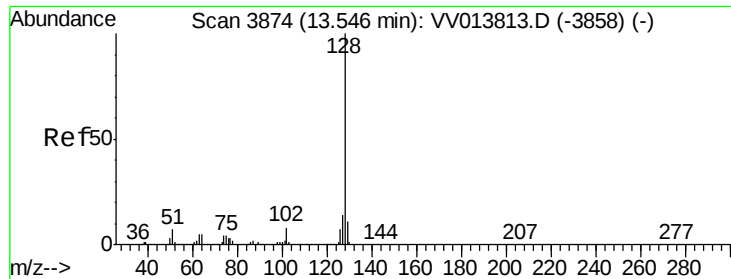
#68
 1,2,4-trichlorobenzene
 Concen: 4.910 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013835.D
 Acq: 27 Nov 2019 20:40

Tgt Ion:	180	Resp:	182133
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.2	114.4
145	27.0	21.0	31.6



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: 4.326 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

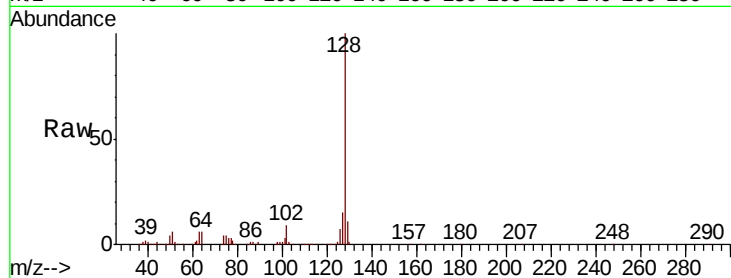
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 218467

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.6	10.6	16.0

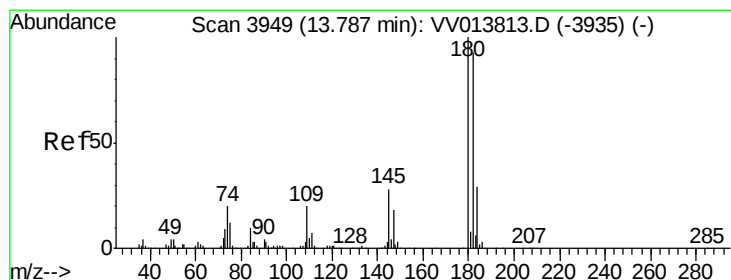
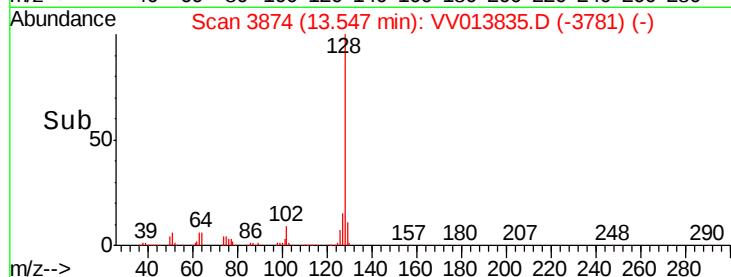
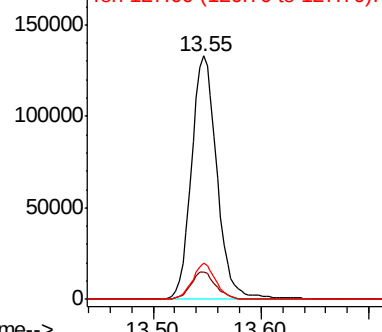


Abundance

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: 5.226 ug/L

RT: 13.79 min Scan# 3949

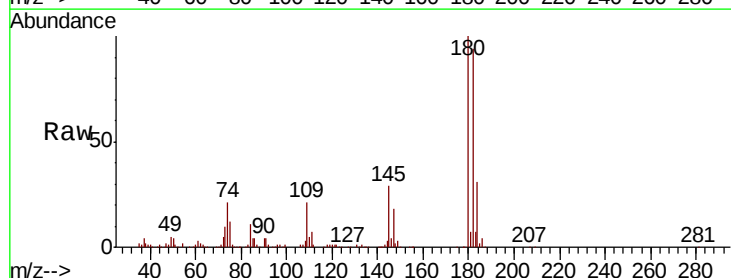
Delta R.T. 0.00 min

Lab File: VV013835.D

Acq: 27 Nov 2019 20:40

Tgt Ion:180 Resp: 176585

Ion	Ratio	Lower	Upper
180	100		
182	94.8	78.5	117.7
145	28.6	23.8	35.8



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

