

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019711.D
 Acq On : 18 Dec 2020 19:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Dec 19 05:29:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 05:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	594331	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	562444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	287861	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	182074	42.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.44%
7) Chloroethane-d5	1.57	69	151917	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.11	63	355306	44.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.84%
21) 2-Butanone-d5	3.89	46	291167	125.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.70%
24) Chloroform-d	4.35	84	363784	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.04	65	241178	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
32) Benzene-d6	5.05	84	682762	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
36) 1,2-Dichloropropane-d6	6.07	67	222657	47.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.76%
41) Toluene-d8	7.32	98	605883	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.62	79	112559	42.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.22%
47) 2-Hexanone-d5	8.09	63	208747	113.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.19%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	304184	47.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.72%
64) 1,2-Dichlorobenzene-d4	11.63	152	235892	43.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	209968	43.777	ug/L	99
3) Chloromethane	1.24	50	234046	45.907	ug/L	98
5) Vinyl chloride	1.31	62	232143	45.396	ug/L	99
6) Bromomethane	1.52	94	138642	45.145	ug/L	99
8) Chloroethane	1.59	64	147446	47.802	ug/L	98
9) Trichlorofluoromethane	1.76	101	288976	46.252	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	166741	48.325	ug/L	99
13) Acetone	2.19	43	199557	101.123	ug/L	98
14) Carbon disulfide	2.30	76	478713	41.148	ug/L	100
15) Methyl Acetate	2.44	43	215681	50.164	ug/L	98
16) Methylene chloride	2.51	84	196592	47.357	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	176760	45.547	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	626905	46.230	ug/L	99
19) 1,1-Dichloroethane	3.19	63	358369	47.631	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	198288	46.479	ug/L	# 97
22) 2-Butanone	3.98	43	295923	102.229	ug/L	100
23) Bromochloromethane	4.25	128	98656	47.000	ug/L	98

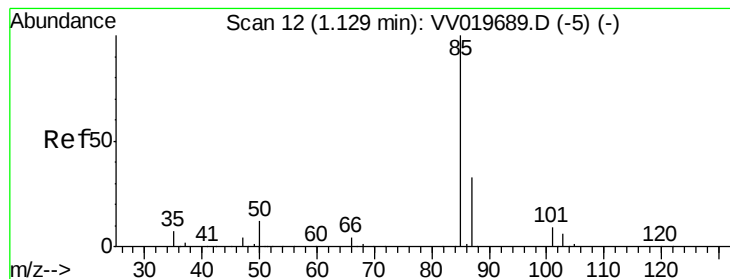
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 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 05:26:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	358907	47.764	ug/L	97
27) 1,2-Dichloroethane	5.13	62	294341	47.282	ug/L	100
29) Cyclohexane	4.68	56	312188	45.288	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	310051	43.964	ug/L	99
31) Carbon tetrachloride	4.83	117	251944	42.319	ug/L	98
33) Benzene	5.10	78	761939	46.353	ug/L	100
34) Trichloroethene	5.92	95	196588	45.273	ug/L	99
35) Methylcyclohexane	6.14	83	309572	46.928	ug/L	99
37) 1,2-Dichloropropane	6.18	63	205161	47.793	ug/L	100
38) Bromodichloromethane	6.51	83	268969	44.808	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	323760	45.411	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	593299	95.799	ug/L	98
42) Toluene	7.39	91	791365	45.678	ug/L	99
44) trans-1,3-Dichloropropene	7.65	75	313803	43.468	ug/L	100
45) 1,1,2-Trichloroethane	7.84	97	190217	46.662	ug/L	99
46) Tetrachloroethene	7.98	164	131692	43.830	ug/L	98
48) 2-Hexanone	8.14	43	455773	96.988	ug/L	98
49) Dibromochloromethane	8.25	129	196498	44.015	ug/L	99
50) 1,2-Dibromoethane	8.35	107	198927	46.340	ug/L	99
51) Chlorobenzene	8.88	112	509053	46.005	ug/L	100
52) Ethylbenzene	9.02	91	896149	45.400	ug/L	99
53) m,p-Xylene	9.14	106	325735	44.171	ug/L	99
54) o-xylene	9.55	106	325756	45.068	ug/L	100
55) Styrene	9.56	104	574733	45.622	ug/L	99
56) Isopropylbenzene	9.94	105	872657	45.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	306498	46.754	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	255405	47.833	ug/L	99
61) Bromoform	9.74	173	125972	39.550	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	382953	43.360	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	392339	43.870	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	388103	44.471	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	72728	39.923	ug/L	91
67) 1,3,5-Trichlorobenzene	12.65	180	278053	44.560	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	256859	44.025	ug/L	99
69) Naphthalene	13.51	128	845186	41.720	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	252238	44.240	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 43.777 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

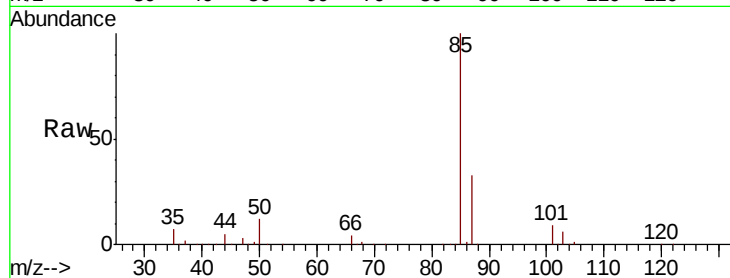
VSTD05095

Tot Ion: 85 Resp: 209968

Ion Ratio Lower Upper

85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.13

200000

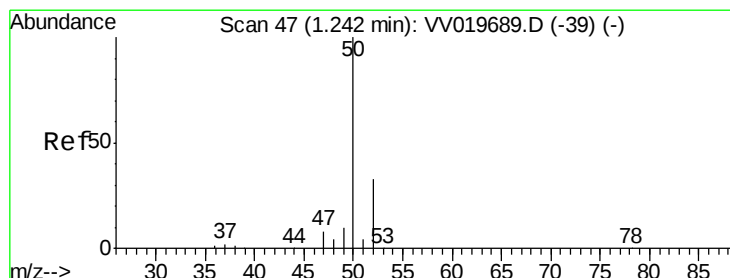
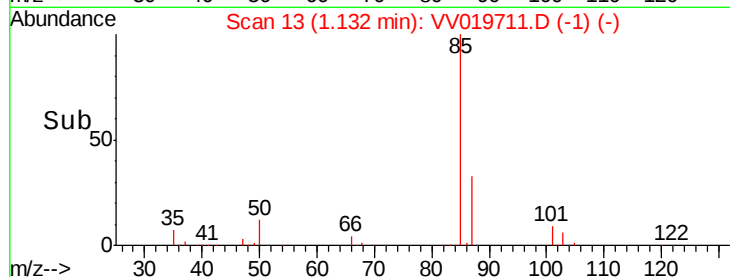
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.907 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019711.D

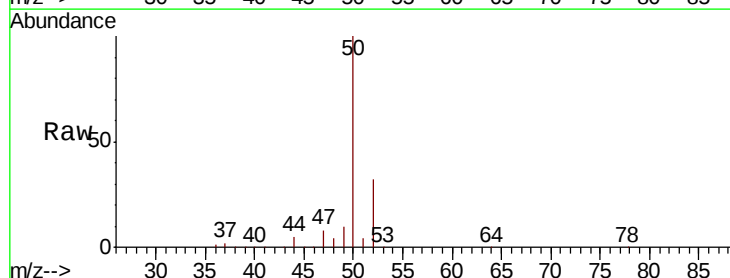
Acq: 18 Dec 2020 19:52

Tgt Ion: 50 Resp: 234046

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.24

250000

200000

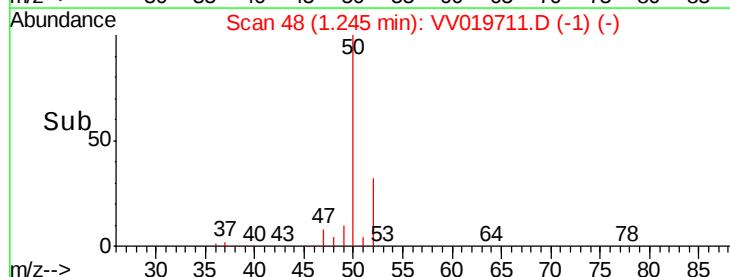
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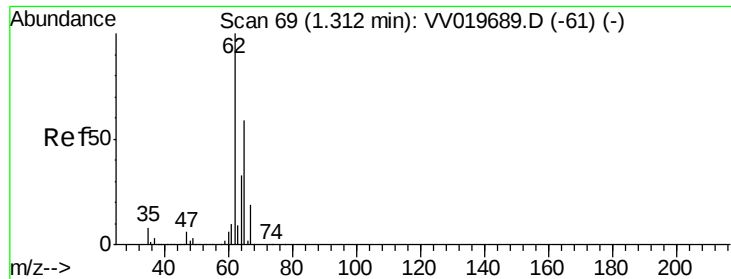
100000

50000

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Time-->





#5

Vinyl chloride

Concen: 45.396 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

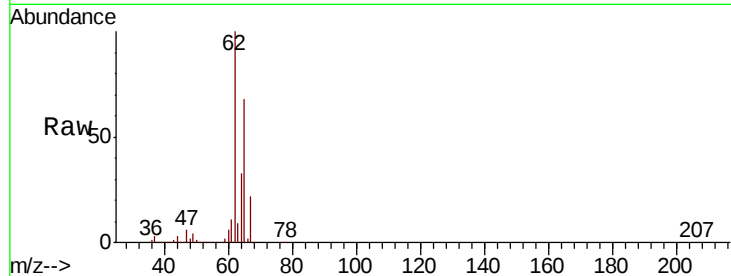
VSTD05095

Tot Ion: 62 Resp: 232143

Ion Ratio Lower Upper

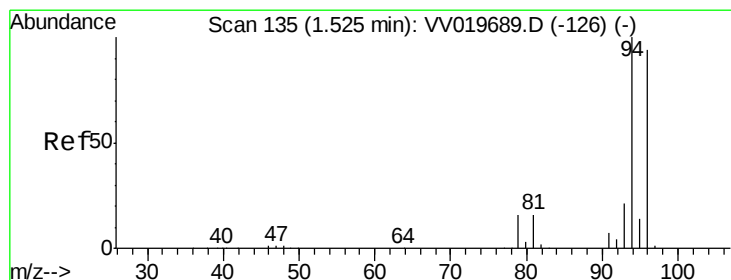
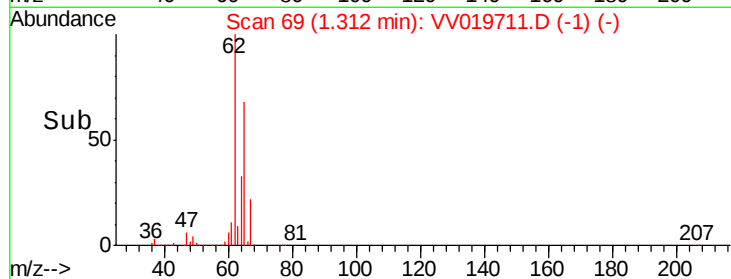
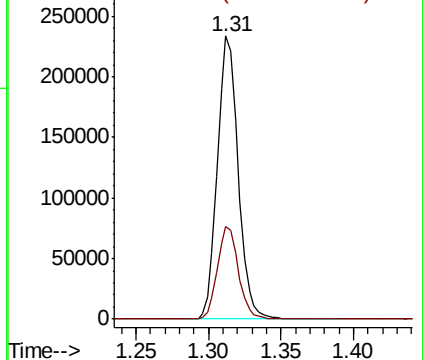
62 100

64 32.9 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 45.145 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019711.D

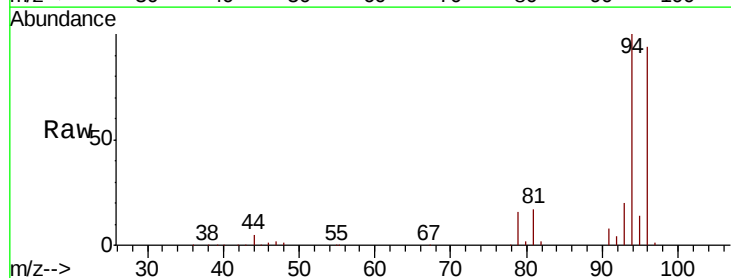
Acq: 18 Dec 2020 19:52

Tgt Ion: 94 Resp: 138642

Ion Ratio Lower Upper

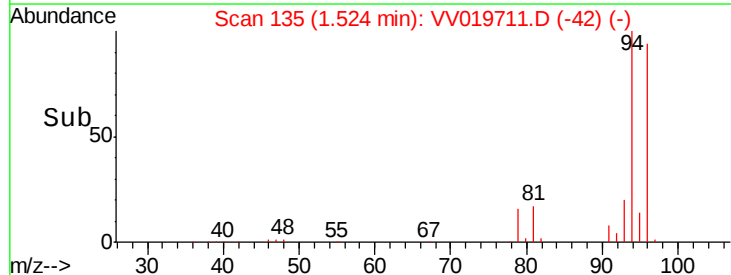
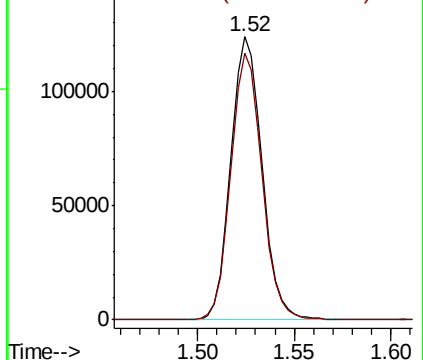
94 100

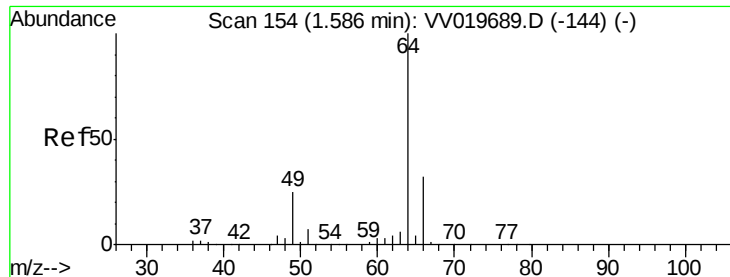
96 94.5 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 47.802 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

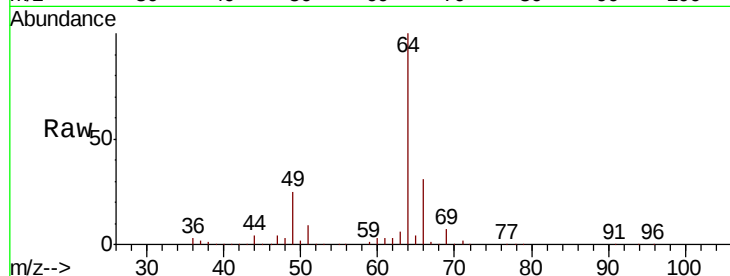
VSTD05095

Tot Ion: 64 Resp: 147446

Ion Ratio Lower Upper

64 100

66 31.0 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019689.D (-144) (-)

Ion 66.00 (65.70 to 66.70): VV019689.D (-144) (-)

1.59

150000

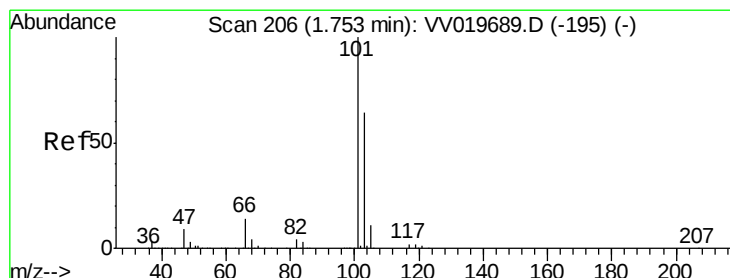
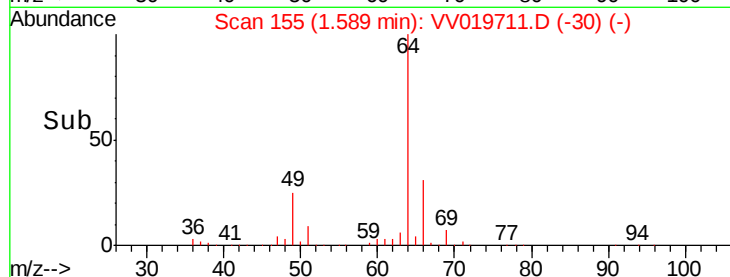
100000

50000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 46.252 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019711.D

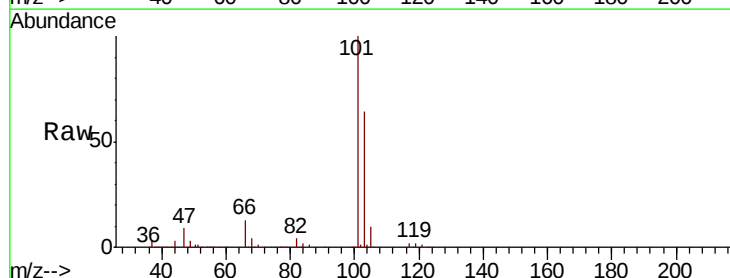
Acq: 18 Dec 2020 19:52

Tgt Ion: 101 Resp: 288976

Ion Ratio Lower Upper

101 100

103 64.4 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019689.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV019689.D (-195) (-)

1.76

250000

200000

150000

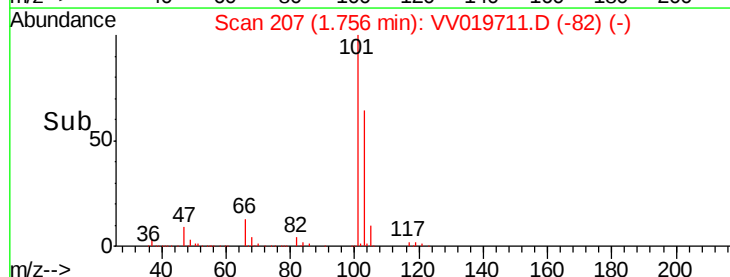
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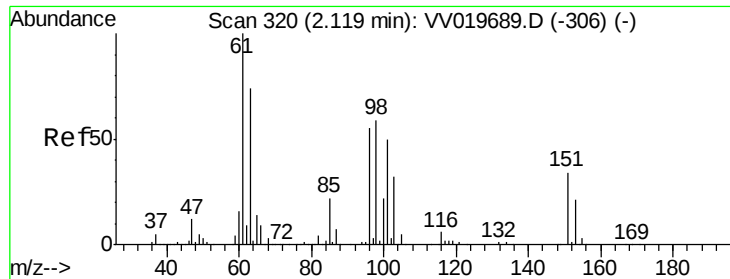
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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 48.325 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampled :

VSTD05095

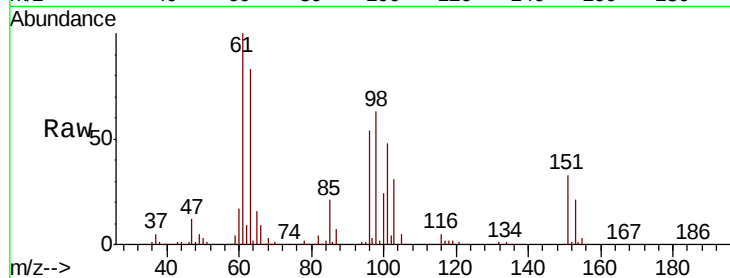
Tot Ion:101 Resp: 166741

Ion Ratio Lower Upper

101 100

85 44.5 35.0 52.4

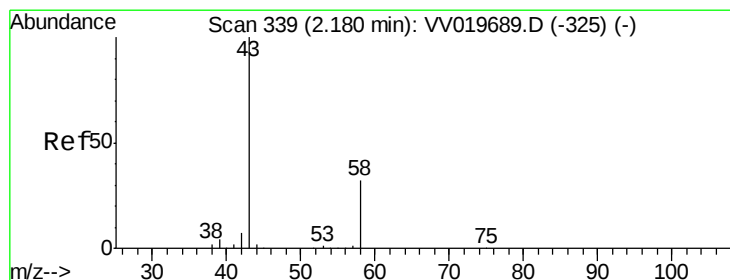
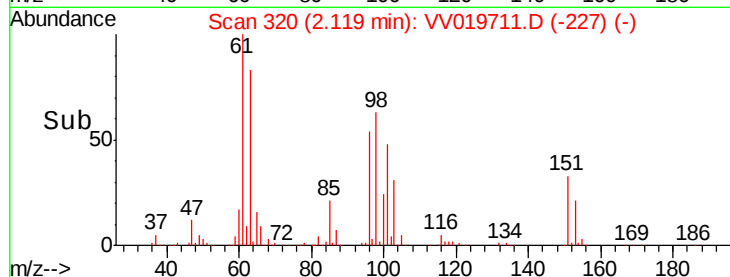
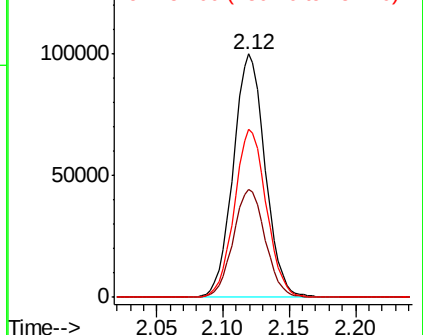
151 69.4 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019711.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019711.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019711.D (-227) (-)



#13

Acetone

Concen: 101.123 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.01 min

Lab File: VV019711.D

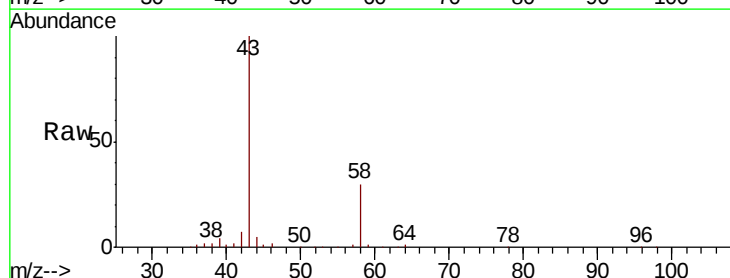
Acq: 18 Dec 2020 19:52

Tgt Ion: 43 Resp: 199557

Ion Ratio Lower Upper

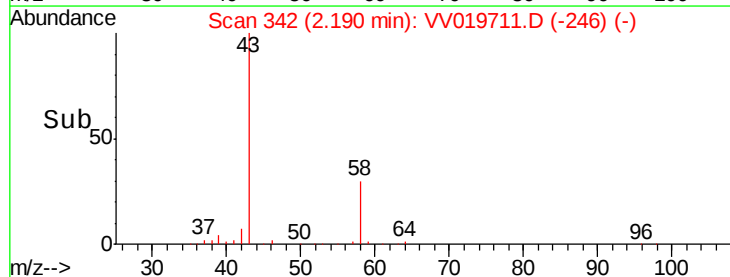
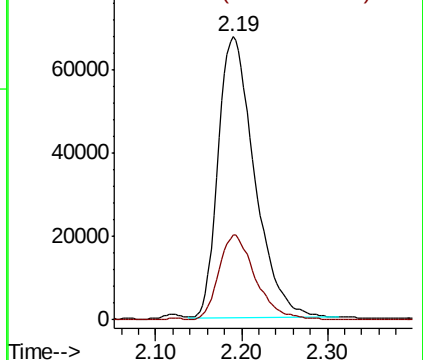
43 100

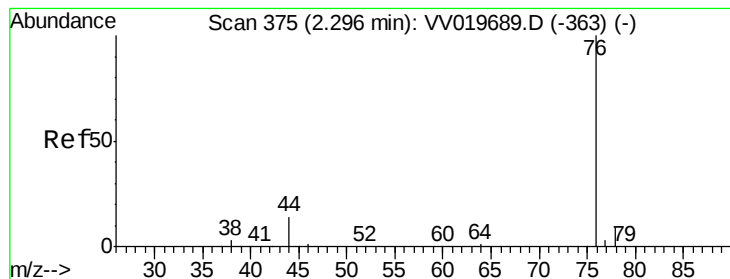
58 29.7 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019711.D (-246) (-)

Ion 58.00 (57.70 to 58.70): VV019711.D (-246) (-)





#14

Carbon disulfide

Concen: 41.148 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

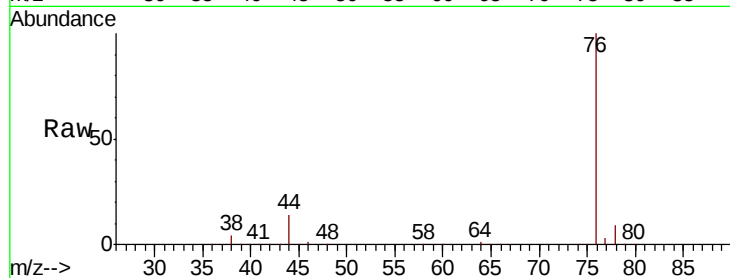
VSTD05095

Tot Ion: 76 Resp: 478713

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.30

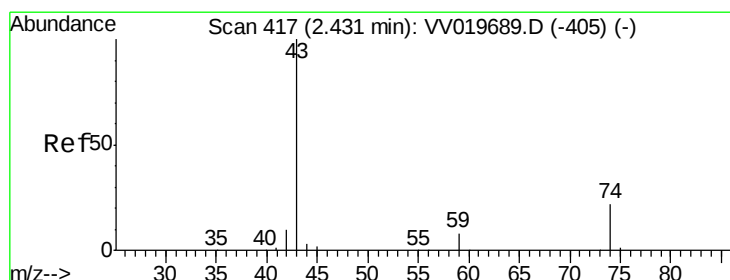
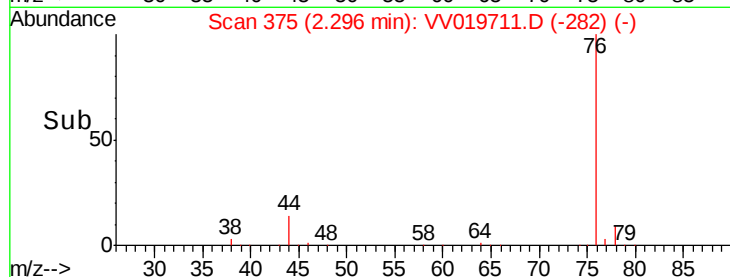
300000

200000

100000

0

Time--> 2.20 2.30 2.40



#15

Methyl Acetate

Concen: 50.164 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.01 min

Lab File: VV019711.D

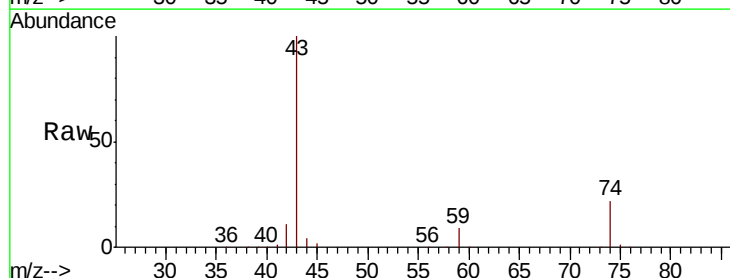
Acq: 18 Dec 2020 19:52

Tgt Ion: 43 Resp: 215681

Ion Ratio Lower Upper

43 100

74 21.9 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

120000

100000

80000

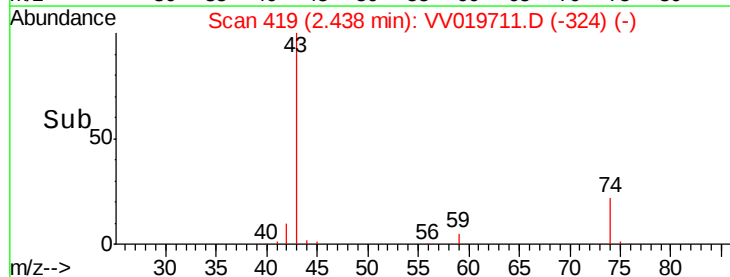
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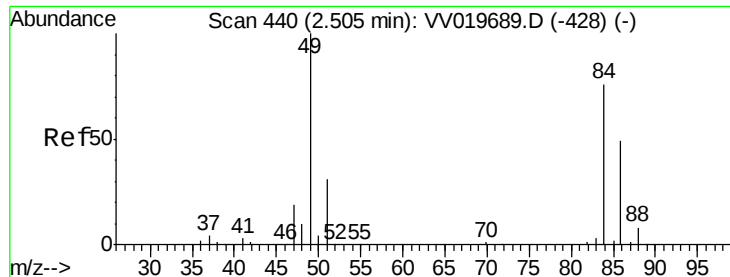
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Time--> 2.40 2.50 2.60

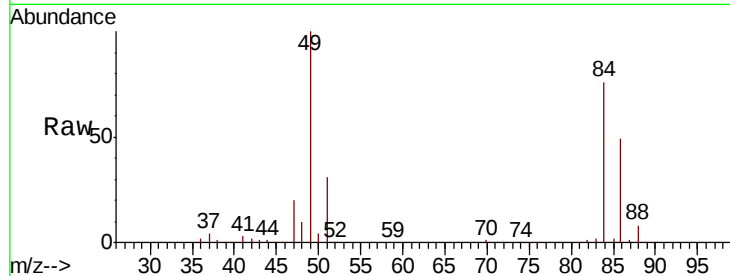




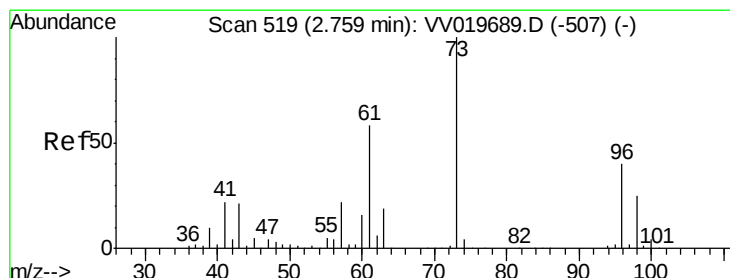
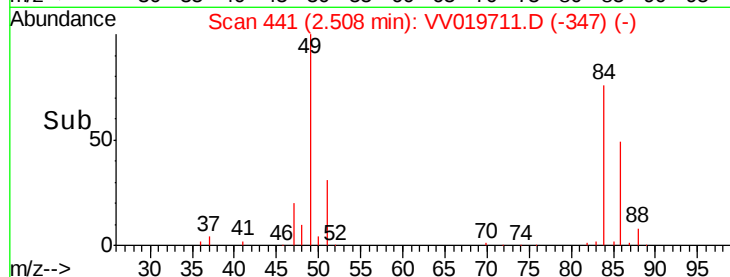
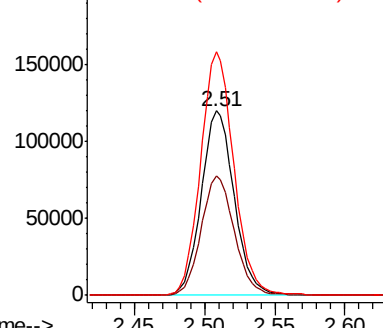
#16
Methvlene chloride
Concen: 47.357 ug/L
RT: 2.51 min Scan# 441
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 84 Resp: 196592
Ion Ratio Lower Upper
84 100
86 64.6 45.7 84.9
49 132.0 90.6 168.3

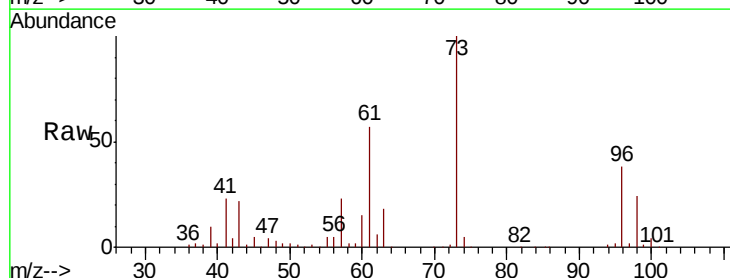


Abundance Ion 84.00 (83.70 to 84.70): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.00 (48.70 to 49.70): VV0

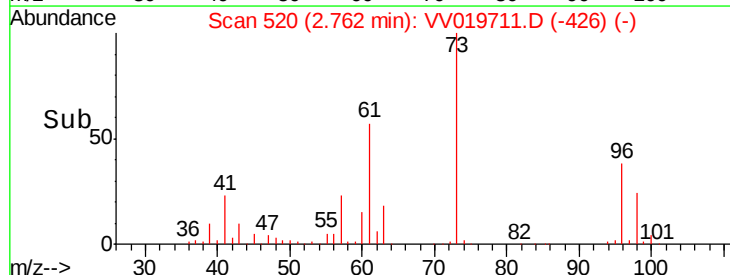
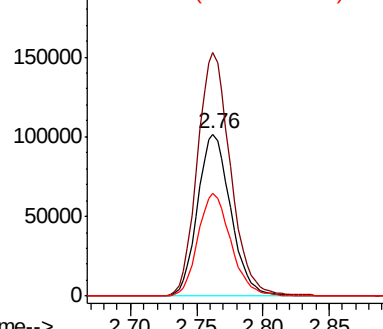


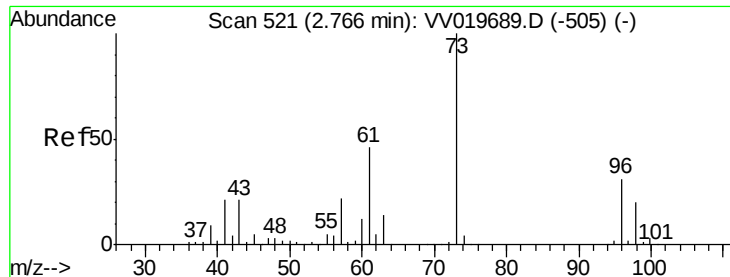
#17
trans-1,2-Dichloroethene
Concen: 45.547 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion: 96 Resp: 176760
Ion Ratio Lower Upper
96 100
61 150.4 103.5 192.1
98 63.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

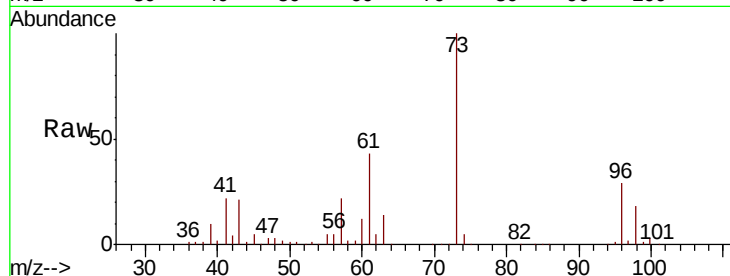




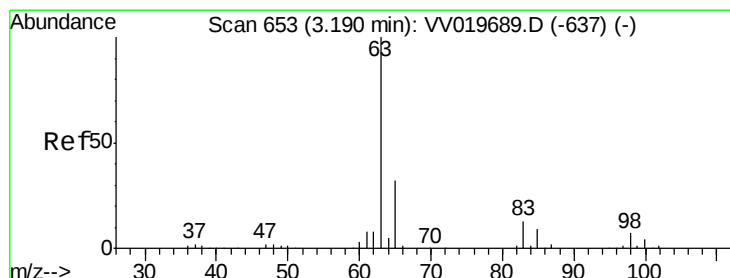
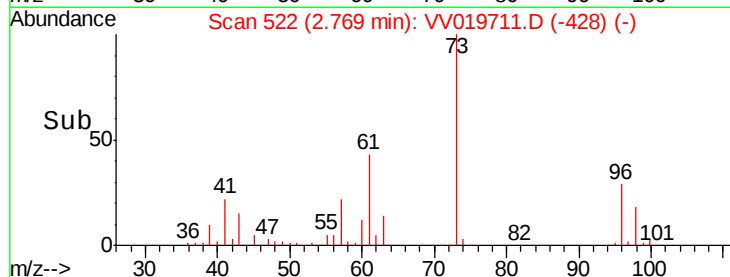
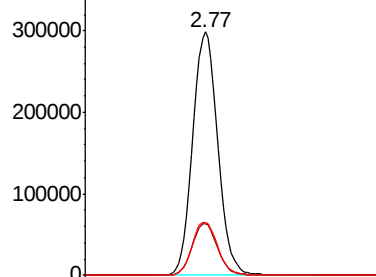
#18
Methvl tert-butvl Ether
Concen: 46.230 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 73 Resp: 626905
Ion Ratio Lower Upper
73 100
43 21.2 17.3 25.9
57 22.2 17.5 26.3

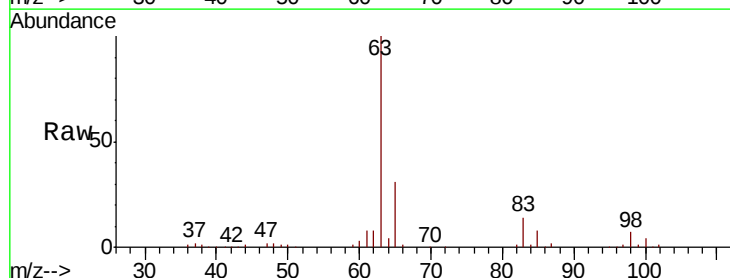


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

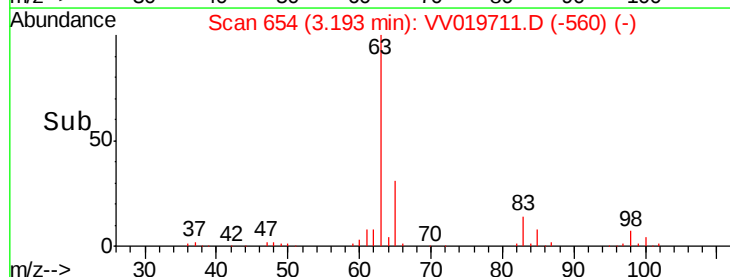
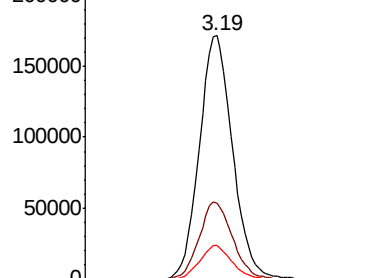


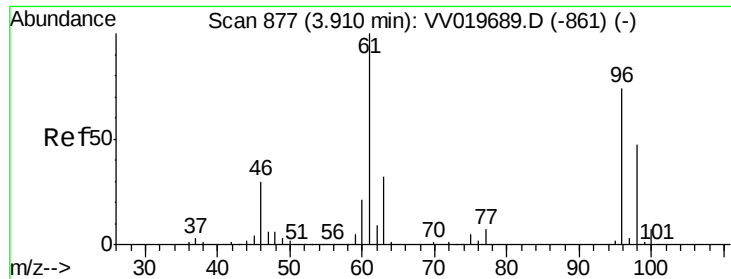
#19
1,1-Dichloroethane
Concen: 47.631 ug/L
RT: 3.19 min Scan# 654
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion: 63 Resp: 358369
Ion Ratio Lower Upper
63 100
65 31.4 22.4 41.6
83 13.7 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0

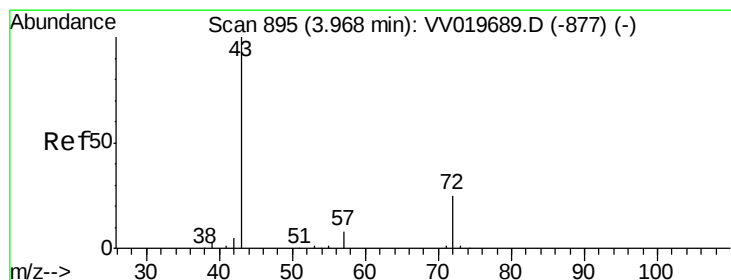
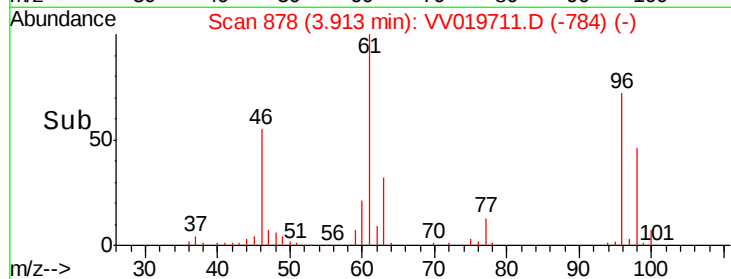
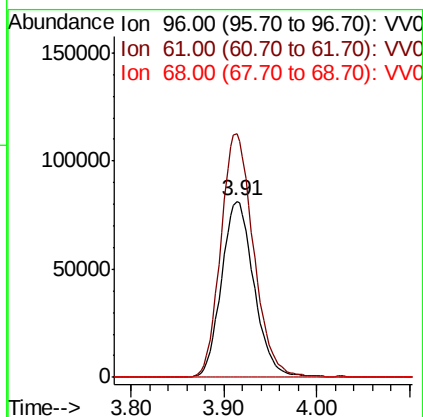
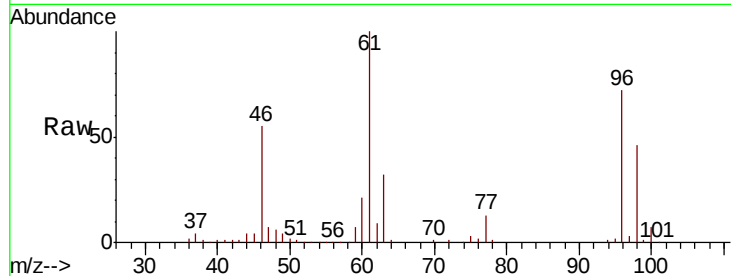




#20
 cis-1,2-Dichloroethene
 Concen: 46.479 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. 0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

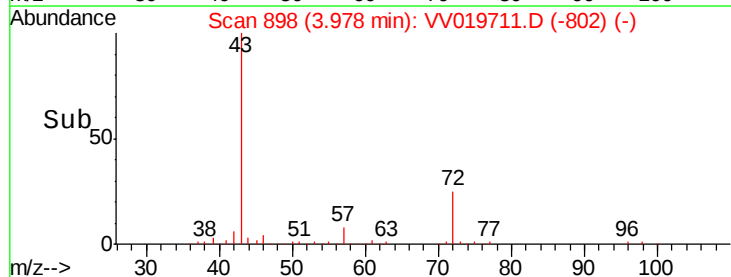
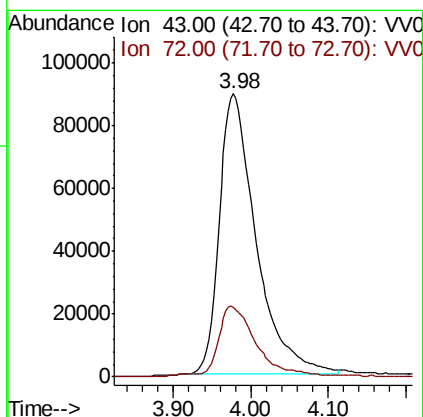
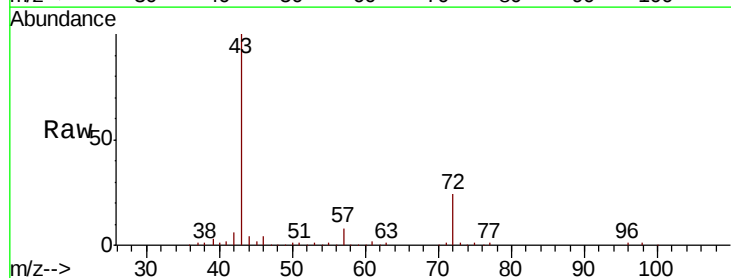
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

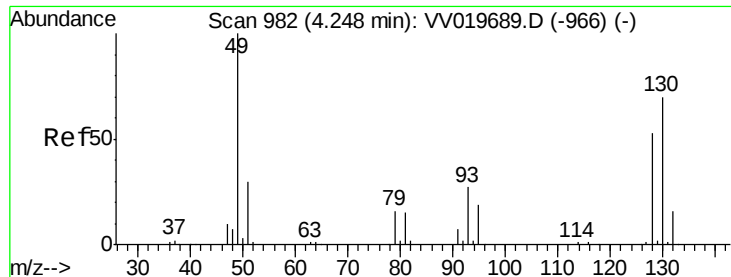
Tot Ion: 96 Resp: 198288
 Ion Ratio Lower Upper
 96 100
 61 138.1 94.1 174.8
 68 0.0 0.1 0.1#



#22
 2-Butanone
 Concen: 102.229 ug/L
 RT: 3.98 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Tgt Ion: 43 Resp: 295923
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.3 36.9

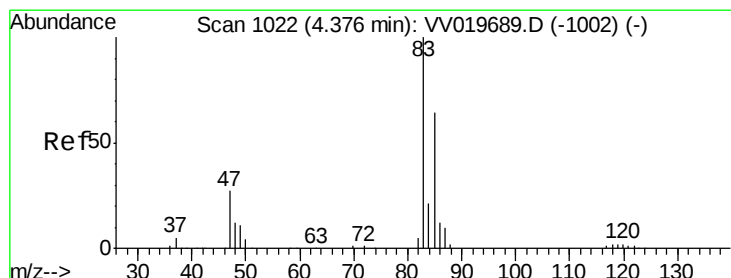
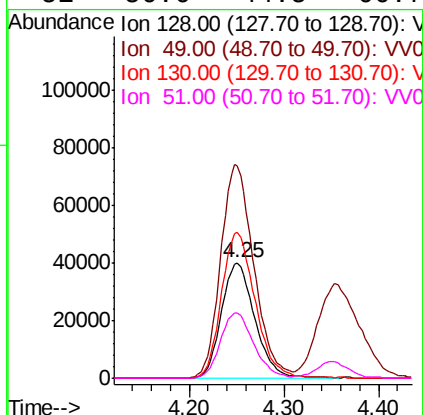
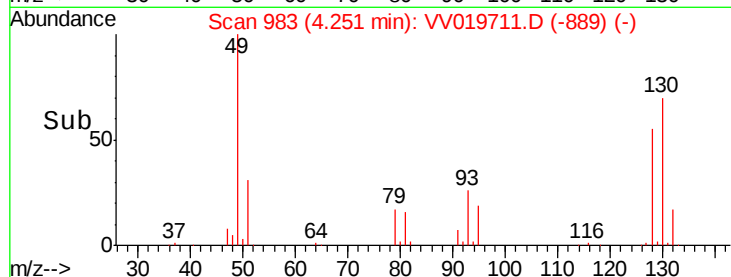
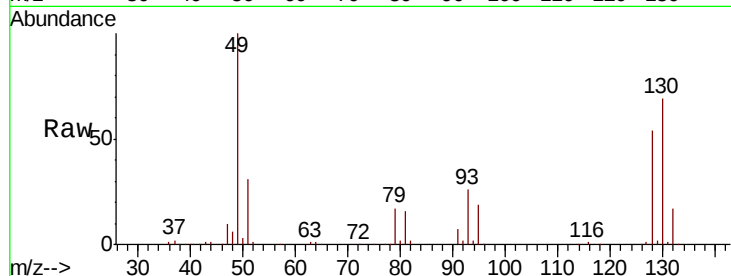




#23
 Bromochloromethane
 Concen: 47.000 ug/L
 RT: 4.25 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

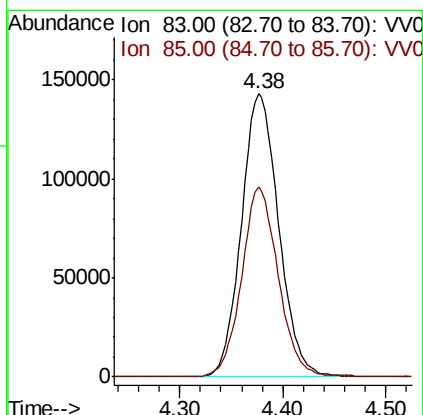
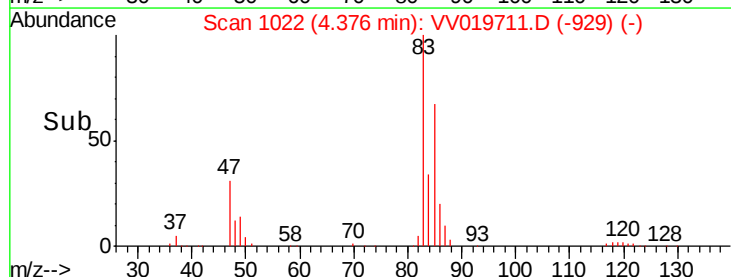
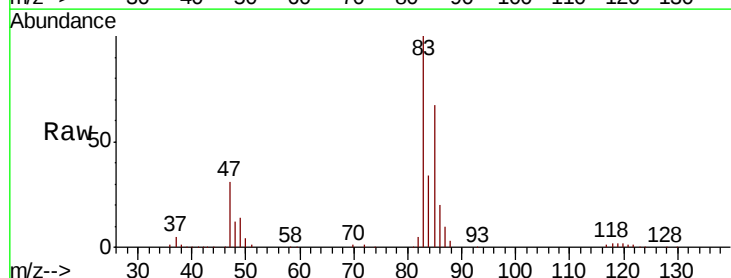
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

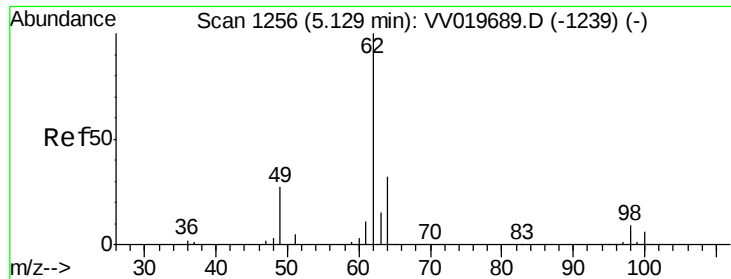
Tot Ion:	128	Resp:	98656
Ion	Ratio	Lower	Upper
128	100		
49	184.3	127.0	235.8
130	126.9	90.3	167.7
51	56.6	44.5	66.7



#25
 Chloroform
 Concen: 47.764 ug/L
 RT: 4.38 min Scan# 1022
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Tgt Ion:	83	Resp:	358907
Ion	Ratio	Lower	Upper
83	100		
85	67.3	45.6	84.6

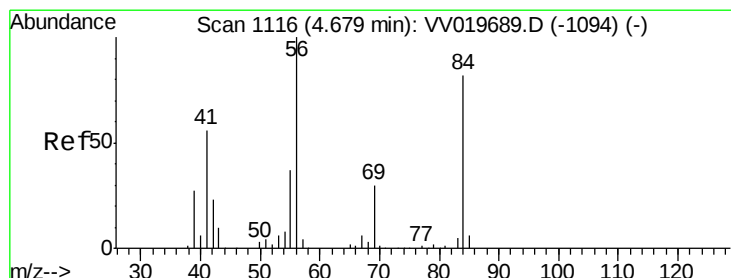
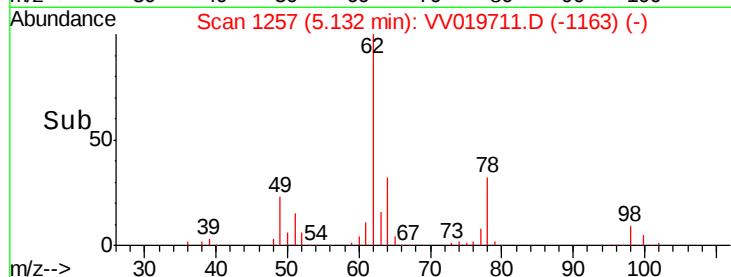
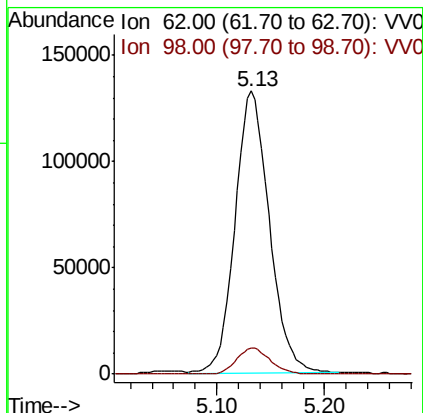
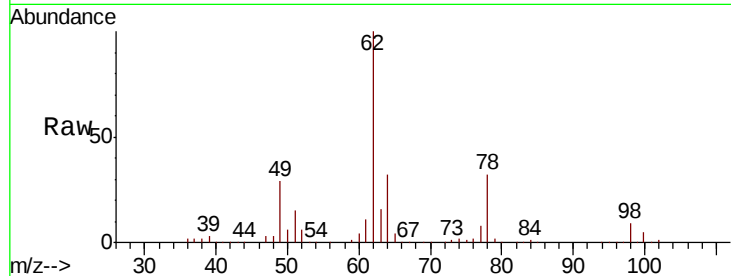




#27
 1,2-Dichloroethane
 Concen: 47.282 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

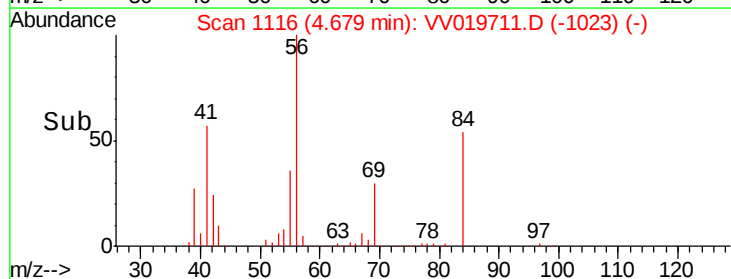
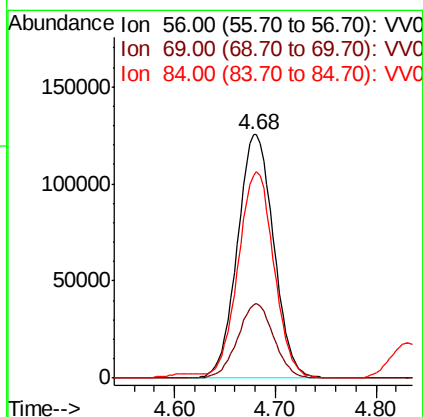
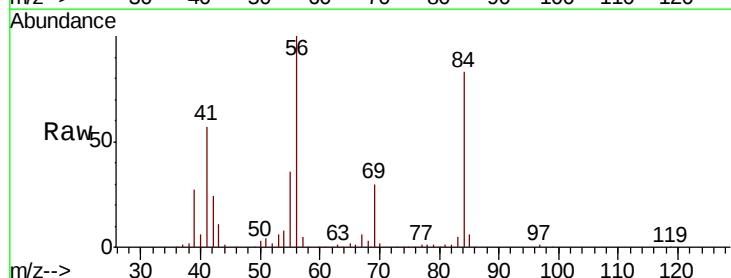
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

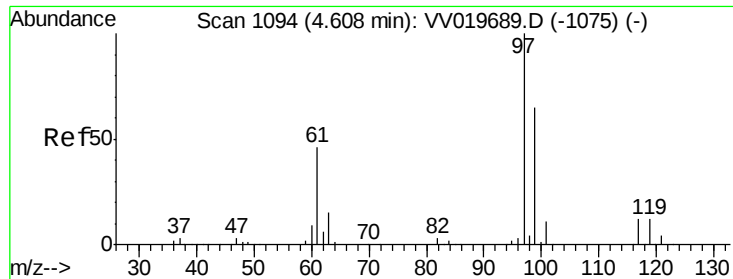
Tot Ion: 62 Resp: 294341
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.4 11.0



#29
 Cyclohexane
 Concen: 45.288 ug/L
 RT: 4.68 min Scan# 1116
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Tgt Ion: 56 Resp: 312188
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 37.0
 84 83.6 68.2 102.4

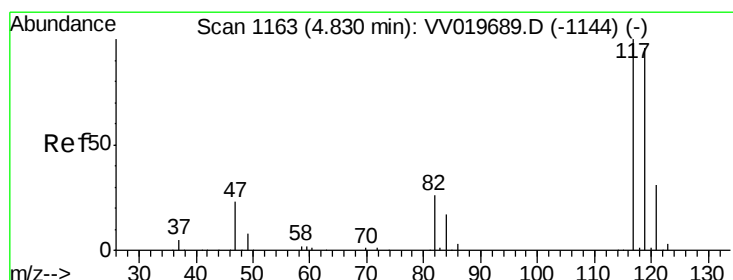
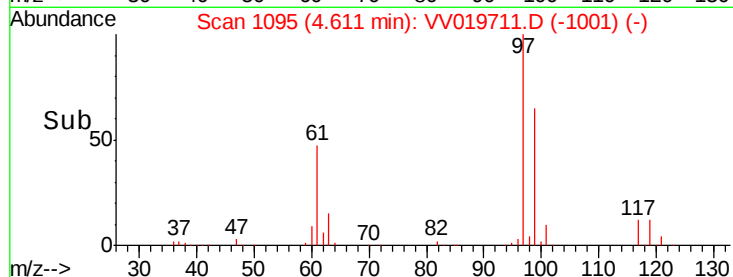
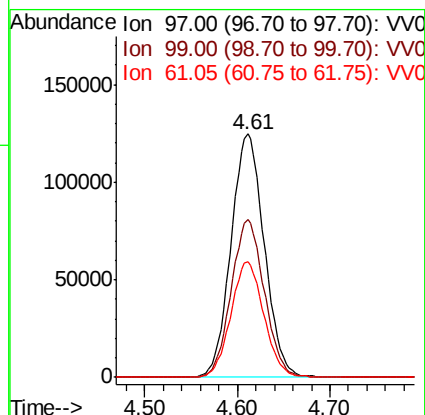
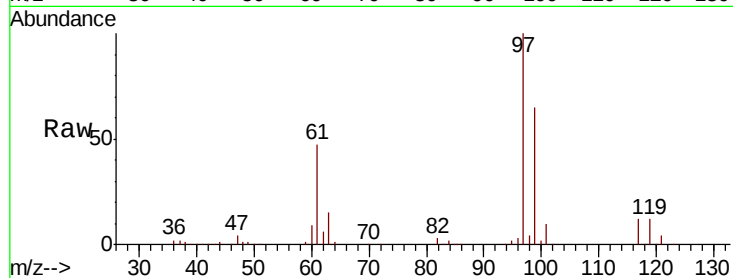




#30
 1,1,1-Trichloroethane
 Concen: 43.964 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. 0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

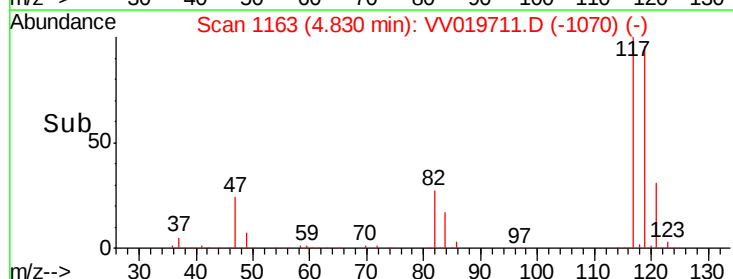
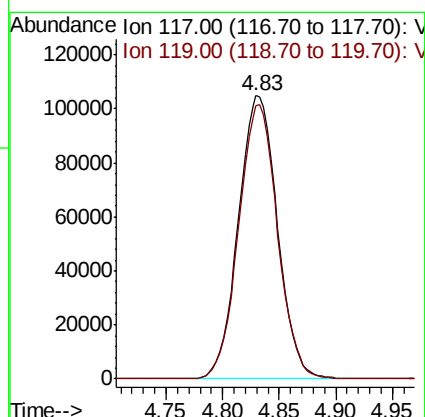
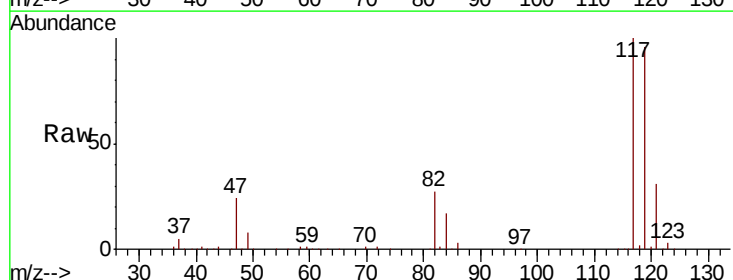
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

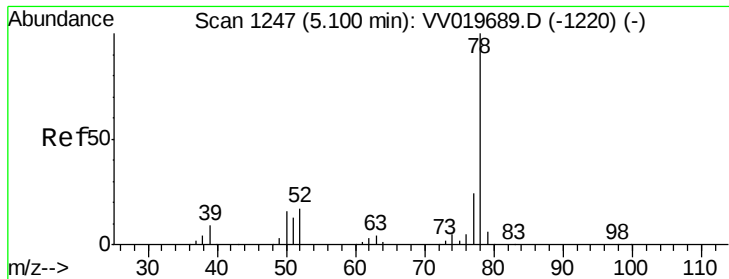
Tot Ion: 97 Resp: 310051
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.3 76.9
 61 47.1 36.3 54.5



#31
 Carbon tetrachloride
 Concen: 42.319 ug/L
 RT: 4.83 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Tgt Ion: 117 Resp: 251944
 Ion Ratio Lower Upper
 117 100
 119 96.3 75.7 113.5





#33

Benzene

Concen: 46.353 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

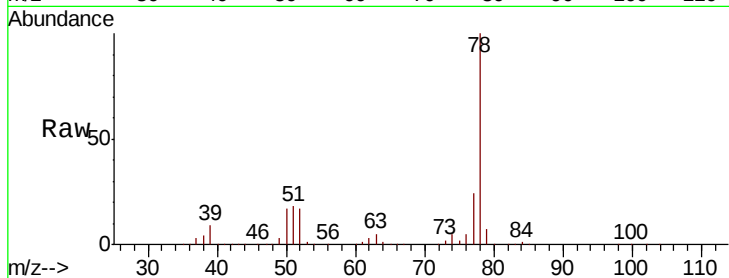
Instrument :

MSVOA_V

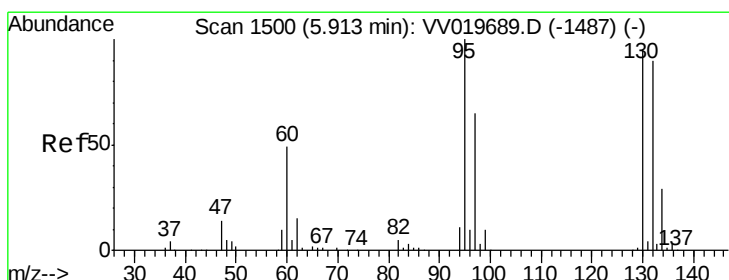
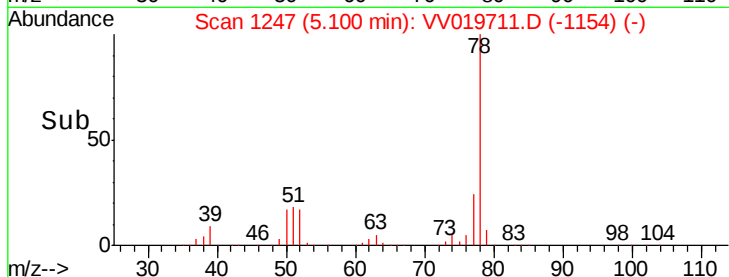
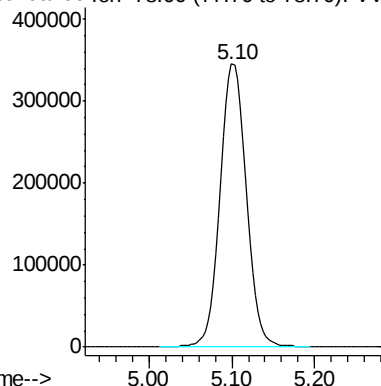
ClientSampleId :

VSTD05095

Tgt Ion: 78 Resp: 761939



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 45.273 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Tgt Ion: 95 Resp: 196588

Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.4	82.4
132	90.7	64.3	119.3
130	95.2	67.8	125.8

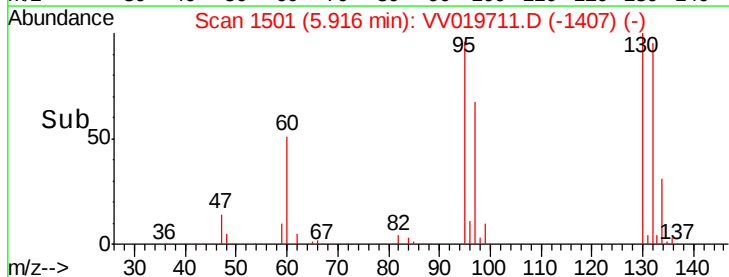
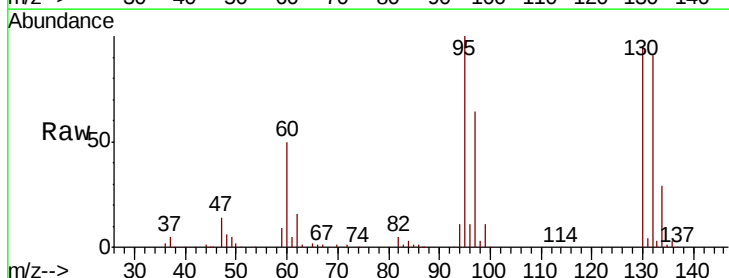
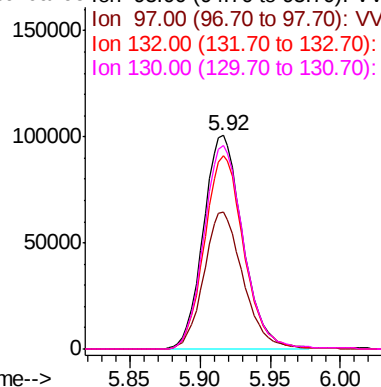
Ion 95.00 (94.70 to 95.70): VV0

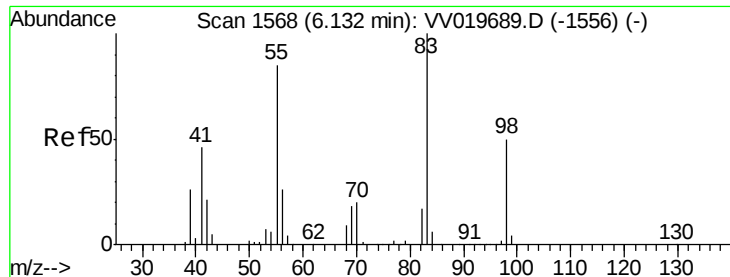
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

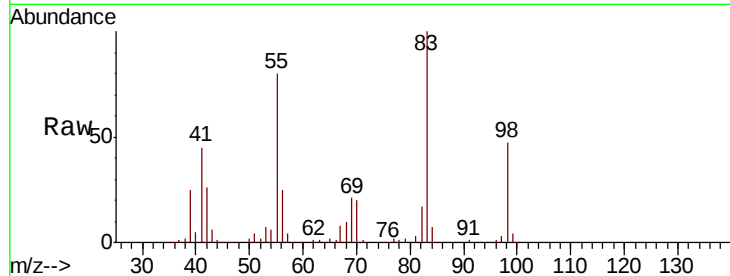




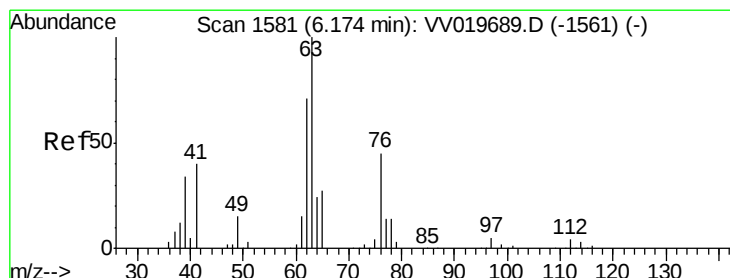
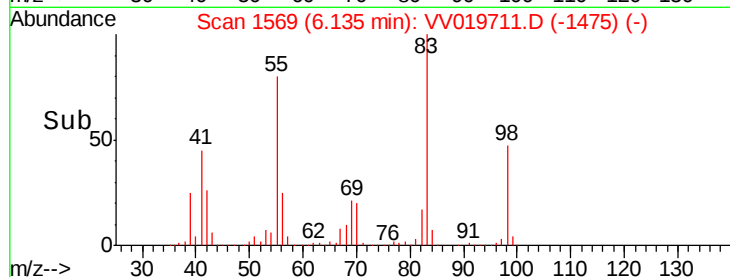
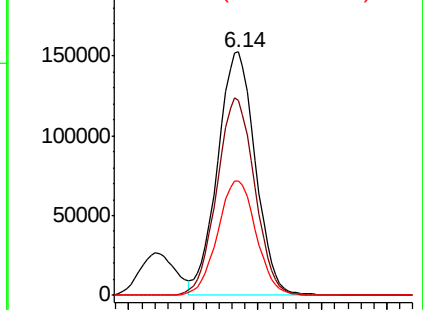
#35
Methvlcvclohexane
Concen: 46.928 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 83 Resp: 309572
Ion Ratio Lower Upper
83 100
55 80.9 64.2 96.4
98 48.1 39.3 58.9

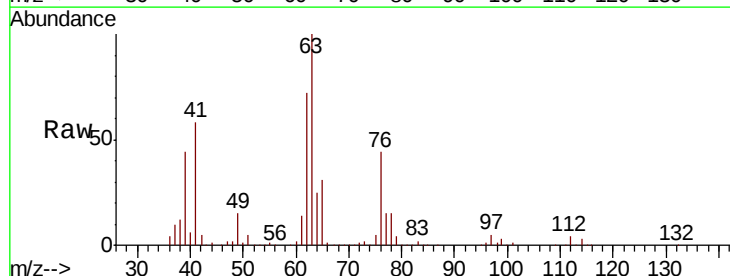


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

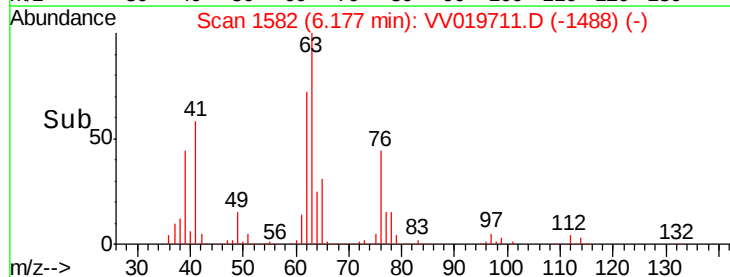
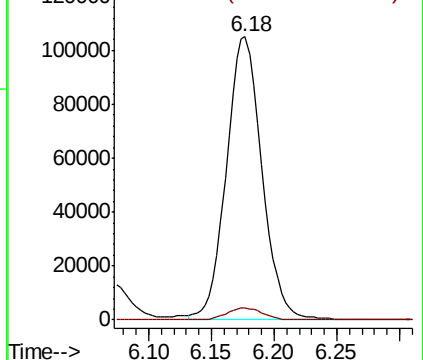


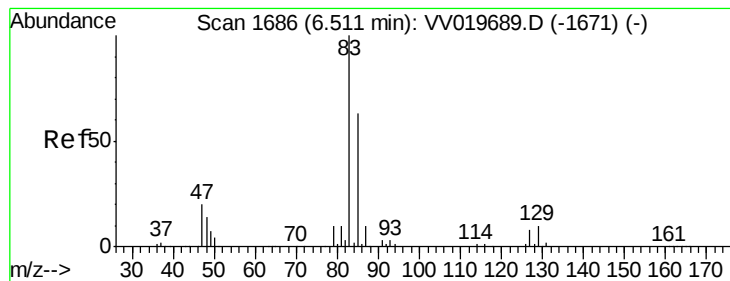
#37
1,2-Dichloropropane
Concen: 47.793 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion: 63 Resp: 205161
Ion Ratio Lower Upper
63 100
112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 44.808 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

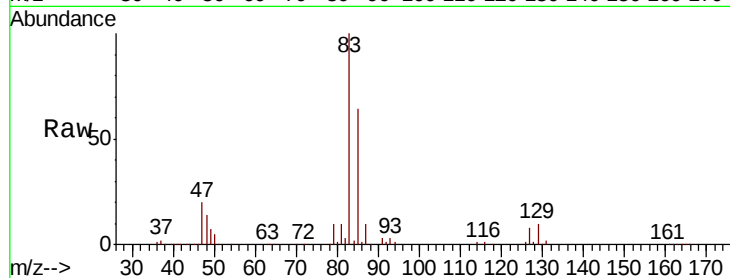
Tot Ion: 83 Resp: 268969

Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.5

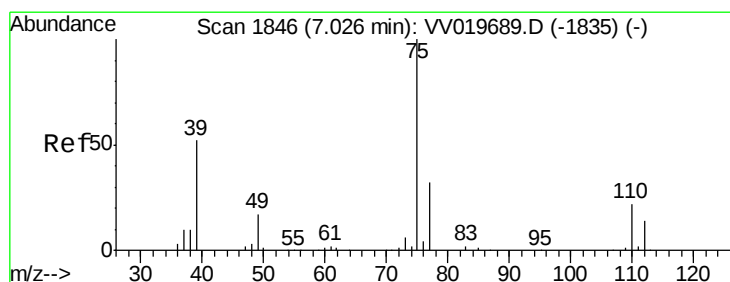
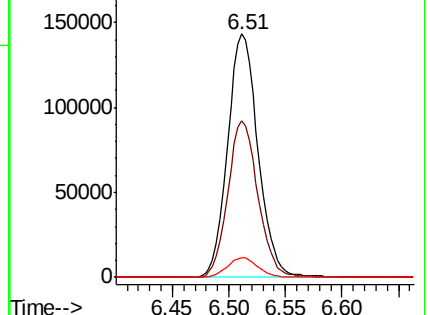
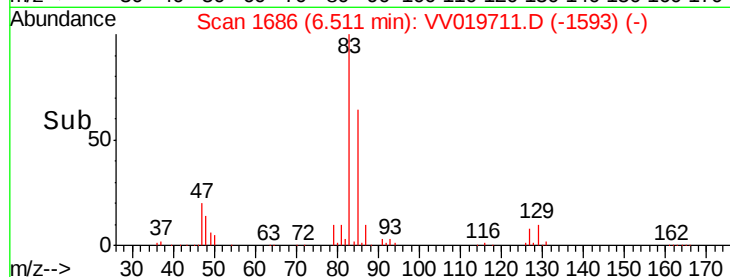
127 8.2 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VV019711.D (-1593) (-)

Ion 85.00 (84.70 to 85.70): VV019711.D (-1593) (-)

Ion 127.00 (126.70 to 127.70): VV019711.D (-1593) (-)



#39

cis-1,3-Dichloropropene

Concen: 45.411 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VV019711.D

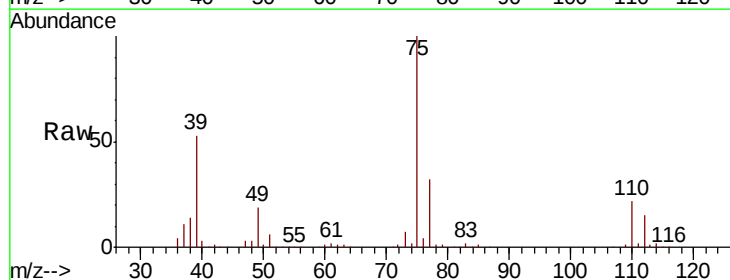
Acq: 18 Dec 2020 19:52

Tgt Ion: 75 Resp: 323760

Ion Ratio Lower Upper

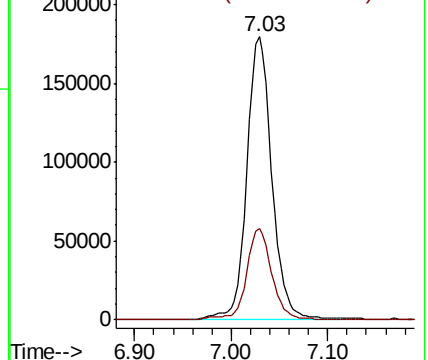
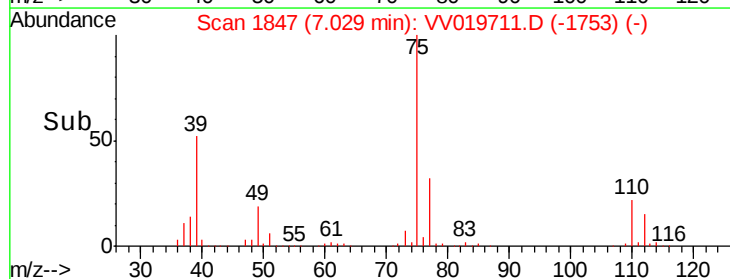
75 100

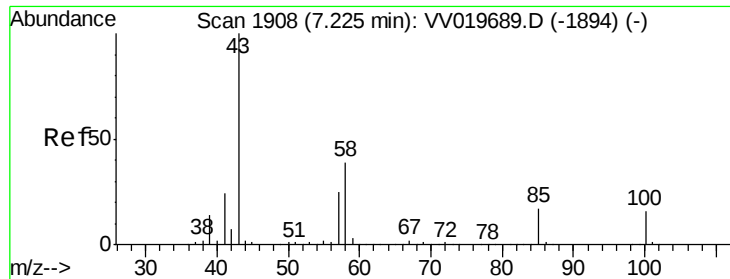
77 32.3 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV019711.D (-1753) (-)

Ion 77.00 (76.70 to 77.70): VV019711.D (-1753) (-)

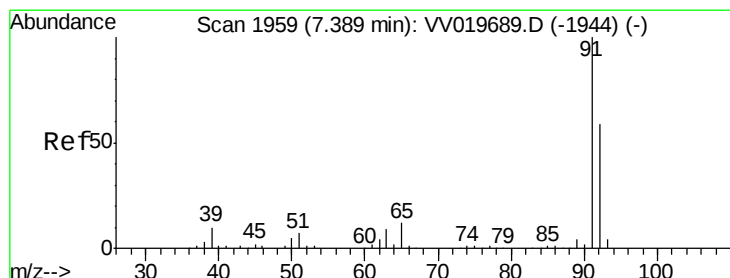
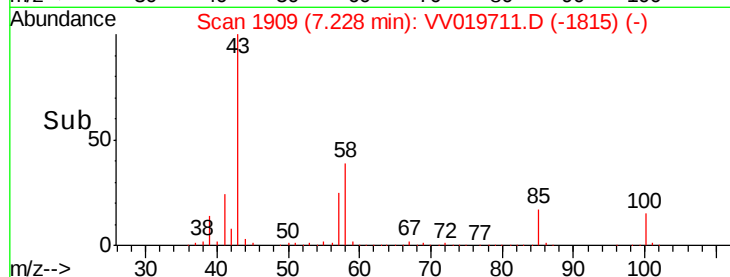
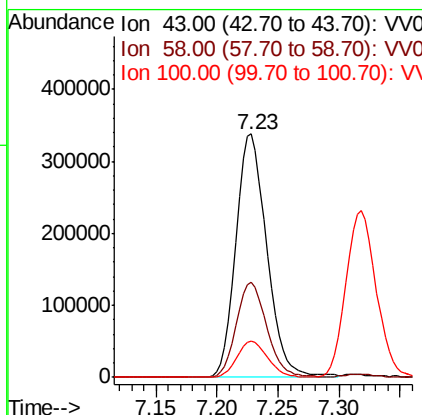
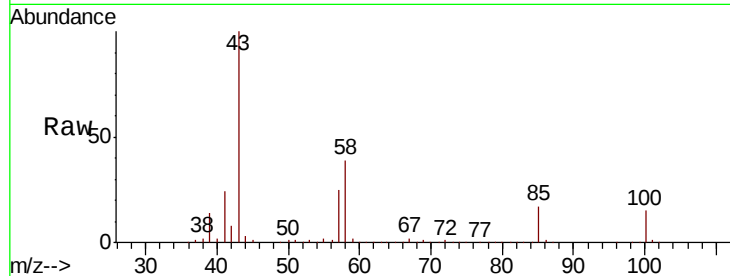




#40
4-Methyl-2-pentanone
Concen: 95.799 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

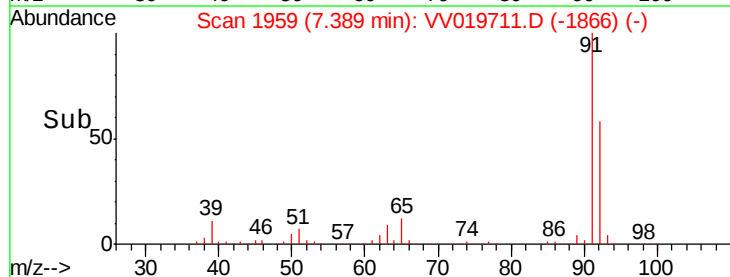
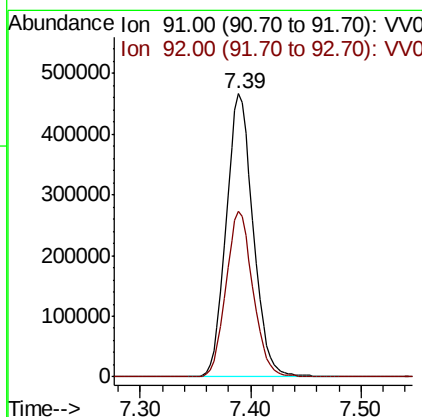
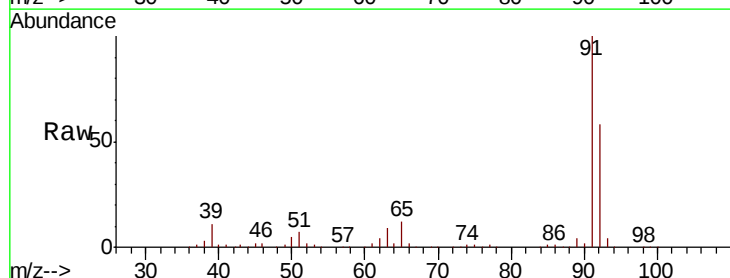
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

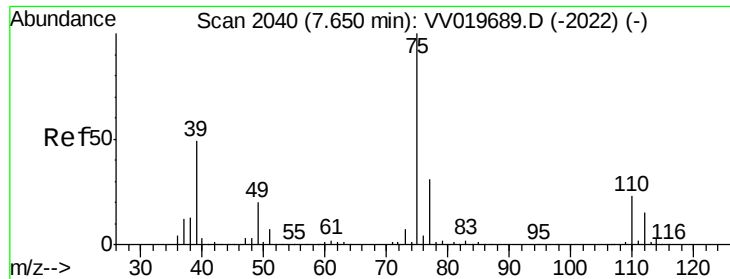
Tot Ion: 43 Resp: 593299
Ion Ratio Lower Upper
43 100
58 38.7 31.7 47.5
100 14.8 12.5 18.7



#42
Toluene
Concen: 45.678 ug/L
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion: 91 Resp: 791365
Ion Ratio Lower Upper
91 100
92 58.5 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 43.468 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

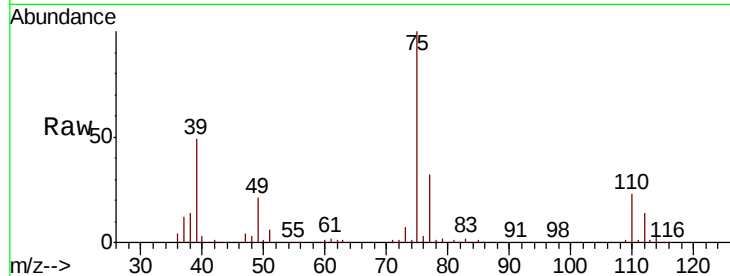
VSTD05095

Tot Ion: 75 Resp: 313803

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019689.D (-2022) (-)

Ion 77.00 (76.70 to 77.70): VV019689.D (-2022) (-)

7.65

200000

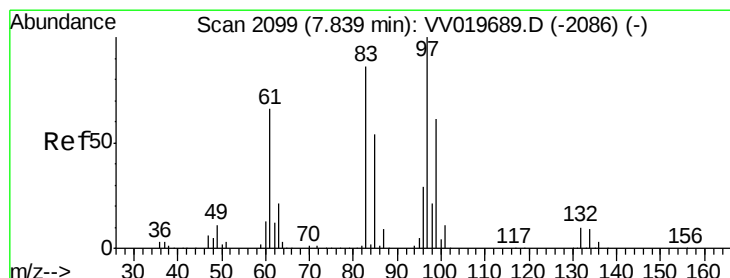
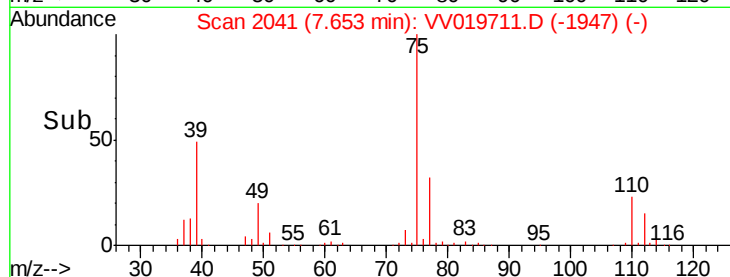
150000

100000

50000

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 46.662 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Tgt Ion: 97 Resp: 190217

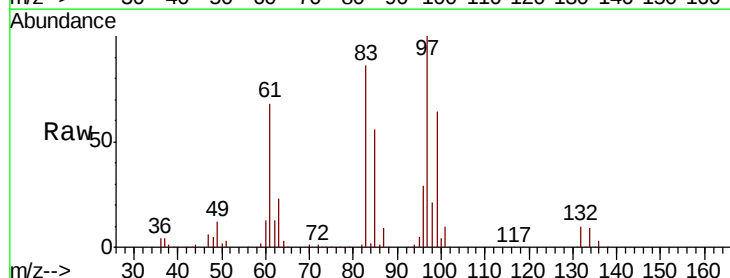
Ion Ratio Lower Upper

97 100

99 64.1 44.1 81.9

83 85.8 60.0 111.4

85 56.2 38.6 71.8



Abundance Ion 97.00 (96.70 to 97.70): VV019689.D (-2086) (-)

Ion 99.00 (98.70 to 99.70): VV019689.D (-2086) (-)

Ion 83.00 (82.70 to 83.70): VV019689.D (-2086) (-)

Ion 85.00 (84.70 to 85.70): VV019689.D (-2086) (-)

7.84

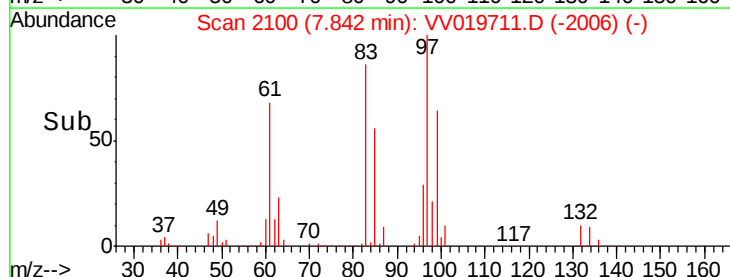
150000

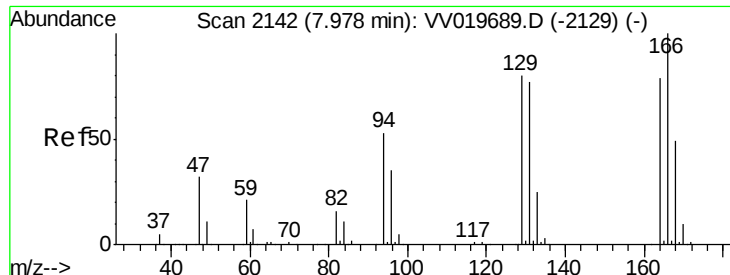
100000

50000

0

Time-->





#46

Tetrachloroethene

Concen: 43.830 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion:164 Resp: 131692

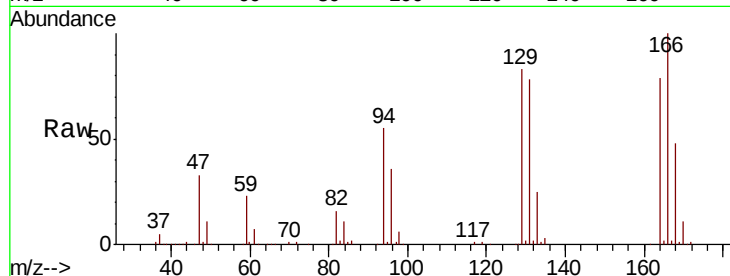
Ion Ratio Lower Upper

164 100

129 104.2 70.6 131.0

131 97.6 68.0 126.4

166 125.9 86.9 161.5

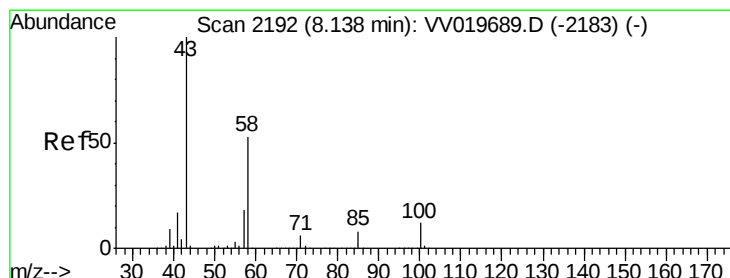
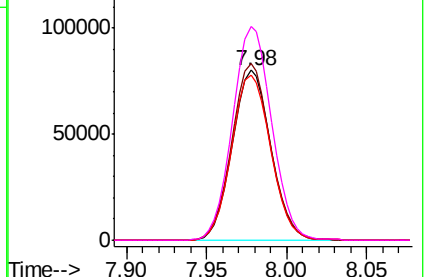
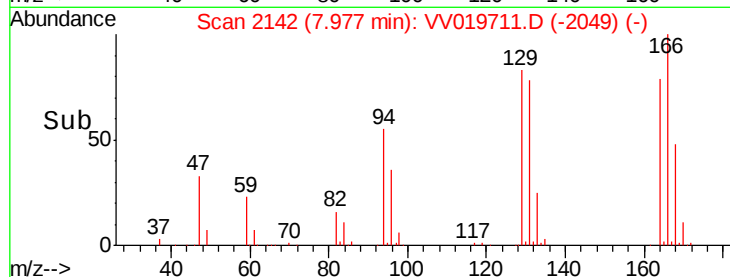


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 96.988 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Tgt Ion: 43 Resp: 455773

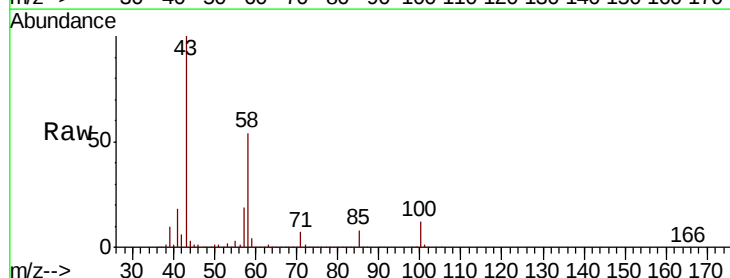
Ion Ratio Lower Upper

43 100

58 53.5 44.4 66.6

57 18.6 15.7 23.5

100 11.9 9.9 14.9

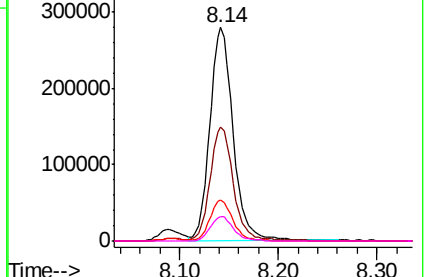
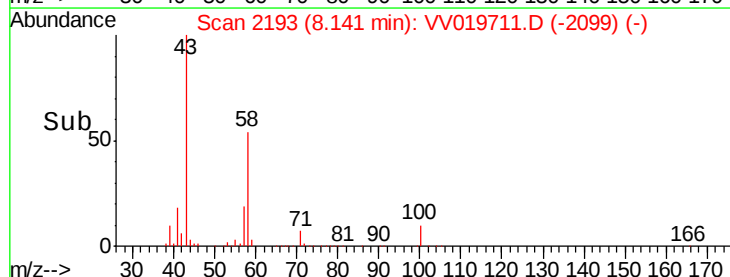


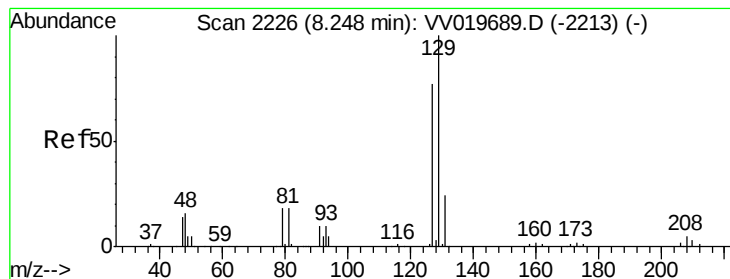
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 44.015 ug/L

RT: 8.25 min Scan# 2226

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

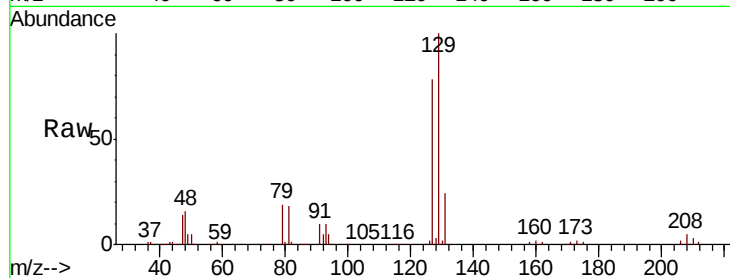
VSTD05095

Tot Ion:129 Resp: 196498

Ion Ratio Lower Upper

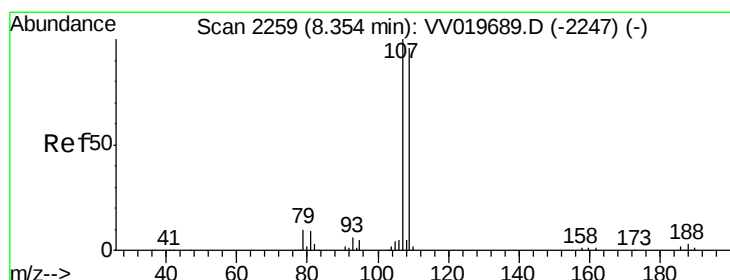
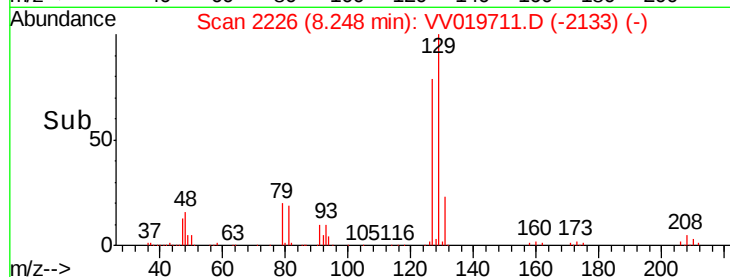
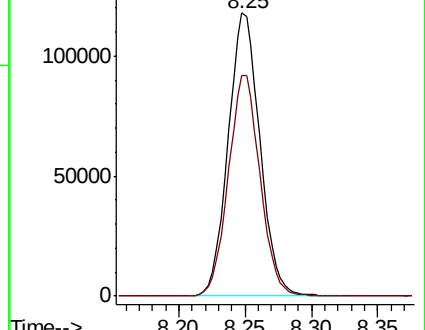
129 100

127 77.9 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 46.340 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

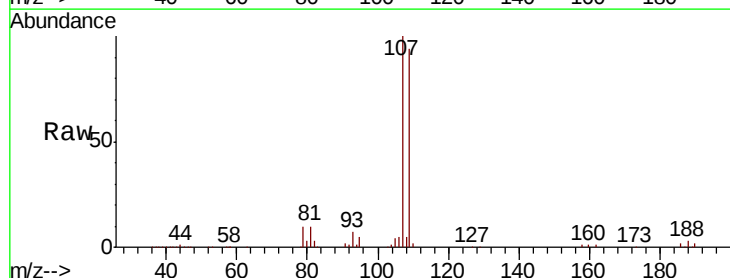
Tgt Ion:107 Resp: 198927

Ion Ratio Lower Upper

107 100

109 93.5 66.4 123.2

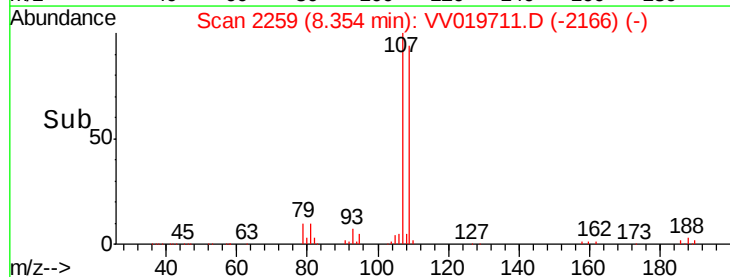
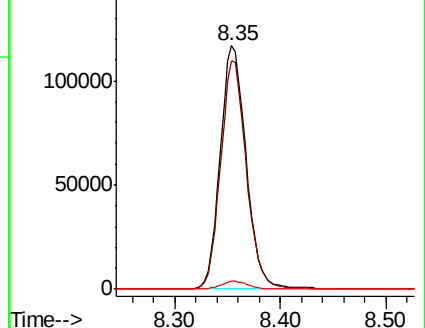
188 3.2 2.9 4.3

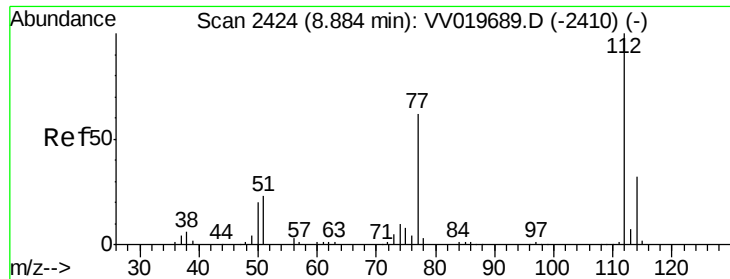


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

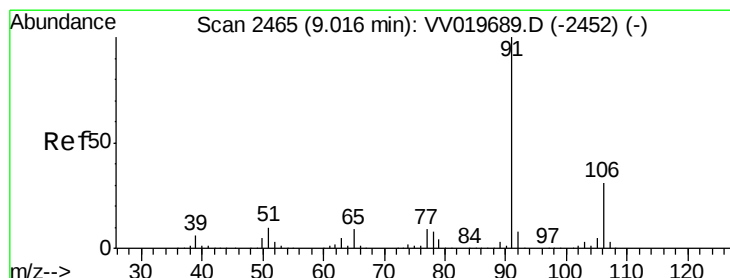
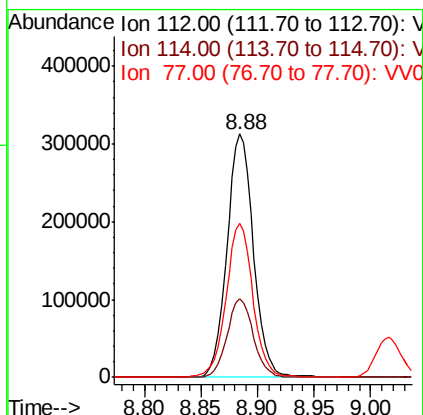
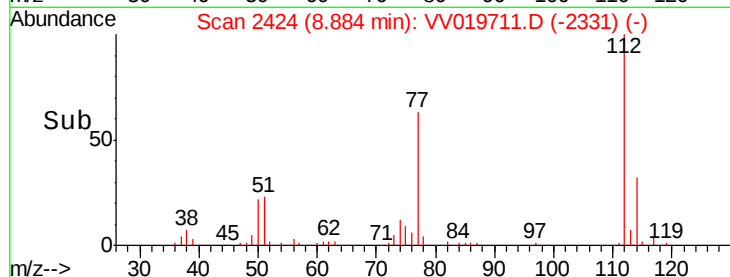
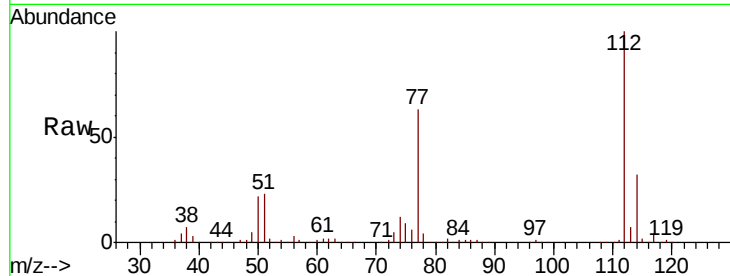




#51
Chlorobenzene
Concen: 46.005 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

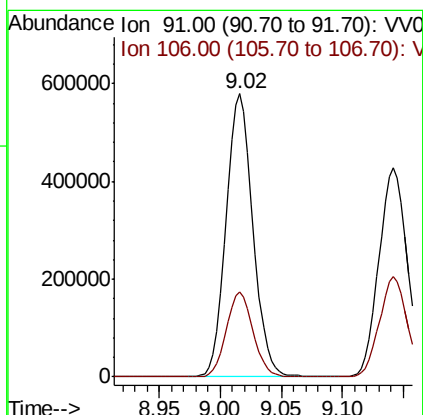
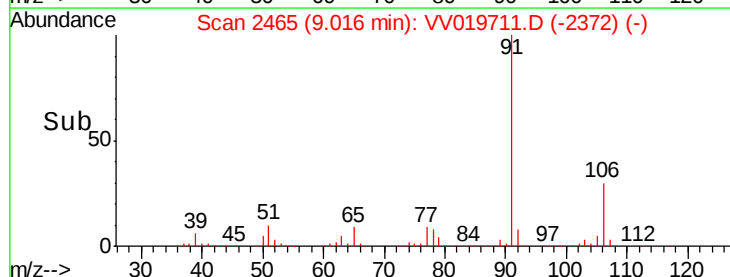
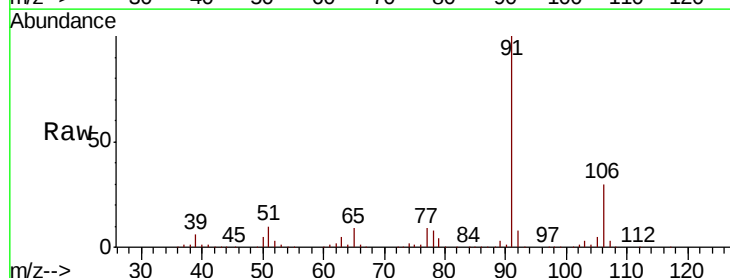
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

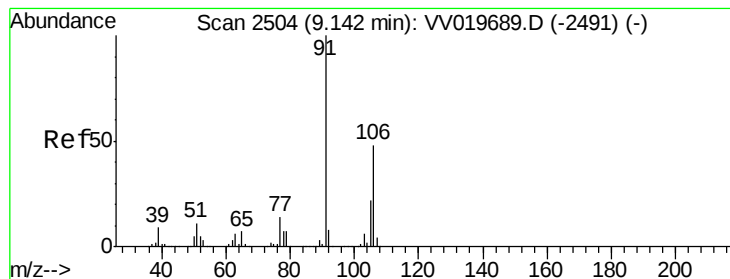
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	63.3	50.6	75.8



#52
Ethylbenzene
Concen: 45.400 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	21.1	39.3





#53

m,p-Xylene

Concen: 44.171 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

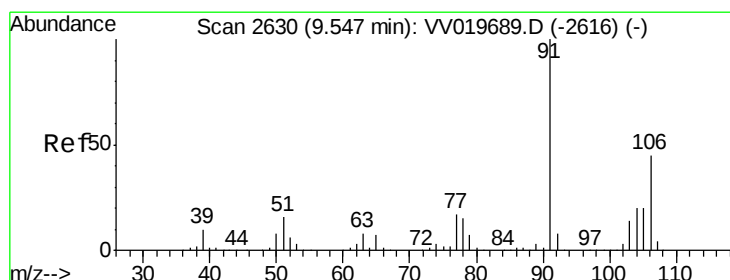
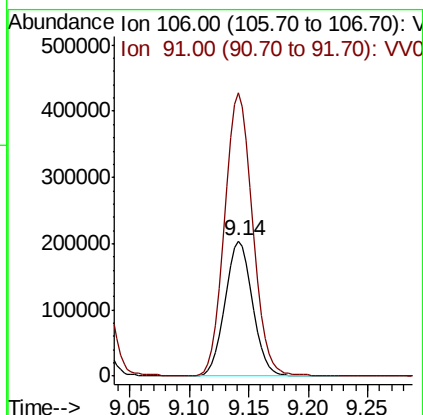
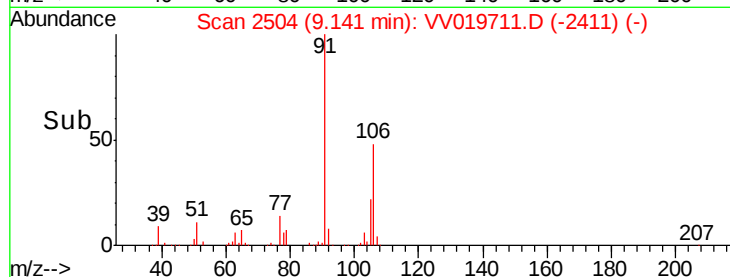
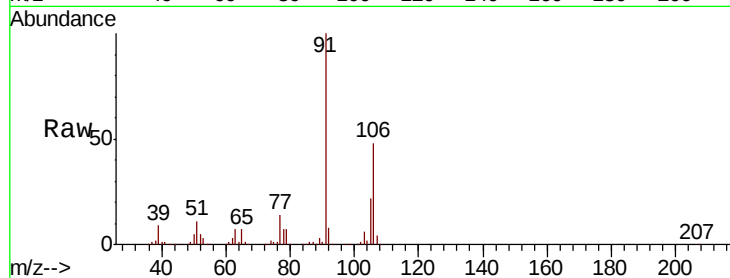
VSTD05095

Tot Ion:106 Resp: 325735

Ion Ratio Lower Upper

106 100

91 209.3 147.7 274.3



#54

o-xylene

Concen: 45.068 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019711.D

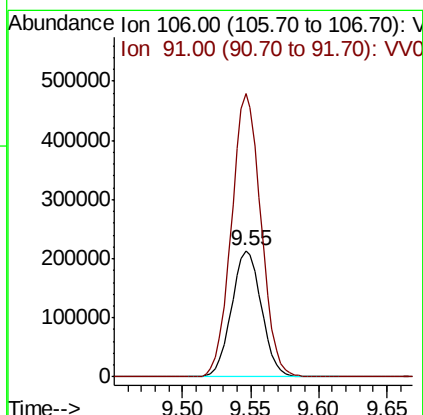
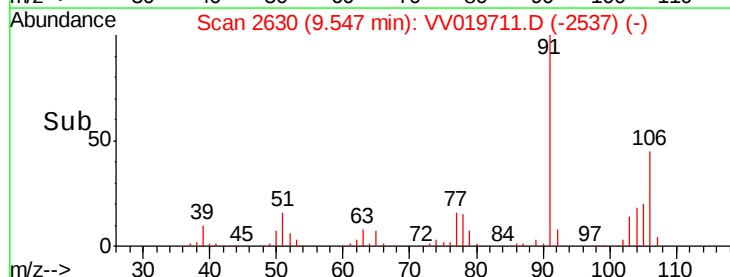
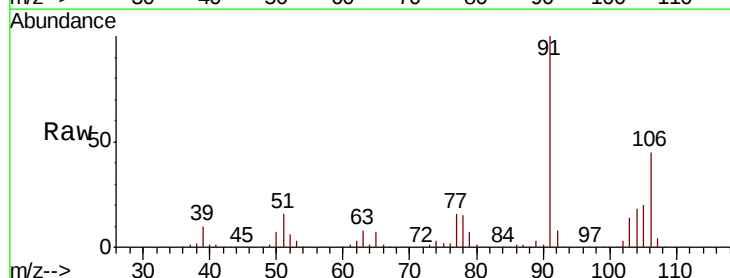
Acq: 18 Dec 2020 19:52

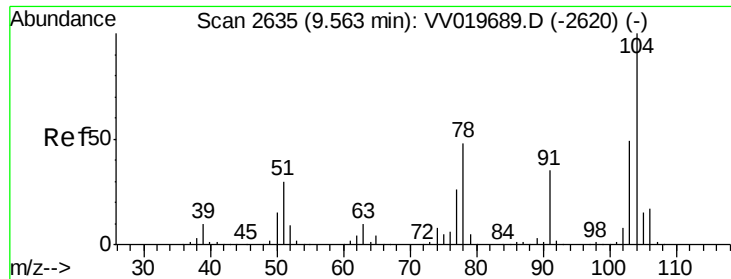
Tgt Ion:106 Resp: 325756

Ion Ratio Lower Upper

106 100

91 224.1 156.7 291.1





#55

Stvrene

Concen: 45.622 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

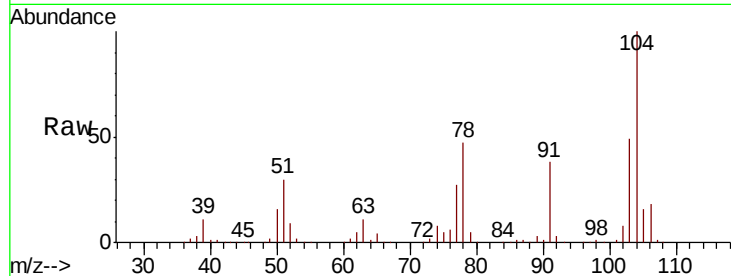
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion:104 Resp: 574733

Ion Ratio Lower Upper

104 100

78 47.5 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

9.56

400000

300000

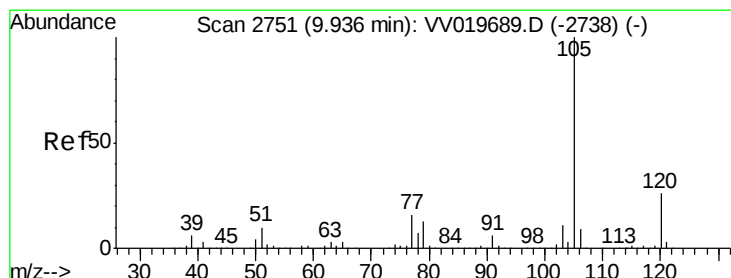
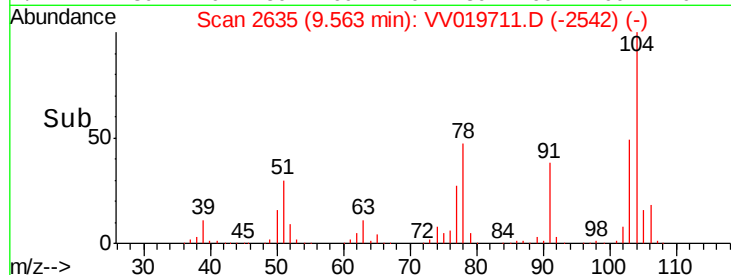
200000

100000

0

Time-->

9.50 9.60 9.70



#56

Isopropylbenzene

Concen: 45.318 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

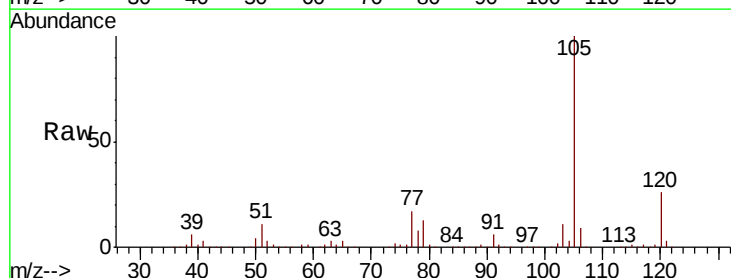
Tgt Ion:105 Resp: 872657

Ion Ratio Lower Upper

105 100

120 25.7 20.6 31.0

77 16.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

9.94

600000

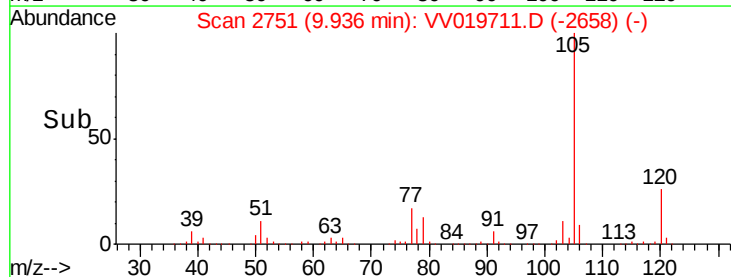
400000

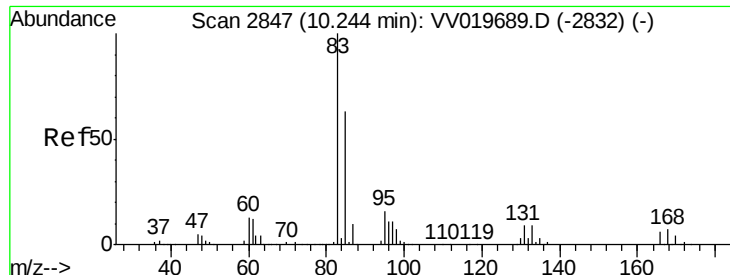
200000

0

Time-->

9.90 10.00





#58

1,1,2,2-Tetrachloroethane

Concen: 46.754 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

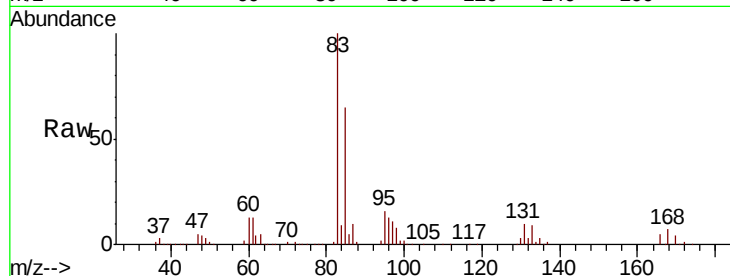
Tot Ion: 83 Resp: 306498

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

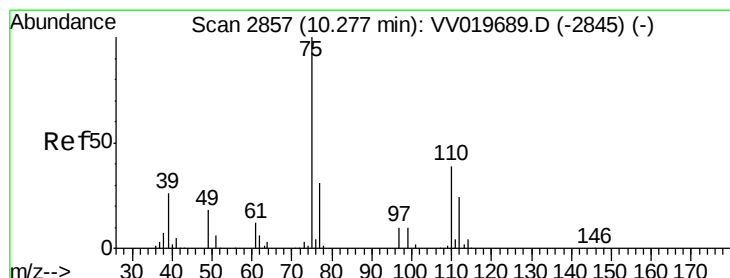
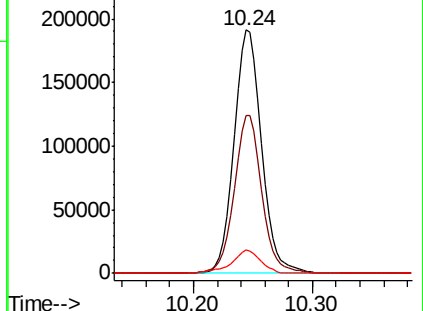
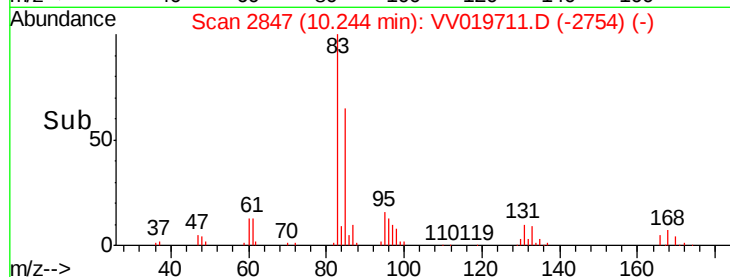
131 9.6 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV019711.D (-2754) (-)

Ion 85.00 (84.70 to 85.70): VV019711.D (-2754) (-)

Ion 131.00 (130.70 to 131.70): VV019711.D (-2754) (-)



#59

1,2,3-Trichloropropane

Concen: 47.833 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019711.D

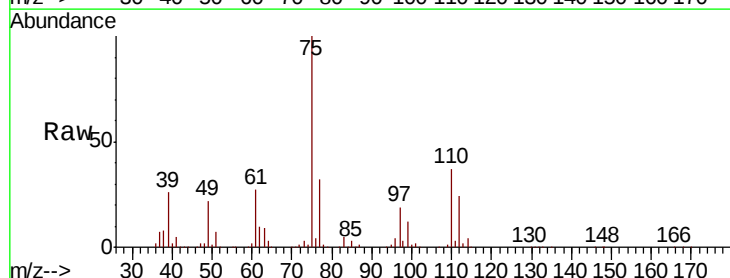
Acq: 18 Dec 2020 19:52

Tgt Ion: 75 Resp: 255405

Ion Ratio Lower Upper

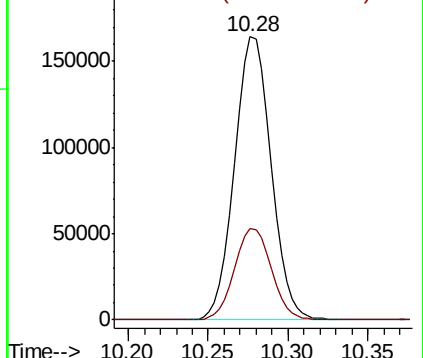
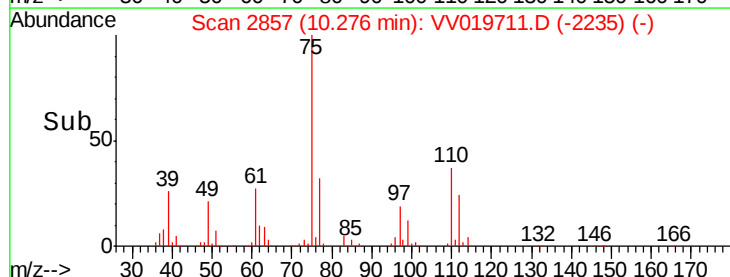
75 100

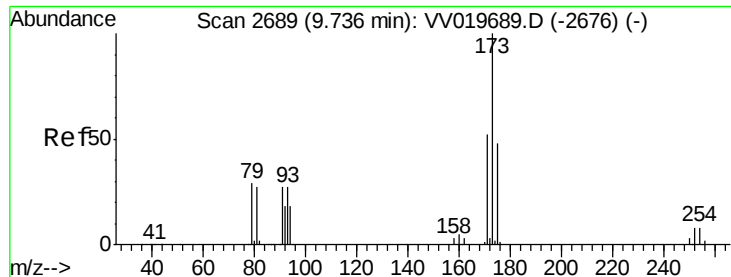
77 32.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019711.D (-2235) (-)

Ion 77.00 (76.70 to 77.70): VV019711.D (-2235) (-)





#61

Bromoform

Concen: 39.550 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

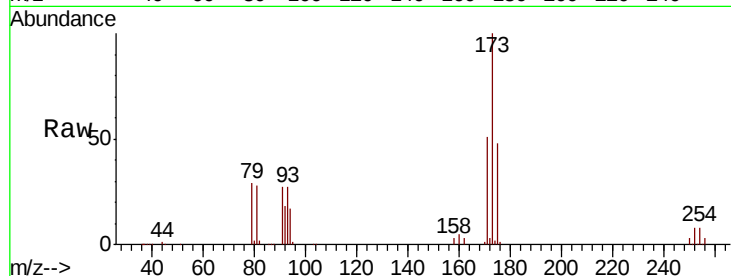
Tot Ion:173 Resp: 125972

Ion Ratio Lower Upper

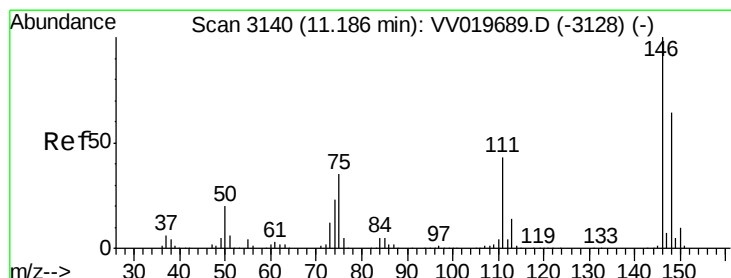
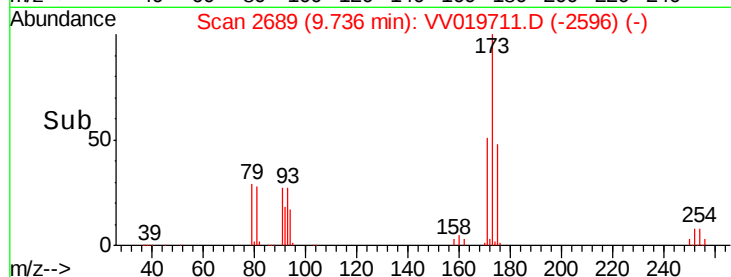
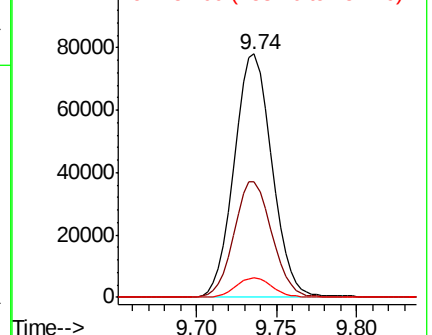
173 100

175 47.5 38.4 57.6

254 7.8 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 43.360 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

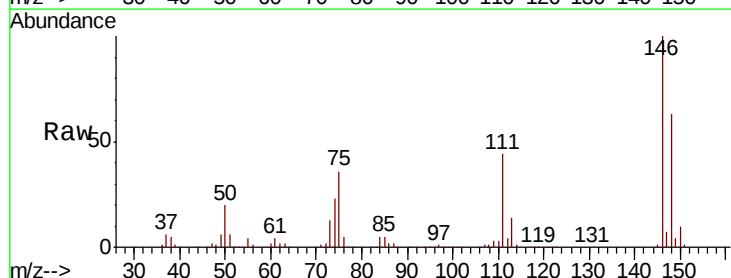
Tgt Ion:146 Resp: 382953

Ion Ratio Lower Upper

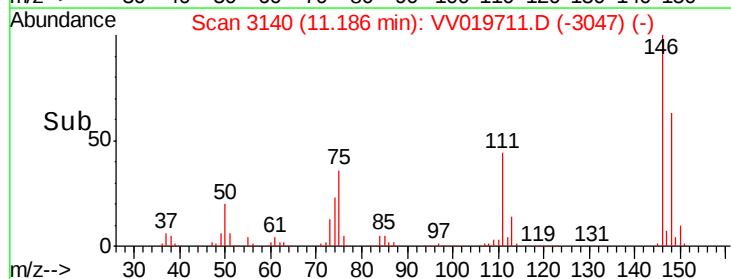
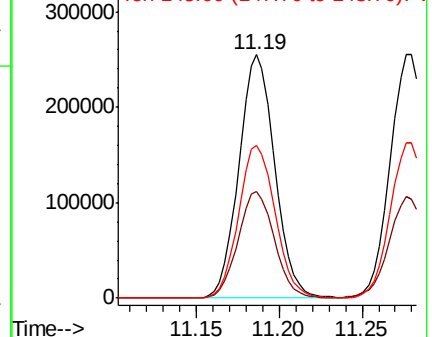
146 100

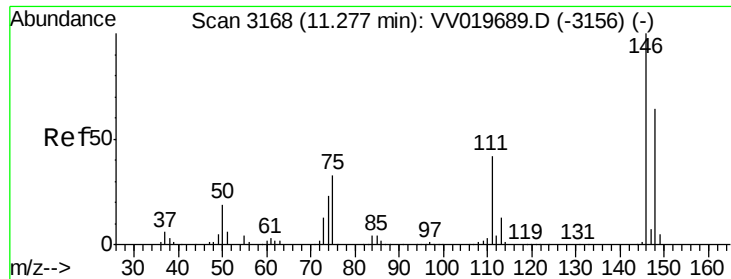
111 43.7 30.7 57.1

148 62.8 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 43.870 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

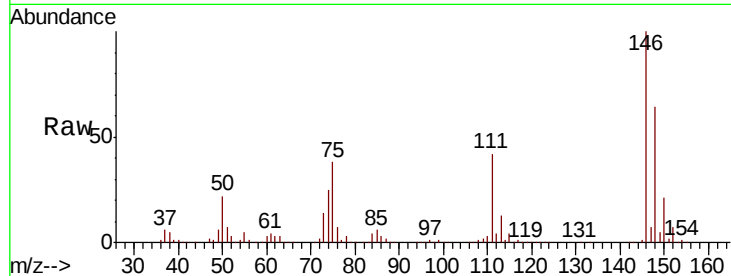
Tot Ion:146 Resp: 392339

Ion Ratio Lower Upper

146 100

111 41.6 29.8 55.4

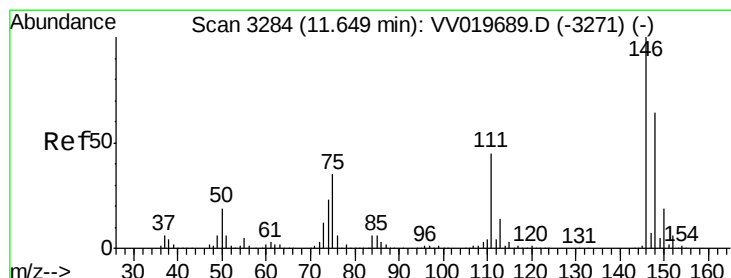
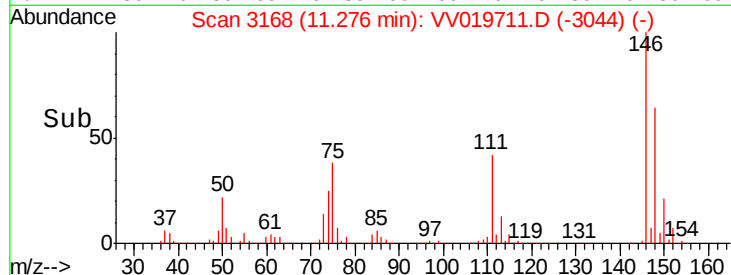
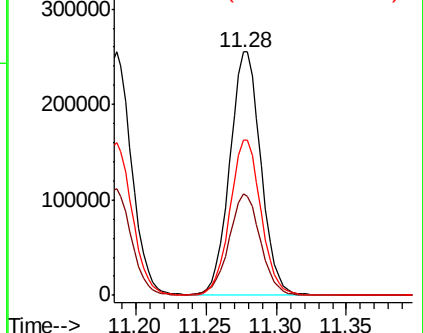
148 63.7 44.2 82.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 44.471 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019711.D

Acq: 18 Dec 2020 19:52

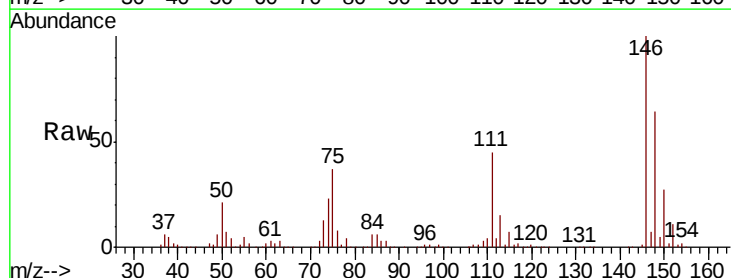
Tgt Ion:146 Resp: 388103

Ion Ratio Lower Upper

146 100

111 44.9 36.6 55.0

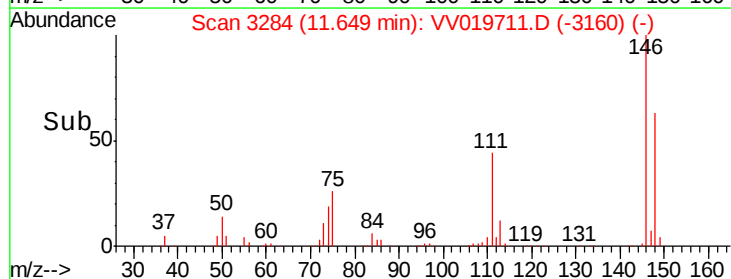
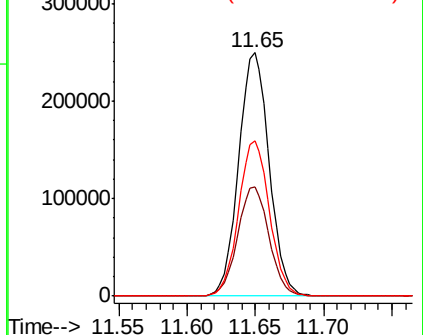
148 63.7 50.7 76.1

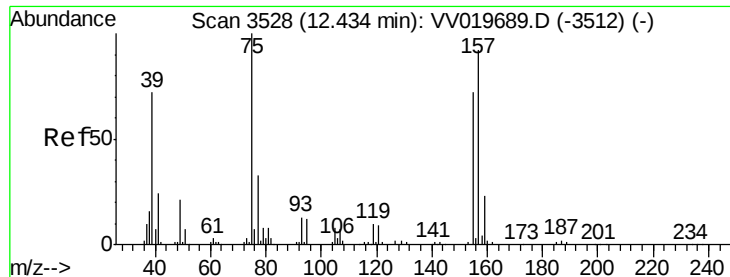


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

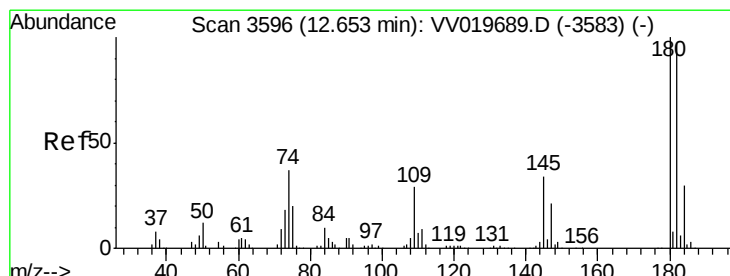
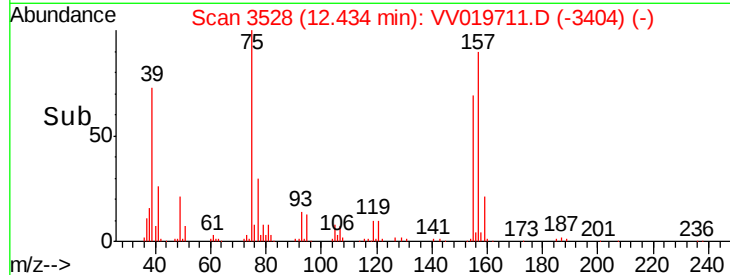
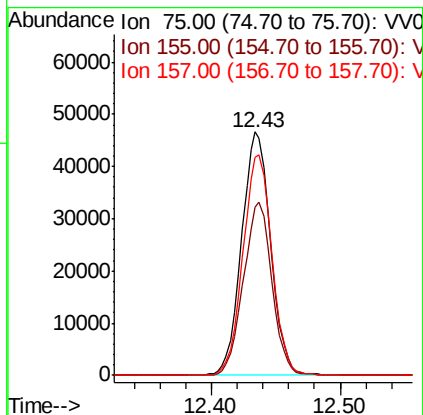
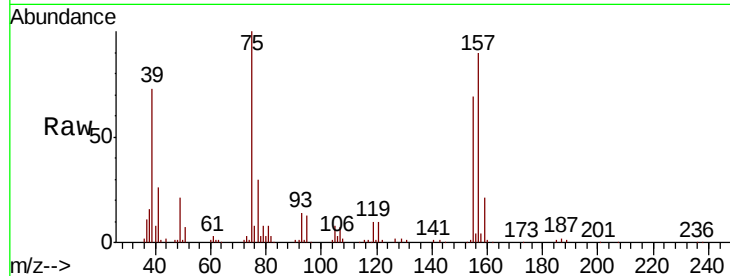




#66
 1,2-Dibromo-3-chloropropane
 Concen: 39.923 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

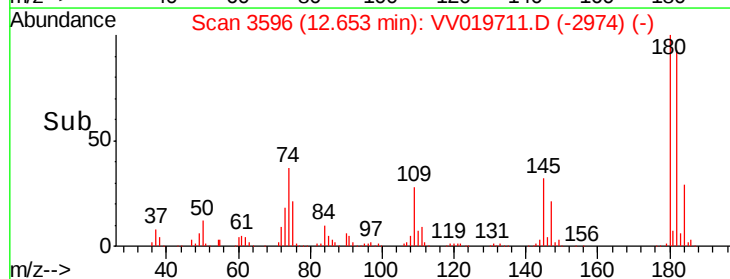
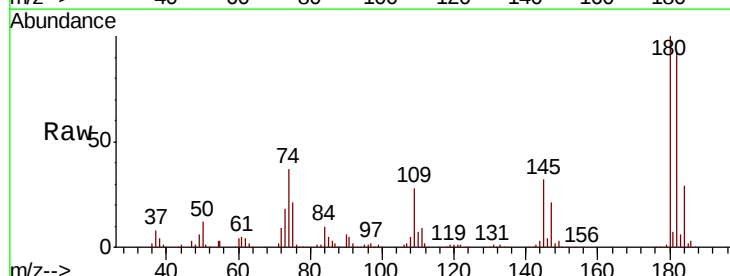
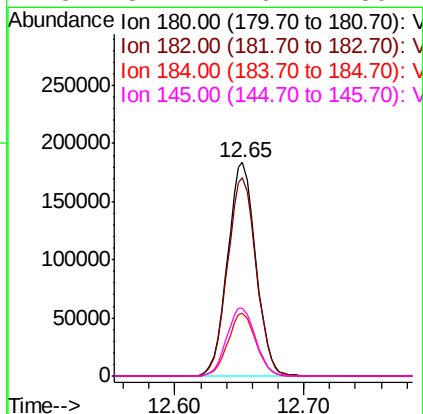
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

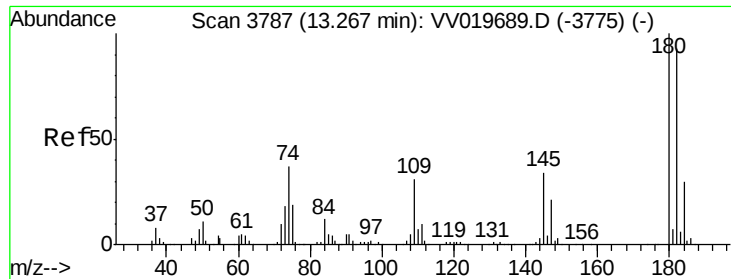
Tot Ion: 75 Resp: 72728
 Ion Ratio Lower Upper
 75 100
 155 68.9 61.1 91.7
 157 89.7 78.7 118.1



#67
 1,3,5-Trichlorobenzene
 Concen: 44.560 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Tgt Ion: 180 Resp: 278053
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.8 113.6
 184 29.2 23.9 35.9
 145 32.7 26.2 39.2

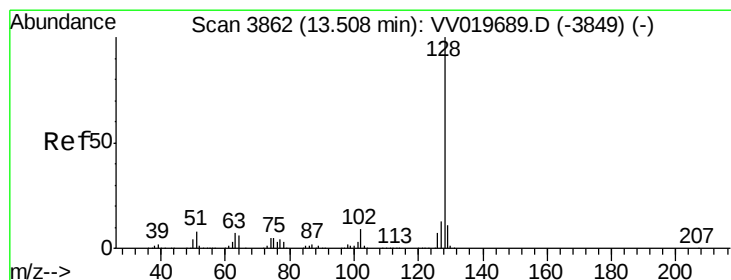
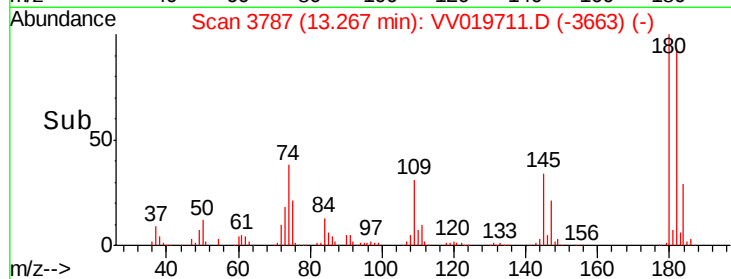
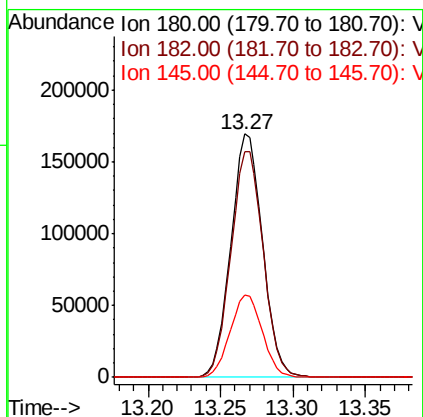
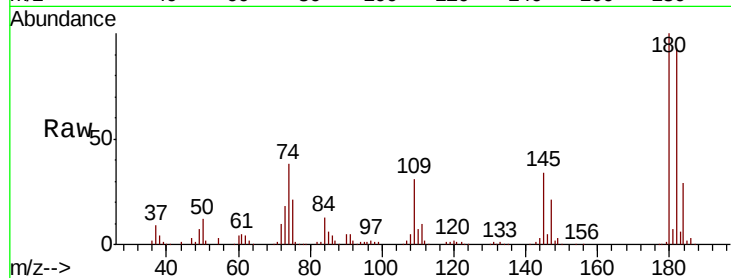




#68
1,2,4-trichlorobenzene
Concen: 44.025 ug/L
RT: 13.27 min Scan# 3787
Delta R.T. -0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

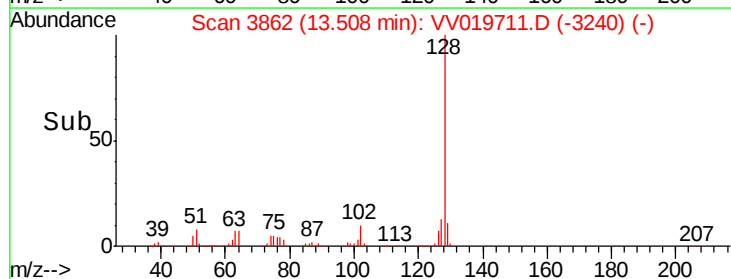
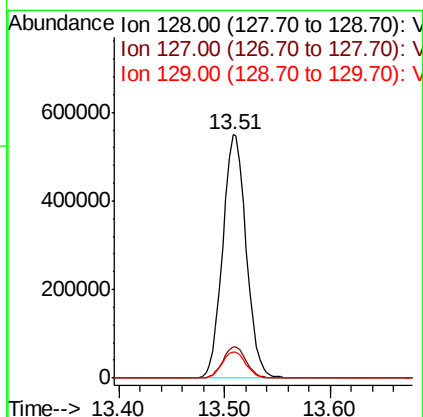
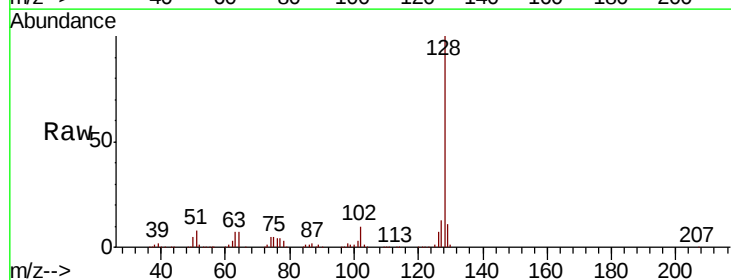
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

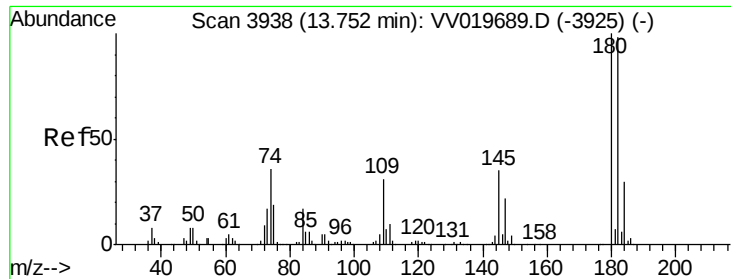
Tot Ion:180 Resp: 256859
Ion Ratio Lower Upper
180 100
182 94.5 76.5 114.7
145 34.2 27.0 40.6



#69
Naphthalene
Concen: 41.720 ug/L
RT: 13.51 min Scan# 3862
Delta R.T. -0.00 min
Lab File: VV019711.D
Acq: 18 Dec 2020 19:52

Tgt Ion:128 Resp: 845186
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.9 8.6 12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 44.240 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. -0.00 min
 Lab File: VV019711.D
 Acq: 18 Dec 2020 19:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tot Ion:	180	Resp:	252238
Ion Ratio	Lower	Upper	
180	100		
182	94.4	75.8	113.6
145	35.7	29.1	43.7

