

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019513.D
 Acq On : 10 Dec 2020 16:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Dec 11 02:24:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 15:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	742237	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	694271	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	341474	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	255847	48.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.14%
7) Chloroethane-d5	1.57	69	207098	49.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.66%
11) 1,1-Dichloroethene-d2	2.11	63	494680	50.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.16%
21) 2-Butanone-d5	3.89	46	298954	103.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.34%
24) Chloroform-d	4.35	84	480968	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
26) 1,2-Dichloroethane-d4	5.04	65	318329	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.05	84	922087	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.07	67	289252	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.74%
41) Toluene-d8	7.32	98	837803	50.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.50%
43) trans-1,3-Dichloropropene-	7.62	79	164620	49.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.80%
47) 2-Hexanone-d5	8.09	63	229794	100.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.94%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	392946	50.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.16%
64) 1,2-Dichlorobenzene-d4	11.63	152	316857	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	314813	52.557	ug/L	99
3) Chloromethane	1.24	50	311022	48.849	ug/L	100
5) Vinyl chloride	1.31	62	317277	49.680	ug/L	100
6) Bromomethane	1.52	94	195508	50.976	ug/L	99
8) Chloroethane	1.59	64	192161	49.884	ug/L	99
9) Trichlorofluoromethane	1.76	101	404984	51.903	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	232371	53.926	ug/L	100
13) Acetone	2.19	43	242683	98.471	ug/L	98
14) Carbon disulfide	2.30	76	734352	50.543	ug/L	100
15) Methyl Acetate	2.43	43	273257	50.891	ug/L	99
16) Methylene chloride	2.51	84	255678	49.317	ug/L	99
17) trans-1,2-Dichloroethene	2.76	96	247966	51.163	ug/L	100
18) Methyl tert-butyl Ether	2.77	73	849247	50.146	ug/L	100
19) 1,1-Dichloroethane	3.19	63	471748	50.206	ug/L	99
20) cis-1,2-Dichloroethene	3.91	96	267519	50.211	ug/L	99
22) 2-Butanone	3.97	43	378363	104.662	ug/L	99
23) Bromochloromethane	4.25	128	132536	50.558	ug/L	98

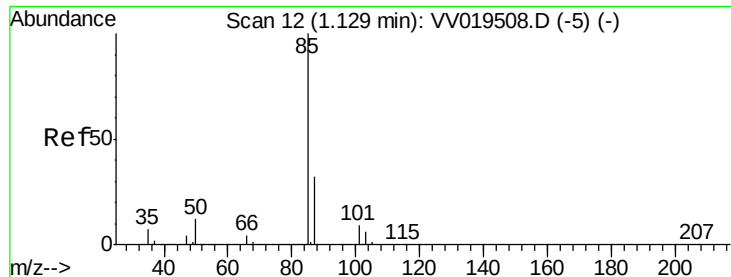
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\
 Data File : VV019513.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 15:38:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	471822	50.278	ug/L	99
27) 1,2-Dichloroethane	5.13	62	394100	50.692	ug/L	99
29) Cyclohexane	4.68	56	448635	52.724	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	435352	50.010	ug/L	100
31) Carbon tetrachloride	4.83	117	373670	50.848	ug/L	100
33) Benzene	5.10	78	1016466	50.095	ug/L	100
34) Trichloroethene	5.92	95	272360	50.813	ug/L	98
35) Methylcyclohexane	6.14	83	438366	53.835	ug/L	100
37) 1,2-Dichloropropane	6.18	63	267069	50.401	ug/L	100
38) Bromodichloromethane	6.51	83	368827	49.777	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	460158	52.287	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	766737	100.296	ug/L	100
42) Toluene	7.39	91	1078684	50.440	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	450942	50.604	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	249975	49.678	ug/L	98
46) Tetrachloroethene	7.98	164	189067	50.977	ug/L	96
48) 2-Hexanone	8.14	43	591741	102.012	ug/L	97
49) Dibromochloromethane	8.25	129	278450	50.529	ug/L	100
50) 1,2-Dibromoethane	8.35	107	266719	50.335	ug/L	99
51) Chlorobenzene	8.88	112	691830	50.652	ug/L	100
52) Ethylbenzene	9.02	91	1243875	51.051	ug/L	100
53) m,p-Xylene	9.14	106	465700	51.160	ug/L	99
54) o-xylene	9.55	106	454870	50.981	ug/L	99
55) Styrene	9.56	104	797579	51.290	ug/L	100
56) Isopropylbenzene	9.94	105	1230168	51.754	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	397162	49.080	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	327612	49.706	ug/L	99
61) Bromoform	9.74	173	187372	49.591	ug/L	99
62) 1,3-Dichlorobenzene	11.18	146	535489	51.112	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	537206	50.637	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	523270	50.546	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.43	75	106106	49.101	ug/L	98
67) 1,3,5-Trichlorobenzene	12.65	180	383267	51.778	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	359970	52.011	ug/L	100
69) Naphthalene	13.50	128	1245077	51.809	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	351724	52.003	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.557 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

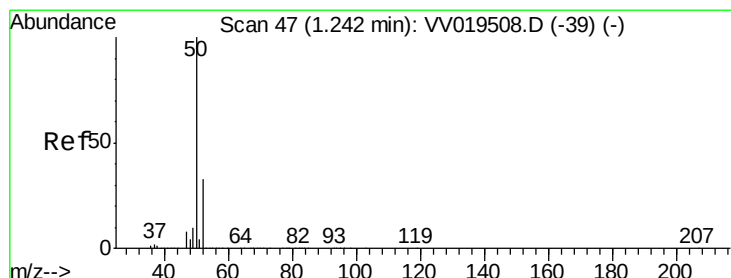
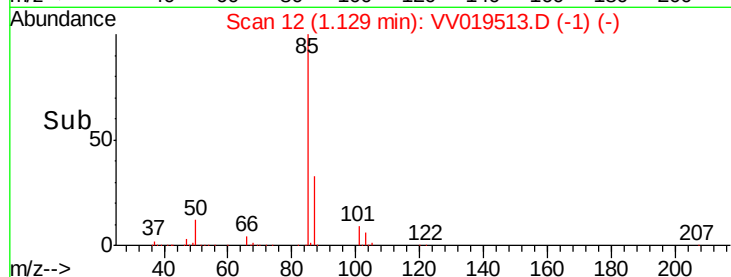
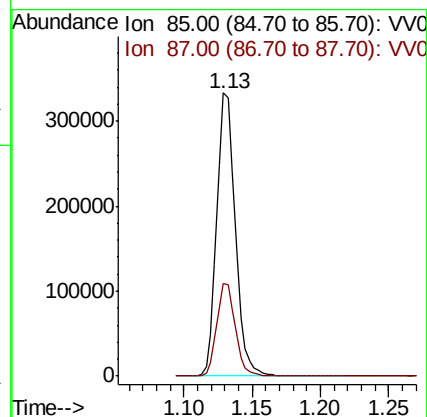
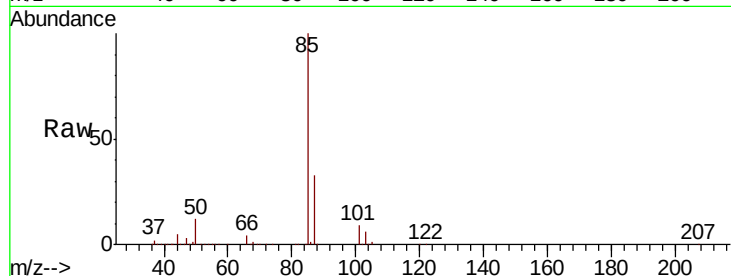
VSTD05081

Tot Ion: 85 Resp: 314813

Ion Ratio Lower Upper

85 100

87 32.5 25.7 38.5



#3

Chloromethane

Concen: 48.849 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019513.D

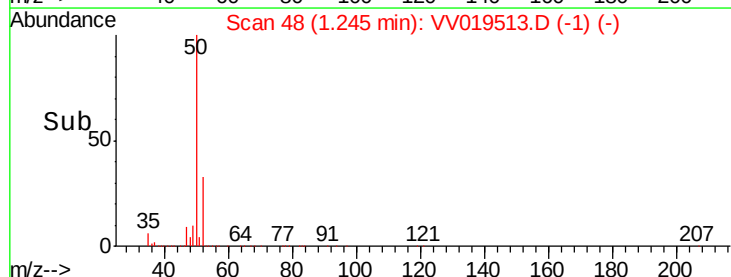
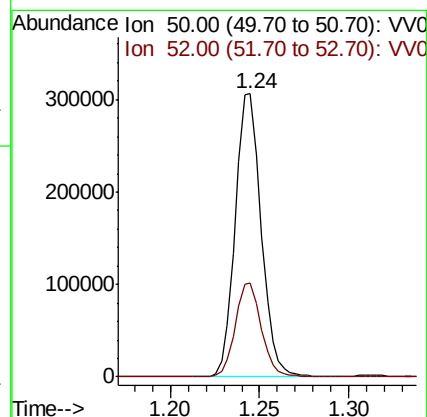
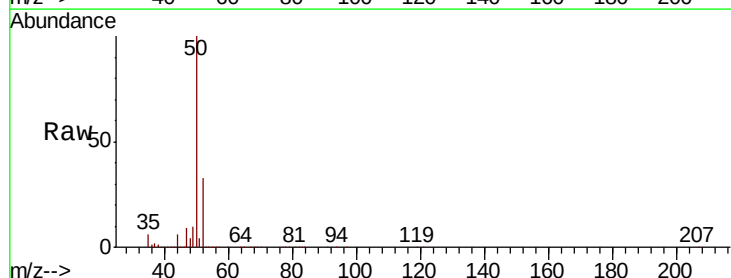
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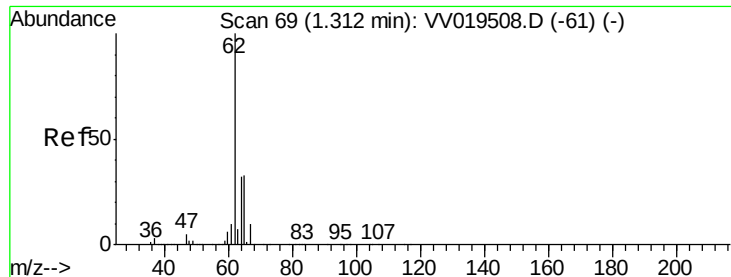
Tgt Ion: 50 Resp: 311022

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 49.680 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

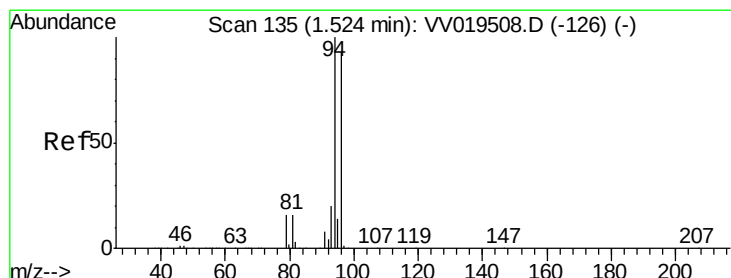
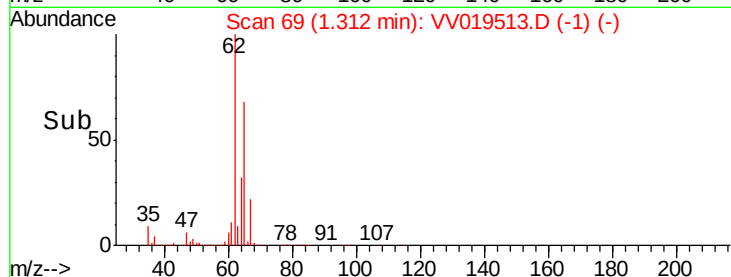
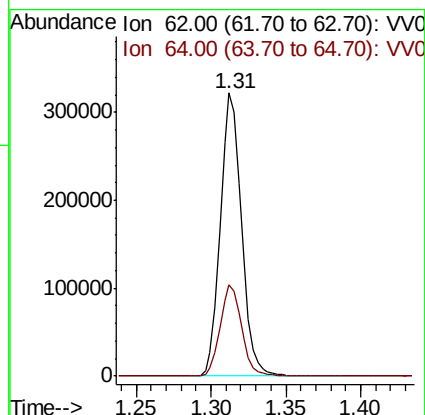
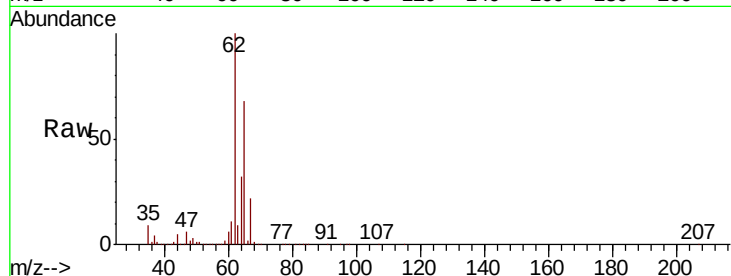
VSTD05081

Tot Ion: 62 Resp: 317277

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



#6

Bromomethane

Concen: 50.976 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019513.D

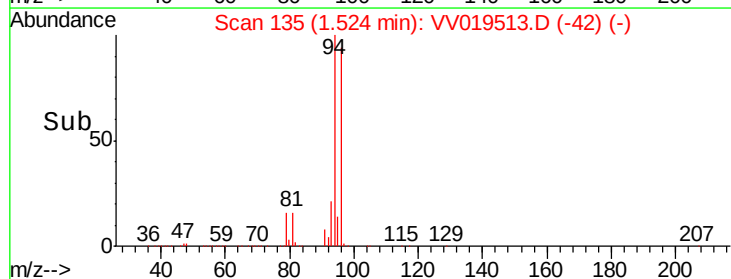
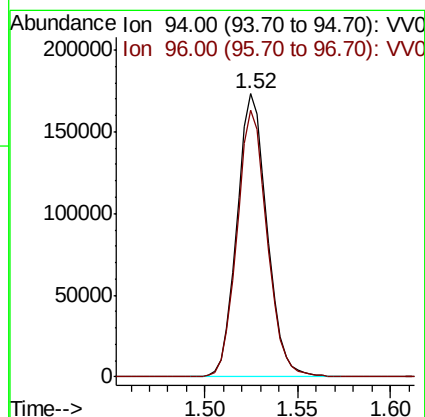
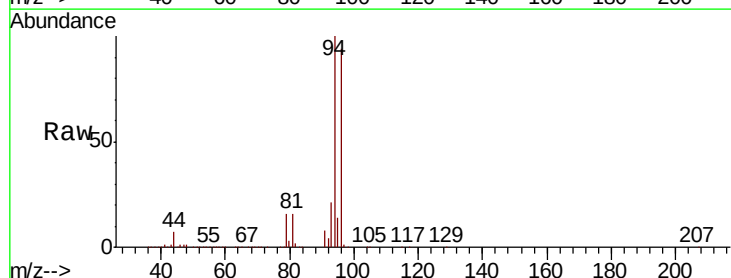
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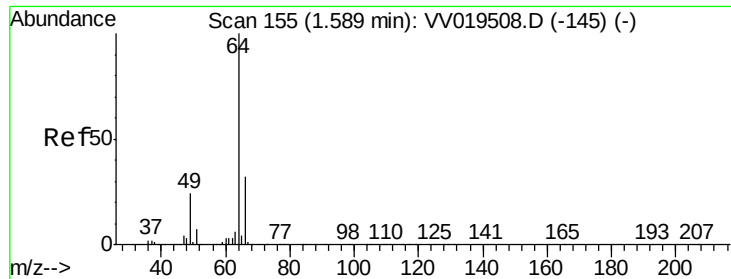
Tgt Ion: 94 Resp: 195508

Ion Ratio Lower Upper

94 100

96 94.0 65.2 121.2

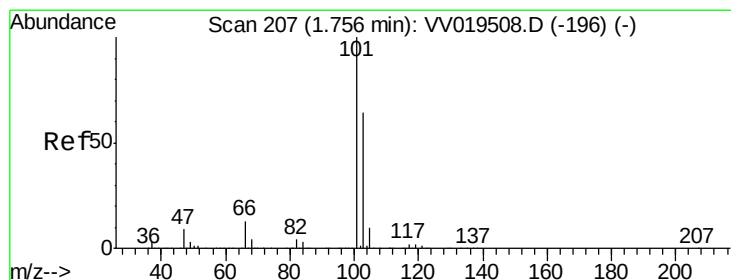
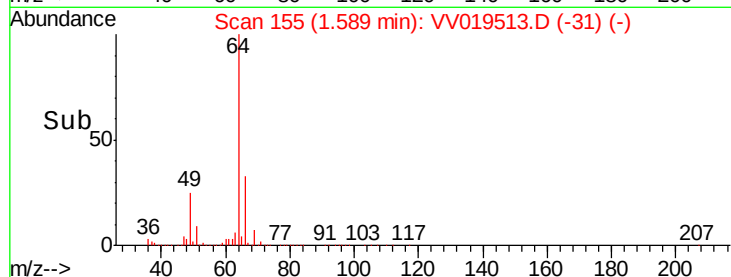
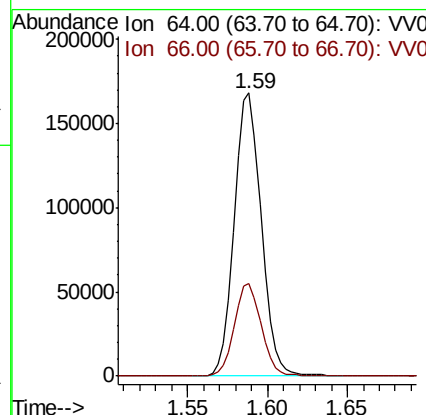
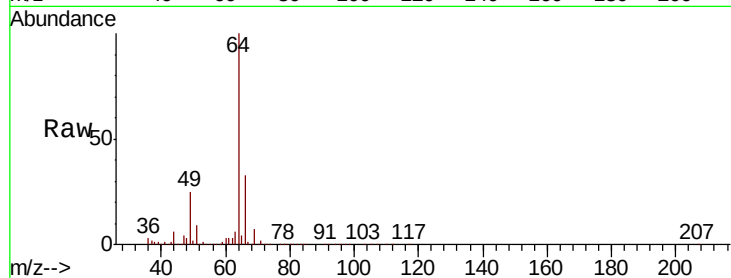




#8
Chloroethane
Concen: 49.884 ug/L
RT: 1.59 min Scan# 155
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

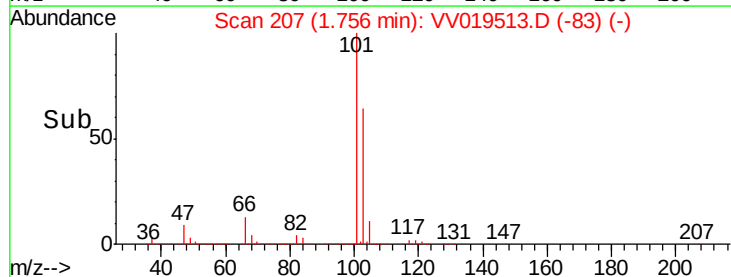
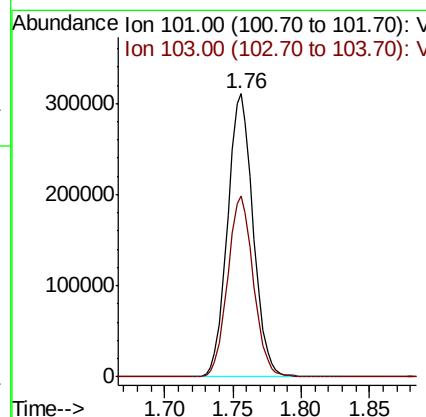
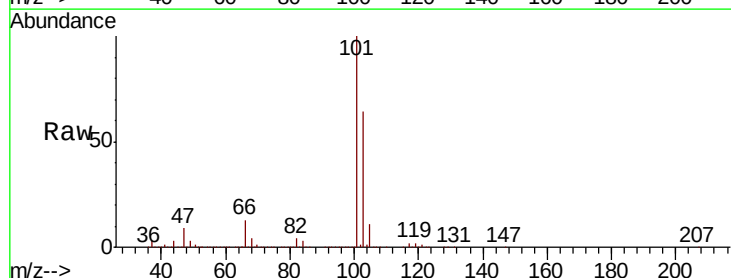
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

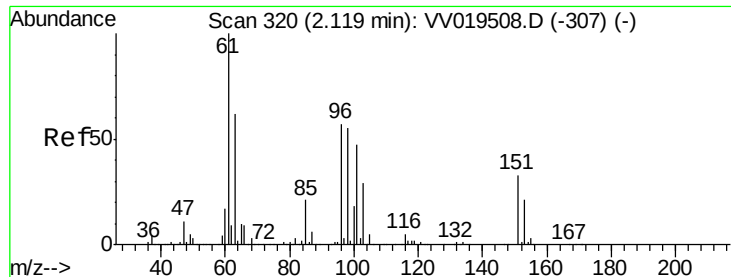
Tot Ion: 64 Resp: 192161
Ion Ratio Lower Upper
64 100
66 32.8 22.5 41.7



#9
Trichlorofluoromethane
Concen: 51.903 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion: 101 Resp: 404984
Ion Ratio Lower Upper
101 100
103 64.4 51.6 77.4





#10

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

Concen: 53.926 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

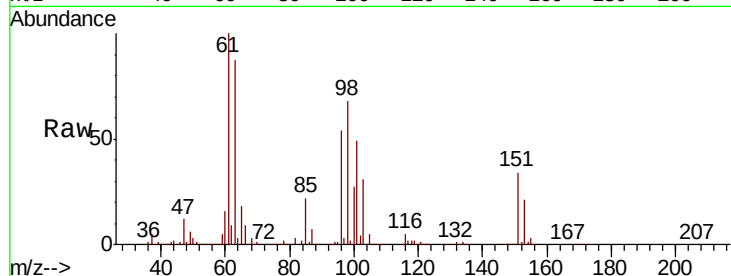
Tot Ion:101 Resp: 232371

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

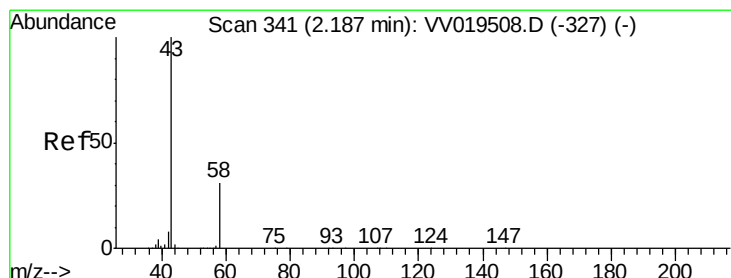
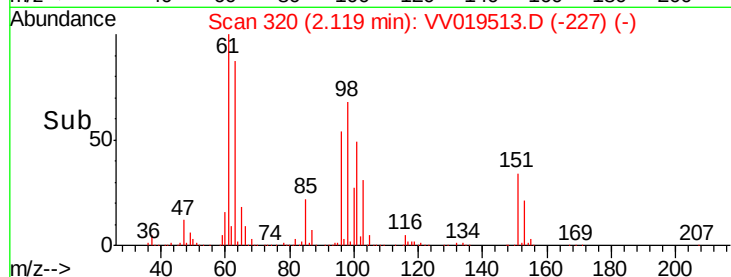
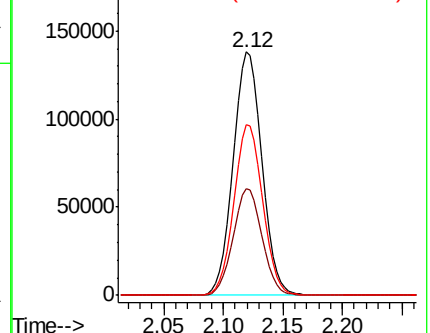
151 69.9 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019513.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019513.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019513.D (-227) (-)



#13

Acetone

Concen: 98.471 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019513.D

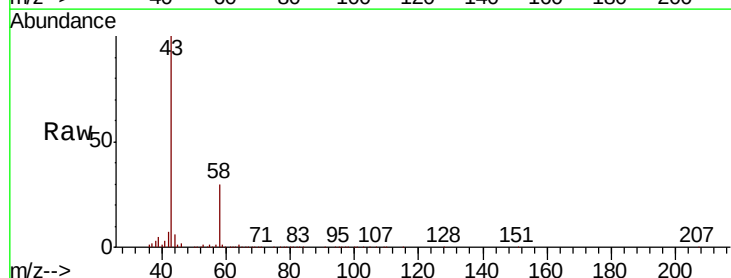
Acq: 10 Dec 2020 16:05

Tgt Ion: 43 Resp: 242683

Ion Ratio Lower Upper

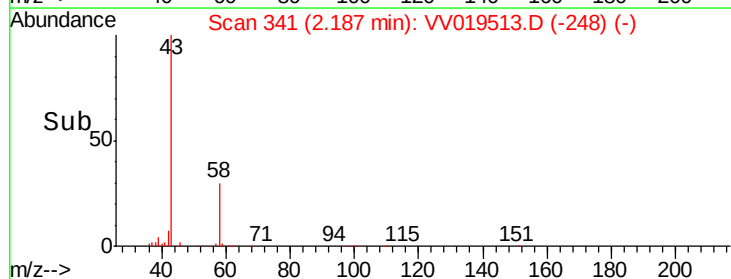
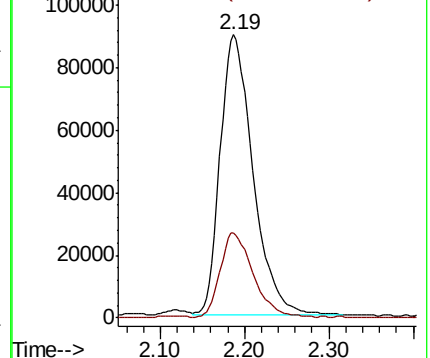
43 100

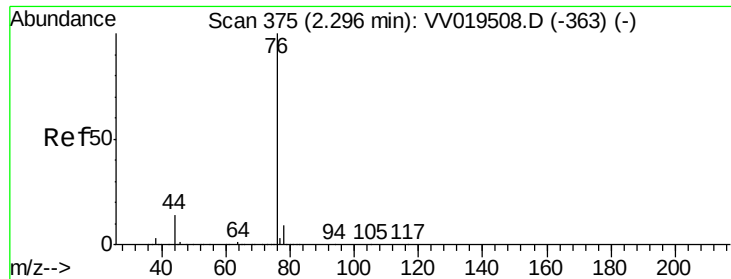
58 29.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019513.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV019513.D (-248) (-)





#14

Carbon disulfide

Concen: 50.543 ug/L

RT: 2.30 min Scan# 375

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

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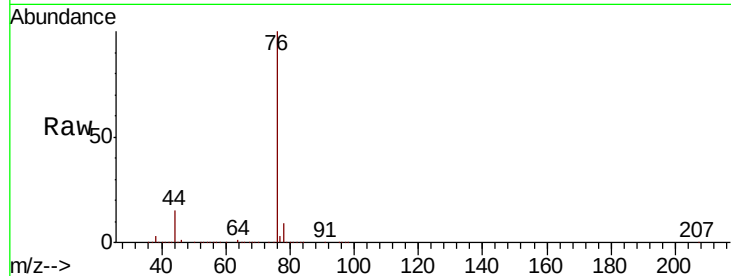
VSTD05081

Tot Ion: 76 Resp: 734352

Ion Ratio Lower Upper

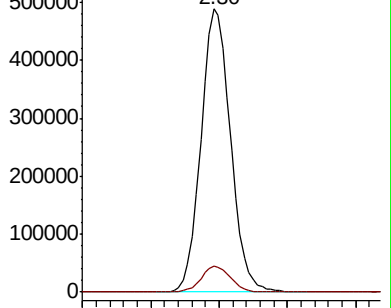
76 100

78 9.2 7.2 10.8

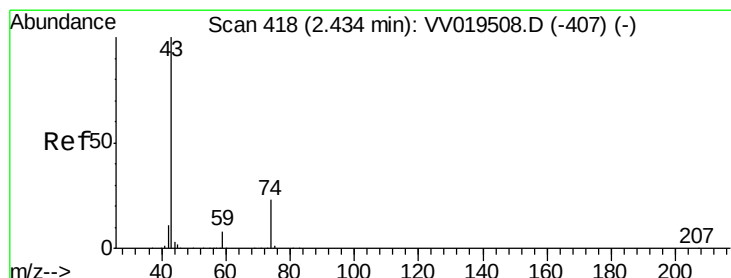
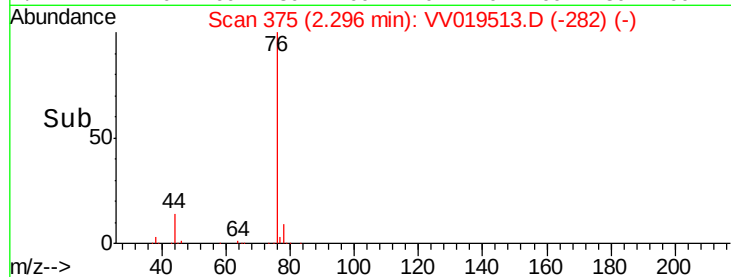


Abundance Ion 76.00 (75.70 to 76.70): VV019508.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VV019508.D (-363) (-)



Time--> 2.20 2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 50.891 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.00 min

Lab File: VV019513.D

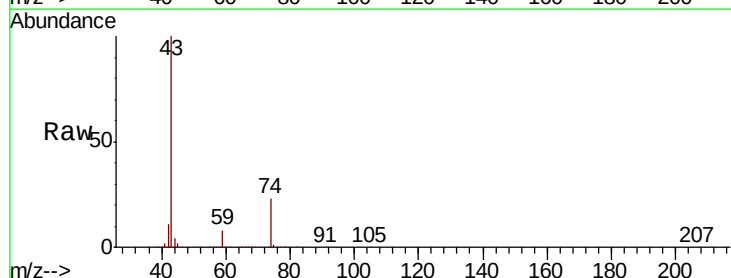
Acq: 10 Dec 2020 16:05

Tgt Ion: 43 Resp: 273257

Ion Ratio Lower Upper

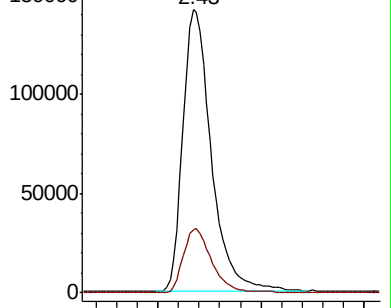
43 100

74 22.5 18.2 27.4

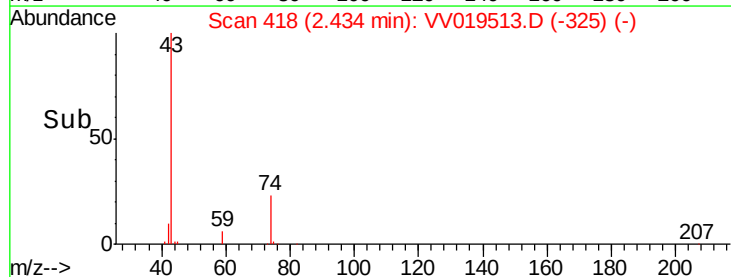


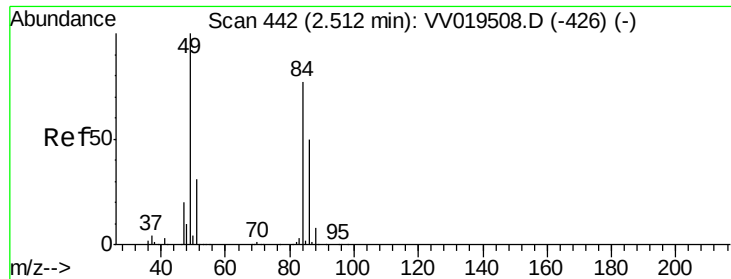
Abundance Ion 43.00 (42.70 to 43.70): VV019508.D (-407) (-)

Ion 74.00 (73.70 to 74.70): VV019508.D (-407) (-)



Time--> 2.40 2.45 2.50

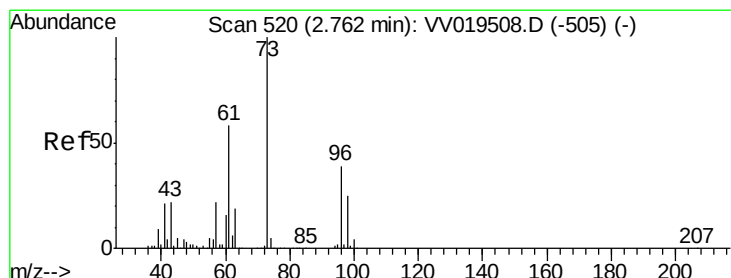
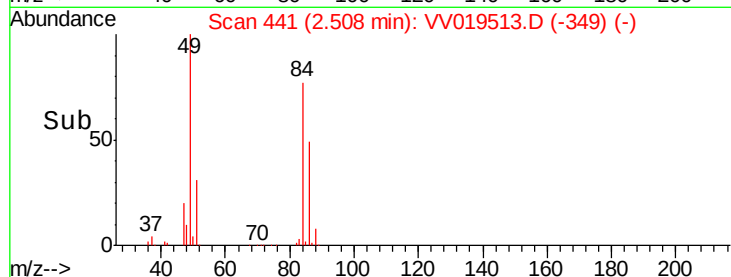
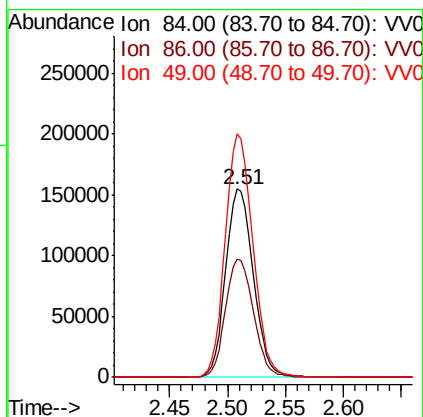
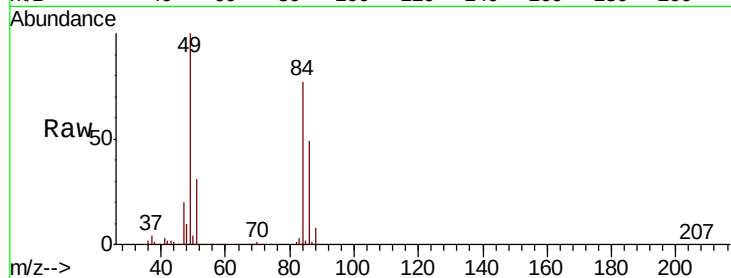




#16
Methvlene chloride
Concen: 49.317 ug/L
RT: 2.51 min Scan# 441
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

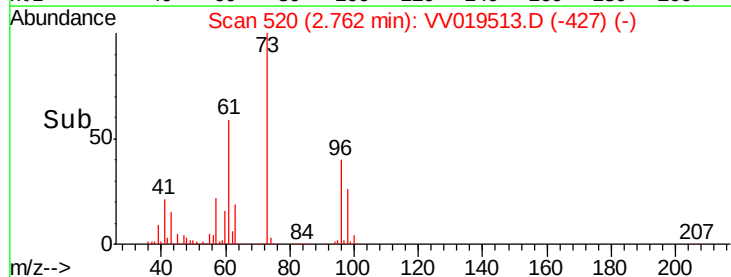
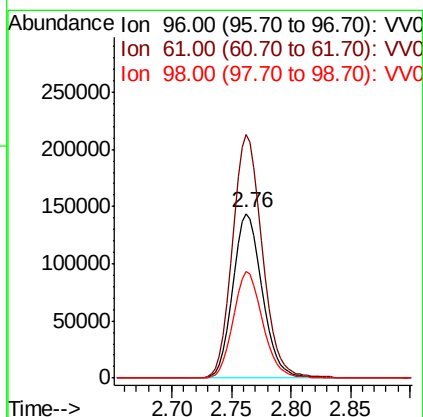
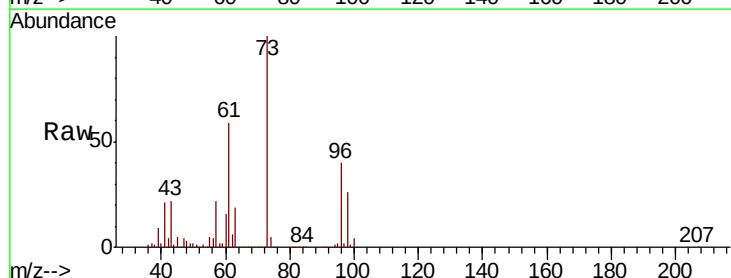
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

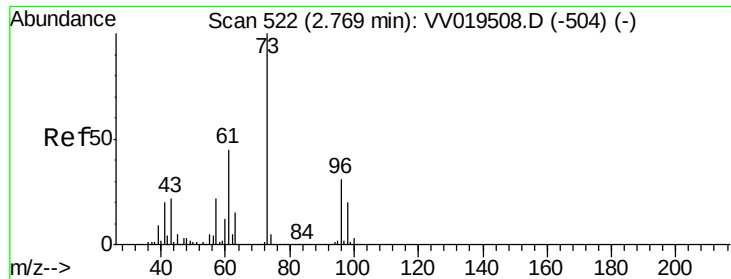
Tot Ion: 84 Resp: 255678
Ion Ratio Lower Upper
84 100
86 63.1 45.7 84.9
49 129.5 90.6 168.3



#17
trans-1,2-Dichloroethene
Concen: 51.163 ug/L
RT: 2.76 min Scan# 520
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion: 96 Resp: 247966
Ion Ratio Lower Upper
96 100
61 147.7 103.5 192.1
98 64.4 44.4 82.5

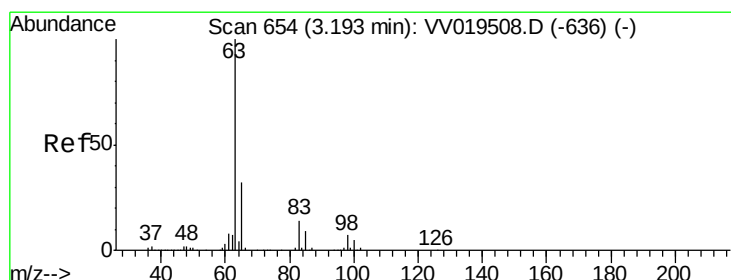
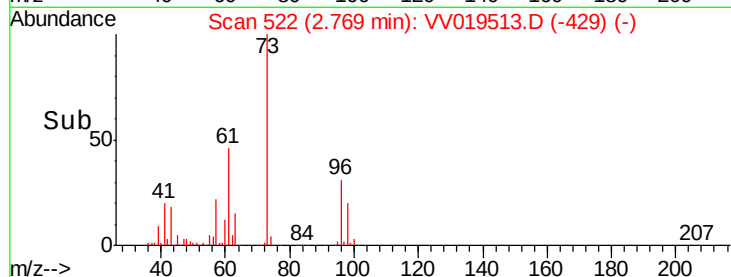
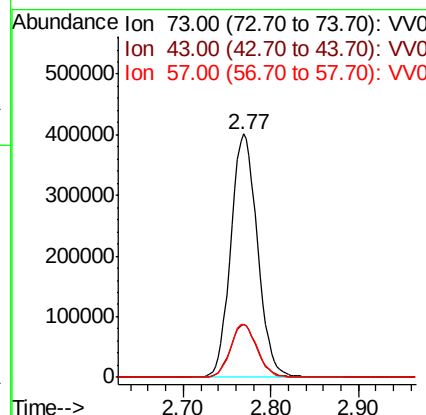
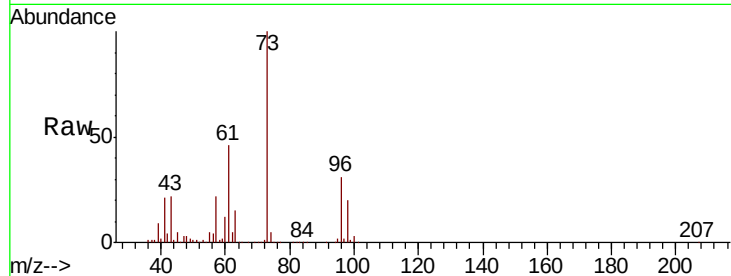




#18
Methyl tert-butyl Ether
Concen: 50.146 ug/L
RT: 2.77 min Scan# 522
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

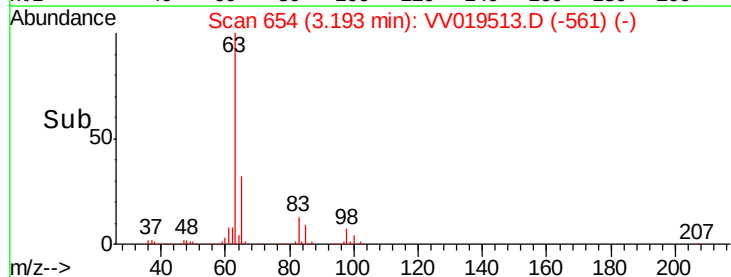
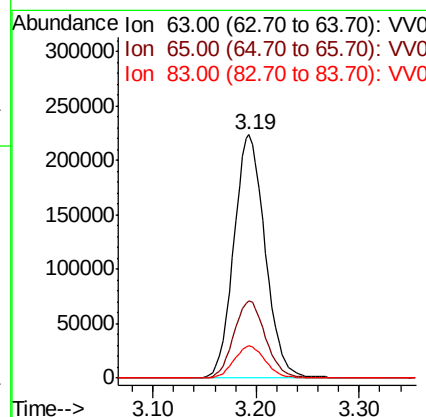
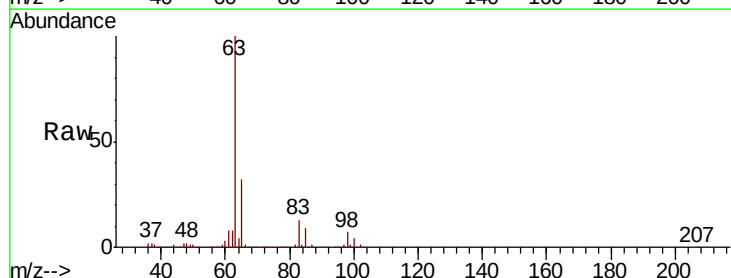
Instrument :
MSVOA_V
ClientSampled :
VSTD05081

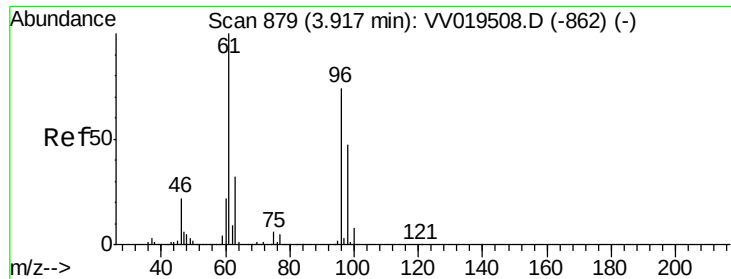
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.3	25.9
57	21.9	17.5	26.3



#19
1,1-Dichloroethane
Concen: 50.206 ug/L
RT: 3.19 min Scan# 654
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.4	41.6
83	13.2	9.6	17.8

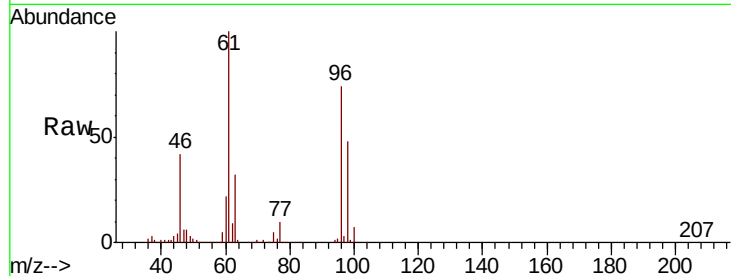




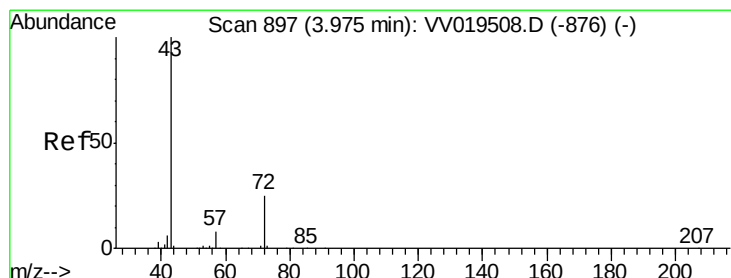
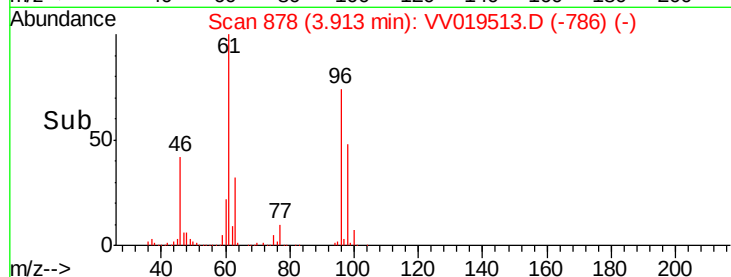
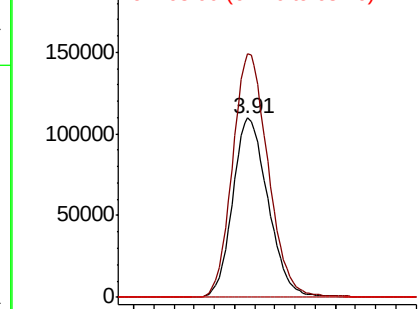
#20
 cis-1,2-Dichloroethene
 Concen: 50.211 ug/L
 RT: 3.91 min Scan# 878
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion: 96 Resp: 267519
 Ion Ratio Lower Upper
 96 100
 61 135.9 94.1 174.8
 68 0.1 0.1 0.1

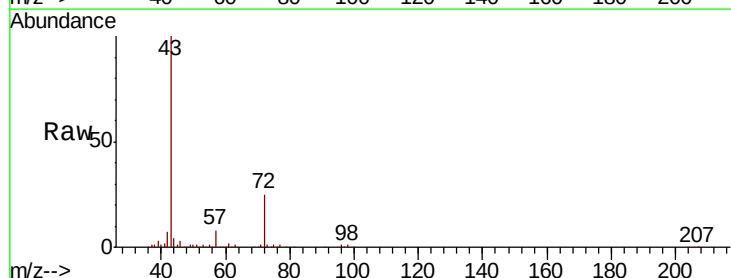


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

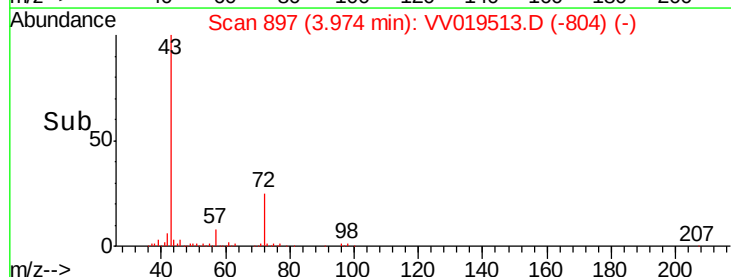
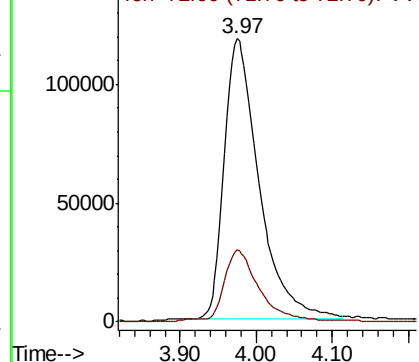


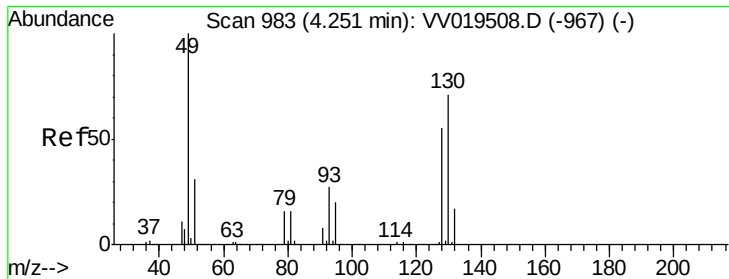
#22
 2-Butanone
 Concen: 104.662 ug/L
 RT: 3.97 min Scan# 897
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Tgt Ion: 43 Resp: 378363
 Ion Ratio Lower Upper
 43 100
 72 24.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0





#23

Bromochloromethane

Concen: 50.558 ug/L

RT: 4.25 min Scan# 983

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tot Ion:128 Resp: 132536

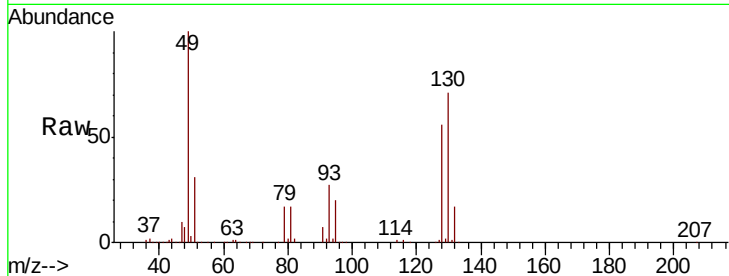
Ion Ratio Lower Upper

128 100

49 177.7 127.0 235.8

130 125.7 90.3 167.7

51 55.0 44.5 66.7

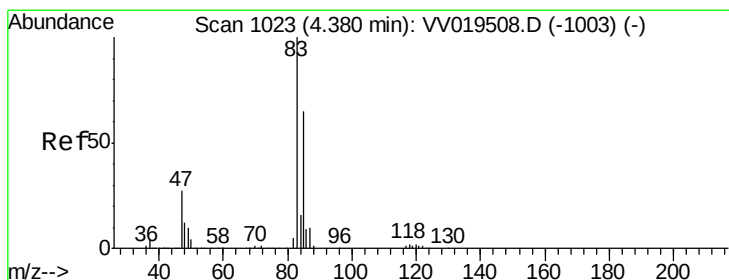
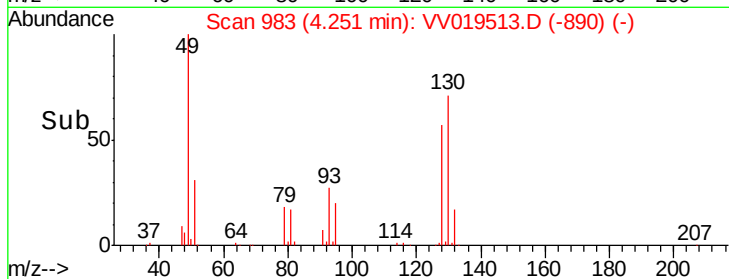
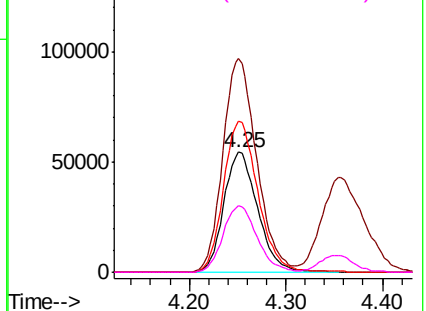


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 50.278 ug/L

RT: 4.38 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VV019513.D

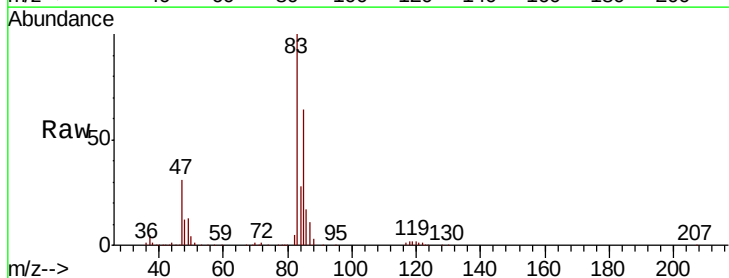
Acq: 10 Dec 2020 16:05

Tgt Ion: 83 Resp: 471822

Ion Ratio Lower Upper

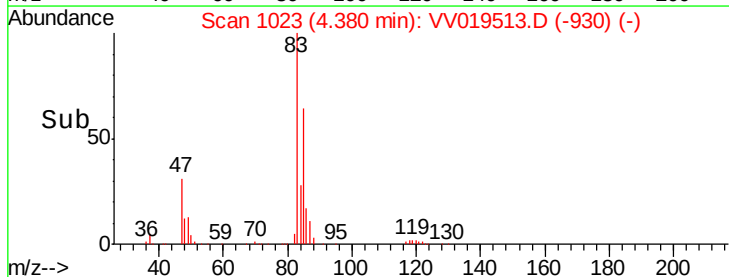
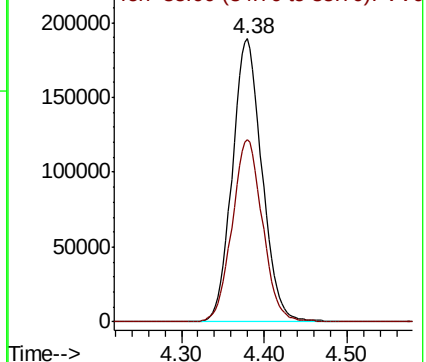
83 100

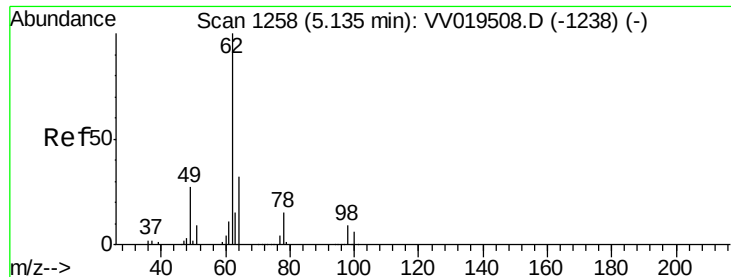
85 64.4 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 50.692 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

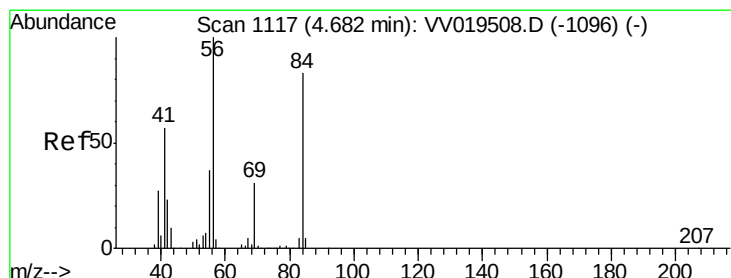
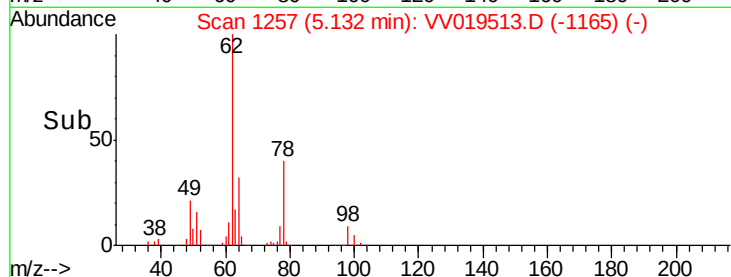
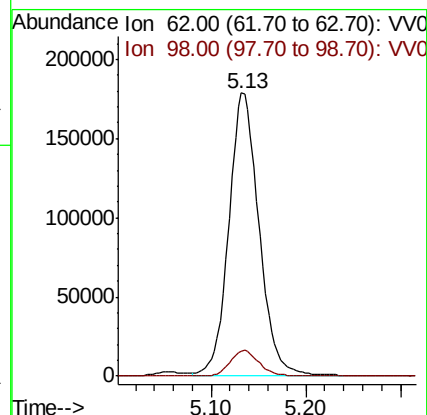
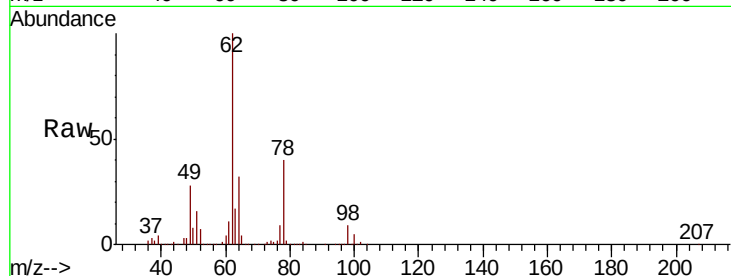
VSTD05081

Tot Ion: 62 Resp: 394100

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.0



#29

Cyclohexane

Concen: 52.724 ug/L

RT: 4.68 min Scan# 1117

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

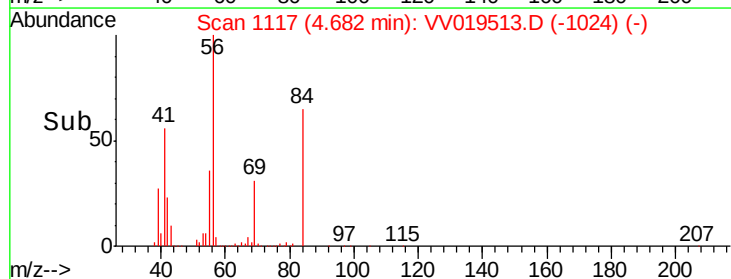
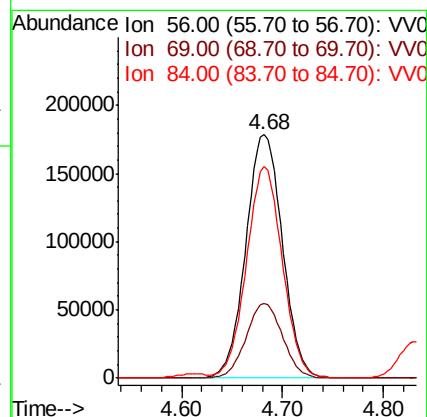
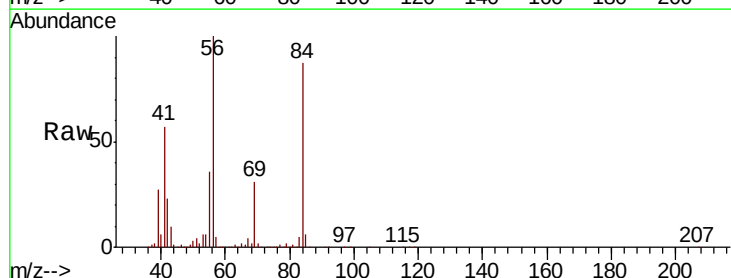
Tgt Ion: 56 Resp: 448635

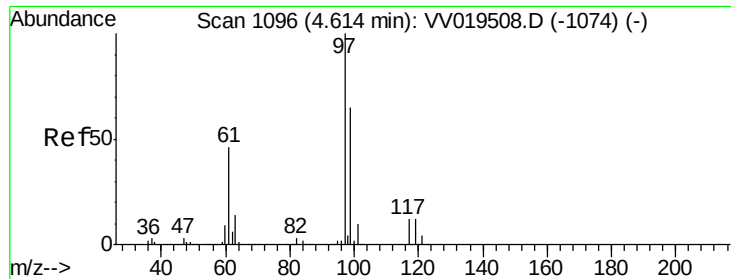
Ion Ratio Lower Upper

56 100

69 30.6 24.6 37.0

84 85.1 68.2 102.4

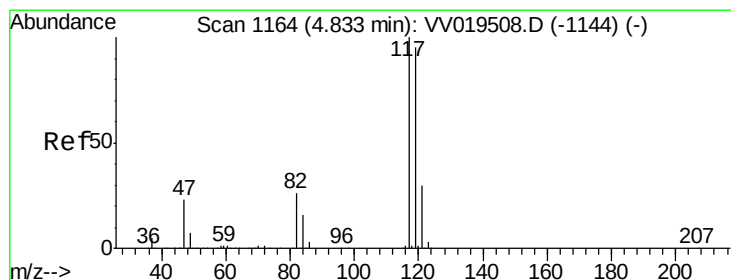
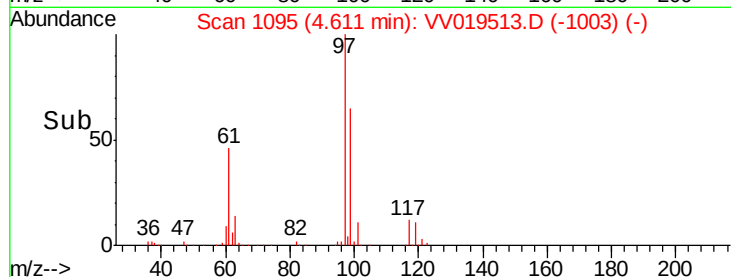
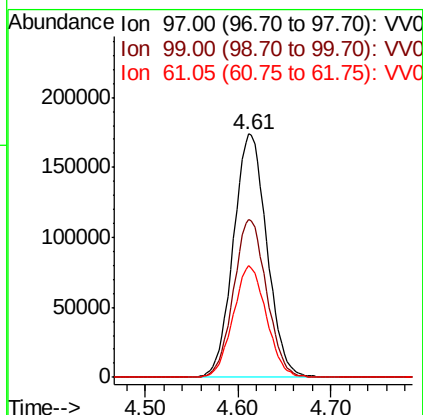
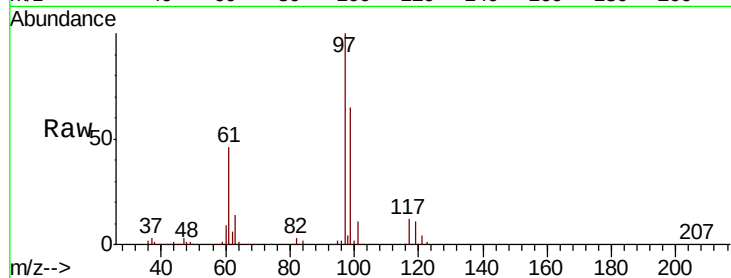




#30
 1,1,1-Trichloroethane
 Concen: 50.010 ug/L
 RT: 4.61 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

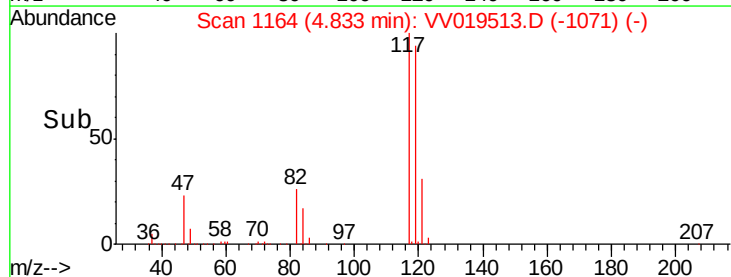
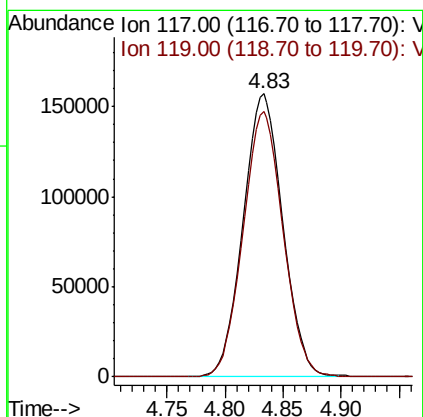
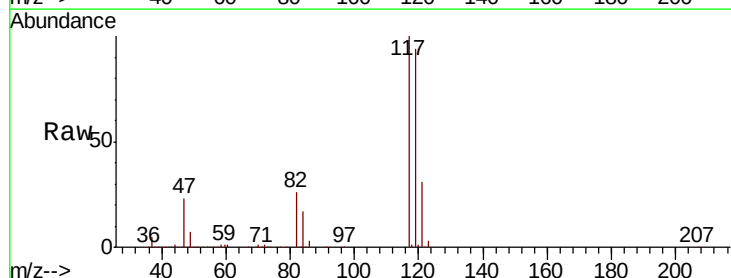
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

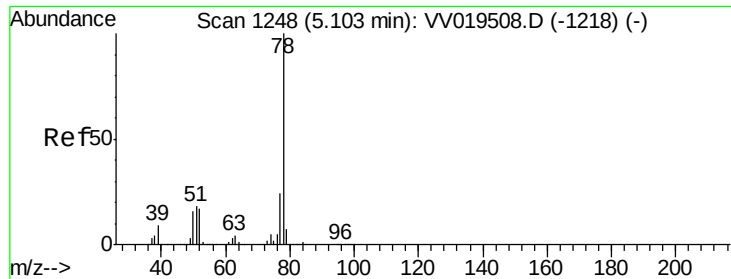
Tot Ion: 97 Resp: 435352
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.3 76.9
 61 45.5 36.3 54.5



#31
 Carbon tetrachloride
 Concen: 50.848 ug/L
 RT: 4.83 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Tgt Ion: 117 Resp: 373670
 Ion Ratio Lower Upper
 117 100
 119 94.7 75.7 113.5





#33

Benzene

Concen: 50.095 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

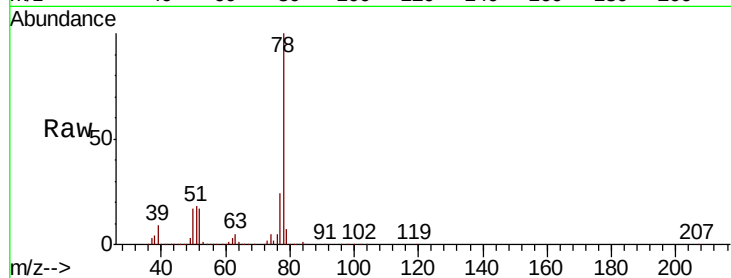
Instrument :

MSVOA_V

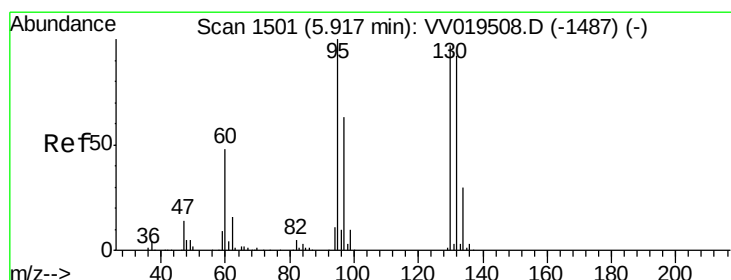
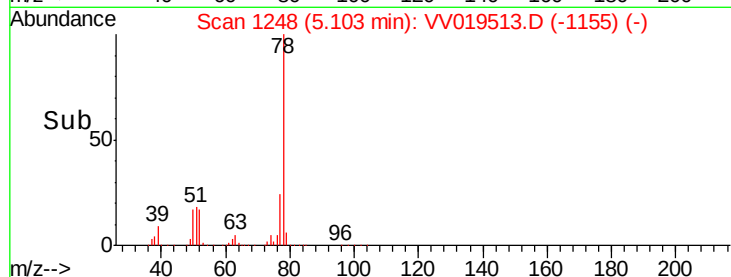
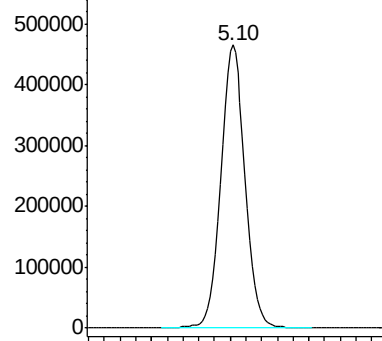
ClientSampleId :

VSTD05081

Tgt Ion: 78 Resp: 1016466



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 50.813 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Tgt Ion: 95 Resp: 272360

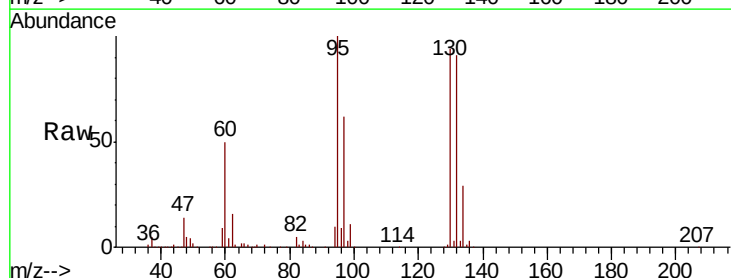
Ion	Ratio	Lower	Upper
95	100		
97	62.3	44.4	82.4
132	90.7	64.3	119.3
130	94.3	67.8	125.8

95 100

97 62.3 44.4 82.4

132 90.7 64.3 119.3

130 94.3 67.8 125.8

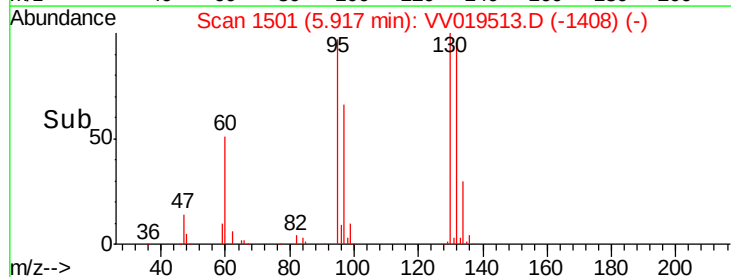
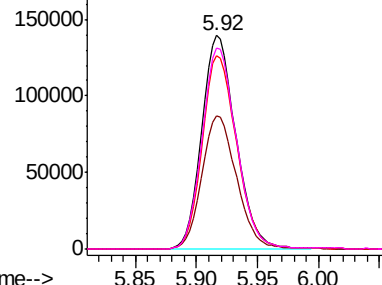


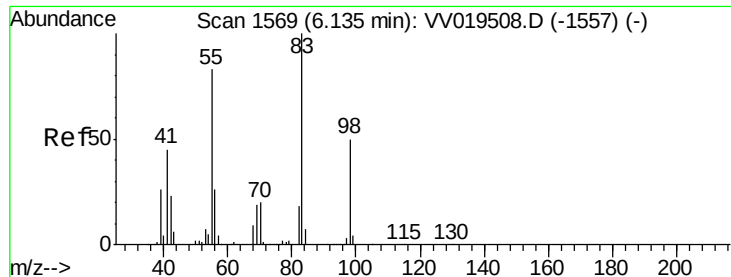
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

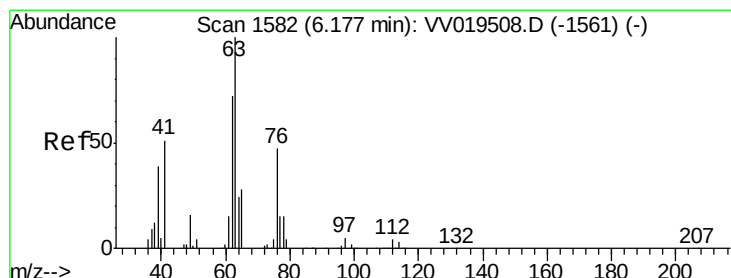
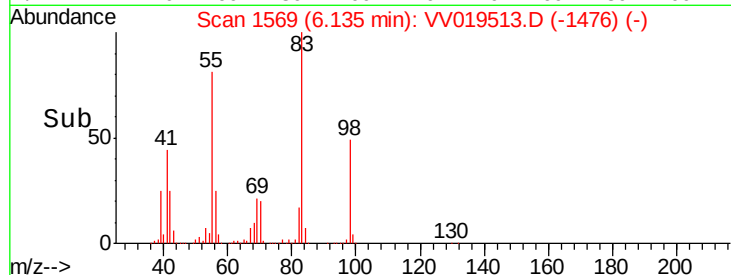
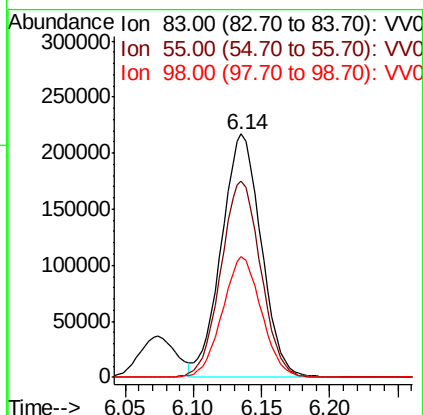
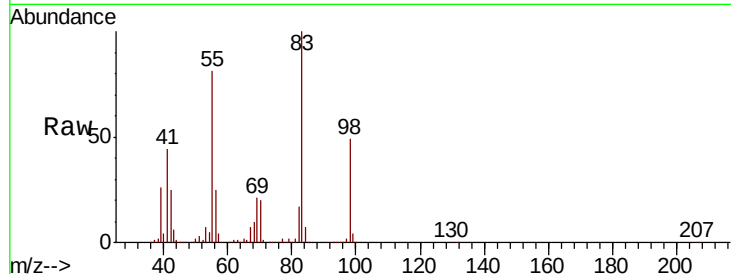




#35
Methylcyclohexane
Concen: 53.835 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

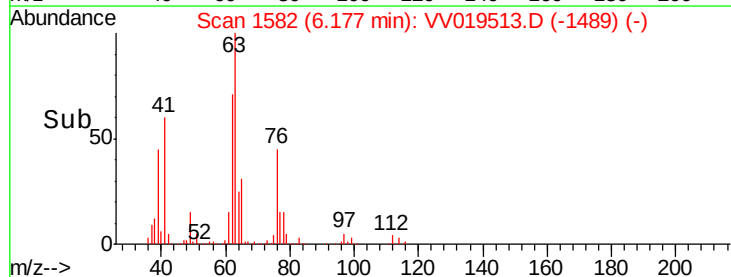
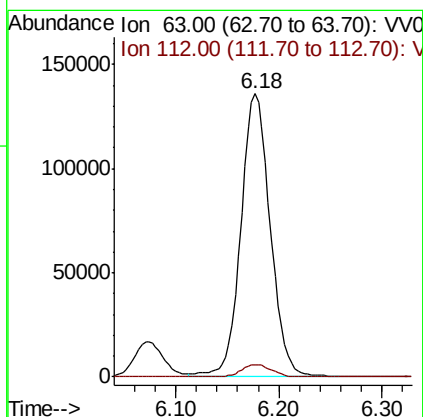
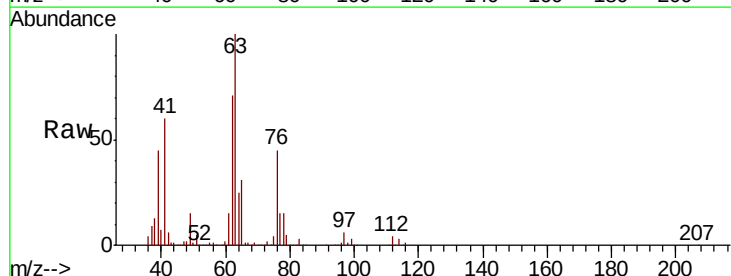
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

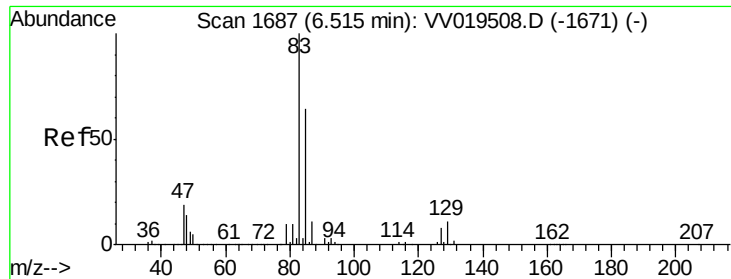
Tot Ion	83	Resp	438366
Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.2	96.4
98	48.6	39.3	58.9



#37
1,2-Dichloropropane
Concen: 50.401 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion	63	Resp	267069
Ion	Ratio	Lower	Upper
63	100		
112	4.5	3.5	5.3

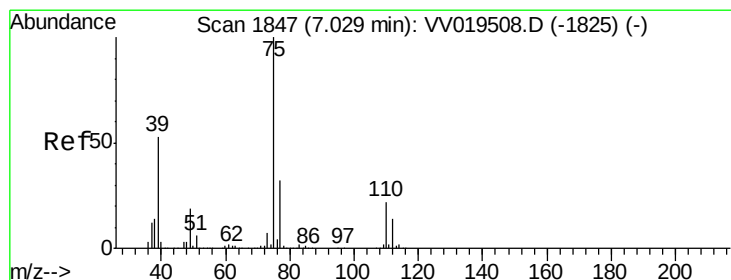
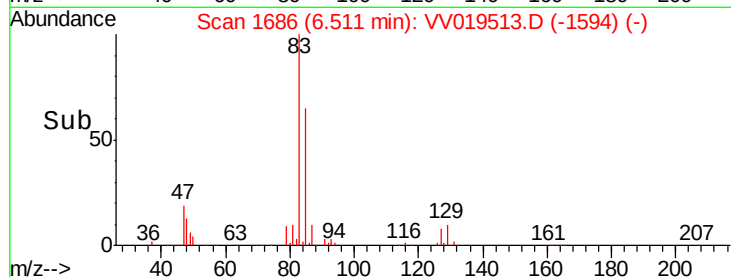
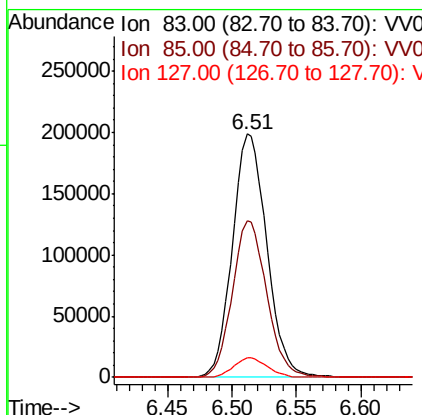
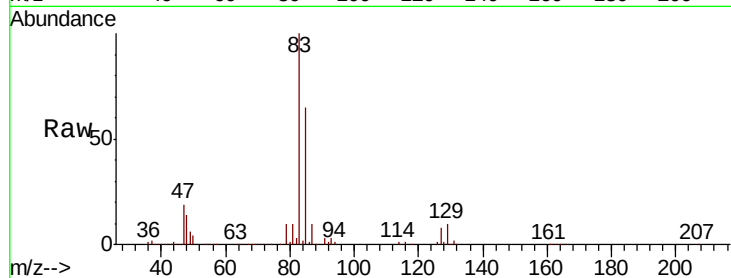




#38
 Bromodichloromethane
 Concen: 49.777 ug/L
 RT: 6.51 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

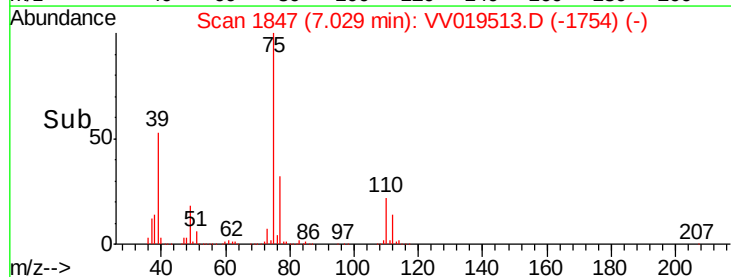
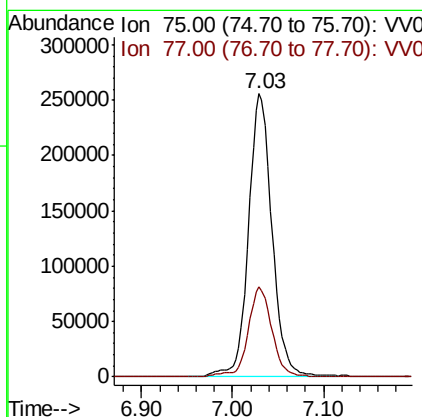
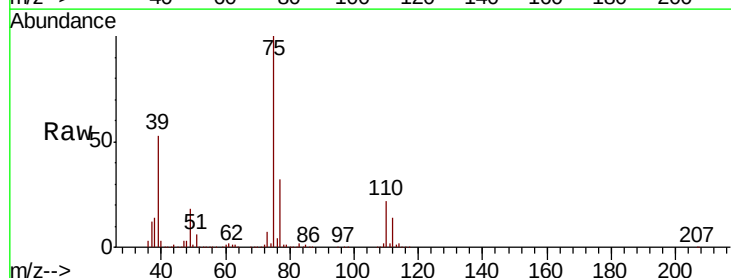
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

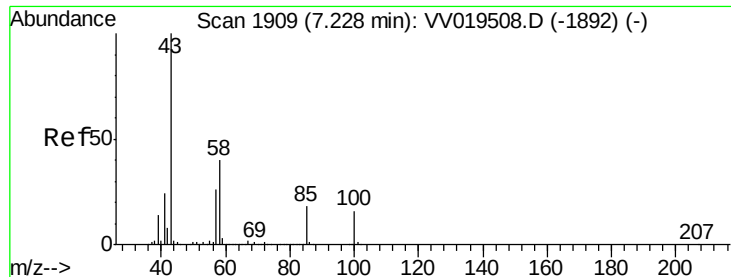
Tot Ion	83	Resp	368827
Ion Ratio	Lower	Upper	
83	100		
85	64.5	44.9	83.5
127	7.9	6.7	10.1



#39
 cis-1,3-Dichloropropene
 Concen: 52.287 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Tgt Ion	75	Resp	460158
Ion Ratio	Lower	Upper	
75	100		
77	31.6	22.4	41.6

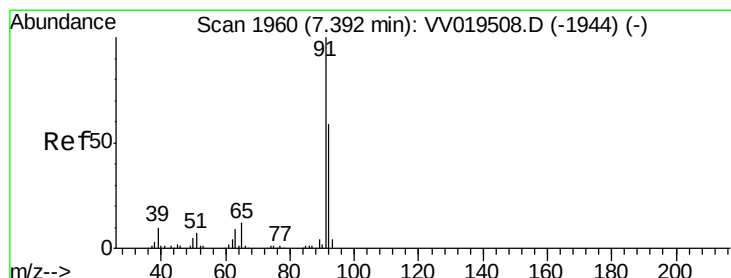
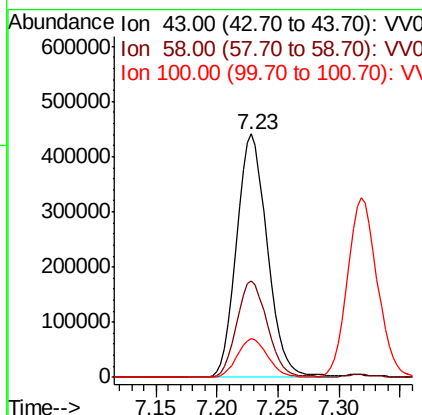
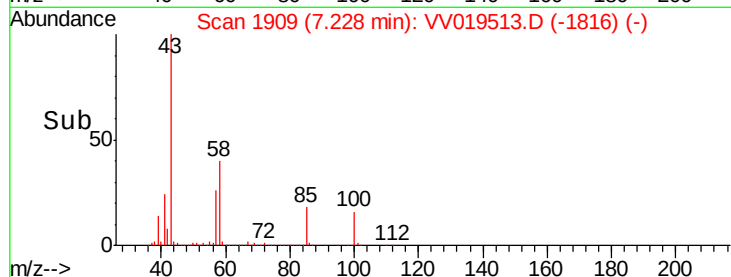
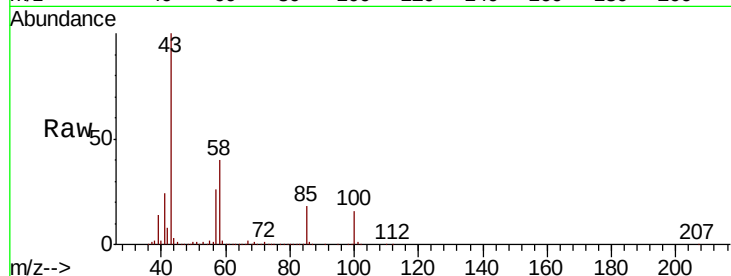




#40
4-Methyl-2-pentanone
Concen: 100.296 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

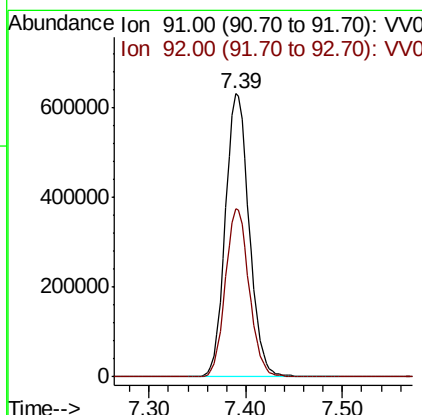
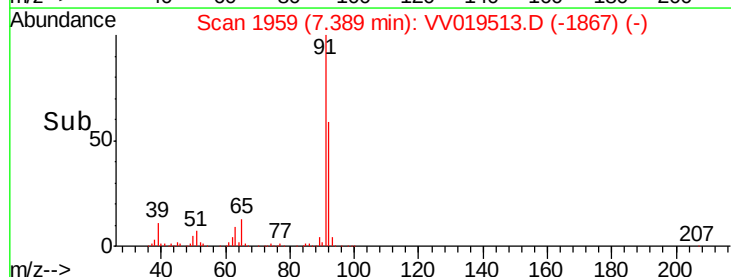
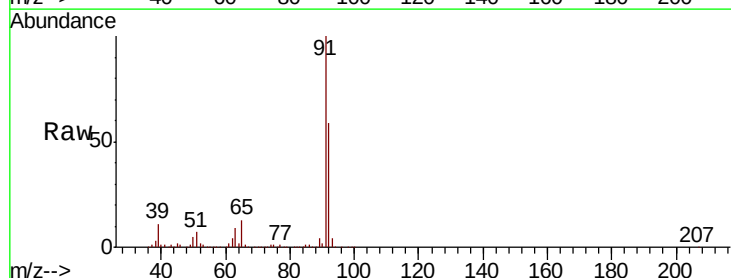
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

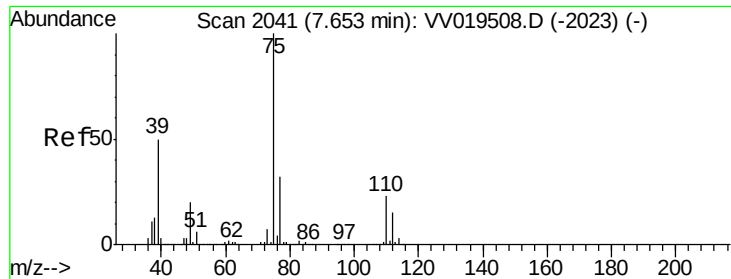
Tot Ion: 43 Resp: 766737
Ion Ratio Lower Upper
43 100
58 39.9 31.7 47.5
100 15.7 12.5 18.7



#42
Toluene
Concen: 50.440 ug/L
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion: 91 Resp: 1078684
Ion Ratio Lower Upper
91 100
92 59.3 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 50.604 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

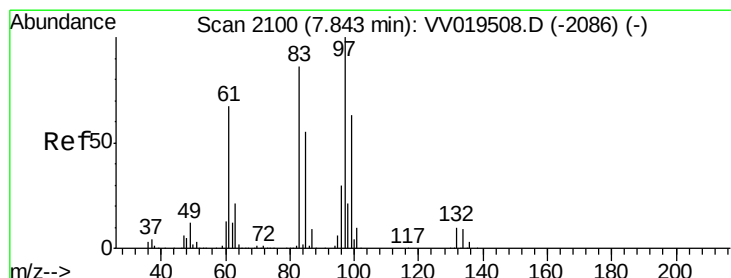
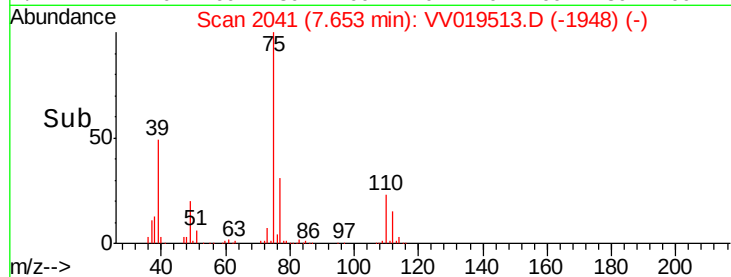
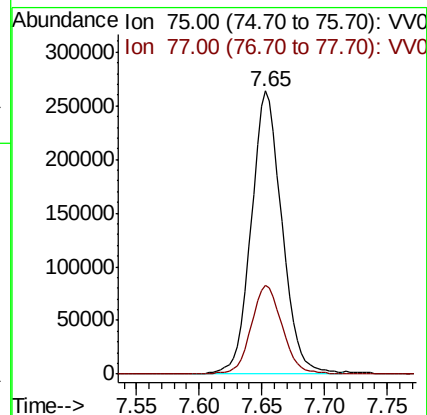
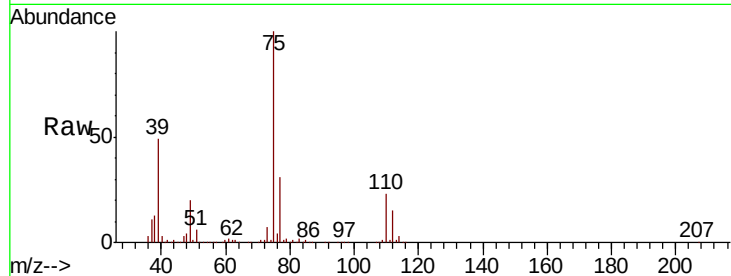
VSTD05081

Tot Ion: 75 Resp: 450942

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.9



#45

1,1,2-Trichloroethane

Concen: 49.678 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Tgt Ion: 97 Resp: 249975

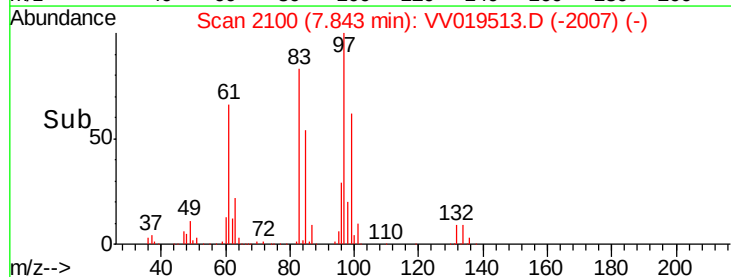
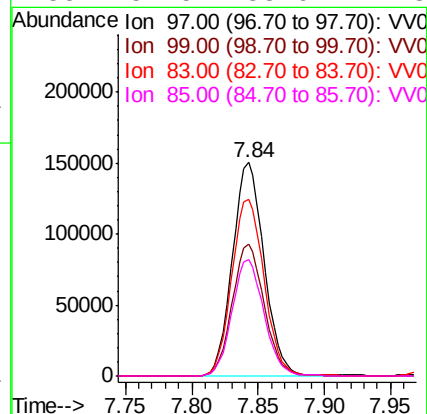
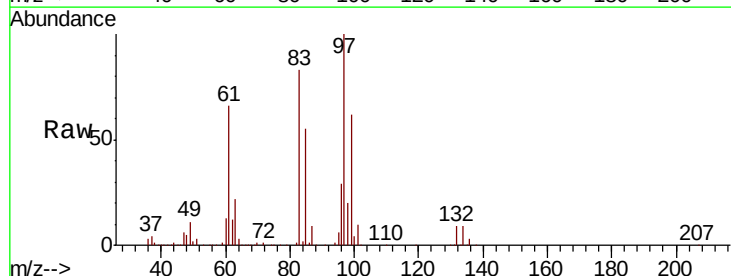
Ion Ratio Lower Upper

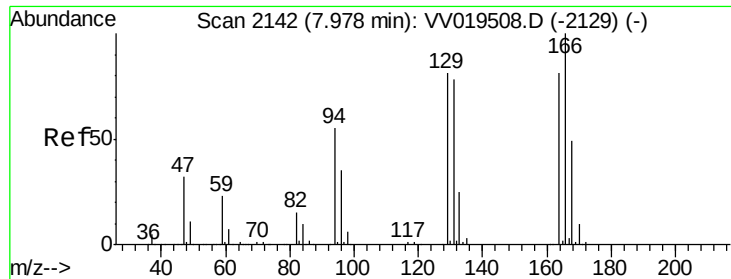
97 100

99 61.7 44.1 81.9

83 82.8 60.0 111.4

85 54.5 38.6 71.8

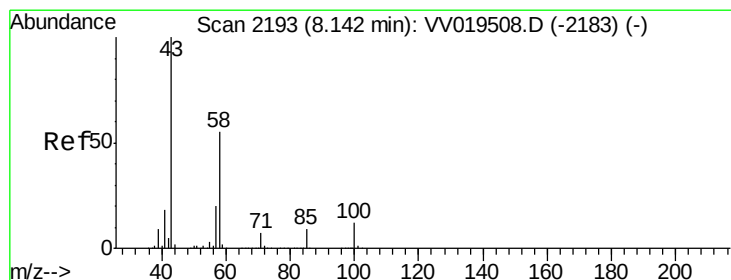
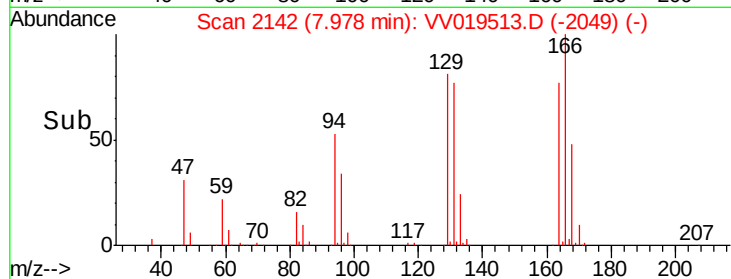
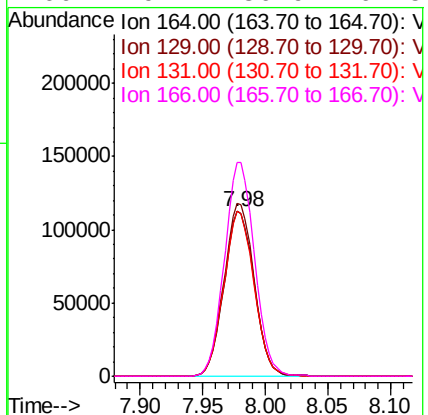
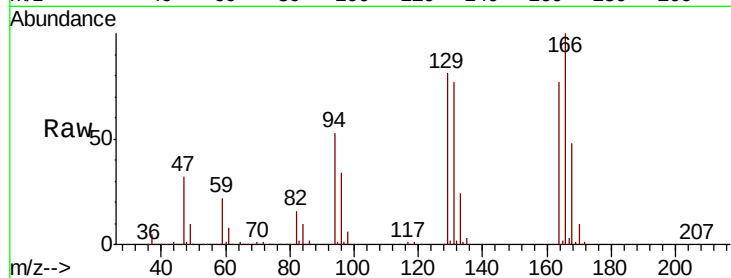




#46
Tetrachloroethene
Concen: 50.977 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

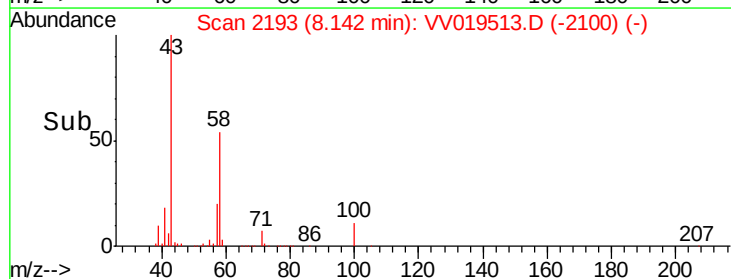
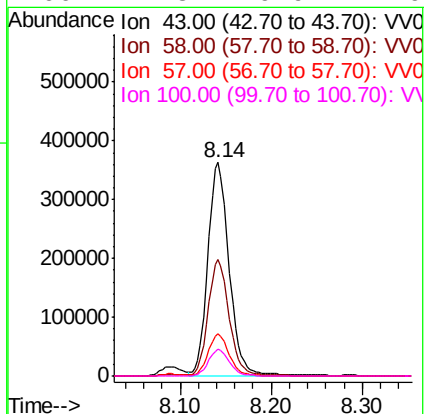
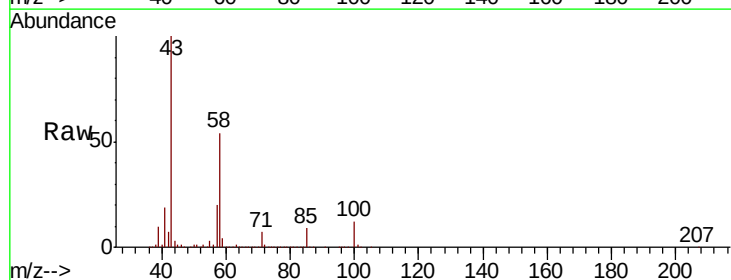
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

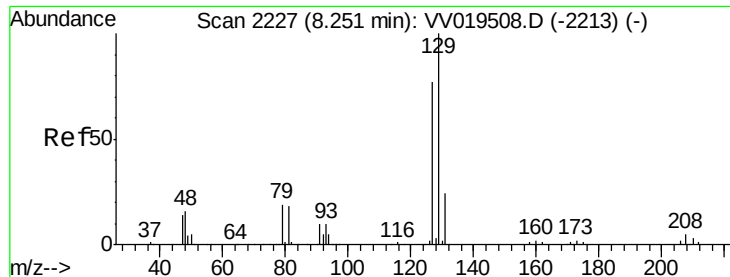
Tot Ion:	164	Resp:	189067
Ion	Ratio	Lower	Upper
164	100		
129	104.8	70.6	131.0
131	100.3	68.0	126.4
166	129.7	86.9	161.5



#48
2-Hexanone
Concen: 102.012 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion:	43	Resp:	591741
Ion	Ratio	Lower	Upper
43	100		
58	53.2	44.4	66.6
57	18.7	15.7	23.5
100	12.3	9.9	14.9





#49

Dibromochloromethane

Concen: 50.529 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

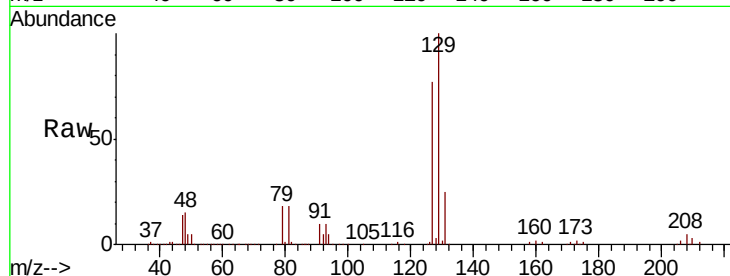
VSTD05081

Tot Ion:129 Resp: 278450

Ion Ratio Lower Upper

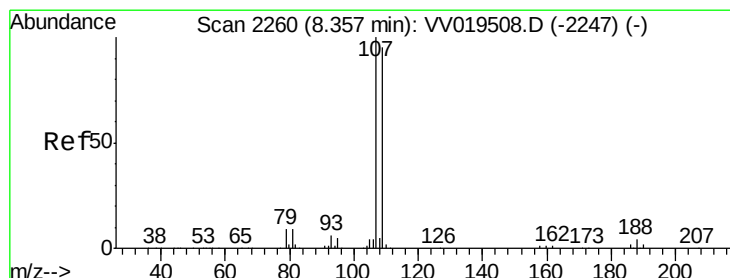
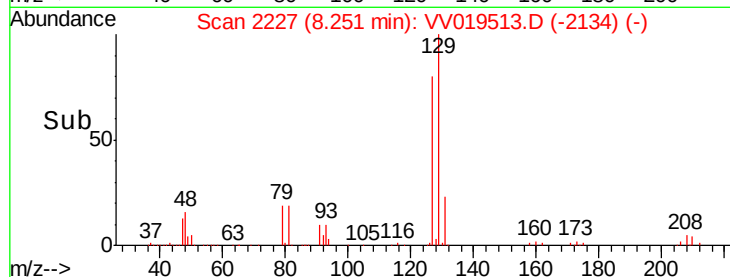
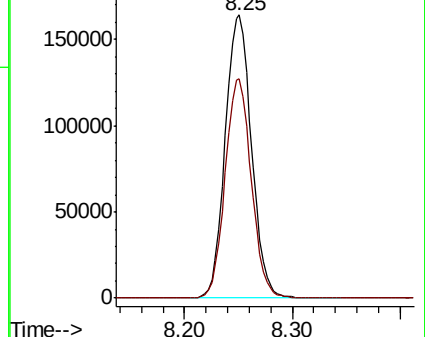
129 100

127 77.5 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: 50.335 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

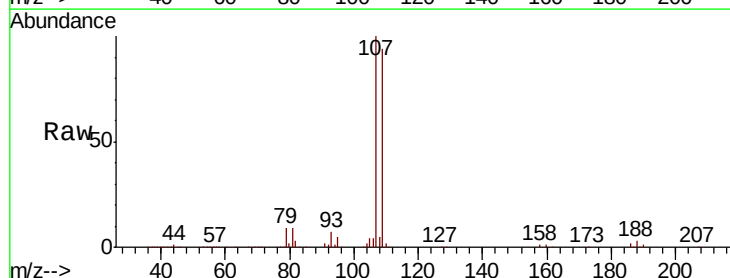
Tgt Ion:107 Resp: 266719

Ion Ratio Lower Upper

107 100

109 94.0 66.4 123.2

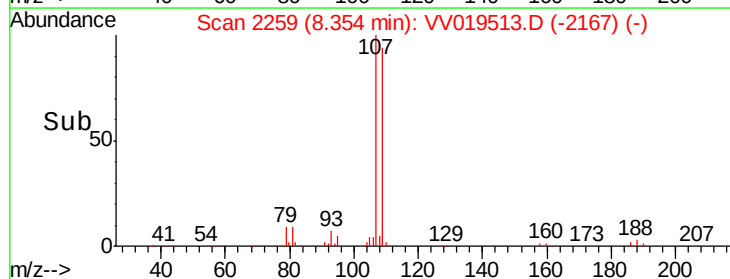
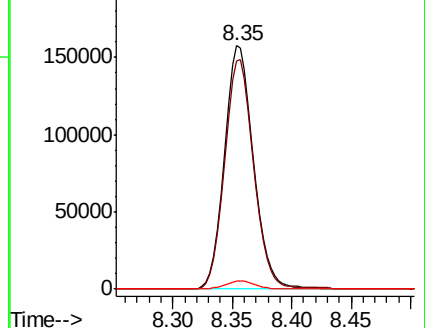
188 3.3 2.9 4.3

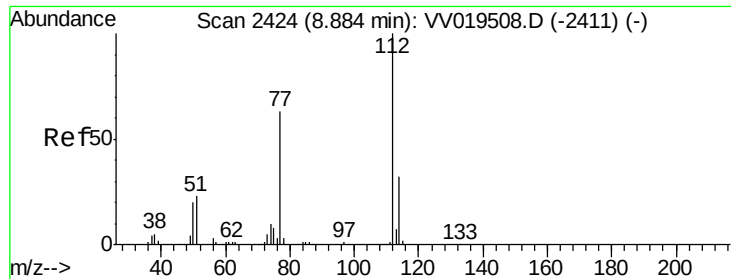


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

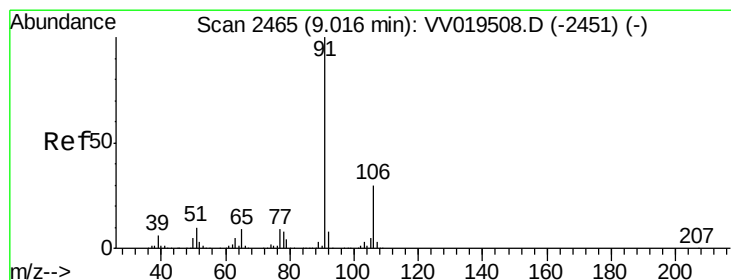
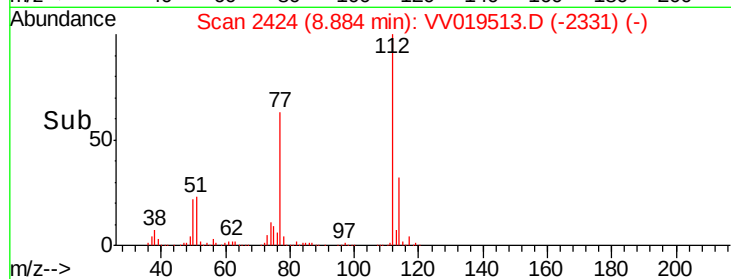
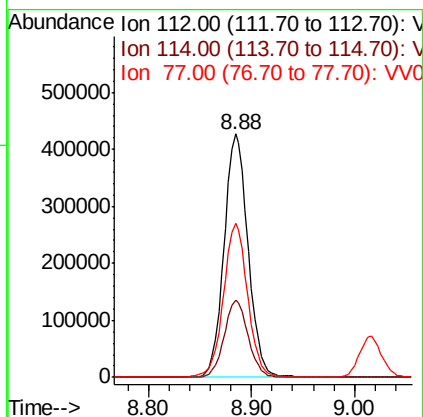
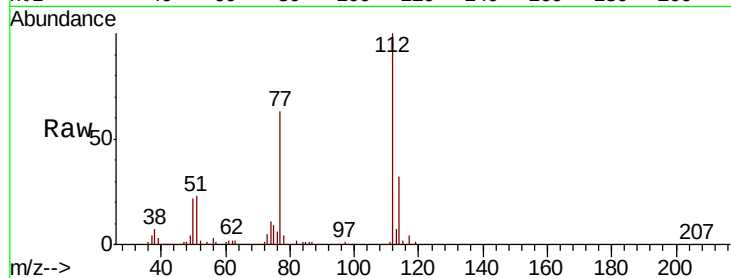




#51
Chlorobenzene
Concen: 50.652 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

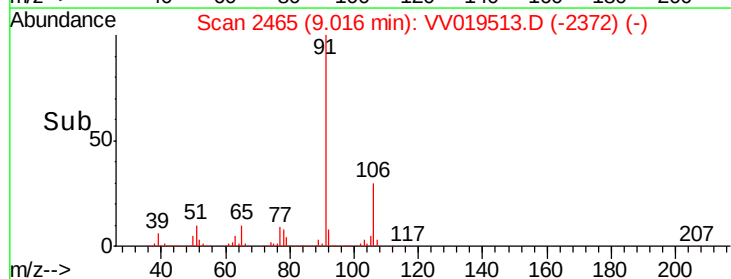
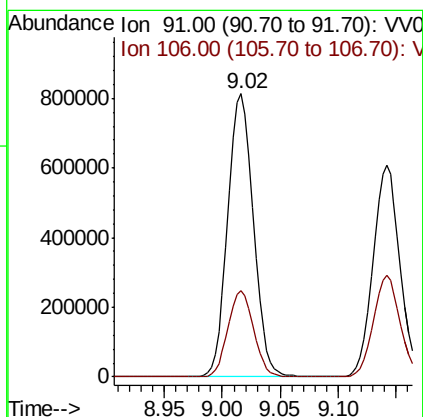
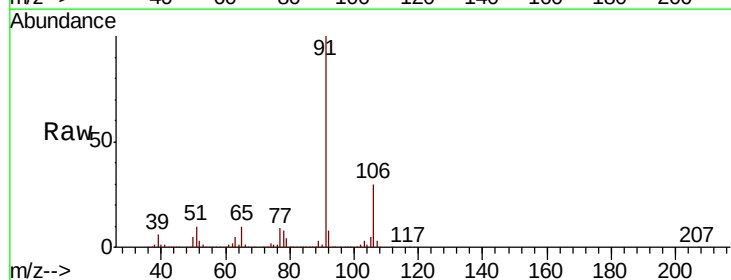
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

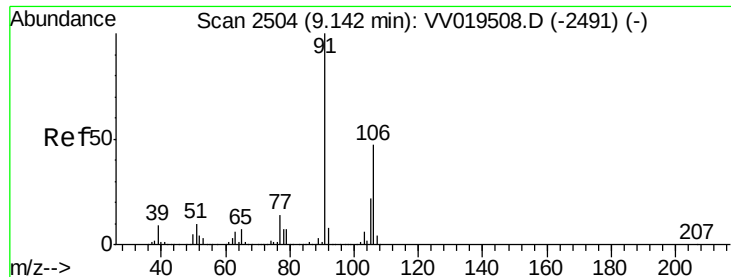
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.2	41.2
77	63.3	50.6	75.8



#52
Ethylbenzene
Concen: 51.051 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.5	21.1	39.3





#53

m,p-Xylene

Concen: 51.160 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

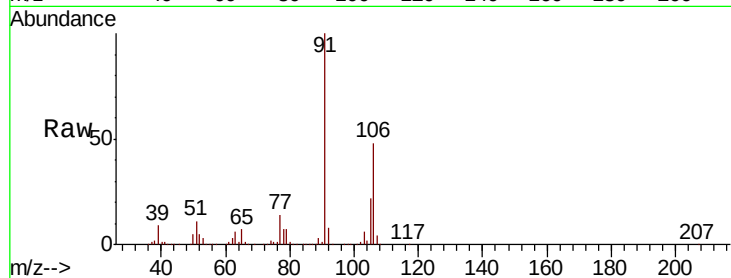
VSTD05081

Tot Ion:106 Resp: 465700

Ion Ratio Lower Upper

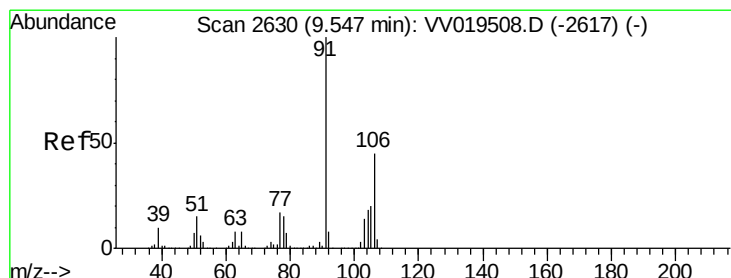
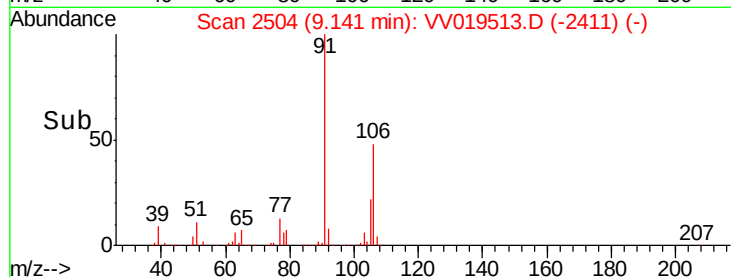
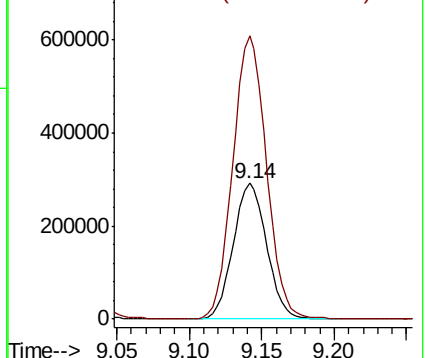
106 100

91 208.7 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 50.981 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019513.D

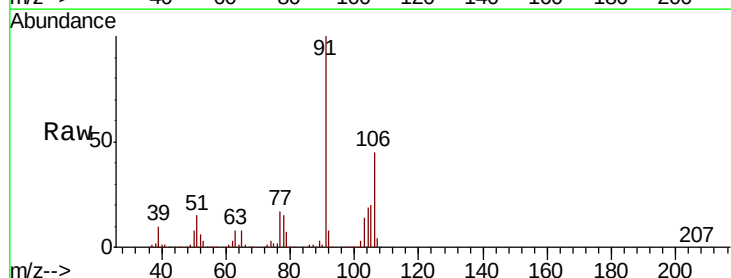
Acq: 10 Dec 2020 16:05

Tgt Ion:106 Resp: 454870

Ion Ratio Lower Upper

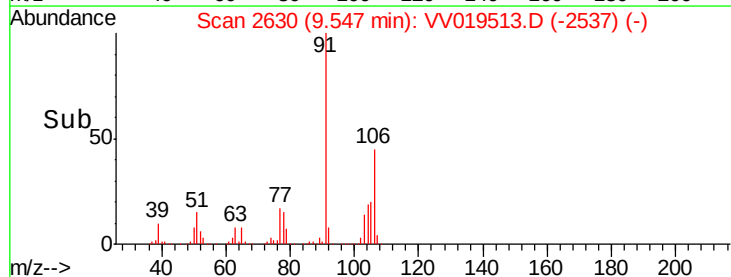
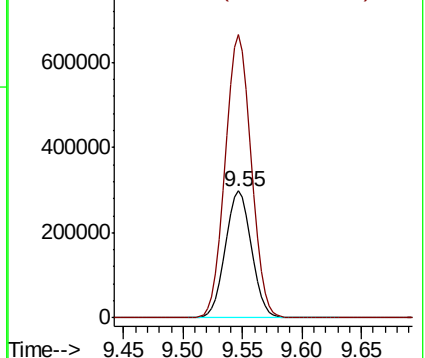
106 100

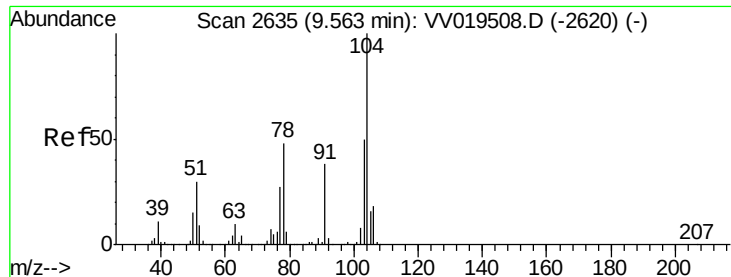
91 222.7 156.7 291.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 51.290 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

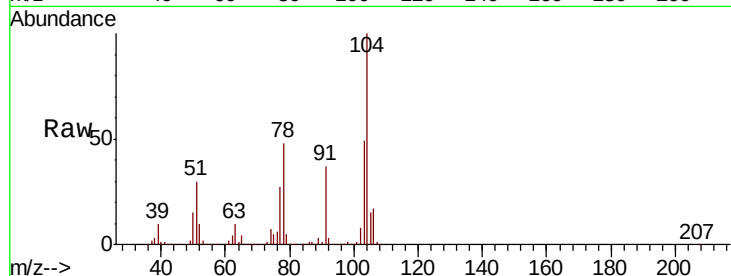
VSTD05081

Tot Ion:104 Resp: 797579

Ion Ratio Lower Upper

104 100

78 47.9 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

500000

400000

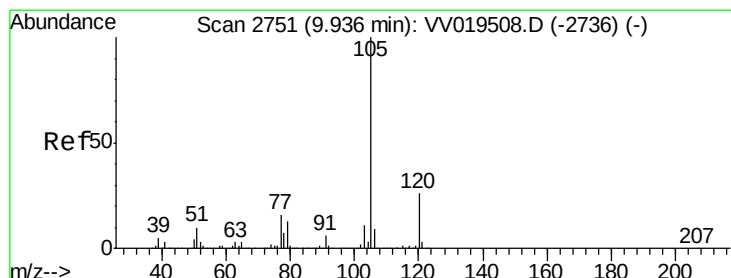
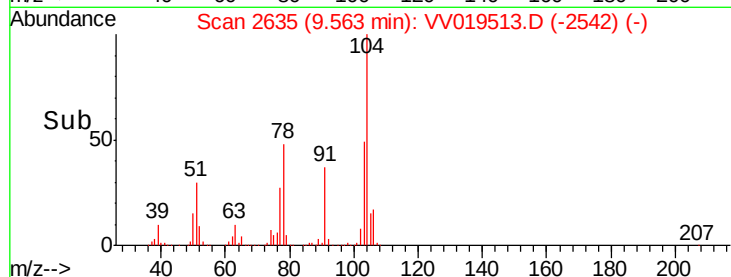
300000

200000

100000

0

Time-->



#56

Isopropylbenzene

Concen: 51.754 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

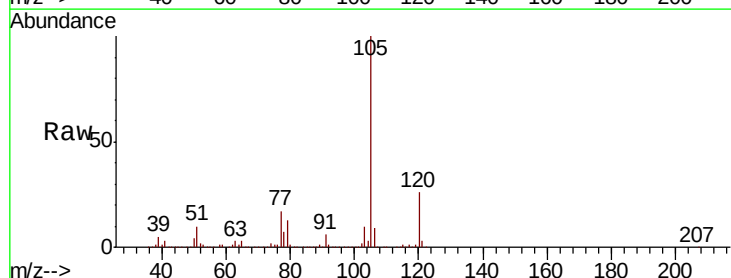
Tgt Ion:105 Resp: 1230168

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

77 16.4 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

1000000

800000

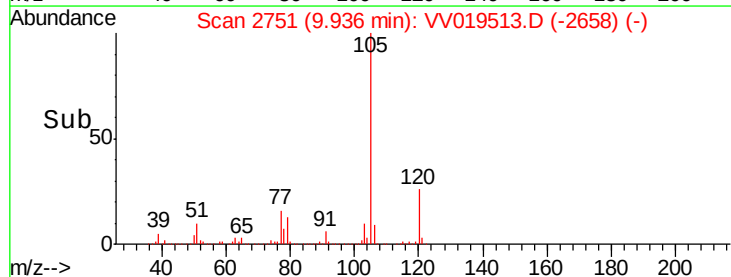
600000

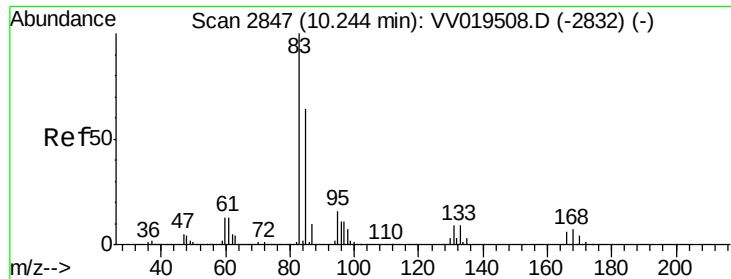
400000

200000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 49.080 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

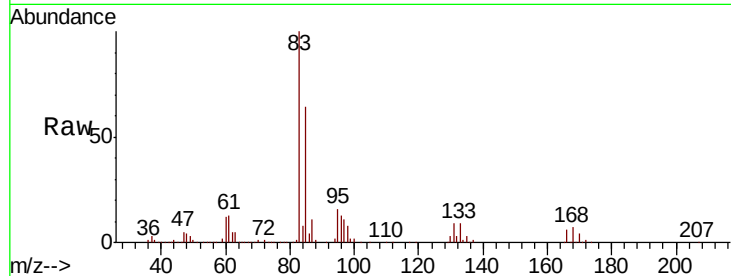
Tot Ion: 83 Resp: 397162

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

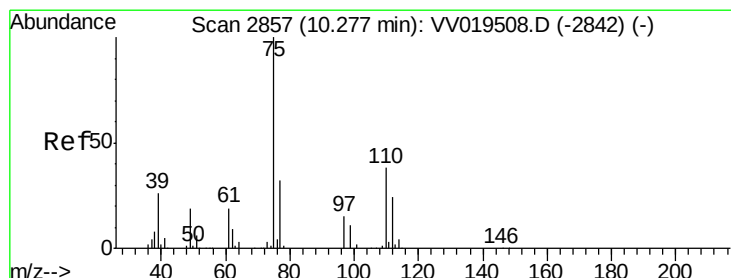
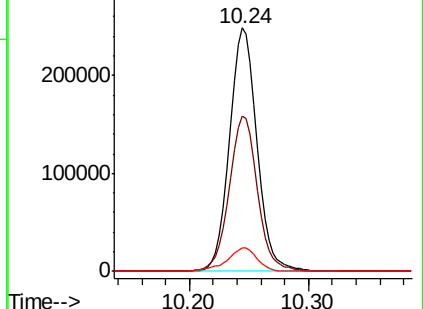
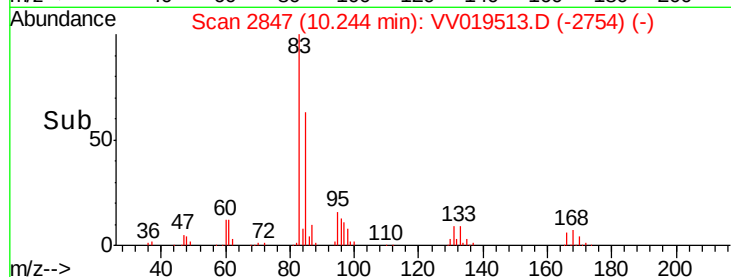
131 9.4 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV019513.D (-2754) (-)

Ion 85.00 (84.70 to 85.70): VV019513.D (-2754) (-)

Ion 131.00 (130.70 to 131.70): VV019513.D (-2754) (-)



#59

1,2,3-Trichloropropane

Concen: 49.706 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV019513.D

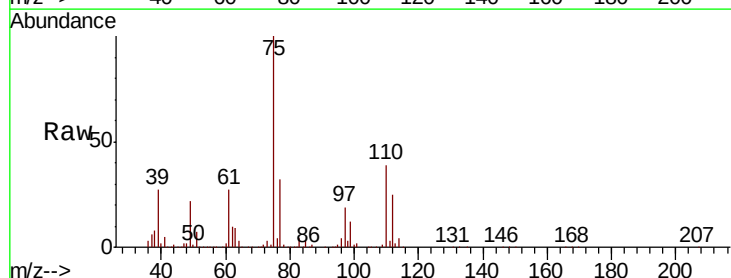
Acq: 10 Dec 2020 16:05

Tgt Ion: 75 Resp: 327612

Ion Ratio Lower Upper

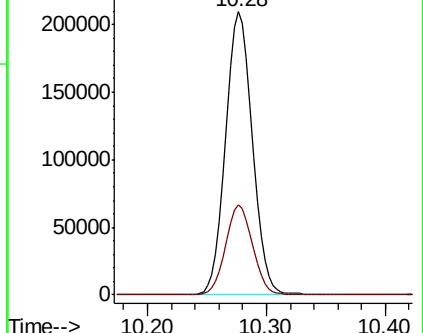
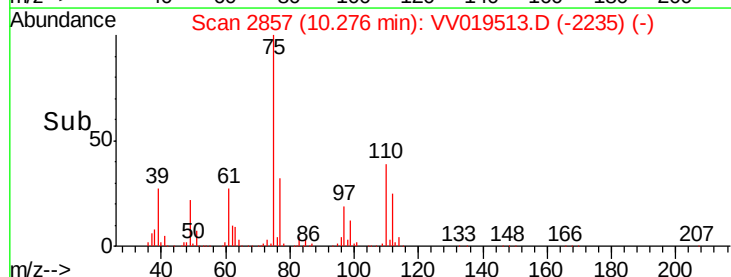
75 100

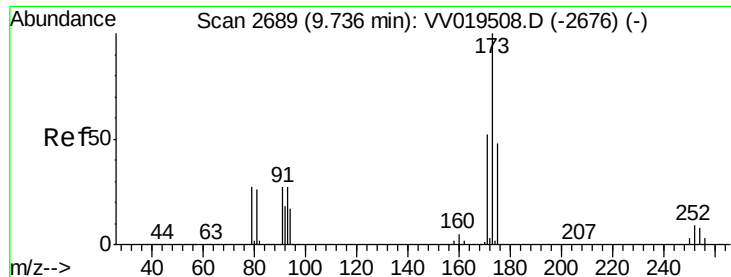
77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019513.D (-2235) (-)

Ion 77.00 (76.70 to 77.70): VV019513.D (-2235) (-)





#61

Bromoform

Concen: 49.591 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

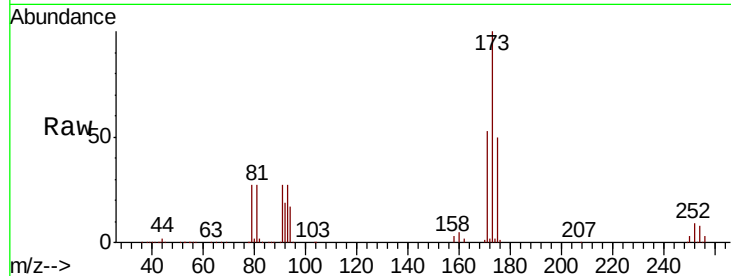
Tot Ion:173 Resp: 187372

Ion Ratio Lower Upper

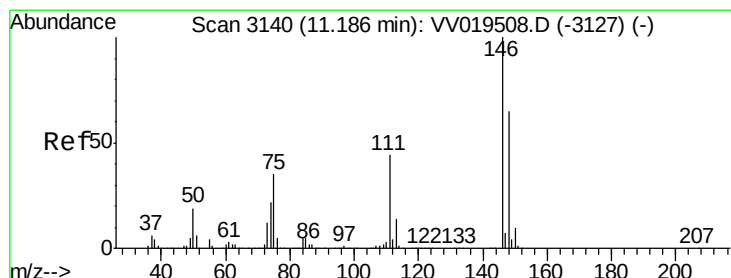
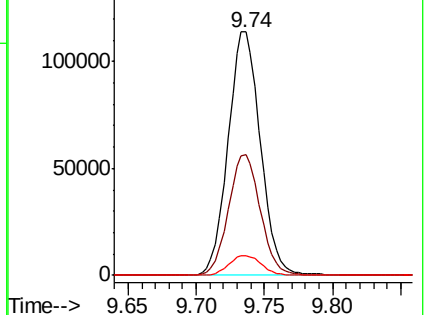
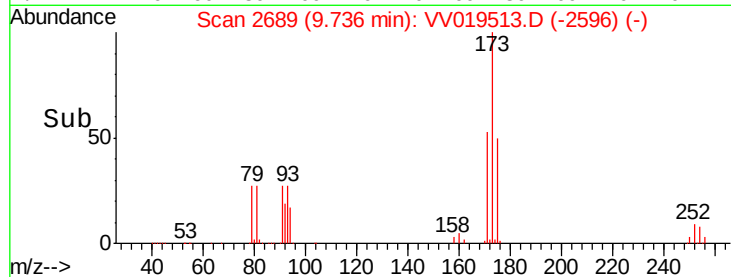
173 100

175 49.0 38.4 57.6

254 8.1 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: 51.112 ug/L

RT: 11.18 min Scan# 3139

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

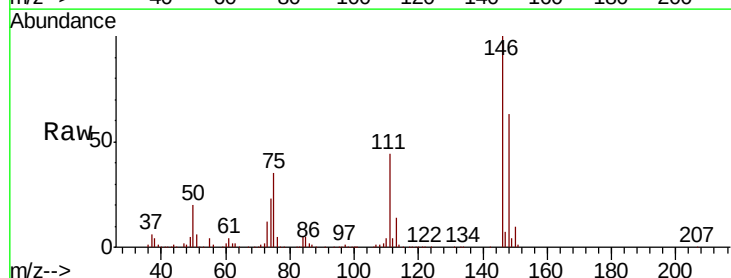
Tgt Ion:146 Resp: 535489

Ion Ratio Lower Upper

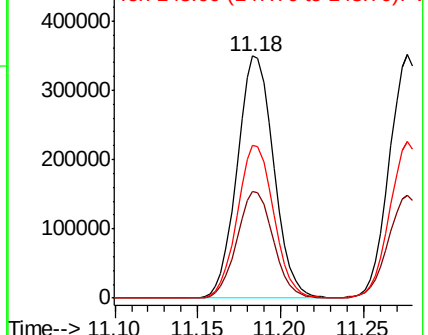
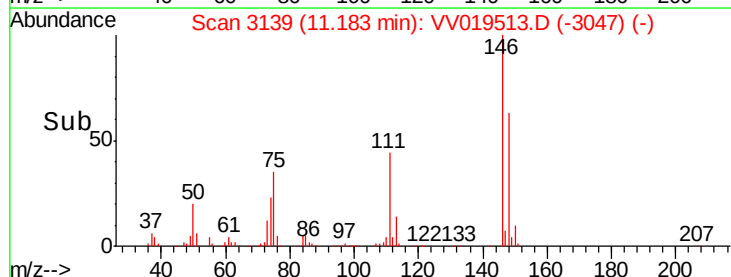
146 100

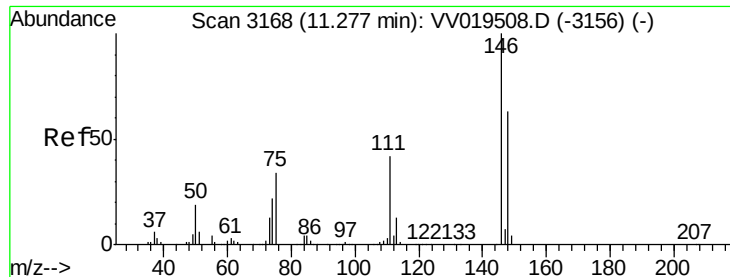
111 43.9 30.7 57.1

148 63.1 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

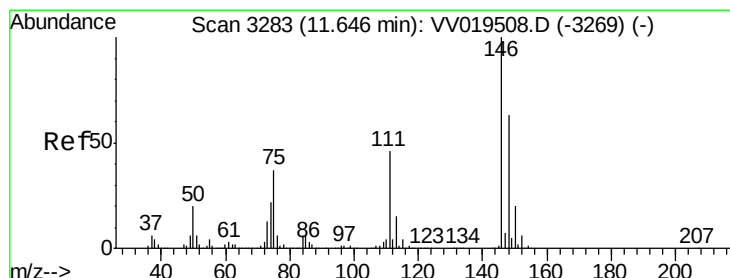
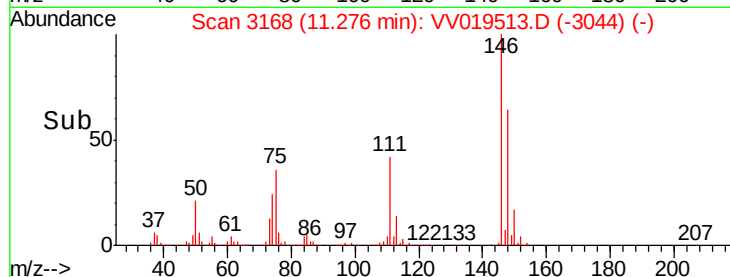
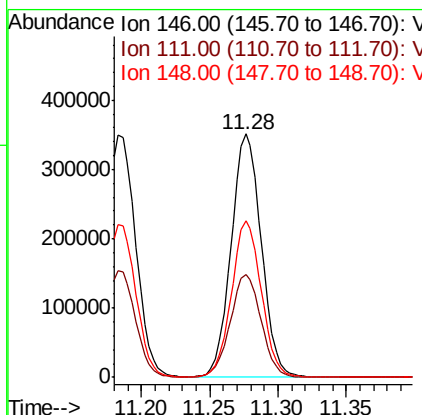
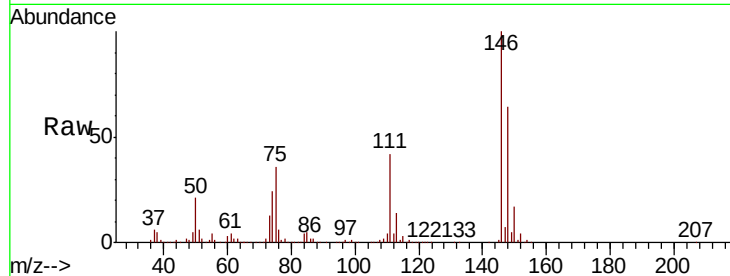




#63
 1,4-Dichlorobenzene
 Concen: 50.637 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

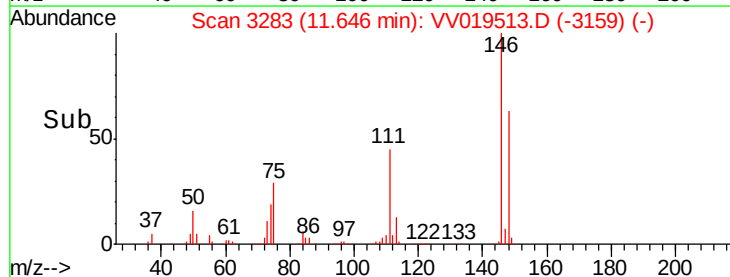
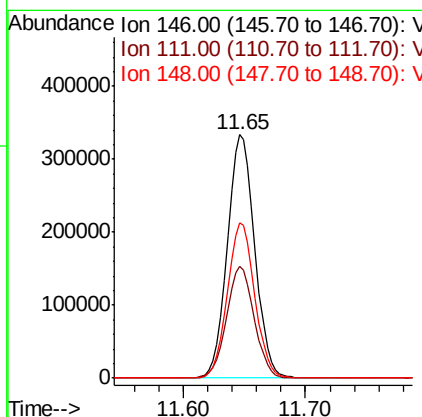
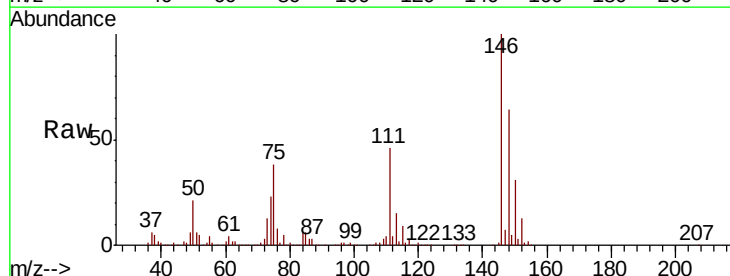
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

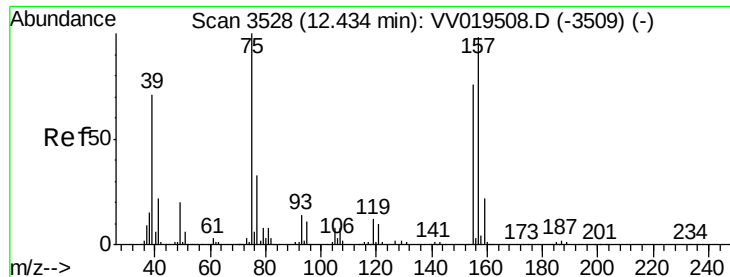
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	29.8	55.4
148	64.3	44.2	82.0



#65
 1,2-Dichlorobenzene
 Concen: 50.546 ug/L
 RT: 11.65 min Scan# 3283
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.8	36.6	55.0
148	63.6	50.7	76.1





#66

1,2-Dibromo-3-chloropropane

Concen: 49.101 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

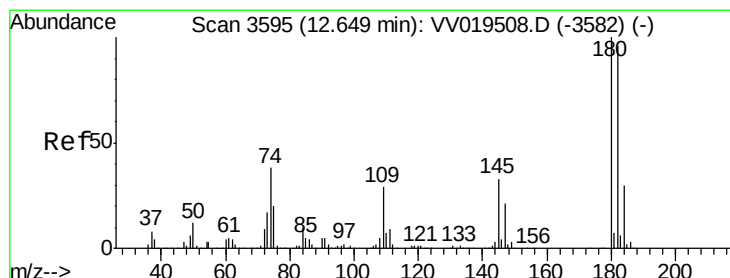
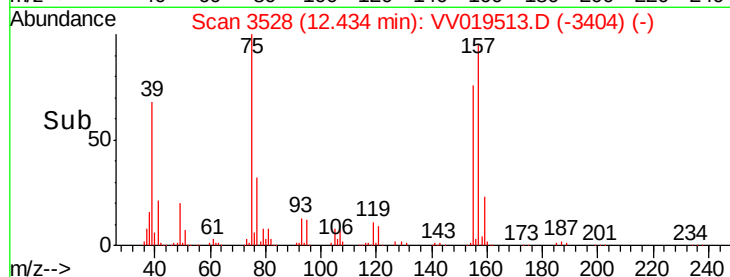
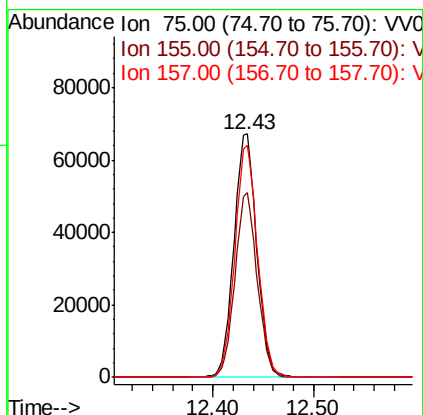
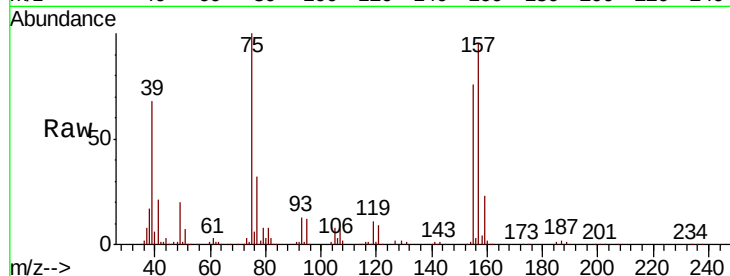
Tot Ion: 75 Resp: 106106

Ion Ratio Lower Upper

75 100

155 75.7 61.1 91.7

157 95.4 78.7 118.1



#67

1,3,5-Trichlorobenzene

Concen: 51.778 ug/L

RT: 12.65 min Scan# 3595

Delta R.T. -0.00 min

Lab File: VV019513.D

Acq: 10 Dec 2020 16:05

Tgt Ion: 180 Resp: 383267

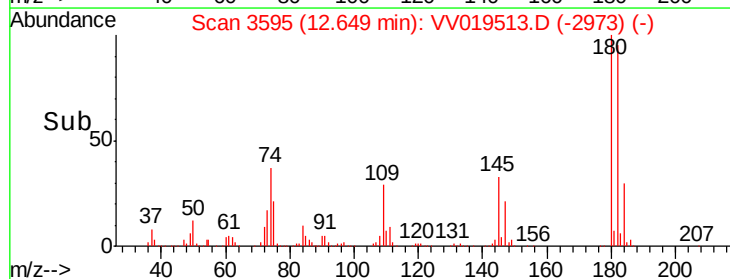
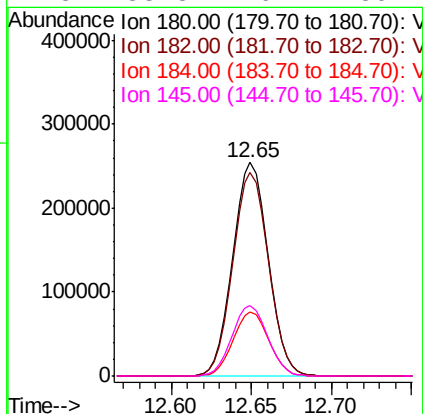
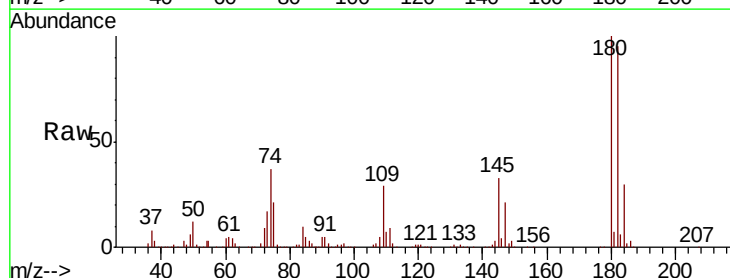
Ion Ratio Lower Upper

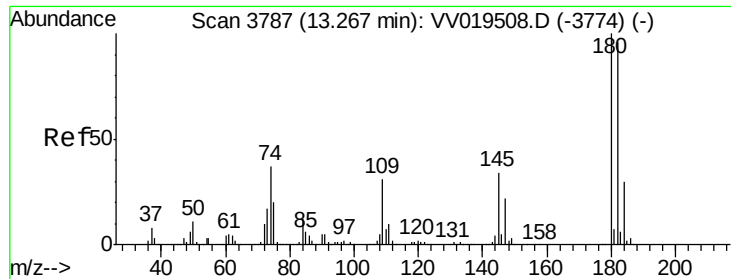
180 100

182 95.9 75.8 113.6

184 30.1 23.9 35.9

145 33.3 26.2 39.2

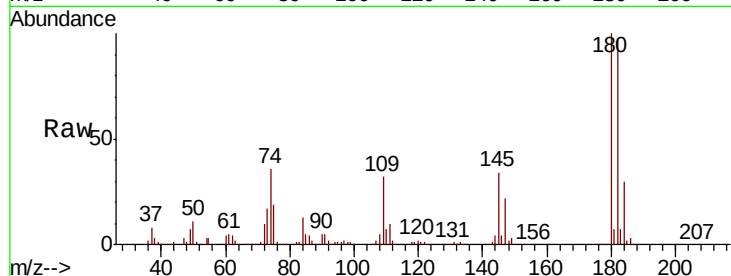




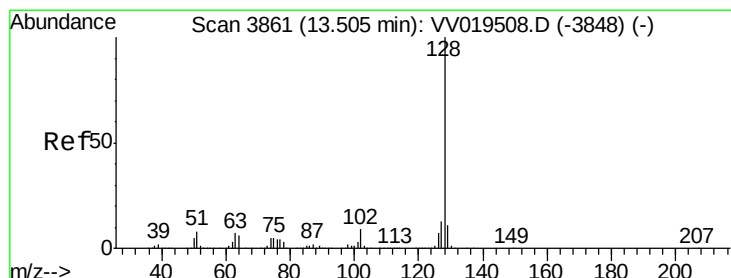
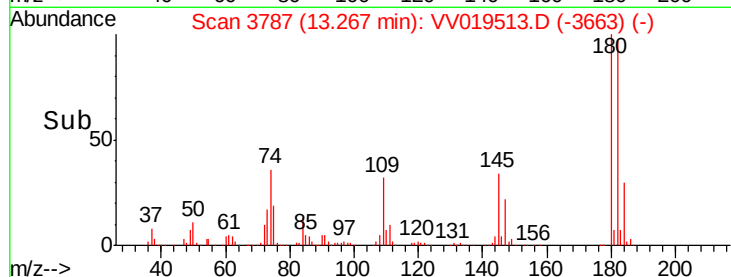
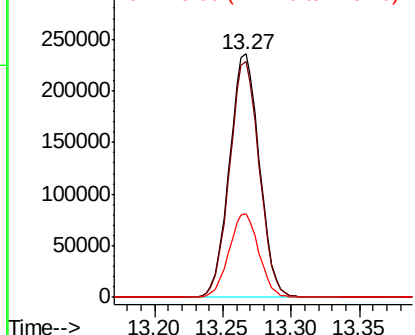
#68
1,2,4-trichlorobenzene
Concen: 52.011 ug/L
RT: 13.27 min Scan# 3787
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion:180 Resp: 359970
Ion Ratio Lower Upper
180 100
182 95.9 76.5 114.7
145 33.9 27.0 40.6

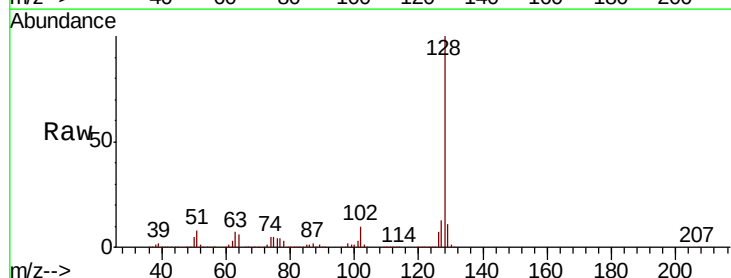


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

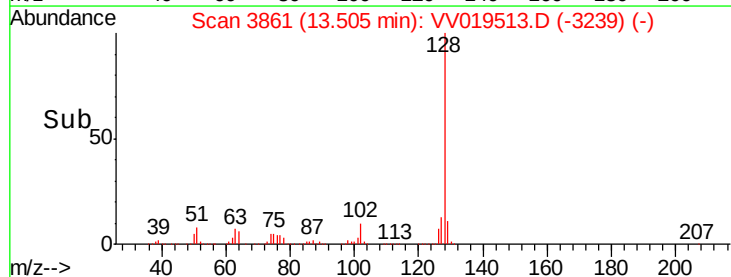
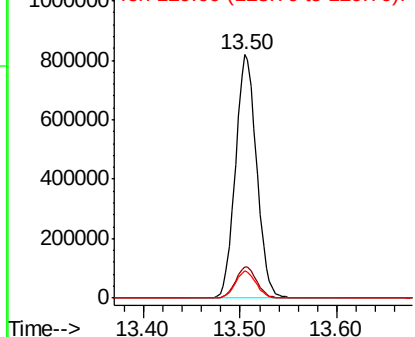


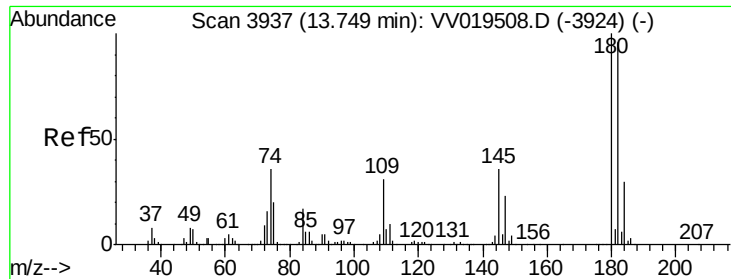
#69
Naphthalene
Concen: 51.809 ug/L
RT: 13.50 min Scan# 3861
Delta R.T. -0.00 min
Lab File: VV019513.D
Acq: 10 Dec 2020 16:05

Tgt Ion:128 Resp: 1245077
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 52.003 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. -0.00 min
 Lab File: VV019513.D
 Acq: 10 Dec 2020 16:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	94.4	75.8	113.6	
145	36.3	29.1	43.7	

