

Data File : VV009293.D
Acq On : 13 Feb 2019 14:18
Operator : SY/MD
Sample : VSTD05064
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: Feb 13 14:49:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM021319S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 13 14:20:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	310218	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	305367	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	154206	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	215334	40.60	ug/L	0.00
7) Chloroethane-d5	1.57	69	171498	50.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	440191	40.38	ug/L	0.00
20) 2-Butanone-d5	3.93	46	157157	66.15	ug/L	0.00
24) Chloroform-d	4.40	84	429979	44.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	257954	45.70	ug/L	0.00
29) Benzene-d6	5.10	84	850442	44.85	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	265168	44.98	ug/L	0.00
37) Toluene-d8	7.36	98	818885	47.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	126075	48.06	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	110194	77.05	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	247210	42.47	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	291531	48.17	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	221653	38.491	ug/L	99
3) Chloromethane	1.25	50	252206	40.637	ug/L	100
5) Vinyl chloride	1.33	62	251244	40.581	ug/L	97
6) Bromomethane	1.52	94	127062	42.996	ug/L	98
8) Chloroethane	1.59	64	143696	43.379	ug/L	96
9) Trichlorofluoromethane	1.77	101	365716	42.610	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	206428	41.706	ug/L	98
12) 1,1-Dichloroethene	2.14	96	182904	40.513	ug/L	90
13) Acetone	2.19	43	204043	60.504	ug/L	99
14) Carbon disulfide	2.32	76	712412	41.219	ug/L	100
15) Methyl Acetate	2.46	43	136033	33.271	ug/L	100
16) Methylene chloride	2.54	84	236069	36.201	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	569870	46.759	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	220853	42.996	ug/L	99
19) 1,1-Dichloroethane	3.23	63	432127	44.193	ug/L	96
21) 2-Butanone	4.02	43	221869	64.856	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	241002	45.678	ug/L	99
23) Bromochloromethane	4.30	128	106179	44.858	ug/L	99
25) Chloroform	4.43	83	440598	45.578	ug/L	100
27) 1,2-Dichloroethane	5.18	62	318836	45.958	ug/L	99
30) Cyclohexane	4.73	56	419838	43.407	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	373161	42.067	ug/L	99
32) Carbon tetrachloride	4.88	117	332629	42.413	ug/L	99
34) Benzene	5.15	78	912921	43.635	ug/L	100
35) Trichloroethene	5.96	95	243317	42.887	ug/L	98
36) Methylcyclohexane	6.18	83	417045	43.981	ug/L	97
40) 1,2-Dichloropropane	6.22	63	250992	45.547	ug/L	100
41) Bromodichloromethane	6.56	83	318554	44.721	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	387454	48.153	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	384813	73.008	ug/L	100

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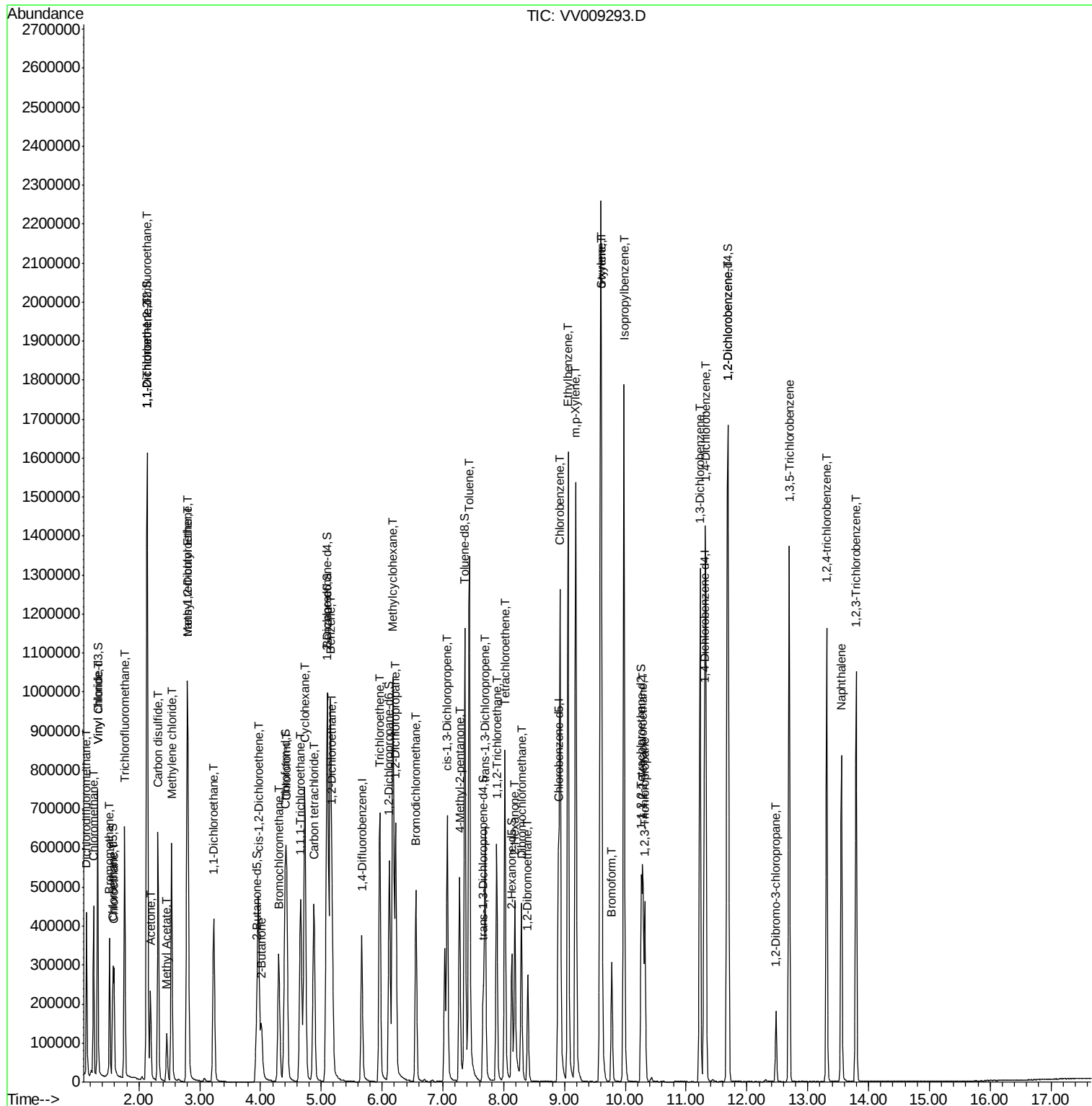
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1018285	46.387	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	344006	47.977	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	181209	43.208	ug/L	98
47) Tetrachloroethene	8.02	164	187469	43.826	ug/L	99
49) 2-Hexanone	8.18	43	337421	74.654	ug/L	99
50) Dibromochloromethane	8.29	129	224012	46.518	ug/L	96
51) 1,2-Dibromoethane	8.40	107	178965	42.571	ug/L	98
52) Chlorobenzene	8.93	112	641991	46.287	ug/L	100
53) Ethylbenzene	9.06	91	1159850	47.689	ug/L	99
54) m,p-Xylene	9.18	106	433917	48.451	ug/L	98
55) o-xylene	9.59	106	419503	49.505	ug/L	96
56) Styrene	9.60	104	726417	50.917	ug/L	99
57) Isopropylbenzene	9.98	105	1140671	49.051	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	252103	41.188	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	186322	38.902	ug/L	100
62) Bromoform	9.78	173	133859	43.815	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	504630	46.172	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	515380	46.660	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	480638	46.970	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	44473	34.397	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	385479	47.502	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	316245	50.017	ug/L	98
69) Naphthalene	13.55	128	622434	48.814	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	290042	50.478	ug/L	98

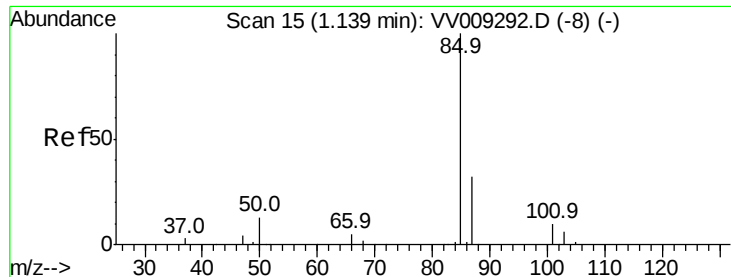
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 38.491 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

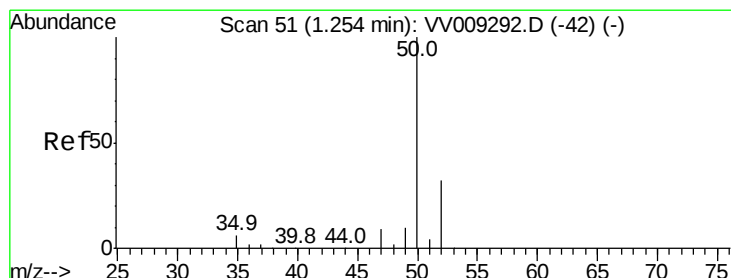
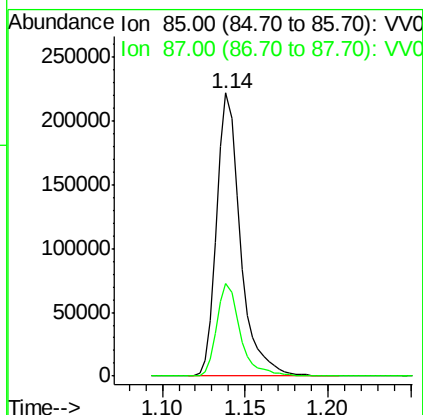
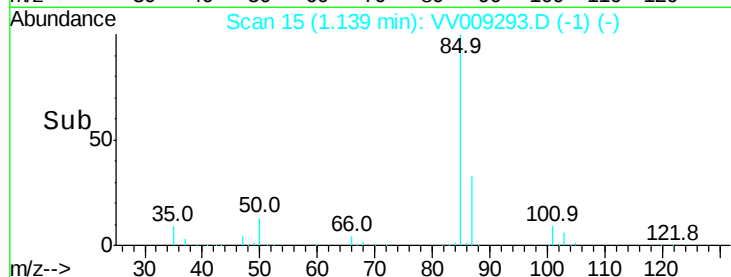
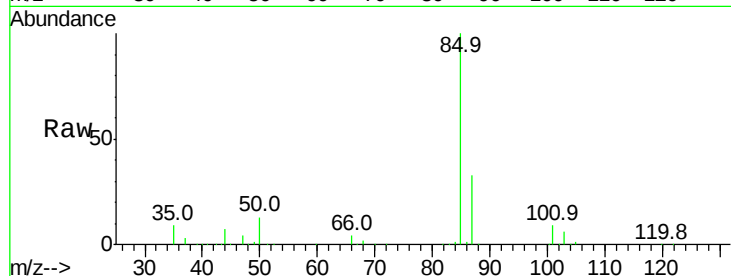
VSTD05064

Tgt Ion: 85 Resp: 221653

Ion Ratio Lower Upper

85 100

87 32.3 22.2 41.2



#3

Chloromethane

Concen: 40.637 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009293.D

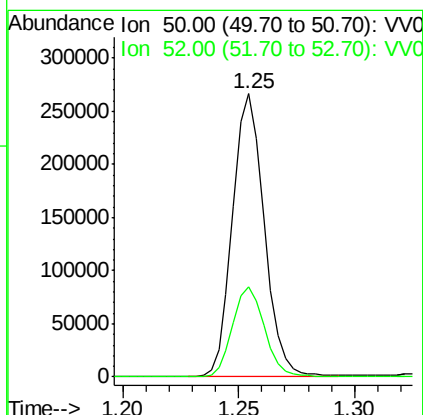
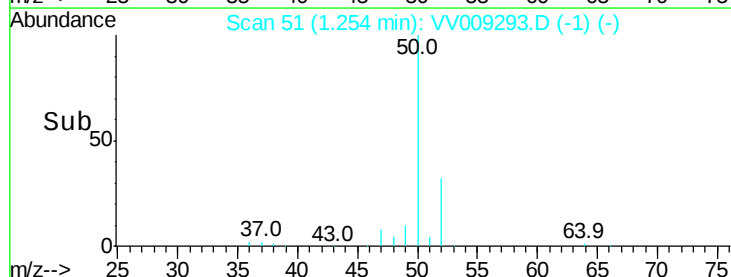
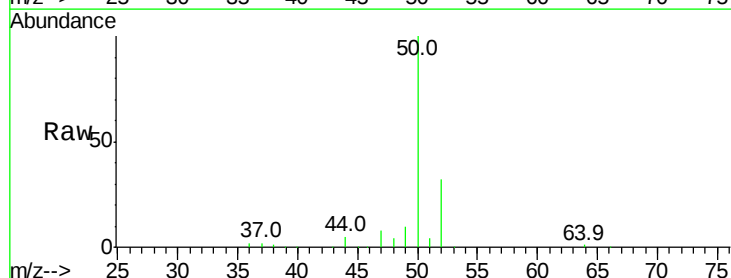
Acq: 13 Feb 2019 14:18

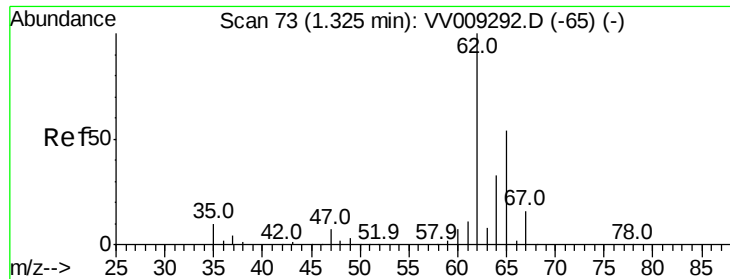
Tgt Ion: 50 Resp: 252206

Ion Ratio Lower Upper

50 100

52 31.8 22.3 41.5





#5

Vinyl chloride

Concen: 40.581 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

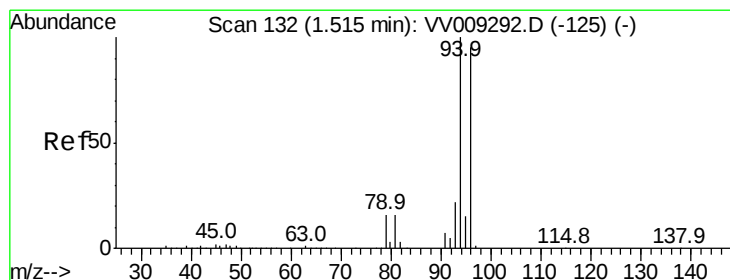
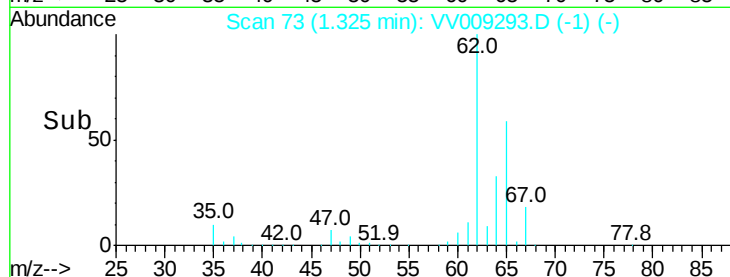
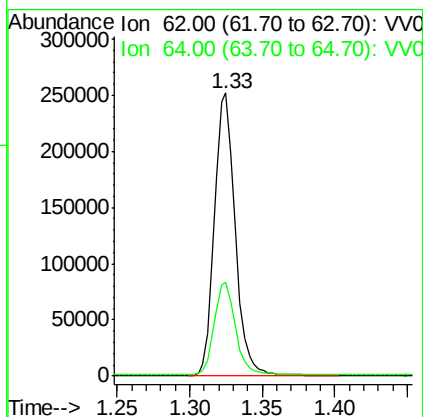
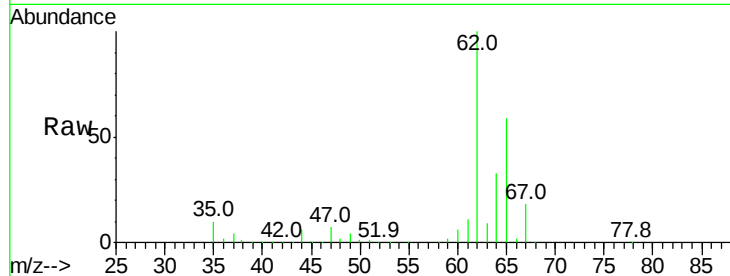
VSTD05064

Tgt Ion: 62 Resp: 251244

Ion Ratio Lower Upper

62 100

64 33.1 24.2 45.0



#6

Bromomethane

Concen: 42.996 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV009293.D

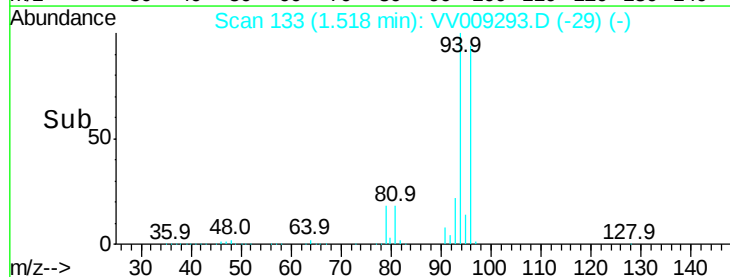
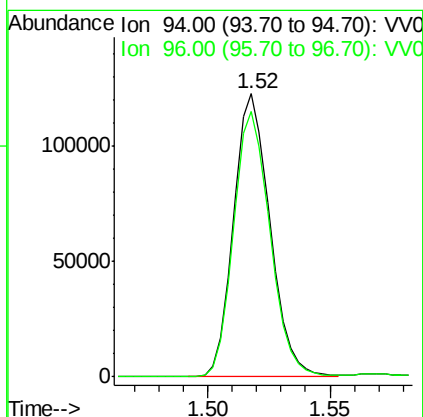
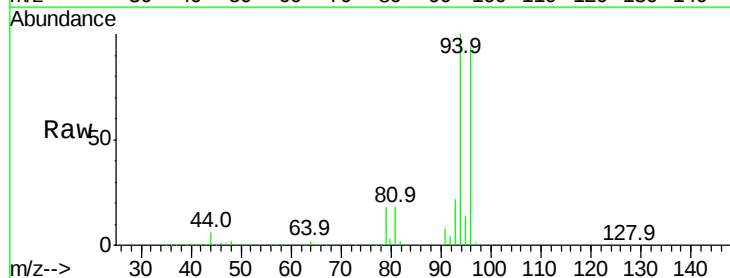
Acq: 13 Feb 2019 14:18

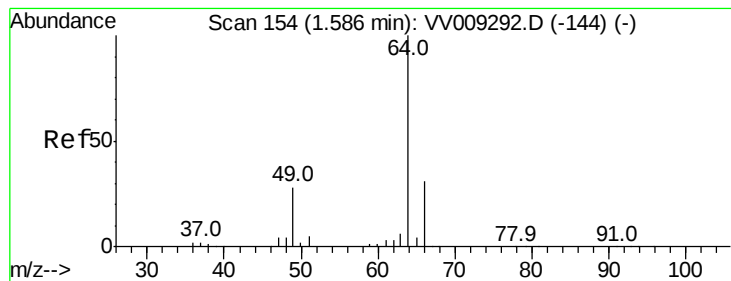
Tgt Ion: 94 Resp: 127062

Ion Ratio Lower Upper

94 100

96 93.8 9.6 182.0





#8

Chloroethane

Concen: 43.379 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

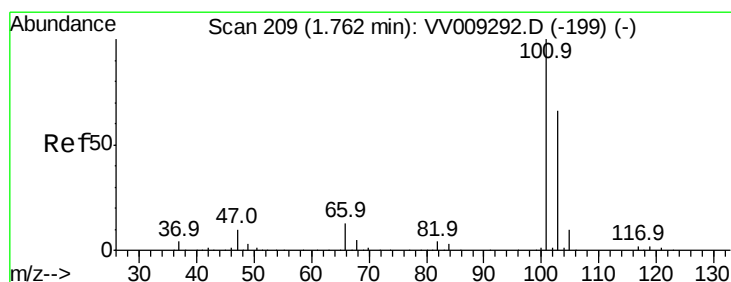
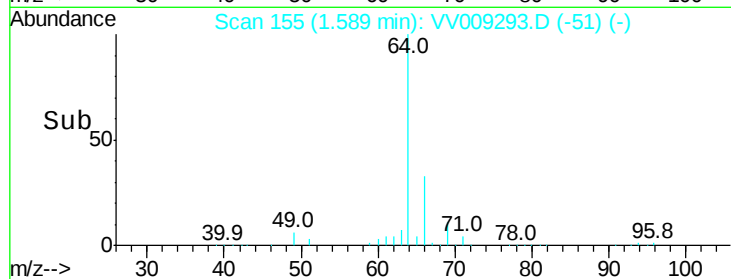
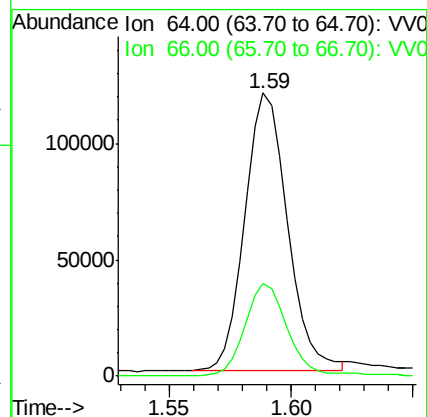
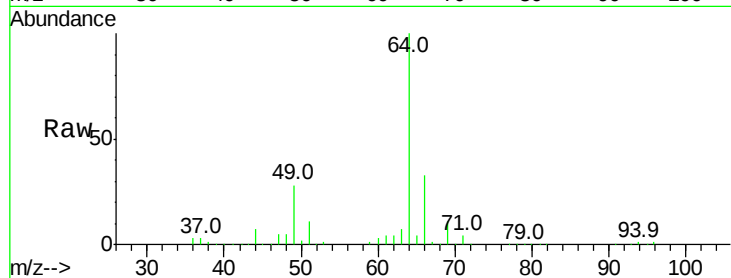
VSTD05064

Tgt Ion: 64 Resp: 143696

Ion Ratio Lower Upper

64 100

66 32.6 21.1 39.3



#9

Trichlorofluoromethane

Concen: 42.610 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV009293.D

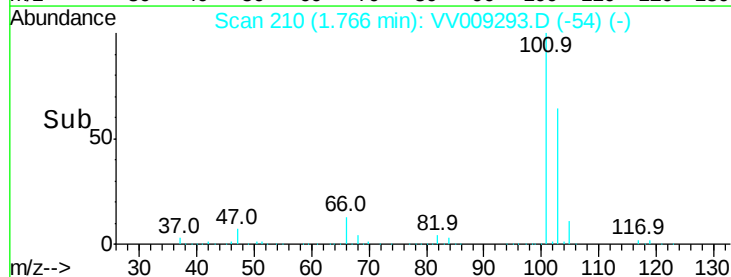
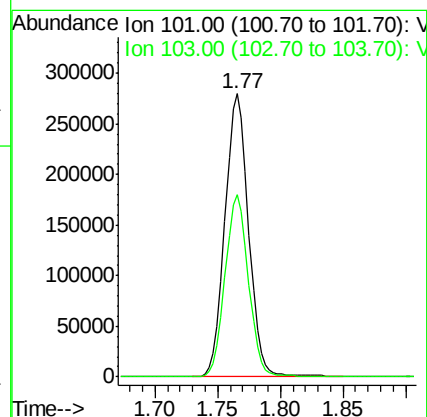
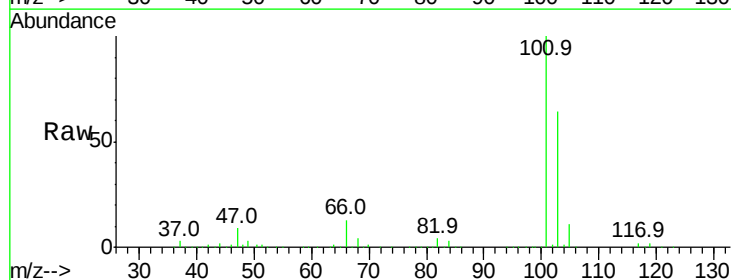
Acq: 13 Feb 2019 14:18

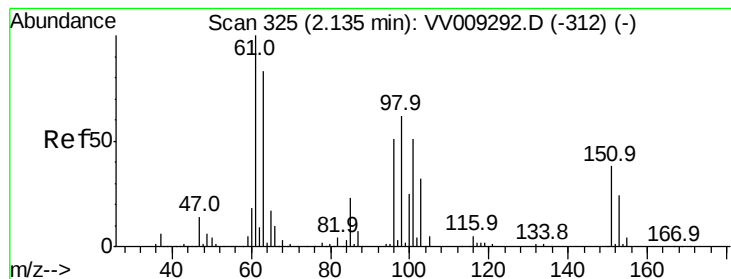
Tgt Ion: 101 Resp: 365716

Ion Ratio Lower Upper

101 100

103 63.6 45.8 85.2





#11

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

Concen: 41.706 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

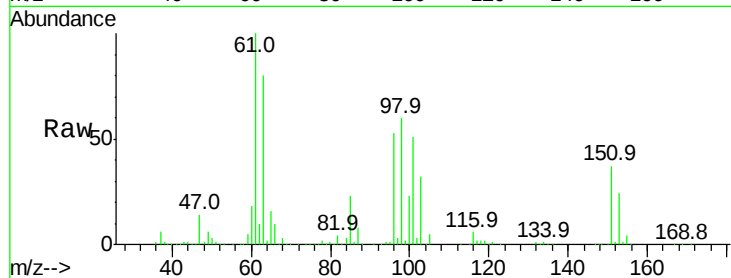
Tgt Ion: 101 Resp: 206428

Ion Ratio Lower Upper

101 100

85 44.2 36.2 54.2

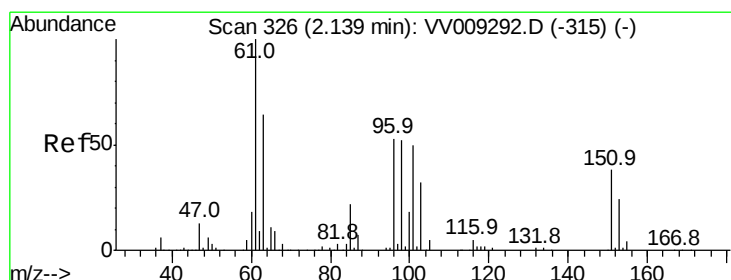
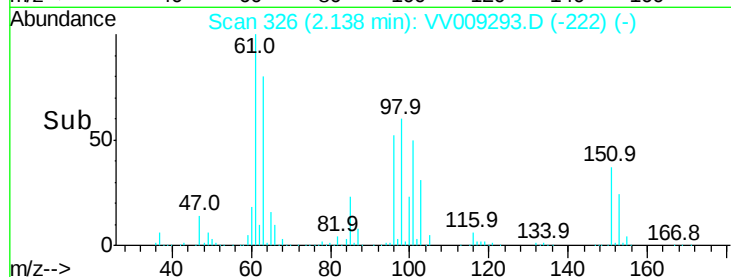
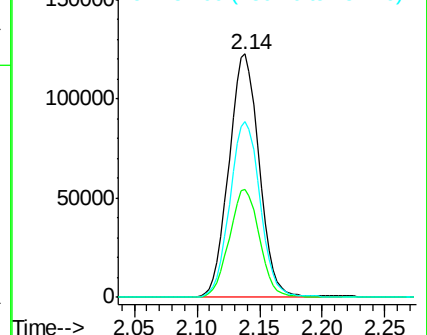
151 72.3 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 40.513 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

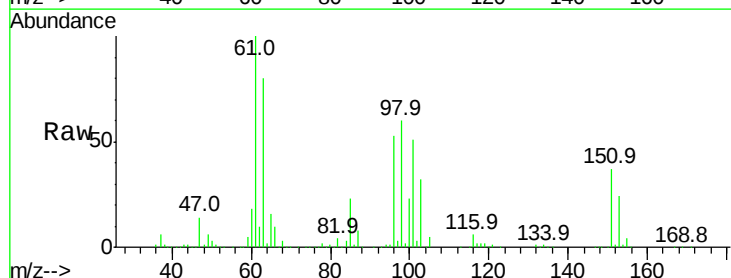
Tgt Ion: 96 Resp: 182904

Ion Ratio Lower Upper

96 100

61 190.3 131.8 244.8

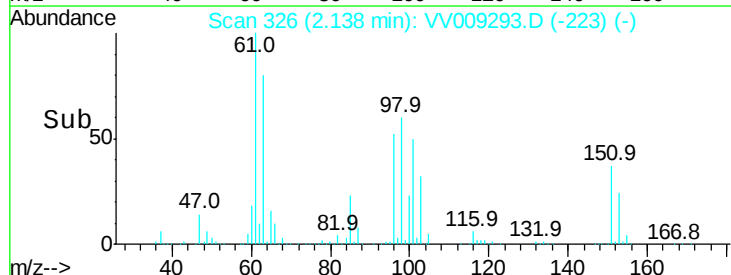
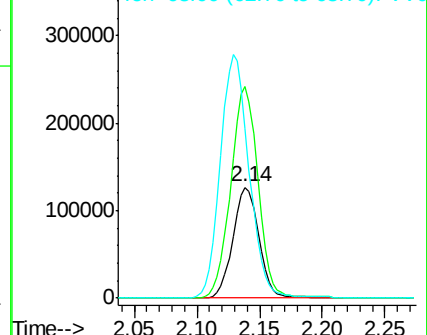
63 152.8 88.8 165.0

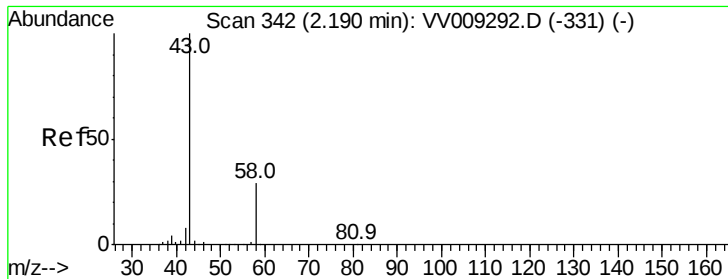


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 60.504 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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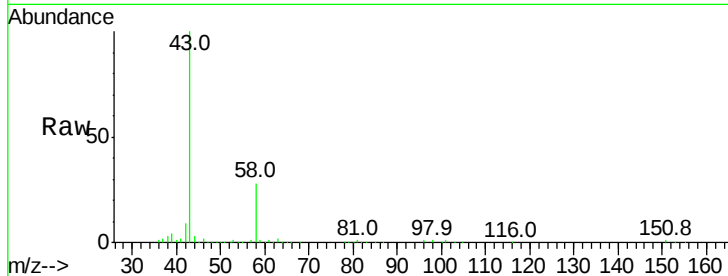
VSTD05064

Tgt Ion: 43 Resp: 204043

Ion Ratio Lower Upper

43 100

58 28.0 0.0 57.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

150000

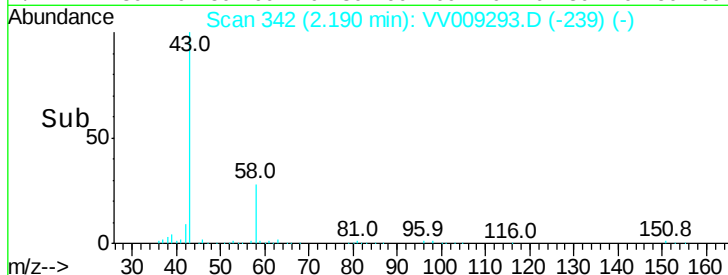
100000

50000

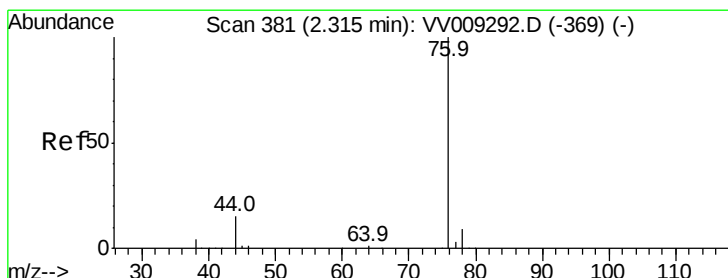
0

2.19

2.15 2.20 2.25 2.30



Time-->



#14

Carbon disulfide

Concen: 41.219 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV009293.D

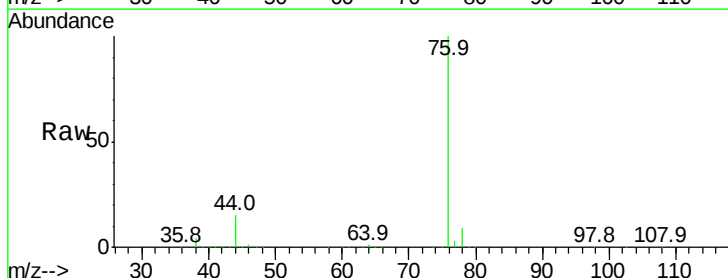
Acq: 13 Feb 2019 14:18

Tgt Ion: 76 Resp: 712412

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

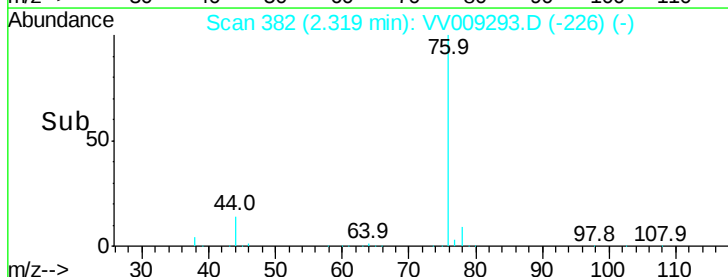
200000

100000

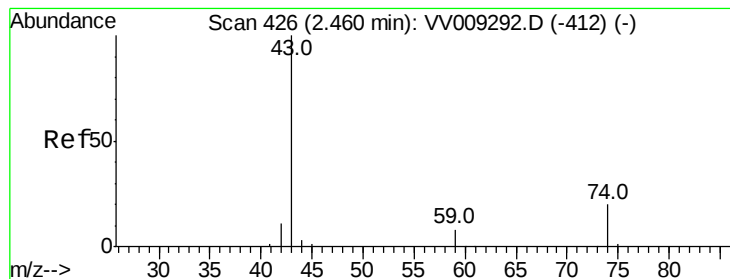
0

2.32

2.30 2.40



Time-->



#15

Methyl Acetate

Concen: 33.271 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

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Acq: 13 Feb 2019 14:18

Instrument :

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ClientSampleId :

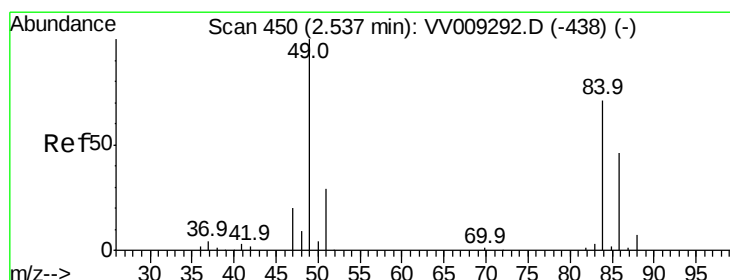
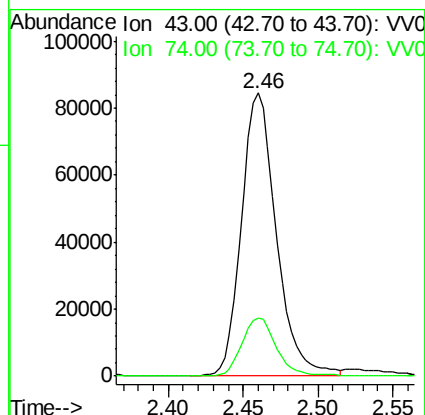
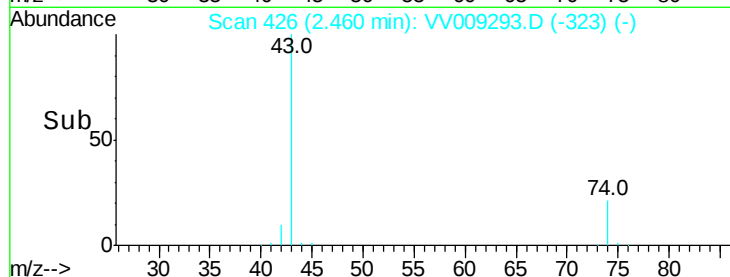
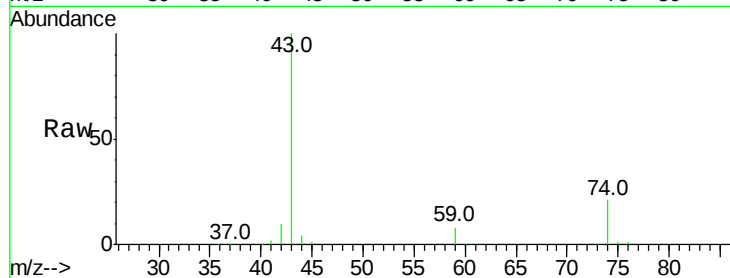
VSTD05064

Tgt Ion: 43 Resp: 136033

Ion Ratio Lower Upper

43 100

74 20.5 16.3 24.5



#16

Methylene chloride

Concen: 36.201 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

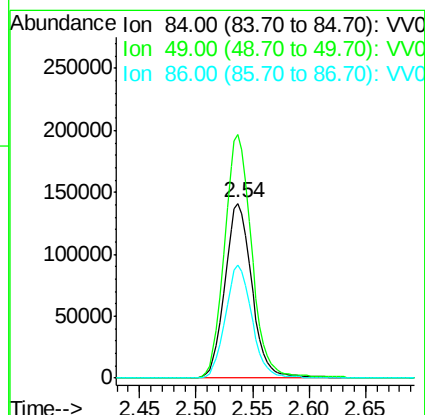
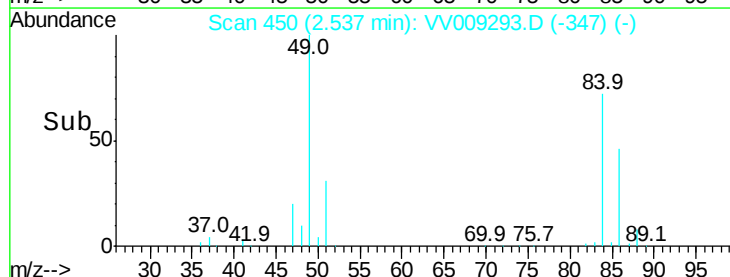
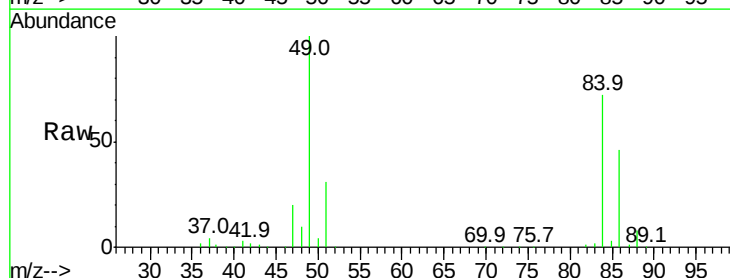
Tgt Ion: 84 Resp: 236069

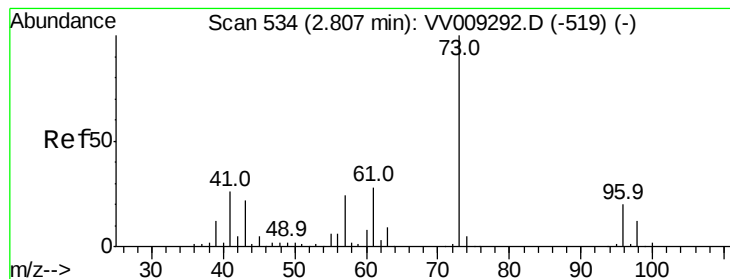
Ion Ratio Lower Upper

84 100

49 139.4 98.4 182.8

86 64.4 45.1 83.7





#17

Methyl tert-butyl Ether

Concen: 46.759 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

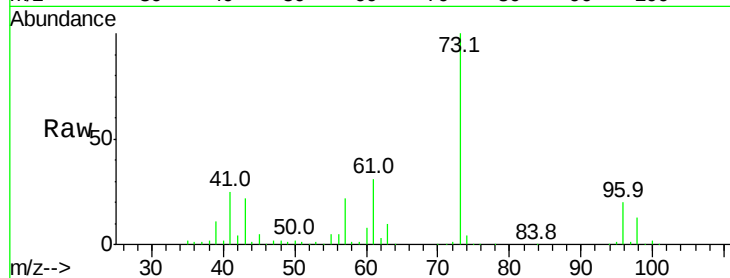
Tgt Ion: 73 Resp: 569870

Ion Ratio Lower Upper

73 100

43 21.8 18.2 27.4

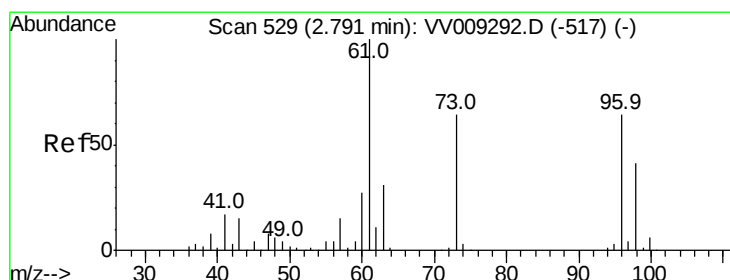
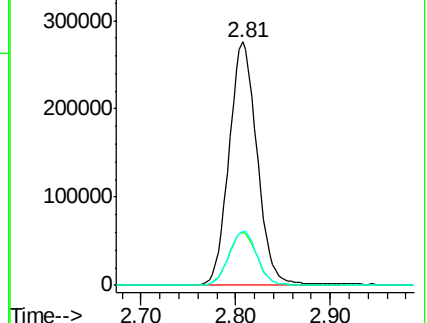
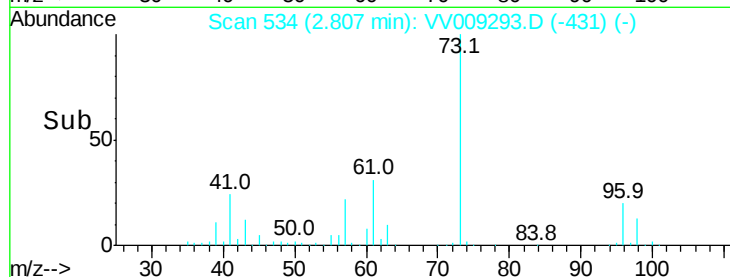
57 22.5 19.0 28.4



Abundance Ion 73.00 (72.70 to 73.70): VV009292.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV009292.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV009292.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 42.996 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

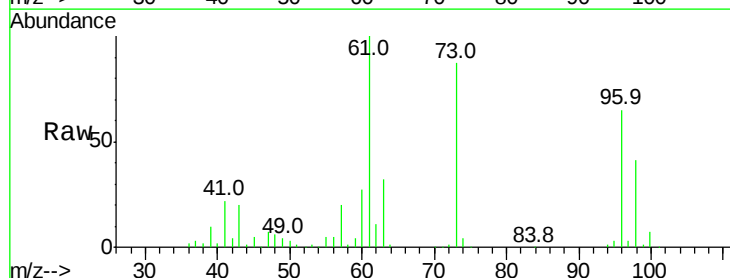
Tgt Ion: 96 Resp: 220853

Ion Ratio Lower Upper

96 100

61 154.4 109.0 202.4

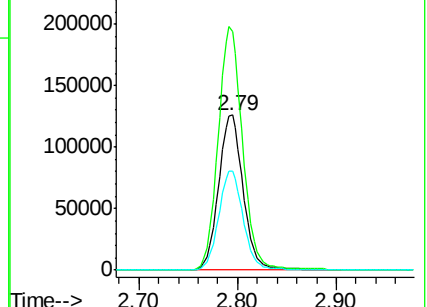
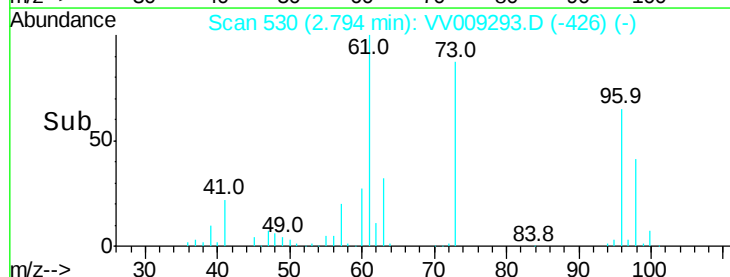
98 63.8 44.3 82.3

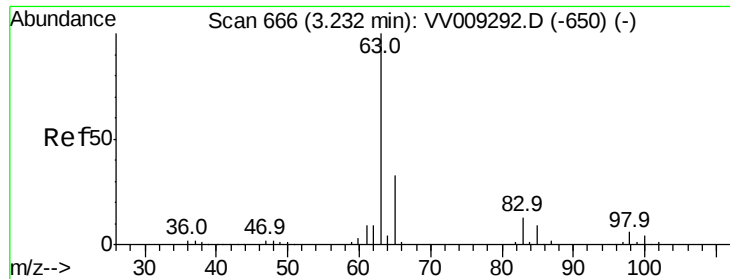


Abundance Ion 96.00 (95.70 to 96.70): VV009292.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009292.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009292.D (-517) (-)

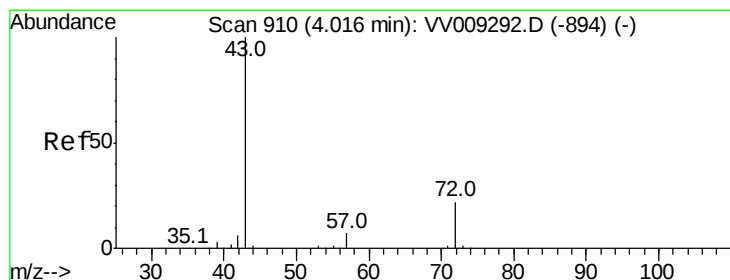
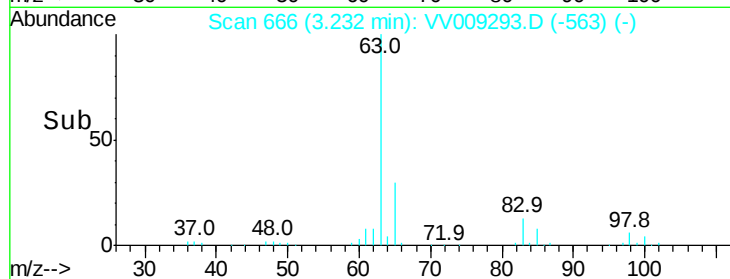
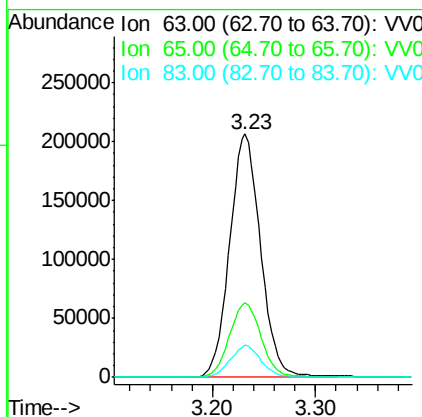
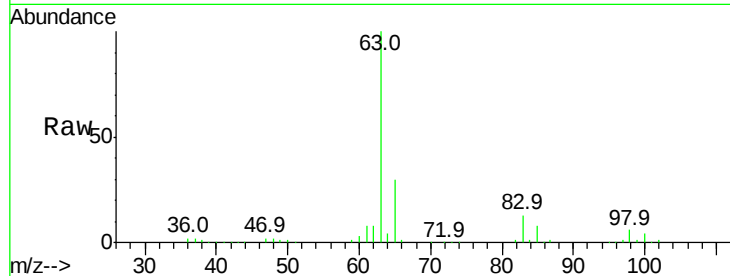




#19
 1,1-Dichloroethane
 Concen: 44.193 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

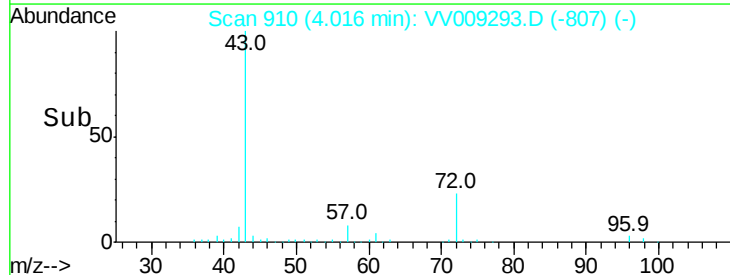
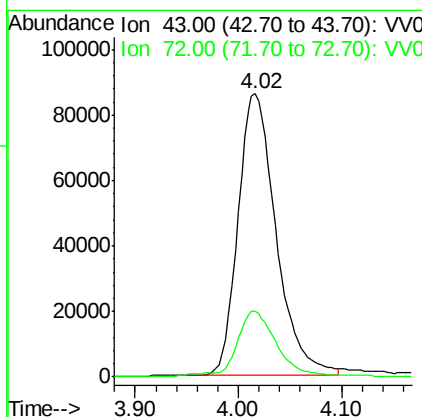
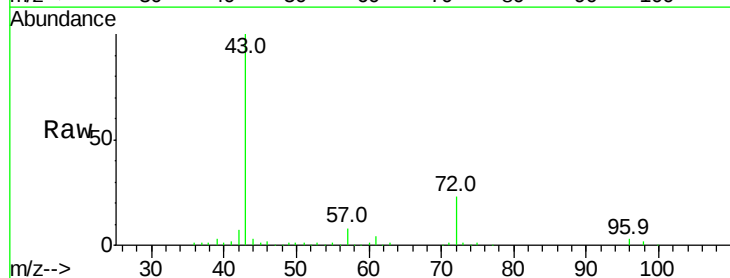
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

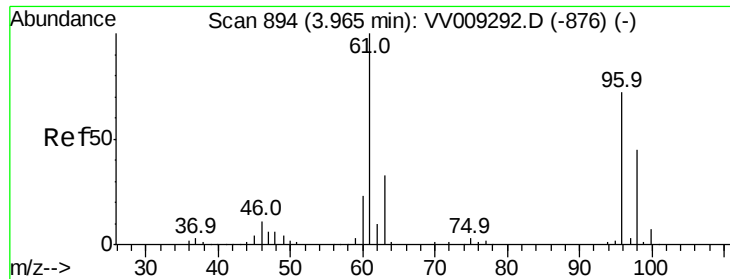
Tgt Ion: 63 Resp: 432127
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.3 43.3
 83 13.1 9.1 16.9



#21
 2-Butanone
 Concen: 64.856 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion: 43 Resp: 221869
 Ion Ratio Lower Upper
 43 100
 72 22.0 11.3 33.8



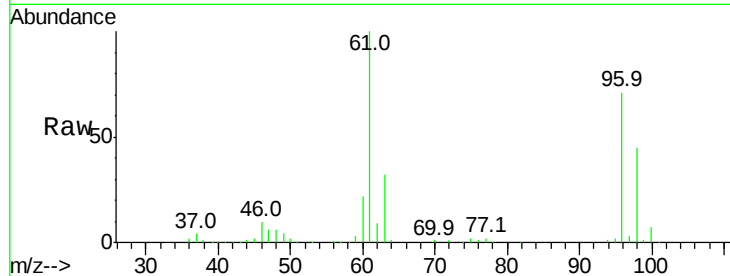


#22

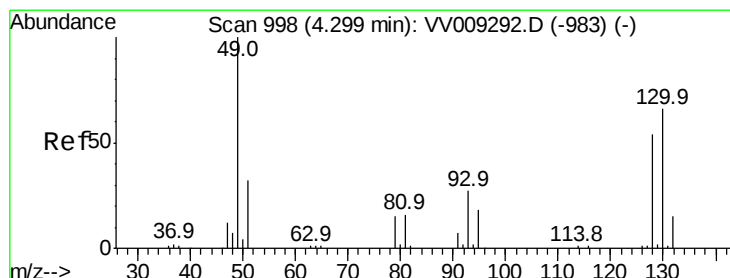
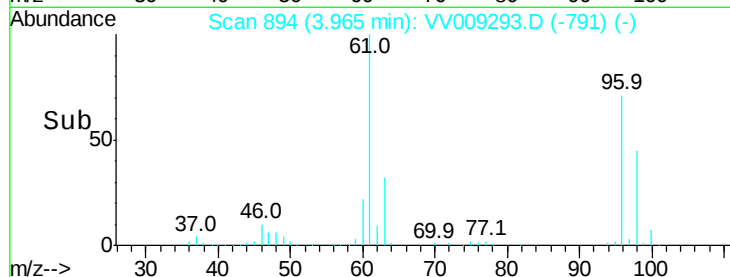
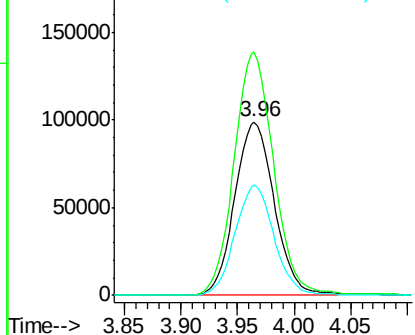
cis-1,2-Dichloroethene
Concen: 45.678 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 96 Resp: 241002
Ion Ratio Lower Upper
96 100
61 140.4 96.9 179.9
98 63.8 44.0 81.8



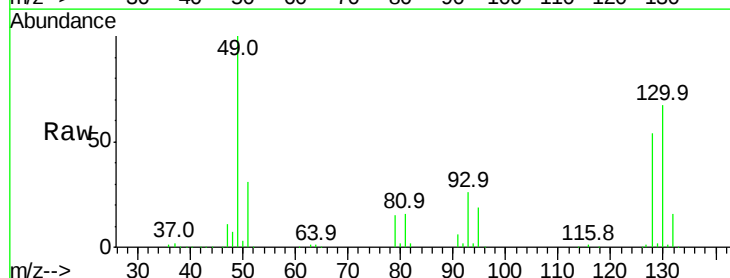
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



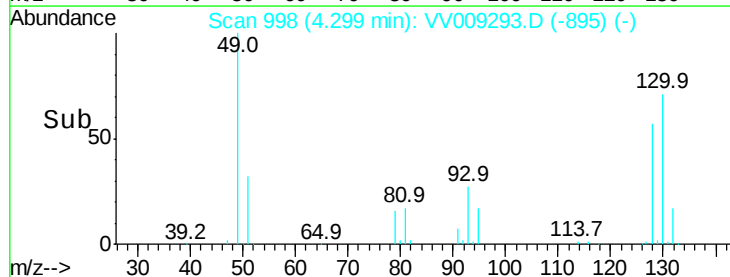
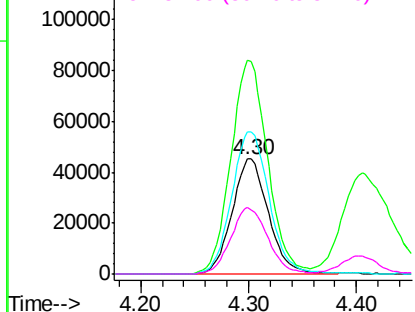
#23

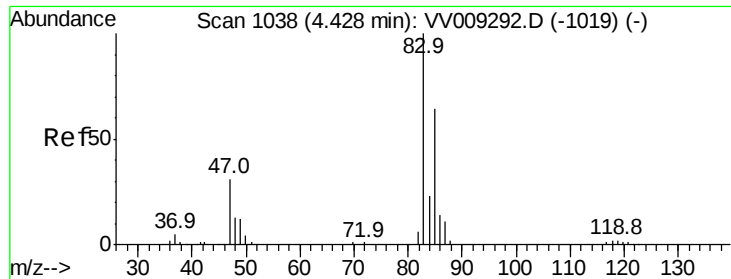
Bromochloromethane
Concen: 44.858 ug/L
RT: 4.30 min Scan# 998
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Tgt Ion: 128 Resp: 106179
Ion Ratio Lower Upper
128 100
49 186.0 130.6 242.6
130 123.9 85.9 159.5
51 57.5 47.2 70.8



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

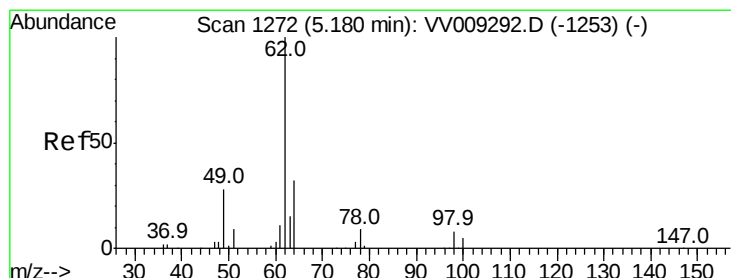
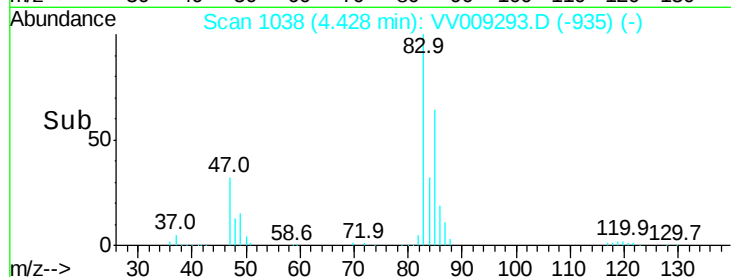
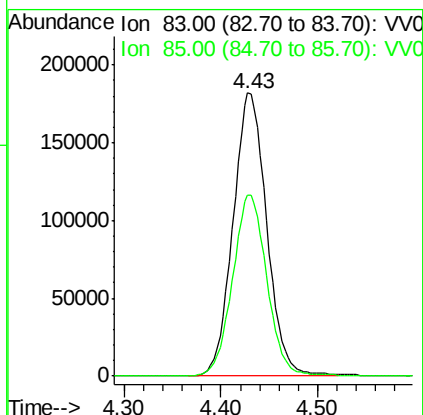
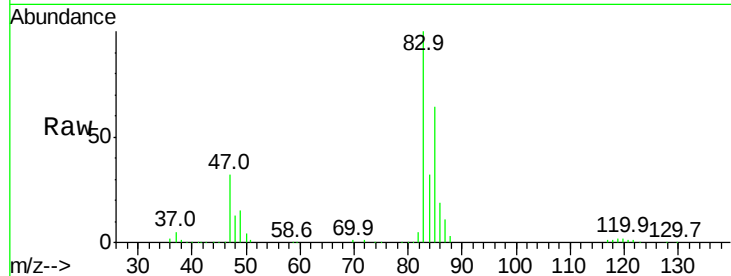




#25
Chloroform
Concen: 45.578 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

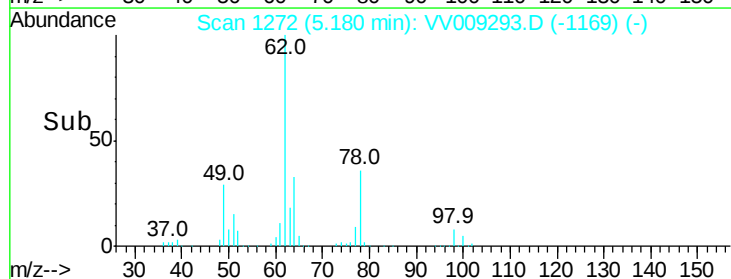
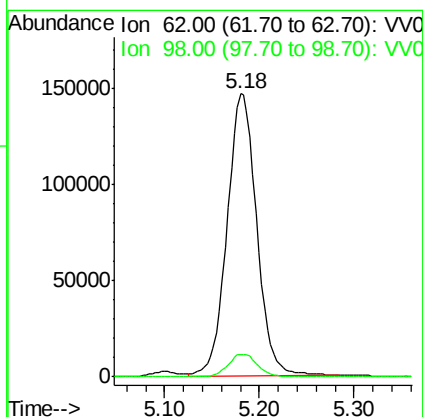
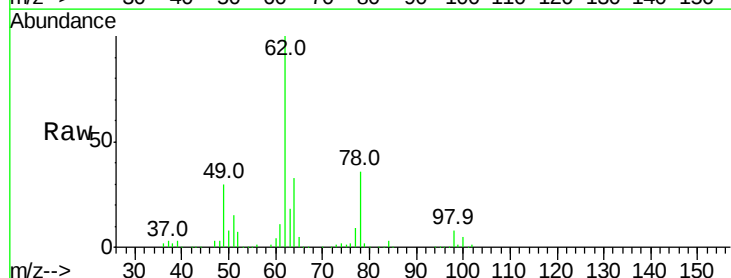
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

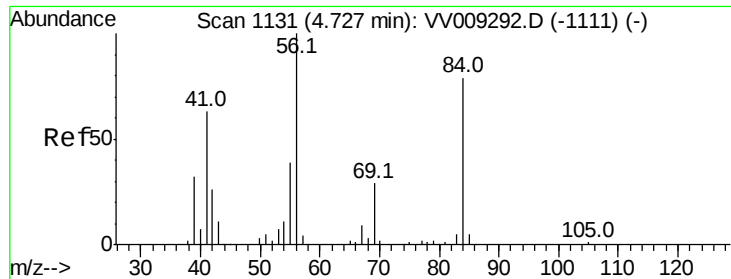
Tgt Ion: 83 Resp: 440598
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 45.958 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Tgt Ion: 62 Resp: 318836
Ion Ratio Lower Upper
62 100
98 8.0 6.2 9.4

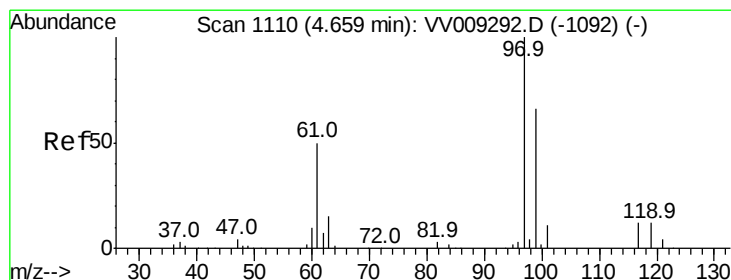
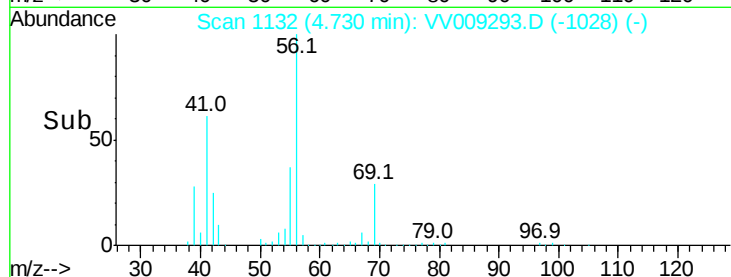
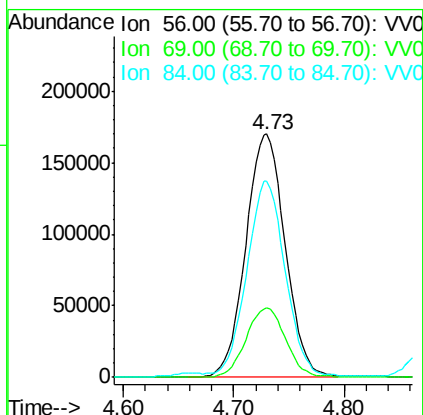
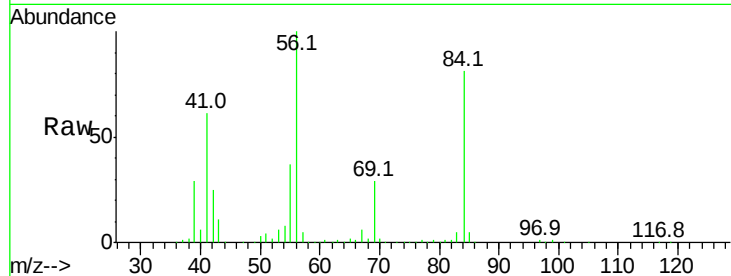




#30
Cyclohexane
Concen: 43.407 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

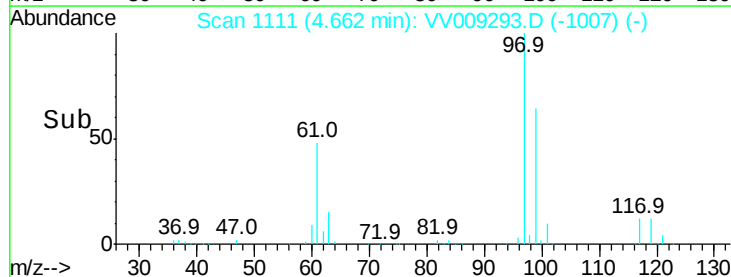
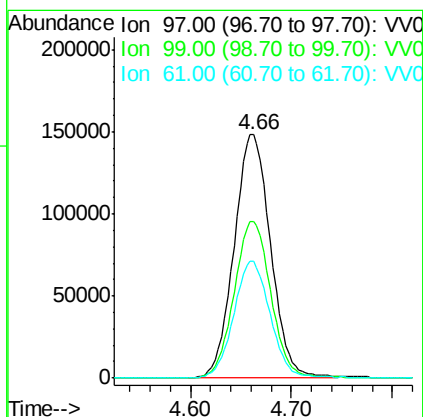
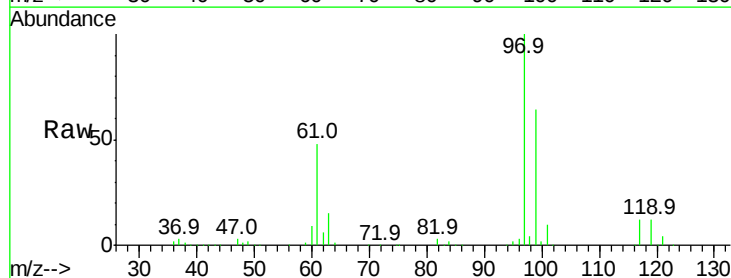
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

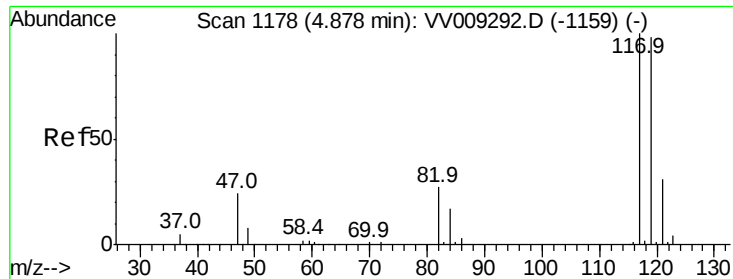
Tgt Ion: 56 Resp: 419838
Ion Ratio Lower Upper
56 100
69 28.9 23.5 35.3
84 78.1 62.2 93.2



#31
1,1,1-Trichloroethane
Concen: 42.067 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Tgt Ion: 97 Resp: 373161
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 48.0 39.4 59.2



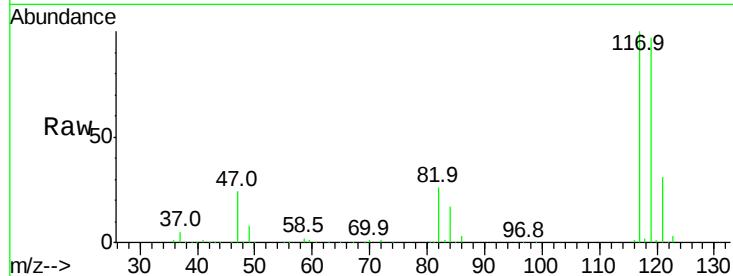


#32

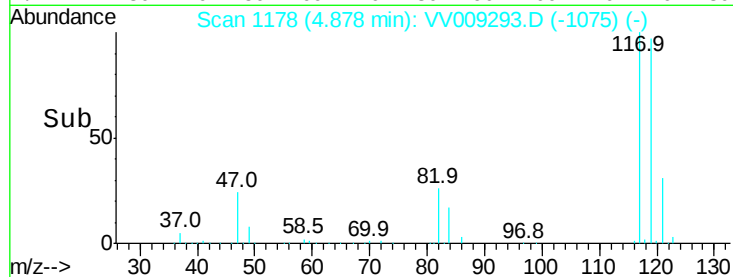
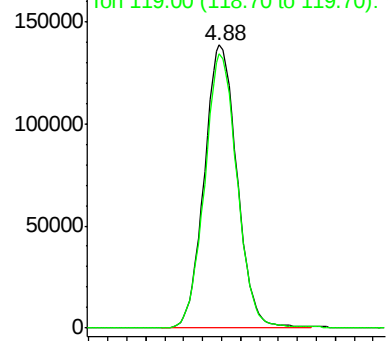
Carbon tetrachloride
Concen: 42.413 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

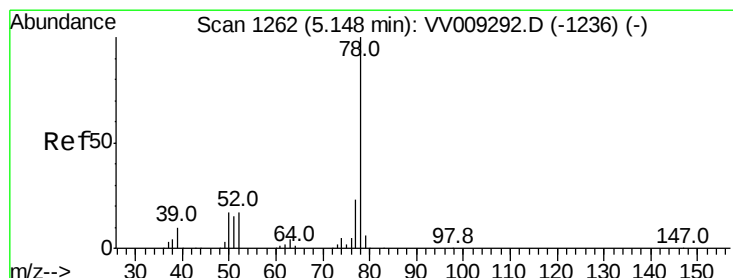
Tgt Ion:117 Resp: 332629
Ion Ratio Lower Upper
117 100
119 95.9 77.5 116.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



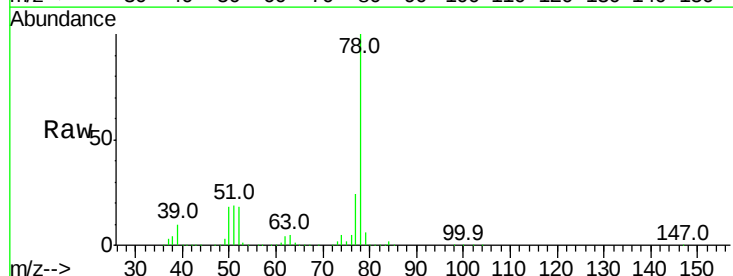
Time-->



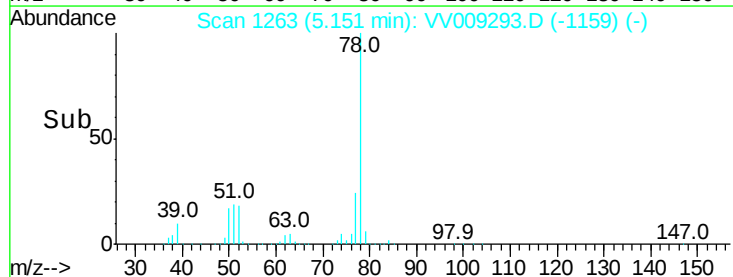
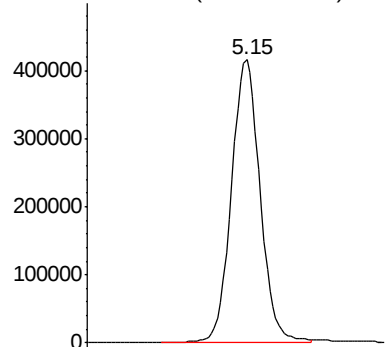
#34

Benzene
Concen: 43.635 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

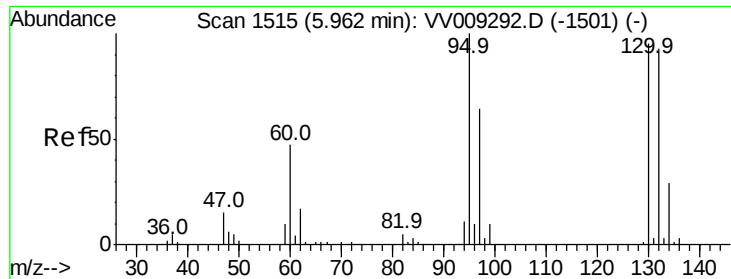
Tgt Ion: 78 Resp: 912921



Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->



#35

Trichloroethene

Concen: 42.887 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

Tgt Ion: 95 Resp: 243317

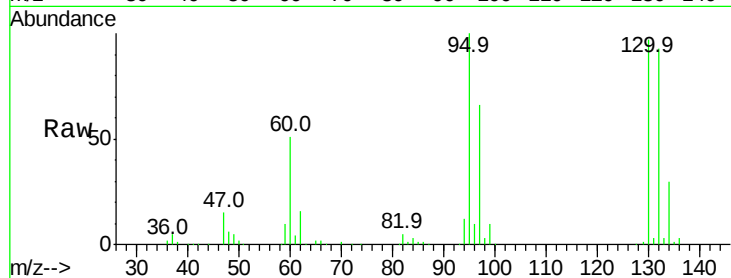
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.5

132 92.6 65.9 122.5

130 96.2 65.8 122.2

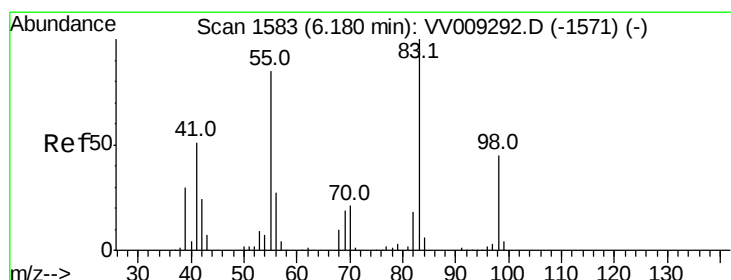
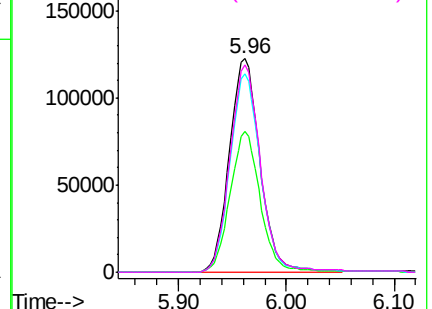
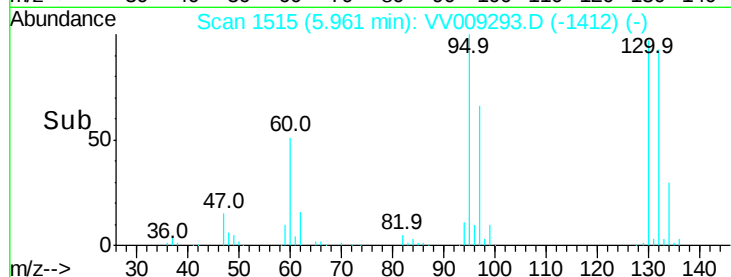


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#36

Methylcyclohexane

Concen: 43.981 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

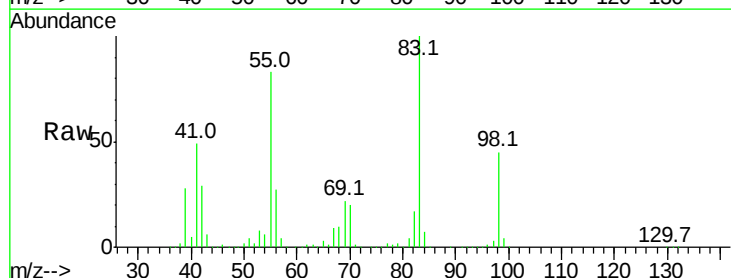
Tgt Ion: 83 Resp: 417045

Ion Ratio Lower Upper

83 100

55 84.6 70.6 105.8

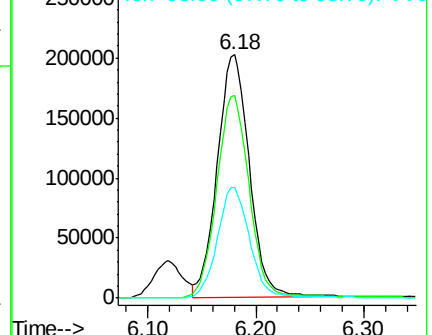
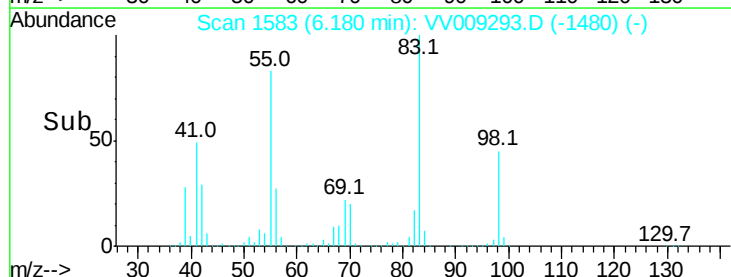
98 45.3 36.7 55.1

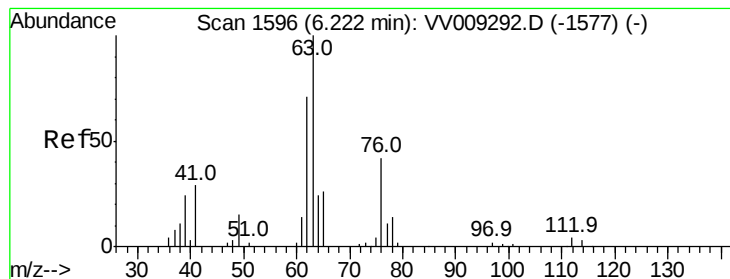


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 45.547 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampled :

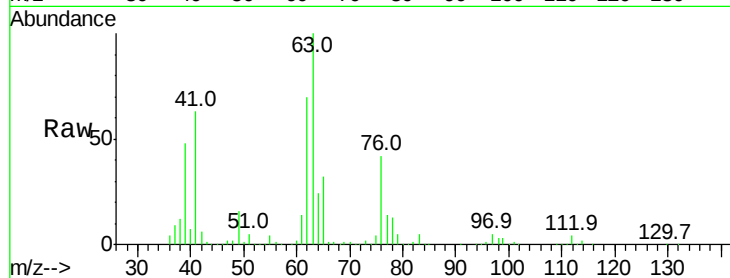
VSTD05064

Tgt Ion: 63 Resp: 250992

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VV009293.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV009293.D (-1493) (-)

6.22

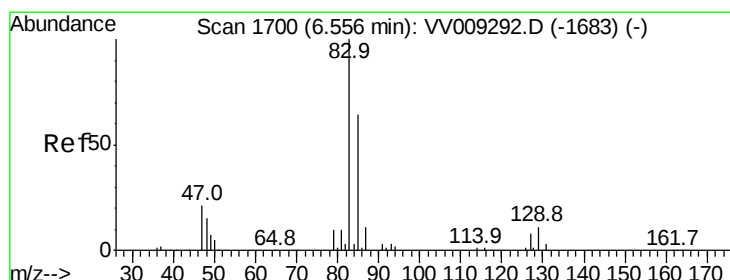
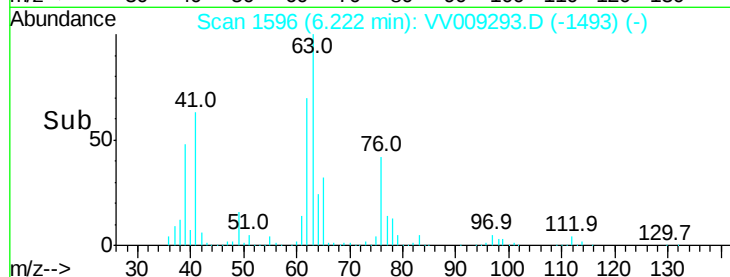
100000

50000

0

6.10 6.20 6.30 6.40

Time-->



#41

Bromodichloromethane

Concen: 44.721 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

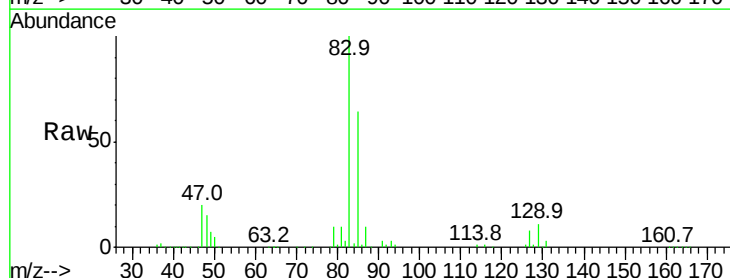
Tgt Ion: 83 Resp: 318554

Ion Ratio Lower Upper

83 100

85 63.7 45.0 83.6

127 7.8 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VV009293.D (-1597) (-)

Ion 85.00 (84.70 to 85.70): VV009293.D (-1597) (-)

Ion 127.00 (126.70 to 127.70): VV009293.D (-1597) (-)

6.56

200000

150000

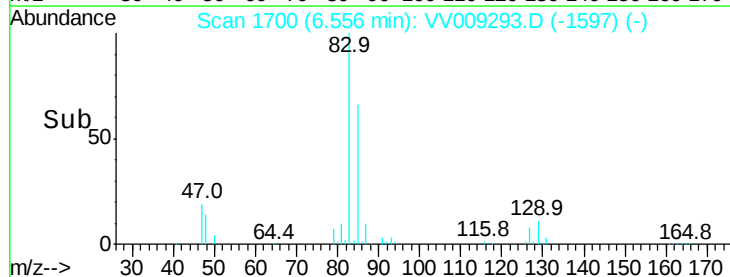
100000

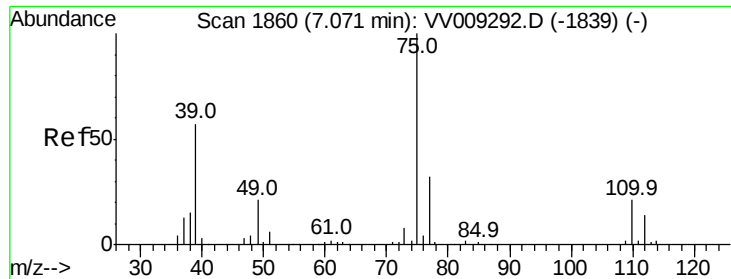
50000

0

6.50 6.60 6.70

Time-->



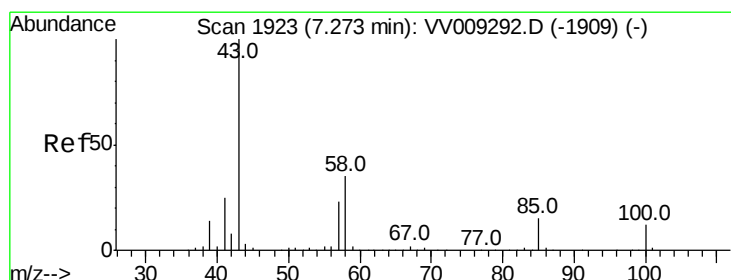
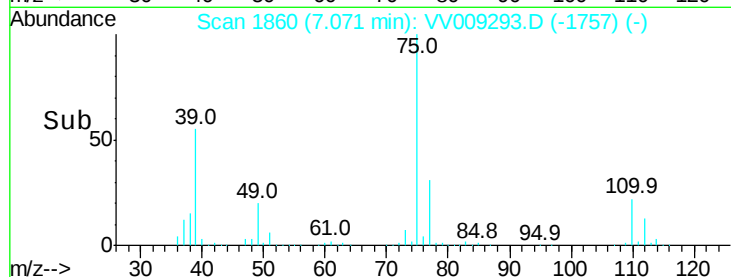
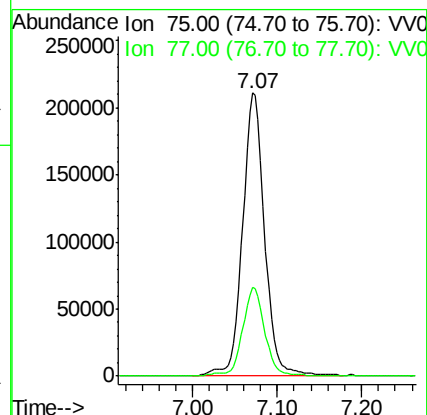
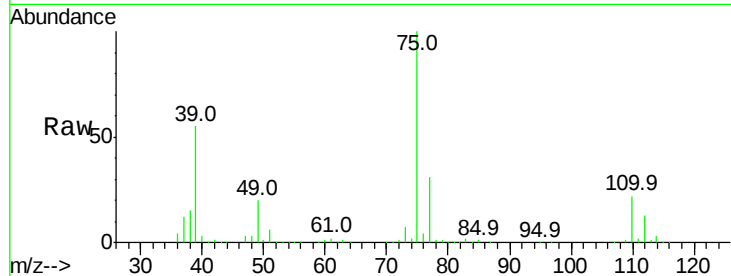


#42

cis-1,3-Dichloropropene
 Concen: 48.153 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

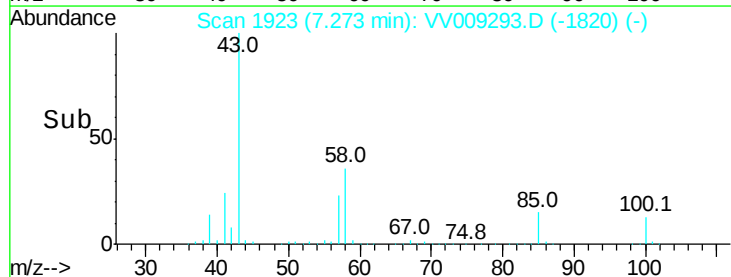
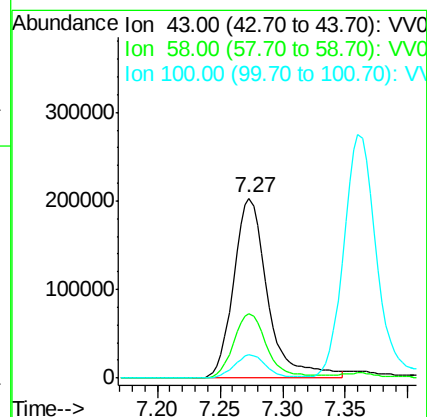
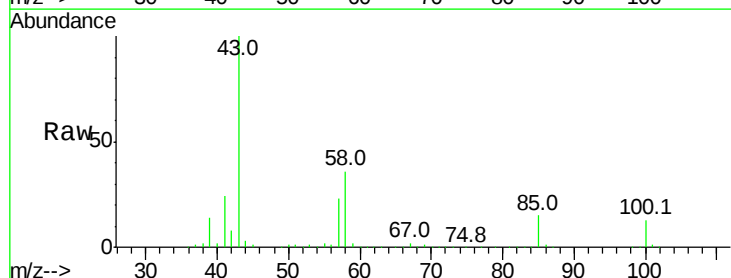
Tgt Ion: 75 Resp: 387454
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.2 41.2

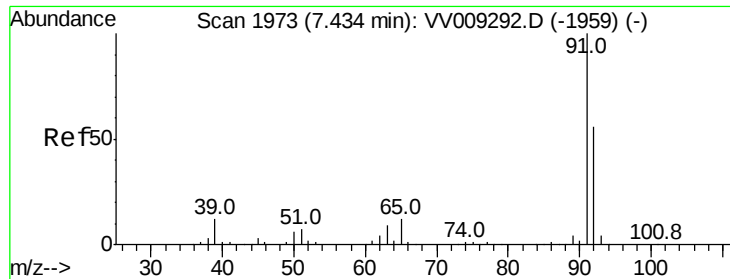


#43

4-Methyl-2-pentanone
 Concen: 73.008 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion: 43 Resp: 384813
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.4 42.6
 100 11.8 9.6 14.4





#44

Toluene

Concen: 46.387 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

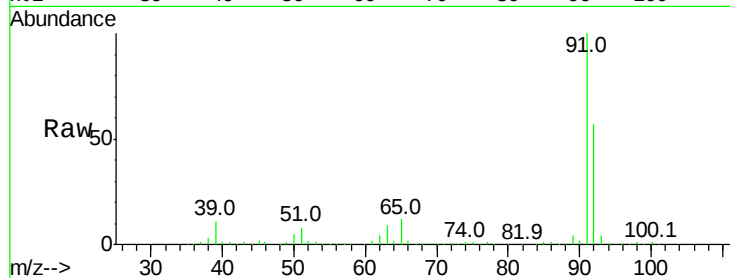
VSTD05064

Tgt Ion: 91 Resp: 1018285

Ion Ratio Lower Upper

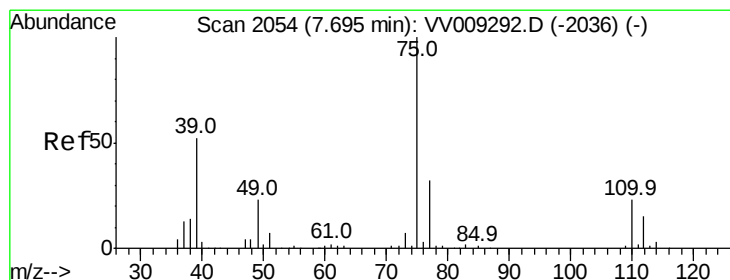
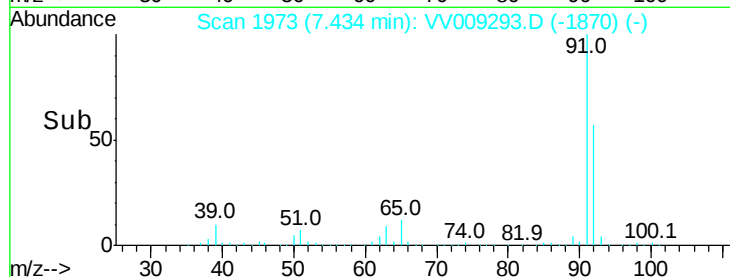
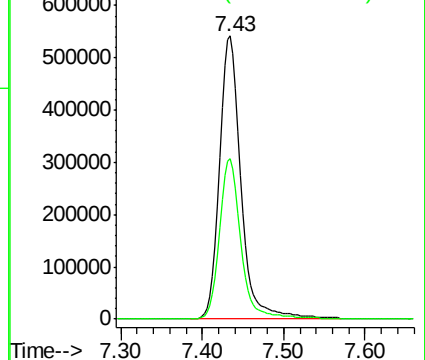
91 100

92 56.7 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 47.977 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009293.D

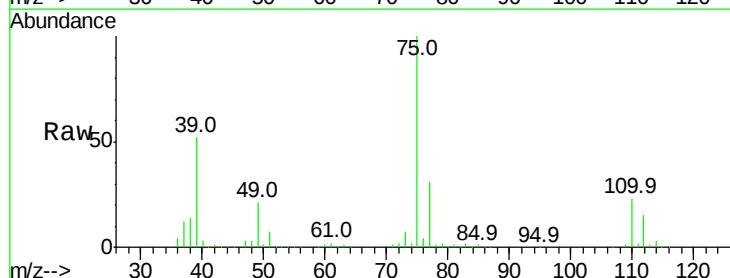
Acq: 13 Feb 2019 14:18

Tgt Ion: 75 Resp: 344006

Ion Ratio Lower Upper

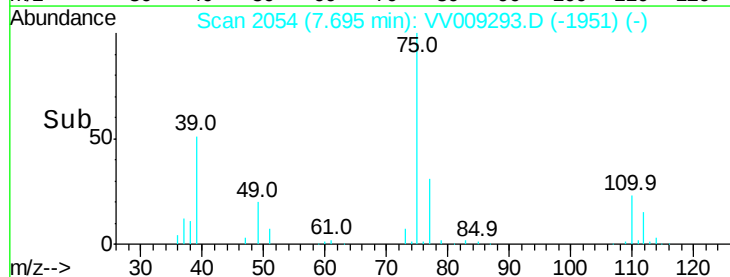
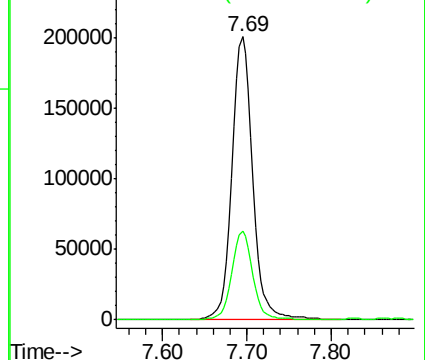
75 100

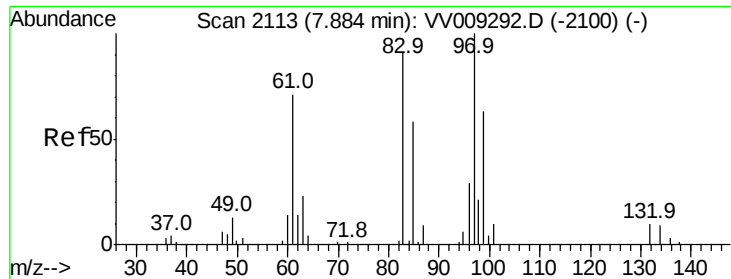
77 31.3 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

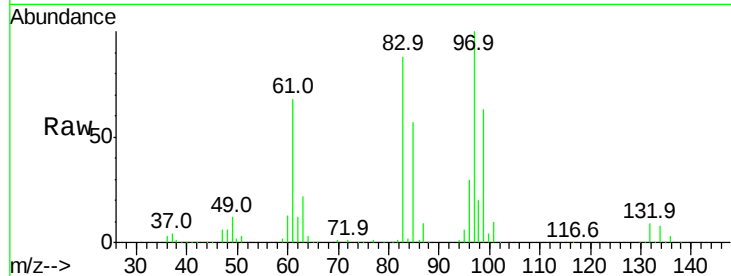




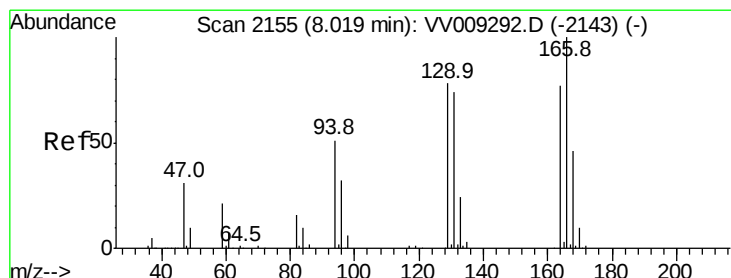
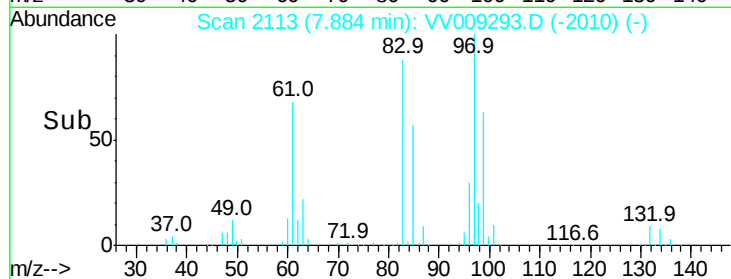
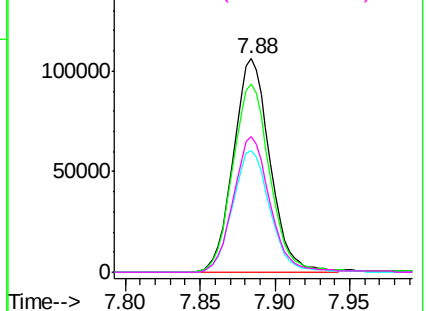
#46
 1,1,2-Trichloroethane
 Concen: 43.208 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion: 97 Resp: 181209
 Ion Ratio Lower Upper
 97 100
 83 88.2 63.4 117.8
 85 57.0 40.7 75.7
 99 63.4 43.8 81.4

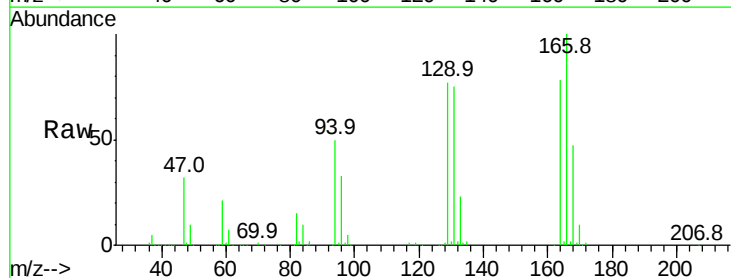


Abundance Ion 97.00 (96.70 to 97.70): VV009293.D (-2010) (-)
 Ion 83.00 (82.70 to 83.70): VV009293.D (-2010) (-)
 Ion 85.00 (84.70 to 85.70): VV009293.D (-2010) (-)
 Ion 99.00 (98.70 to 99.70): VV009293.D (-2010) (-)

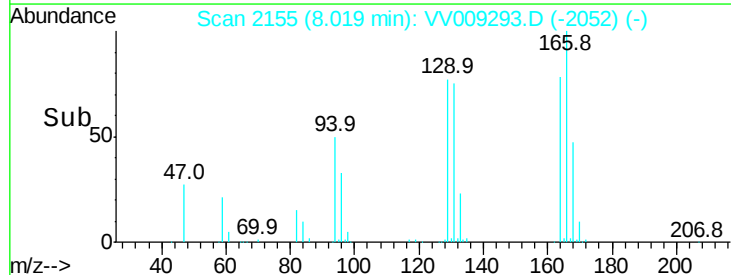
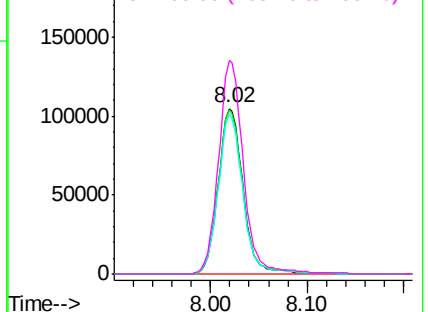


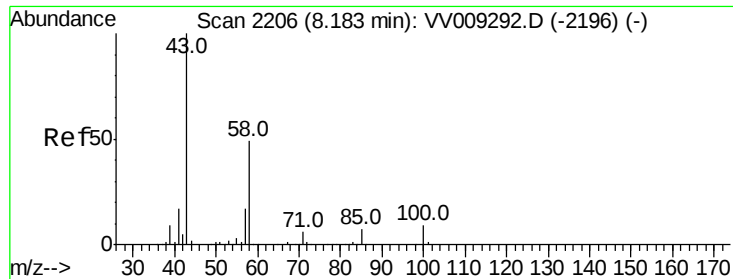
#47
 Tetrachloroethene
 Concen: 43.826 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion: 164 Resp: 187469
 Ion Ratio Lower Upper
 164 100
 129 98.9 71.1 132.1
 131 96.3 67.4 125.2
 166 129.0 91.4 169.8



Abundance Ion 164.00 (163.70 to 164.70): VV009293.D (-2052) (-)
 Ion 129.00 (128.70 to 129.70): VV009293.D (-2052) (-)
 Ion 131.00 (130.70 to 131.70): VV009293.D (-2052) (-)
 Ion 166.00 (165.70 to 166.70): VV009293.D (-2052) (-)

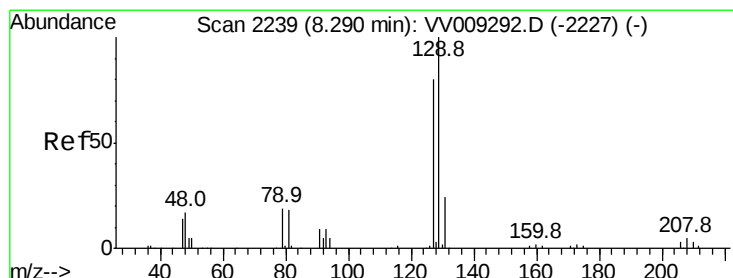
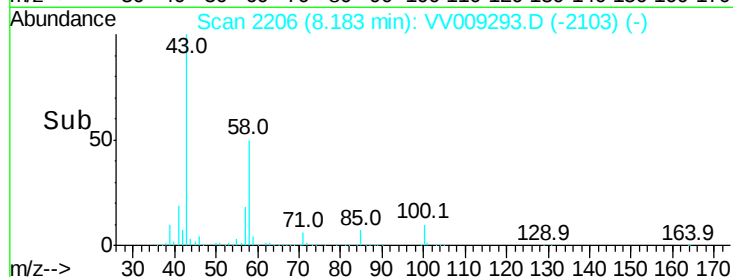
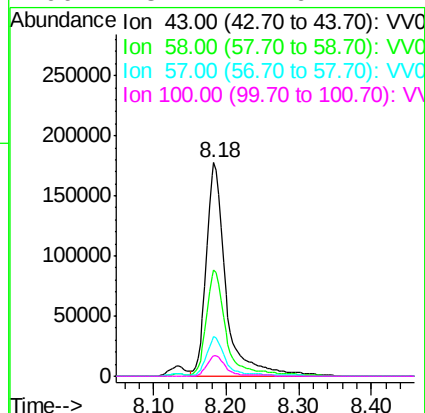
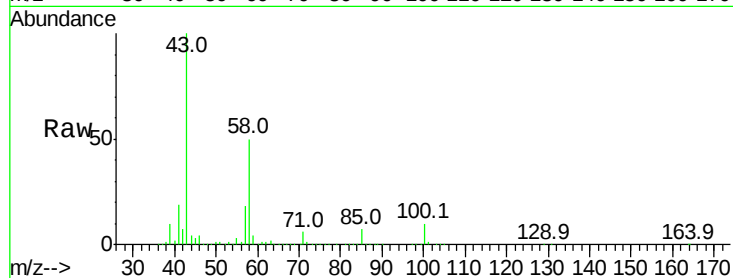




#49
2-Hexanone
Concen: 74.654 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

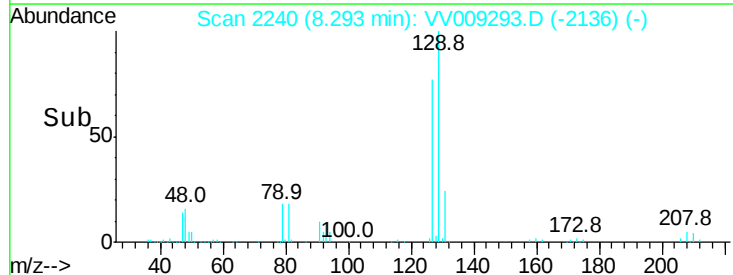
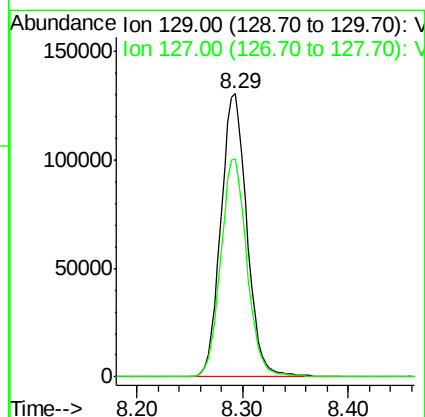
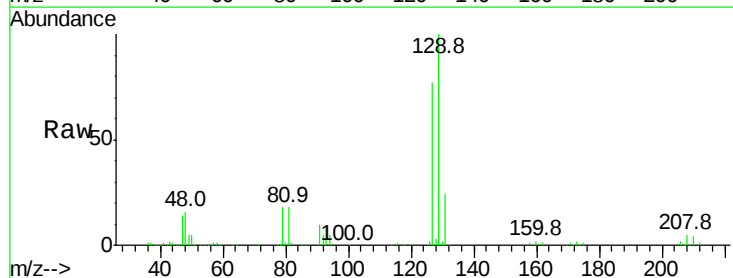
Instrument :
MSVOA_V
ClientSampled :
VSTD05064

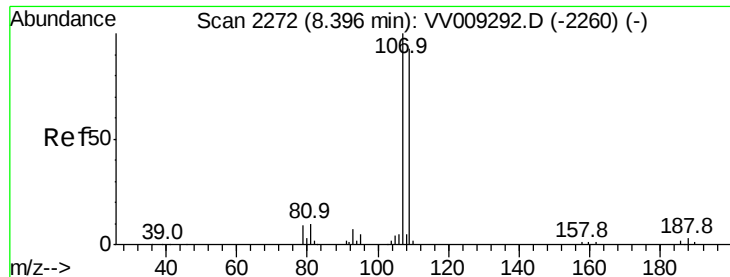
Tgt Ion: 43 Resp: 337421
Ion Ratio Lower Upper
43 100
58 50.6 40.6 61.0
57 16.4 14.1 21.1
100 8.7 7.6 11.4



#50
Dibromochloromethane
Concen: 46.518 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Tgt Ion: 129 Resp: 224012
Ion Ratio Lower Upper
129 100
127 77.1 56.2 104.4





#51

1,2-Dibromoethane

Concen: 42.571 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

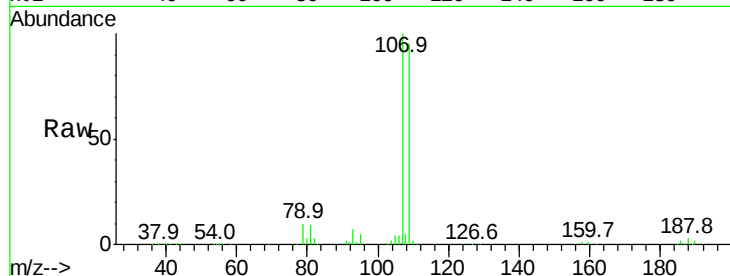
Tgt Ion:107 Resp: 178965

Ion Ratio Lower Upper

107 100

109 94.8 65.2 121.2

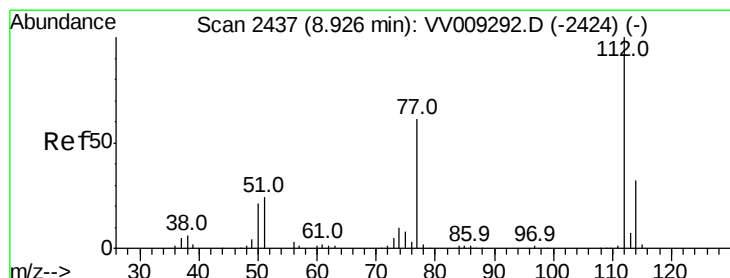
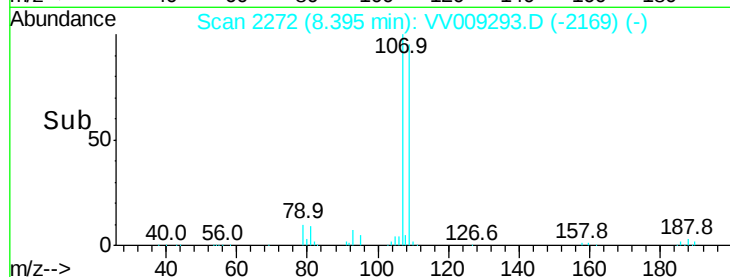
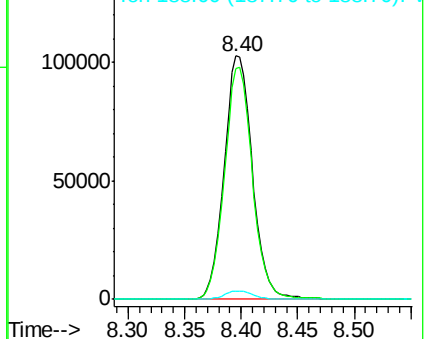
188 3.4 2.8 4.2



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



#52

Chlorobenzene

Concen: 46.287 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

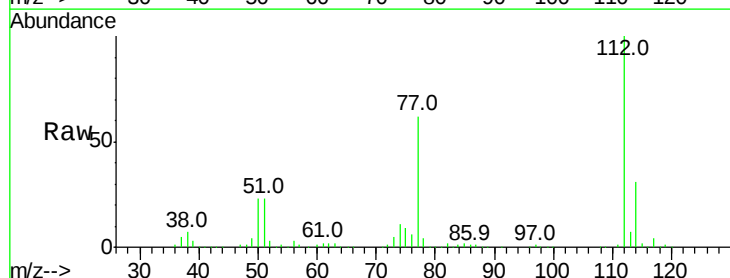
Tgt Ion:112 Resp: 641991

Ion Ratio Lower Upper

112 100

77 61.5 48.9 73.3

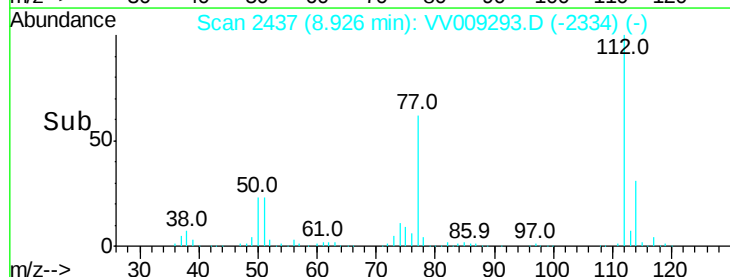
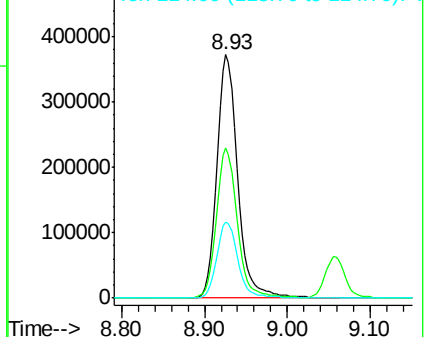
114 31.4 22.0 41.0

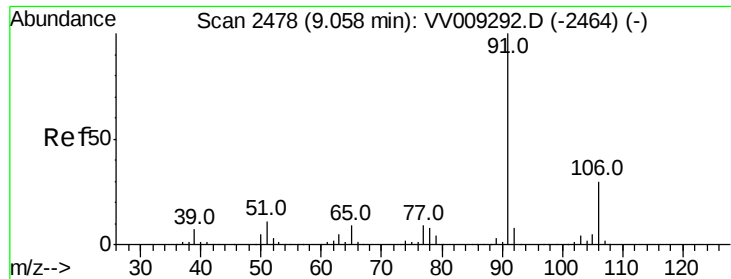


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

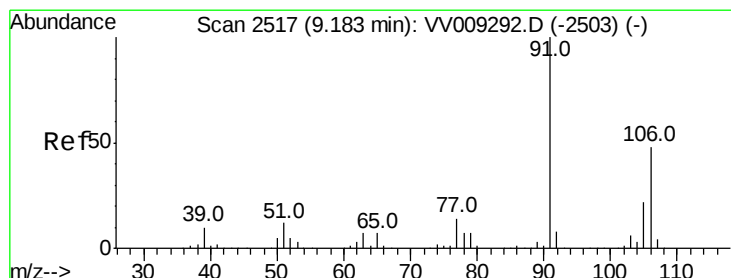
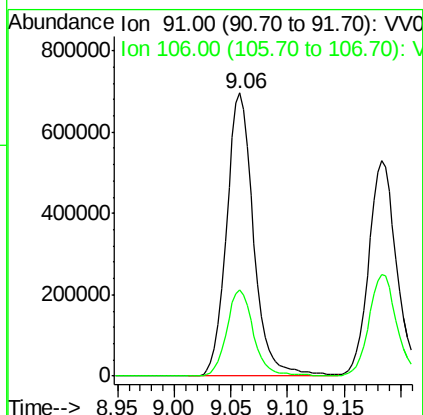
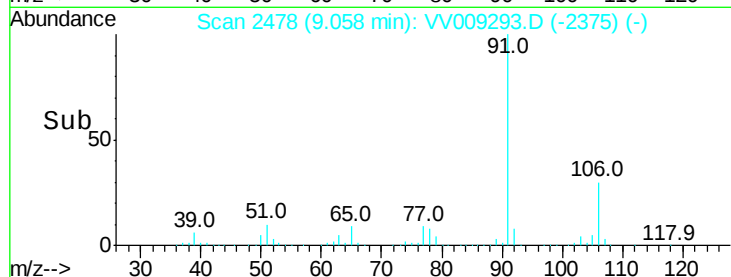
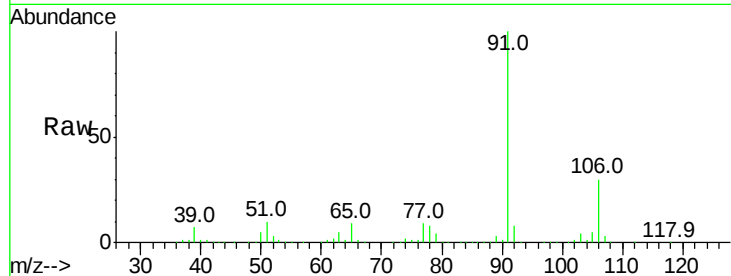




#53
Ethylbenzene
Concen: 47.689 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

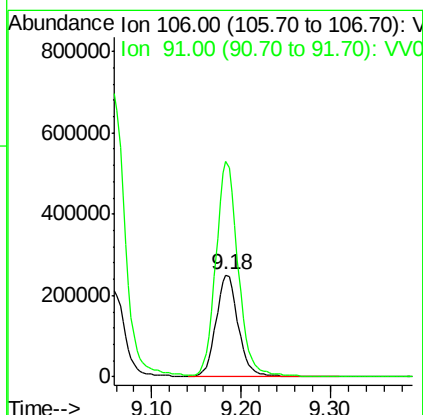
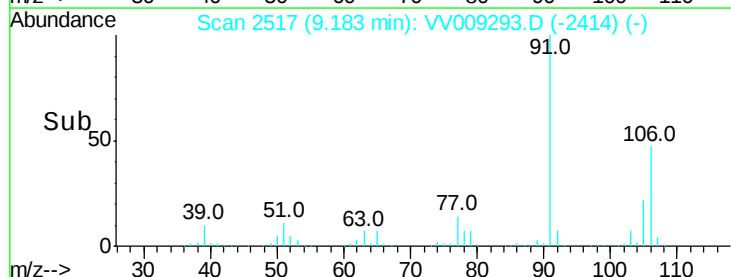
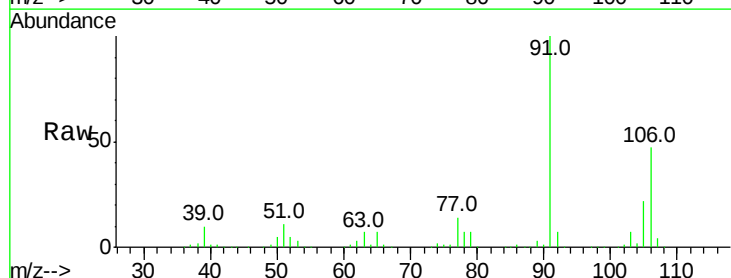
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

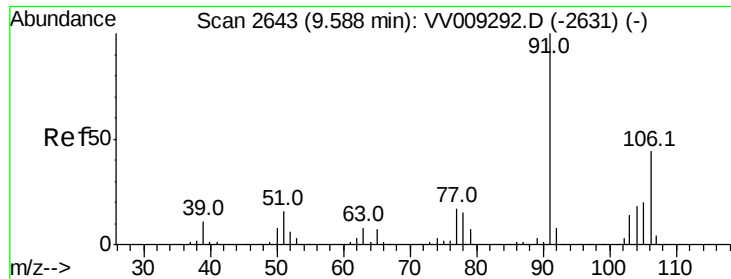
Tgt Ion: 91 Resp: 1159850
Ion Ratio Lower Upper
91 100
106 30.4 20.7 38.5



#54
m,p-Xylene
Concen: 48.451 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009293.D
Acq: 13 Feb 2019 14:18

Tgt Ion: 106 Resp: 433917
Ion Ratio Lower Upper
106 100
91 211.3 145.3 269.9





#55

o-xylene

Concen: 49.505 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

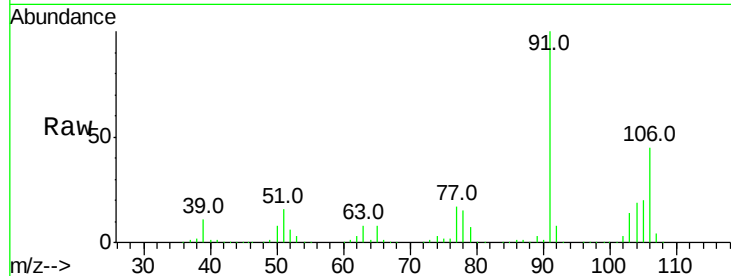
VSTD05064

Tgt Ion:106 Resp: 419503

Ion Ratio Lower Upper

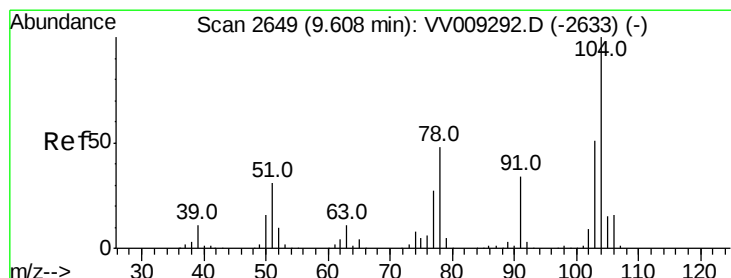
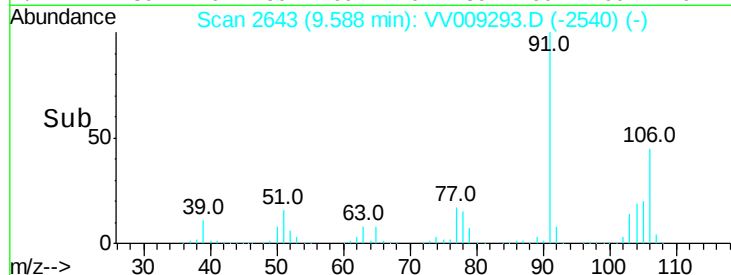
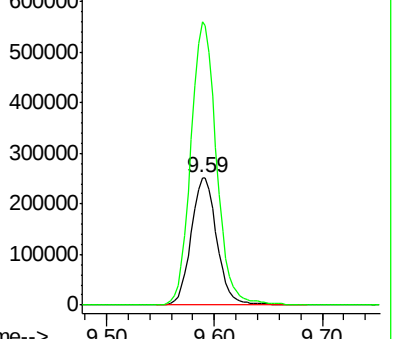
106 100

91 221.8 159.6 296.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 50.917 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009293.D

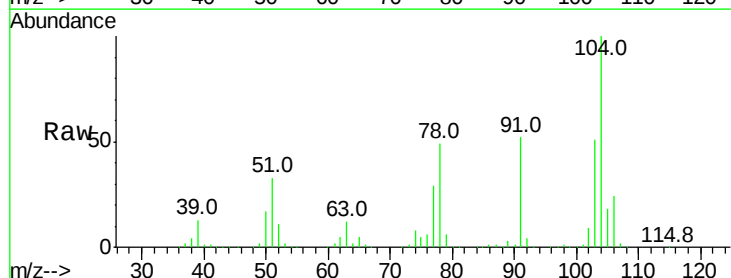
Acq: 13 Feb 2019 14:18

Tgt Ion:104 Resp: 726417

Ion Ratio Lower Upper

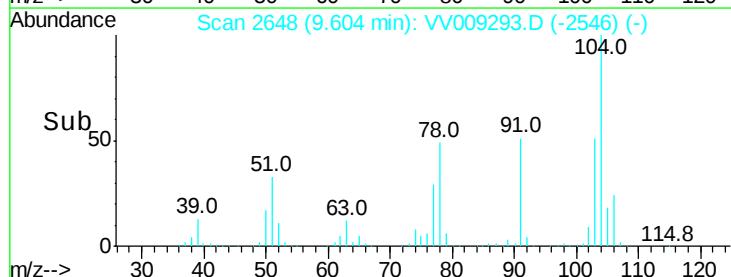
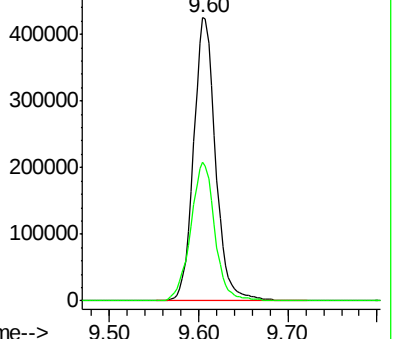
104 100

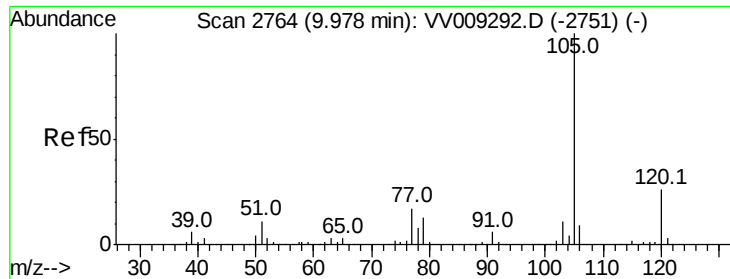
78 49.0 33.6 62.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 49.051 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

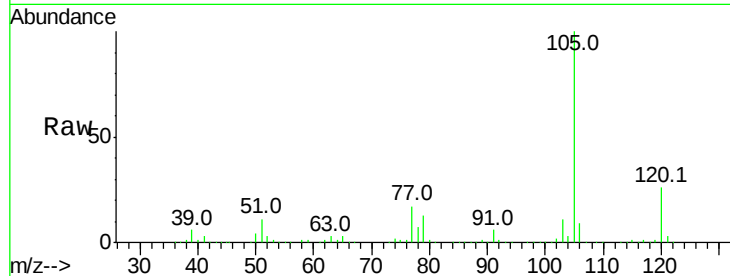
Tgt Ion:105 Resp: 1140671

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

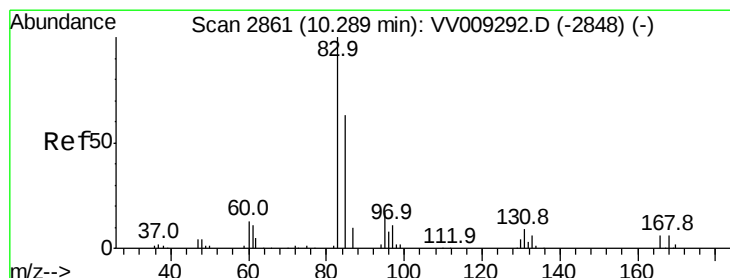
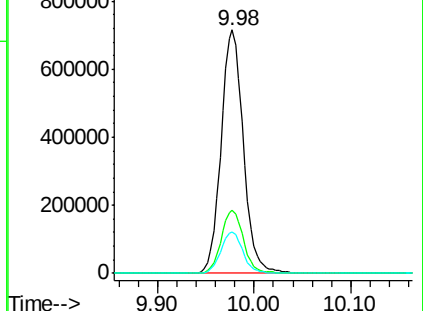
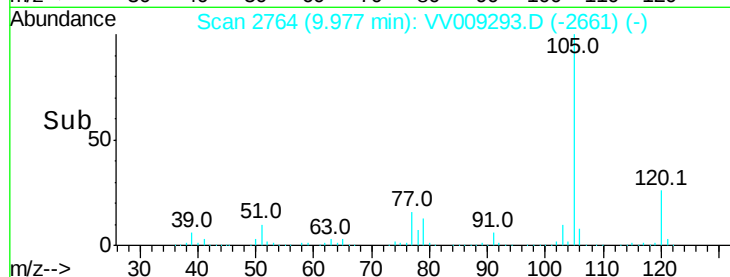
77 16.9 13.8 20.8



Abundance Ion 105.00 (104.70 to 105.70): VV009293.D (-2751) (-)

Ion 120.00 (119.70 to 120.70): VV009293.D (-2751) (-)

Ion 77.00 (76.70 to 77.70): VV009293.D (-2751) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 41.188 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

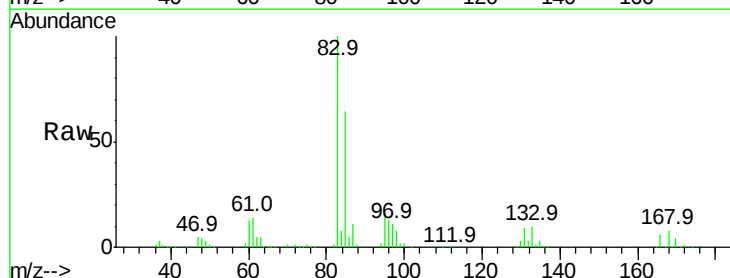
Tgt Ion: 83 Resp: 252103

Ion Ratio Lower Upper

83 100

85 63.9 44.7 82.9

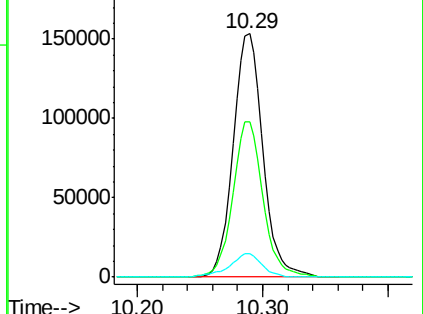
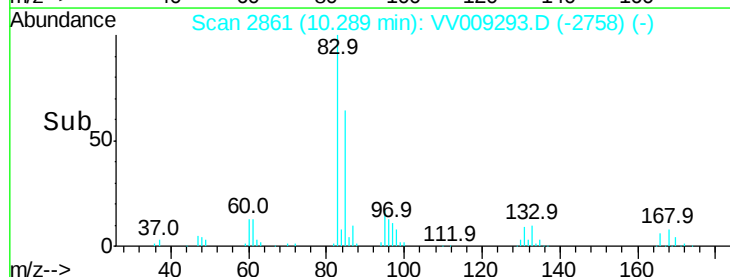
131 9.5 7.8 11.6

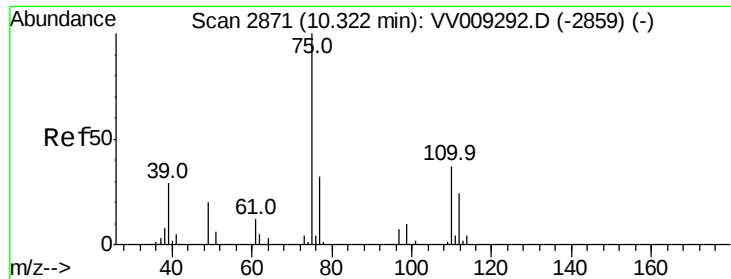


Abundance Ion 83.00 (82.70 to 83.70): VV009293.D (-2758) (-)

Ion 85.00 (84.70 to 85.70): VV009293.D (-2758) (-)

Ion 131.00 (130.70 to 131.70): VV009293.D (-2758) (-)

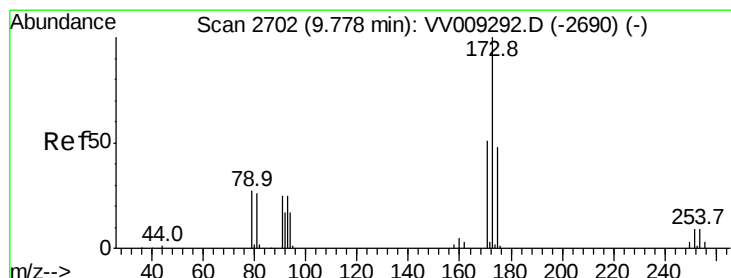
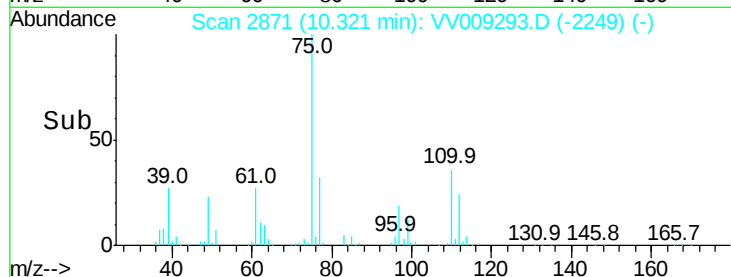
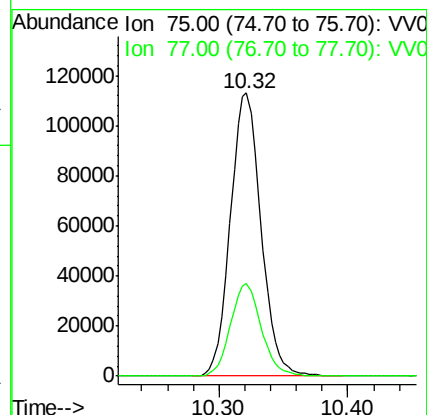
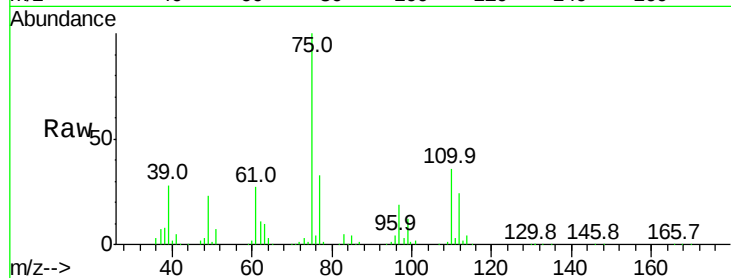




#59
 1,2,3-Trichloropropane
 Concen: 38.902 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

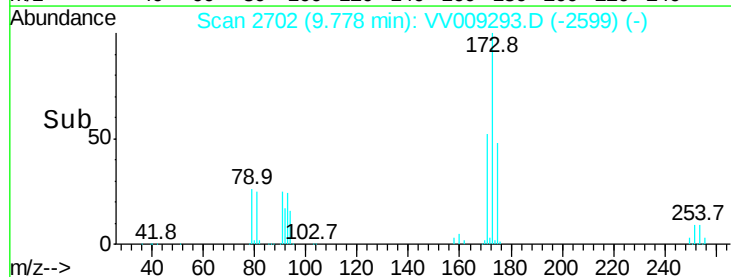
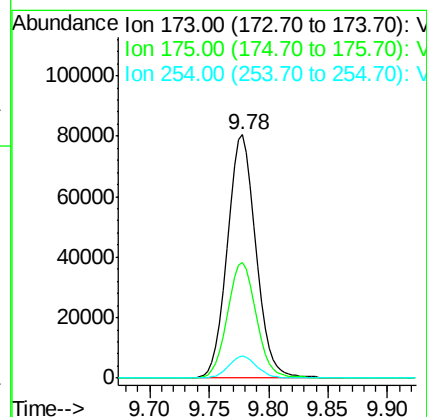
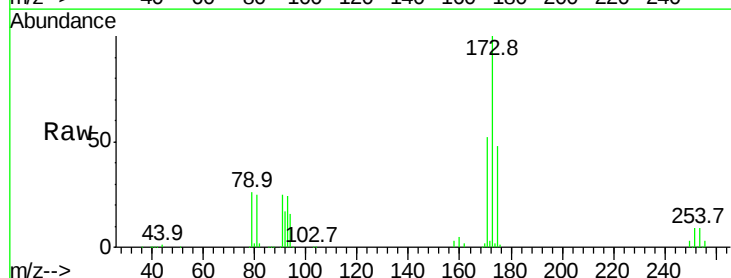
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

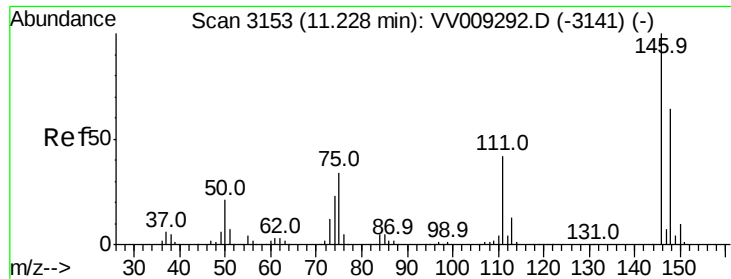
Tgt Ion: 75 Resp: 186322
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.2 39.2



#62
 Bromoform
 Concen: 43.815 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion: 173 Resp: 133859
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.9 59.9
 254 9.0 6.9 10.3

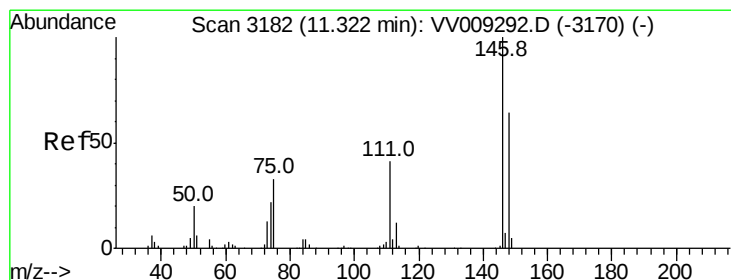
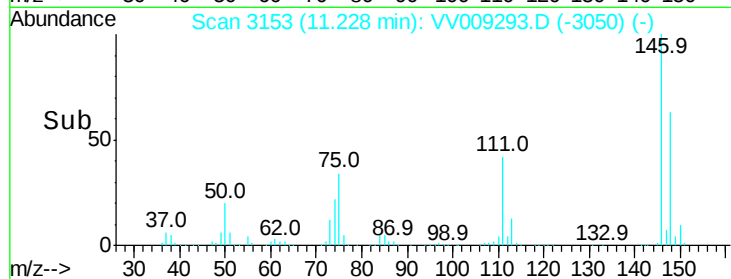
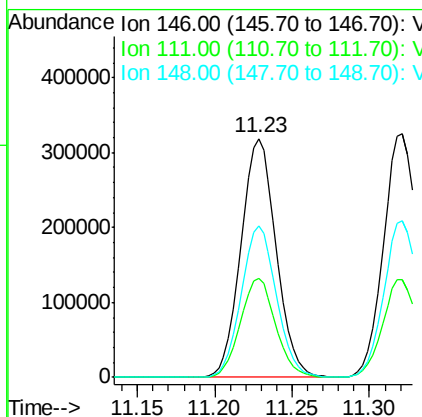
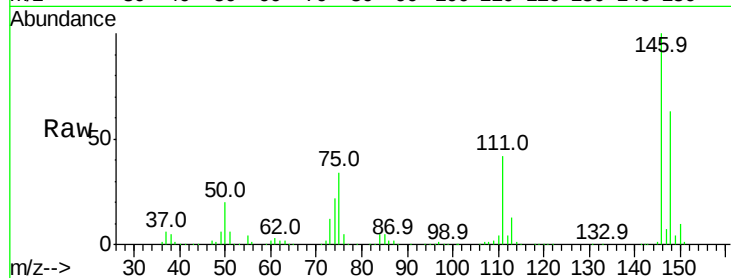




#63
 1,3-Dichlorobenzene
 Concen: 46.172 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

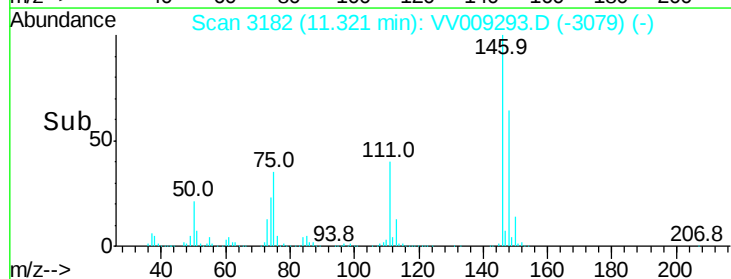
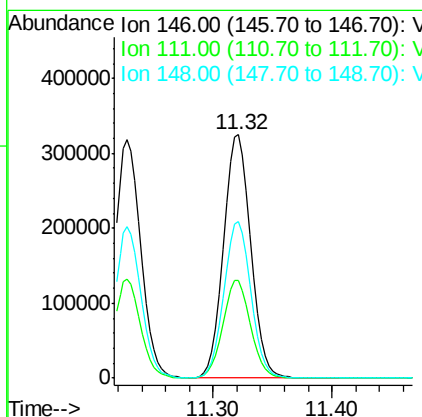
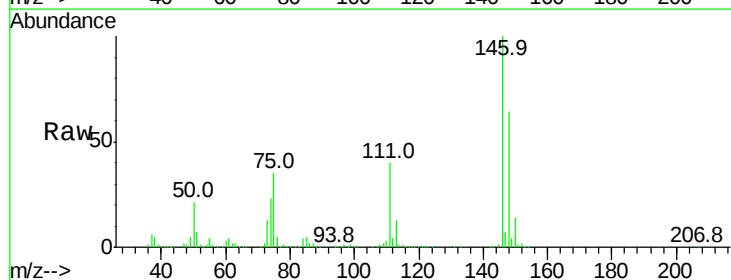
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

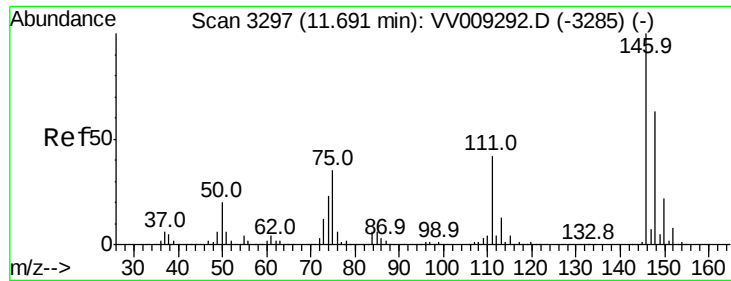
Tgt Ion:146 Resp: 504630
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.5 54.7
 148 63.3 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 46.660 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion:146 Resp: 515380
 Ion Ratio Lower Upper
 146 100
 111 40.1 28.6 53.0
 148 64.4 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 46.970 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

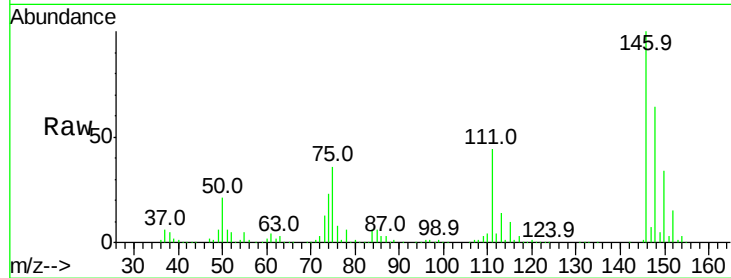
Tgt Ion:146 Resp: 480638

Ion Ratio Lower Upper

146 100

111 43.6 33.8 50.8

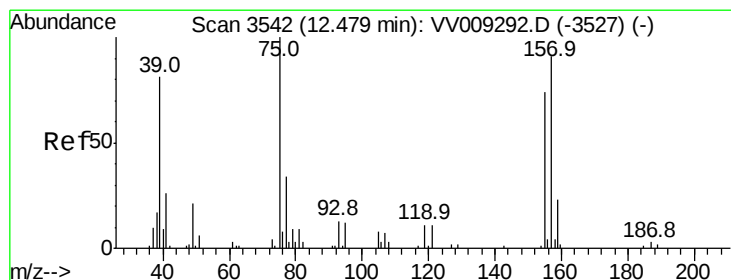
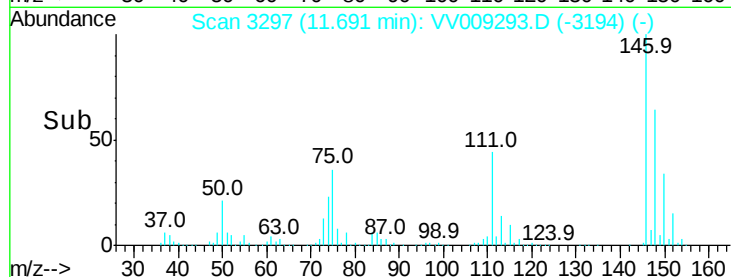
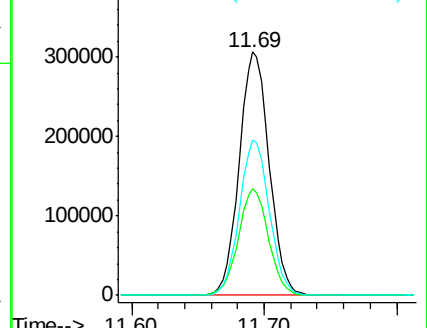
148 63.7 50.1 75.1



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: 34.397 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

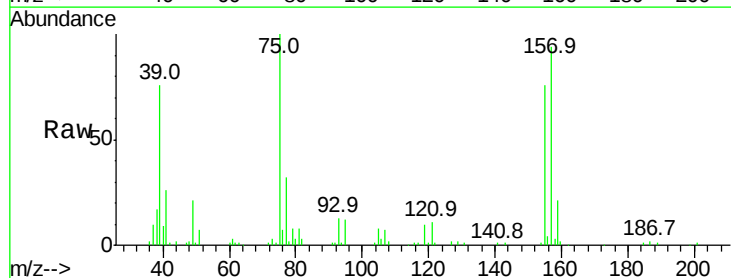
Tgt Ion: 75 Resp: 44473

Ion Ratio Lower Upper

75 100

157 93.9 72.6 109.0

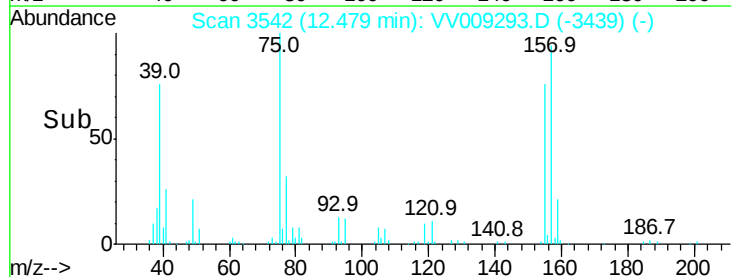
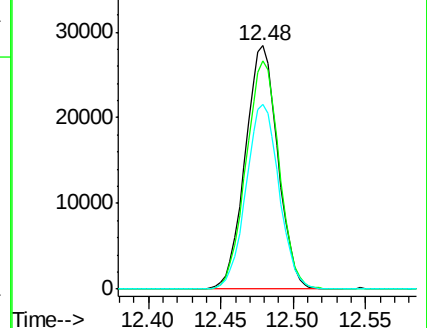
155 76.0 59.0 88.6

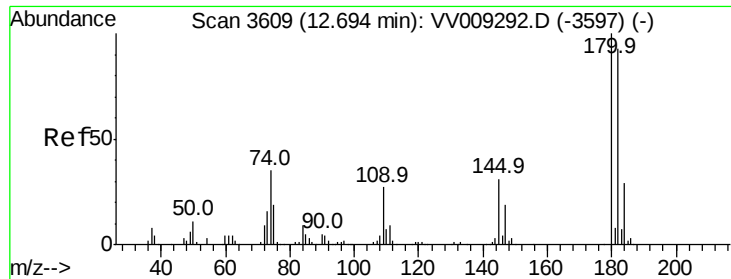


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

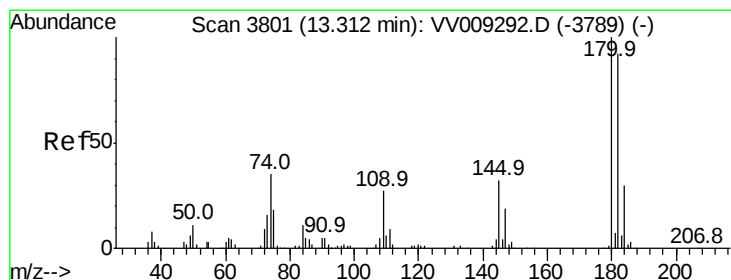
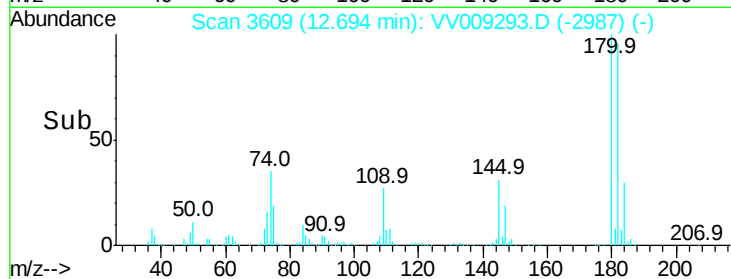
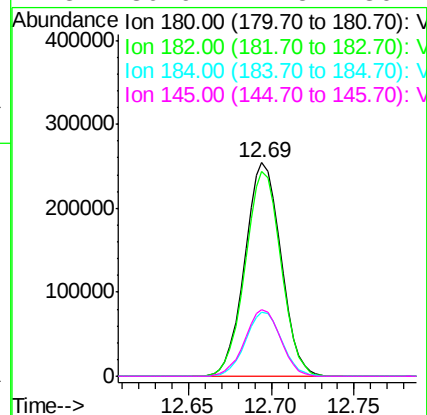
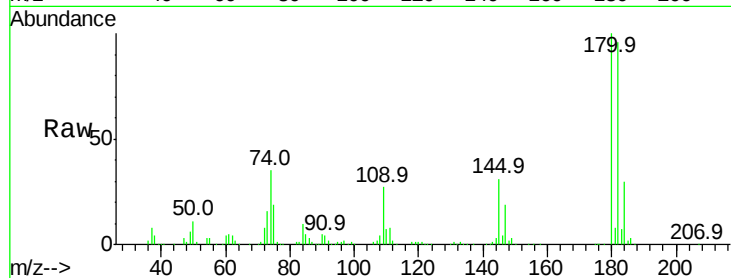




#67
 1,3,5-Trichlorobenzene
 Concen: 47.502 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

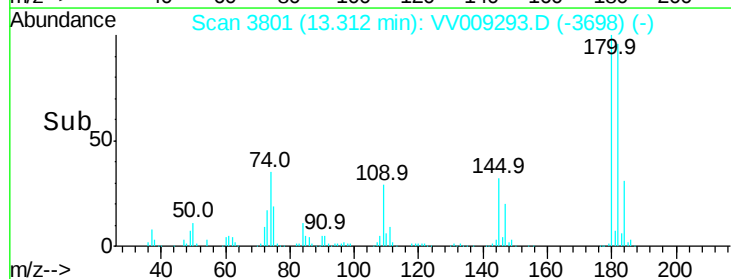
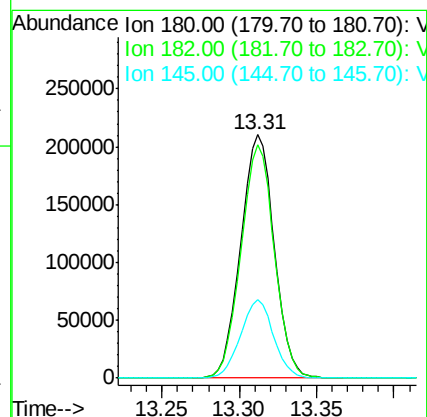
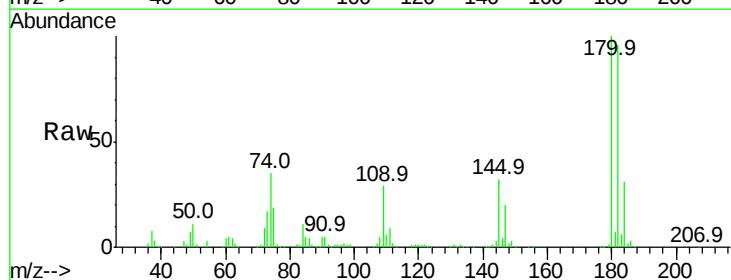
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

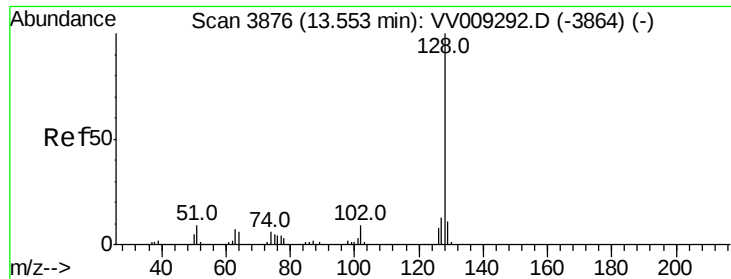
Tgt Ion:	180	Resp:	385479
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
184	30.1	23.8	35.6
145	30.9	24.5	36.7



#68
 1,2,4-trichlorobenzene
 Concen: 50.017 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009293.D
 Acq: 13 Feb 2019 14:18

Tgt Ion:	180	Resp:	316245
Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.1	111.1
145	31.8	25.4	38.2





#69

Naphthalene

Concen: 48.814 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

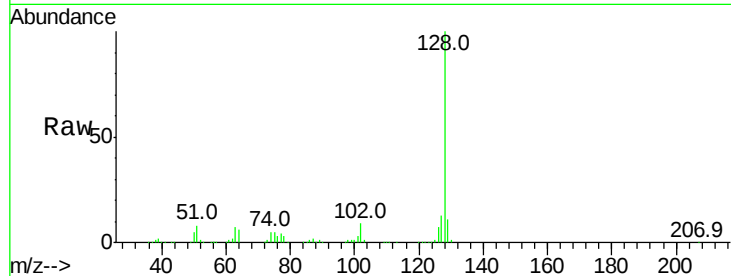
Tgt Ion:128 Resp: 622434

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

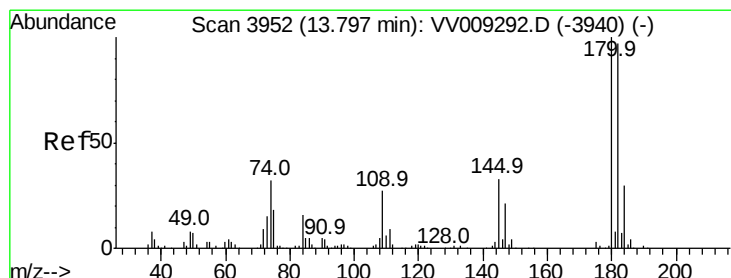
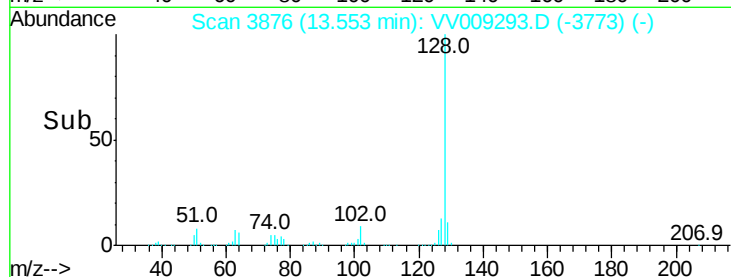
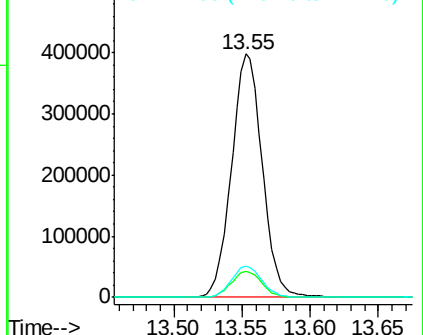
127 12.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.478 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009293.D

Acq: 13 Feb 2019 14:18

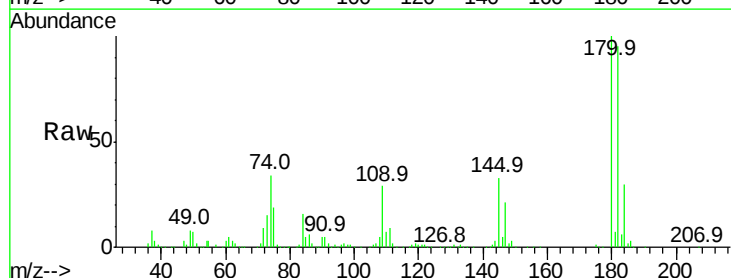
Tgt Ion:180 Resp: 290042

Ion Ratio Lower Upper

180 100

182 94.6 77.7 116.5

145 32.9 26.9 40.3



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

