

Data File : VV009855.D
Acq On : 25 Mar 2019 12:11
Operator : SY/MD
Sample : VSTD05065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Quant Time: Mar 26 06:02:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 05:58:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	172210	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	181338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88345	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89915	69.65	ug/L	0.00
7) Chloroethane-d5	1.55	69	108847	92.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	257621	94.34	ug/L	0.00
21) 2-Butanone-d5	3.93	46	80645	95.56	ug/L	0.00
24) Chloroform-d	4.40	84	123928	56.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	81470	62.85	ug/L	0.00
32) Benzene-d6	5.10	84	247964	51.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	77095	51.75	ug/L	0.00
41) Toluene-d8	7.36	98	240052	52.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	34022	47.82	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	64224	87.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	119870	52.25	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	97170	53.60	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	71687	49.221	ug/L	100
3) Chloromethane	1.25	50	76035	52.835	ug/L	100
5) Vinyl chloride	1.33	62	106822	65.705	ug/L	100
6) Bromomethane	1.51	94	88644	88.662	ug/L	100
8) Chloroethane	1.58	64	90636	84.623	ug/L	100
9) Trichlorofluoromethane	1.76	101	236477	95.970	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	128735	89.436	ug/L	100
12) 1,1-Dichloroethene	2.13	96	114090	83.092	ug/L	100
13) Acetone	2.19	43	77409	88.144	ug/L	100
14) Carbon disulfide	2.31	76	144540	43.417	ug/L	100
15) Methyl Acetate	2.46	43	56597	44.431	ug/L	100
16) Methylene chloride	2.53	84	64411	49.456	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	56656	47.358	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	180935	51.708	ug/L	100
19) 1,1-Dichloroethane	3.23	63	113053	53.489	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	66125	50.029	ug/L	100
22) 2-Butanone	4.02	43	95915	93.006	ug/L	100
23) Bromochloromethane	4.30	128	33233	47.438	ug/L	100
25) Chloroform	4.43	83	120392	54.360	ug/L	100
27) 1,2-Dichloroethane	5.18	62	96406	59.789	ug/L	100
29) Cyclohexane	4.73	56	96922	49.561	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	100187	51.063	ug/L	100
31) Carbon tetrachloride	4.88	117	86619	50.042	ug/L	100
33) Benzene	5.15	78	255752	49.189	ug/L	100
34) Trichloroethene	5.96	95	64866	47.386	ug/L	100
35) Methylcyclohexane	6.18	83	106553	49.678	ug/L	100
37) 1,2-Dichloropropane	6.22	63	65018	48.968	ug/L	100
38) Bromodichloromethane	6.56	83	82869	48.586	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	102233	48.191	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	186189	101.343	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	294366	51.591	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	90616	49.266	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	65529	48.109	ug/L	100
46) Tetrachloroethene	8.02	164	50086	44.214	ug/L	100
48) 2-Hexanone	8.19	43	151981	99.834	ug/L	100
49) Dibromochloromethane	8.29	129	66188	44.205	ug/L	100
50) 1,2-Dibromoethane	8.40	107	69978	46.797	ug/L	100
51) Chlorobenzene	8.93	112	188955	49.996	ug/L	100
52) Ethylbenzene	9.06	91	321321	51.632	ug/L	100
53) m,p-Xylene	9.18	106	123845	51.735	ug/L	100
54) o-xylene	9.59	106	128679	54.189	ug/L	100
55) Styrene	9.60	104	213623	53.410	ug/L	100
56) Isopropylbenzene	9.98	105	322331	52.727	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	121347	51.291	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	85574	47.597	ug/L	100
61) Bromoform	9.78	173	44256	40.732	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	139135	49.365	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	145625	49.609	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	148023	51.075	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	19317	41.779	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	99526	46.086	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	77520	41.463	ug/L	100
69) Naphthalene	13.55	128	218827	37.649	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	82117	42.120	ug/L	100

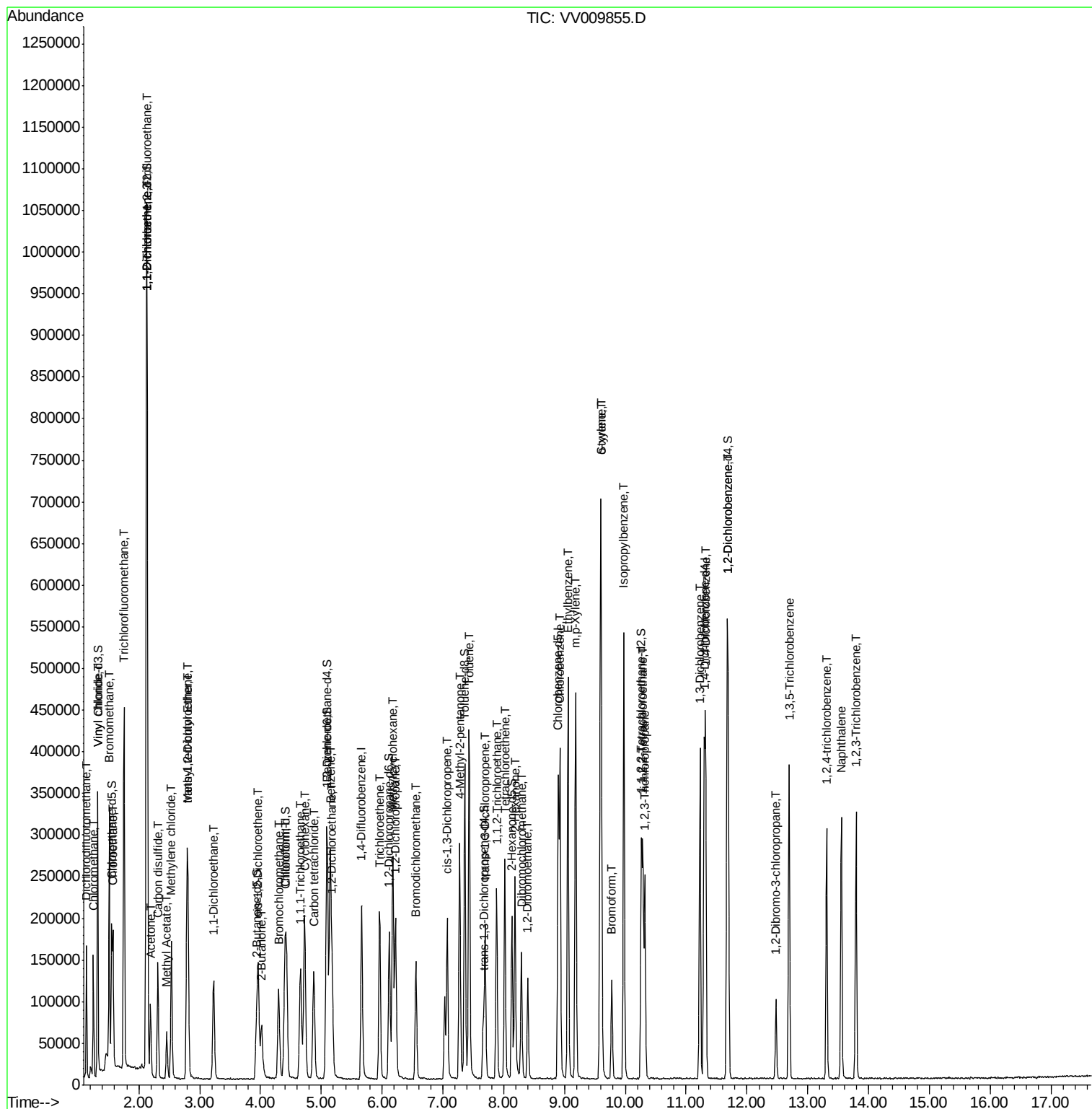
(#) = qualifier out of range (m) = manual integration (+) = signals summed

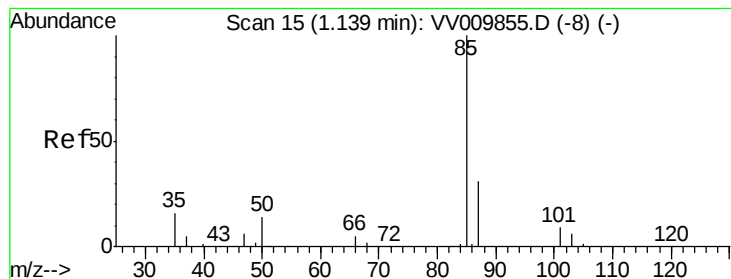
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#2

Dichlorodifluoromethane

Concen: 49.221 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

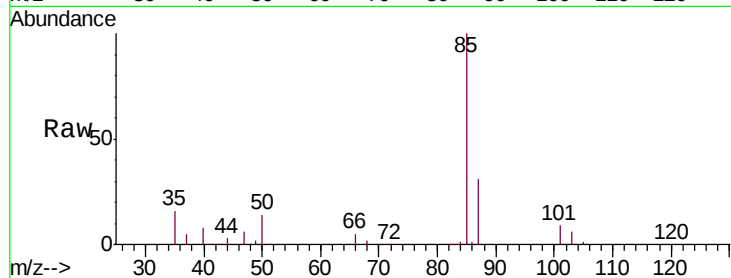
VSTD05065

Tgt Ion: 85 Resp: 71687

Ion Ratio Lower Upper

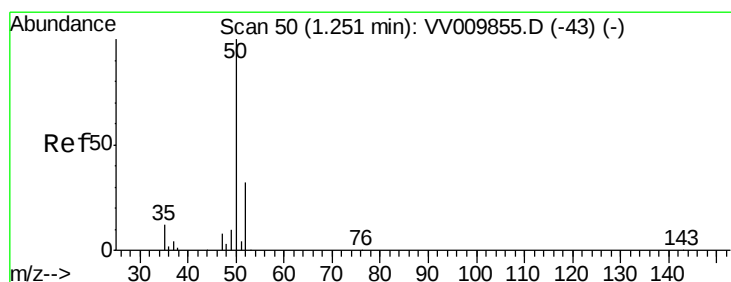
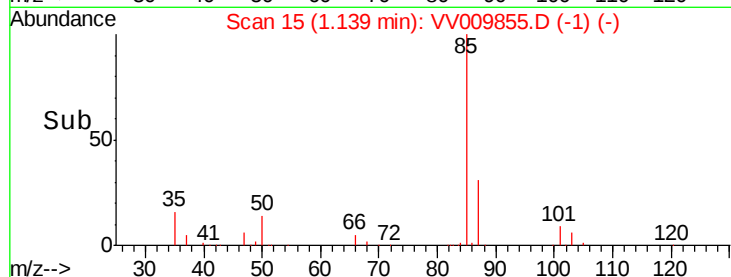
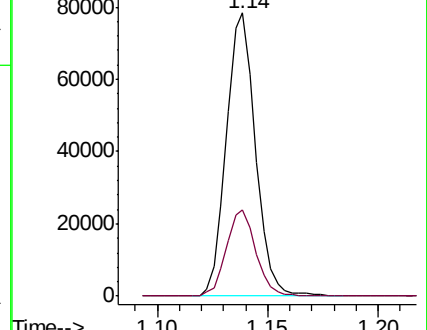
85 100

87 30.8 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV009855.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009855.D (-8) (-)



#3

Chloromethane

Concen: 52.835 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009855.D

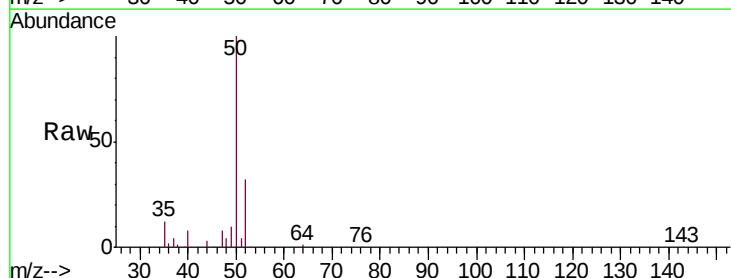
Acq: 25 Mar 2019 12:11

Tgt Ion: 50 Resp: 76035

Ion Ratio Lower Upper

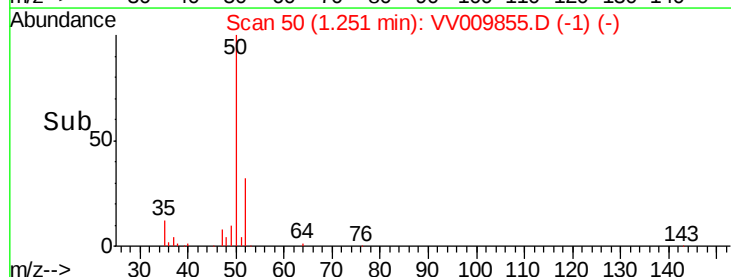
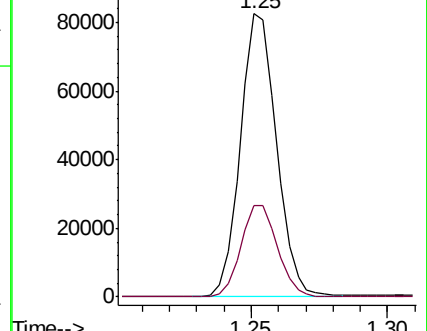
50 100

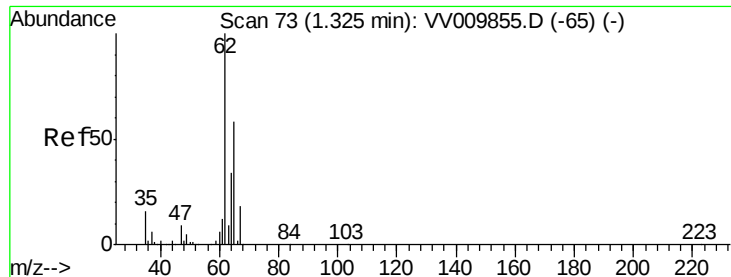
52 32.3 22.6 42.0



Abundance Ion 50.00 (49.70 to 50.70): VV009855.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009855.D (-43) (-)





#5

Vinyl chloride

Concen: 65.705 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

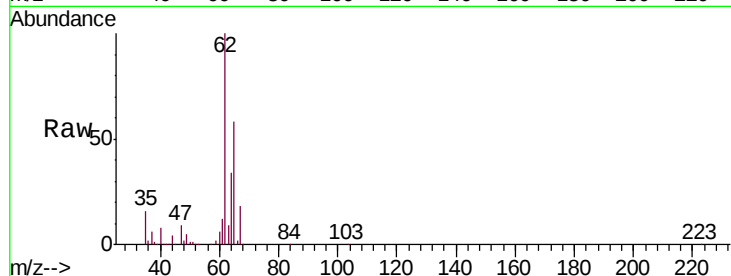
VSTD05065

Tgt Ion: 62 Resp: 106822

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV009855.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009855.D (-65) (-)

1.33

120000

100000

80000

60000

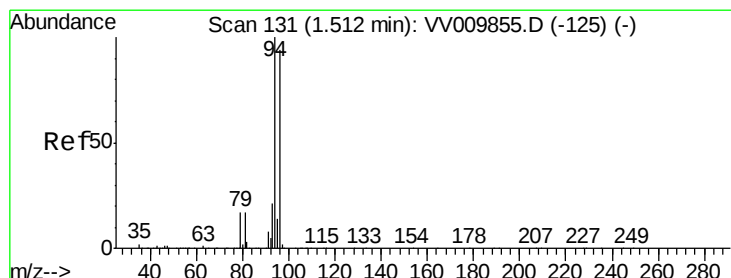
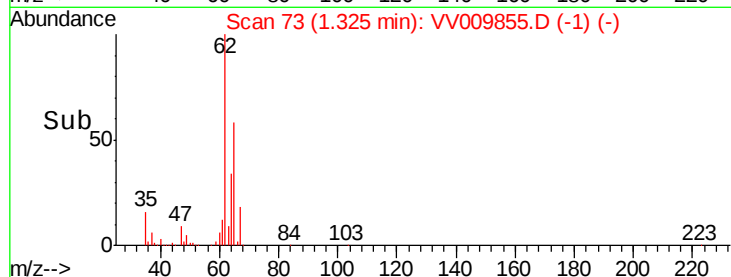
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 88.662 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV009855.D

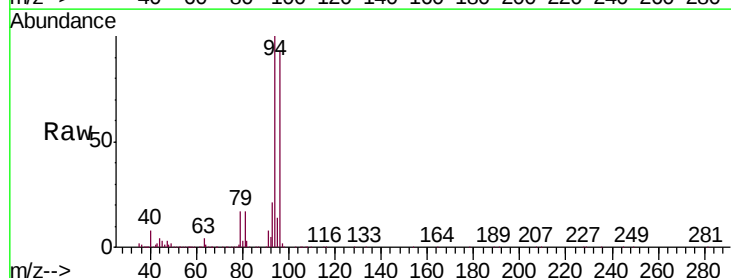
Acq: 25 Mar 2019 12:11

Tgt Ion: 94 Resp: 88644

Ion Ratio Lower Upper

94 100

96 93.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV009855.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009855.D (-125) (-)

1.51

120000

100000

80000

60000

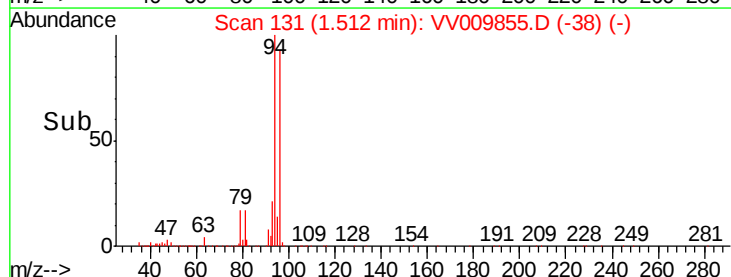
40000

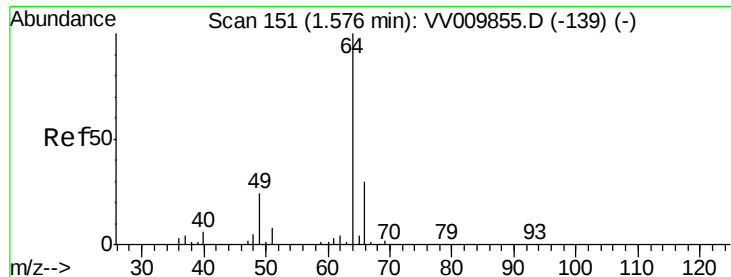
20000

0

1.50 1.55

Time-->

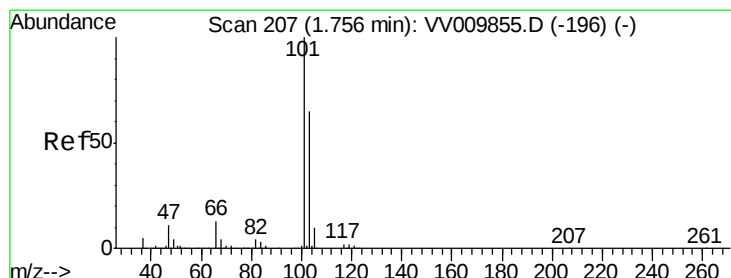
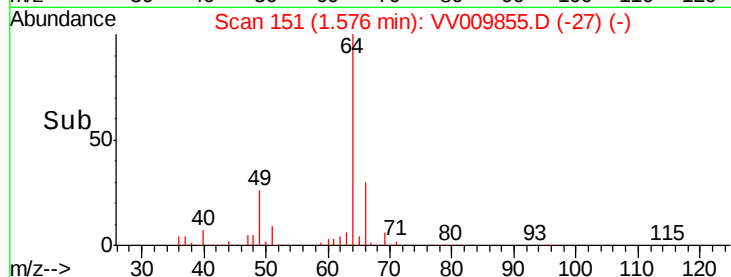
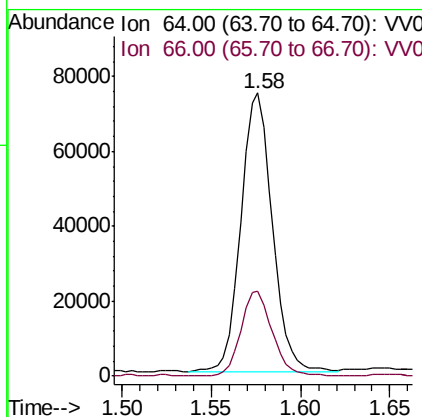
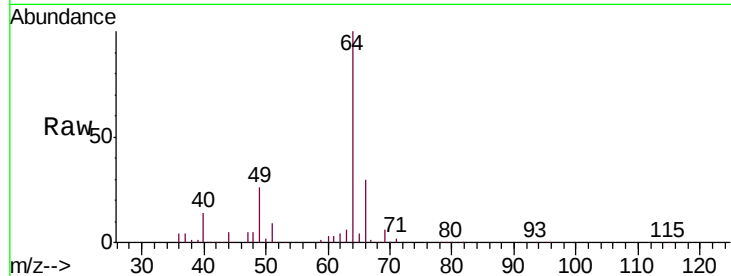




#8
 Chloroethane
 Concen: 84.623 ug/L
 RT: 1.58 min Scan# 151
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

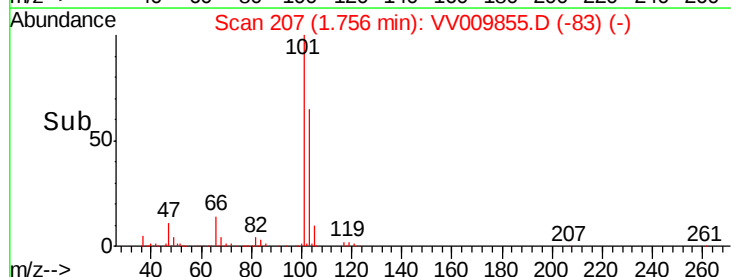
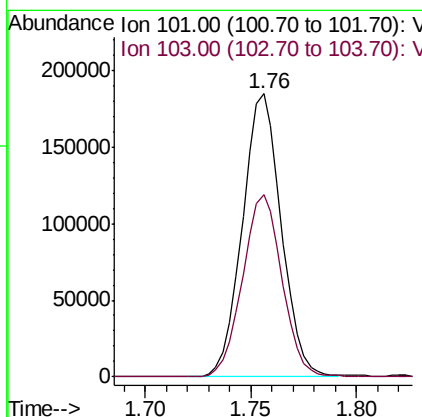
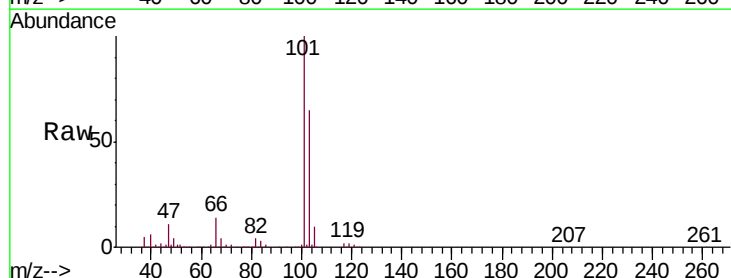
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

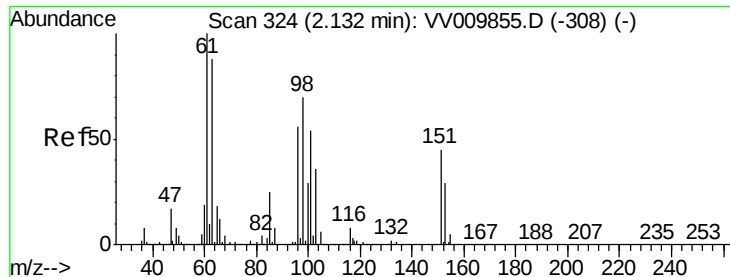
Tgt Ion: 64 Resp: 90636
 Ion Ratio Lower Upper
 64 100
 66 29.8 20.9 38.7



#9
 Trichlorofluoromethane
 Concen: 95.970 ug/L
 RT: 1.76 min Scan# 207
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion: 101 Resp: 236477
 Ion Ratio Lower Upper
 101 100
 103 65.3 52.2 78.4





#10

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

Concen: 89.436 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

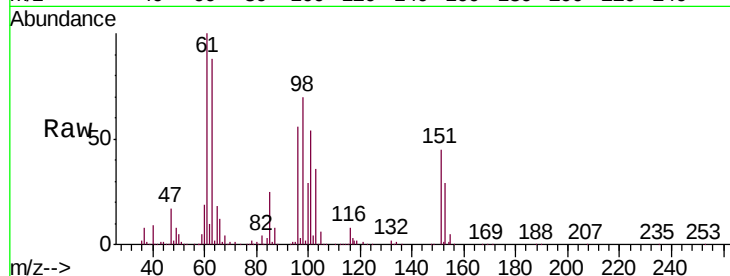
Tgt Ion:101 Resp: 128735

Ion Ratio Lower Upper

101 100

85 46.2 37.0 55.4

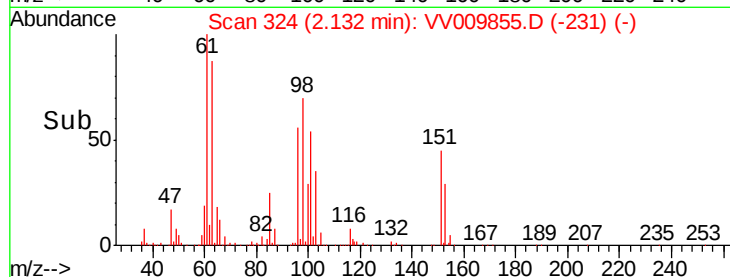
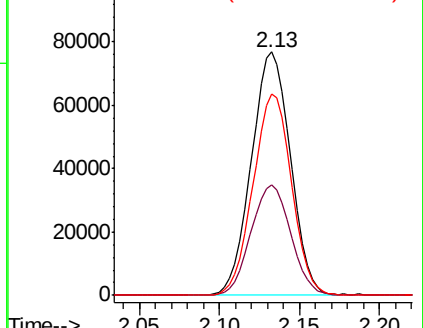
151 81.8 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV009855.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV009855.D (-308) (-)

Ion 151.00 (150.70 to 151.70): VV009855.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 83.092 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

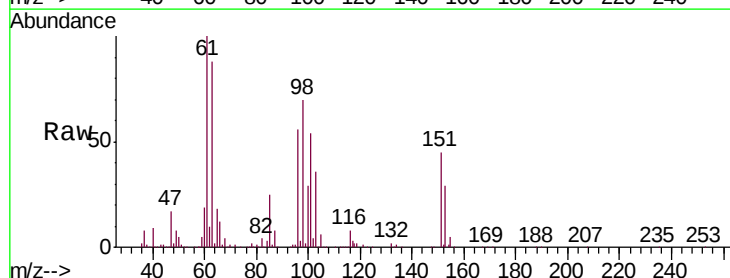
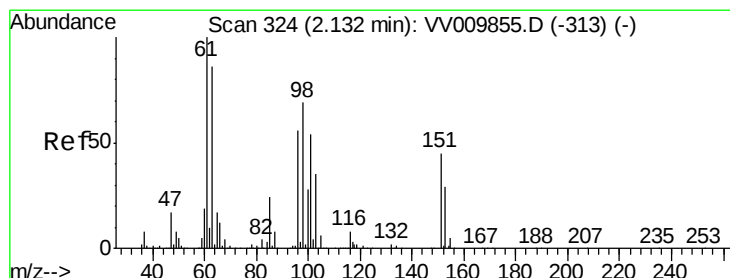
Tgt Ion: 96 Resp: 114090

Ion Ratio Lower Upper

96 100

61 179.0 125.3 232.7

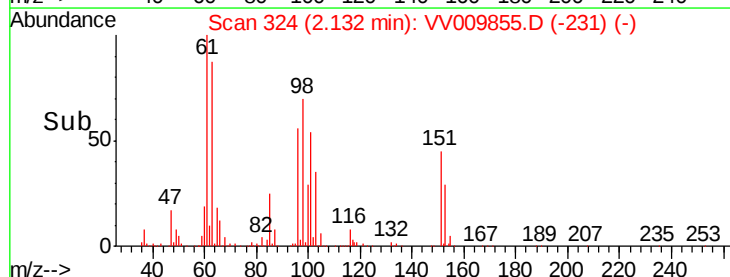
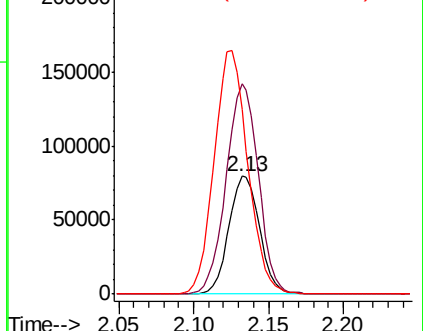
63 156.7 109.7 203.7

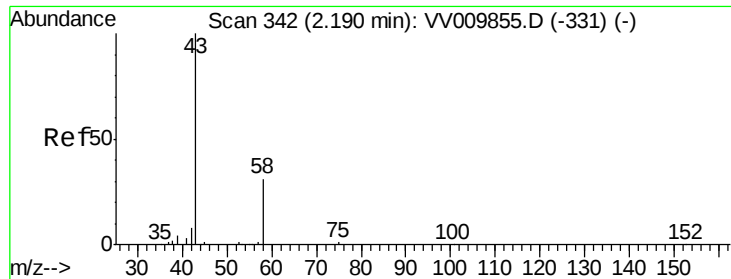


Abundance Ion 96.00 (95.70 to 96.70): VV009855.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV009855.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV009855.D (-313) (-)





#13

Acetone

Concen: 88.144 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

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ClientSampleId :

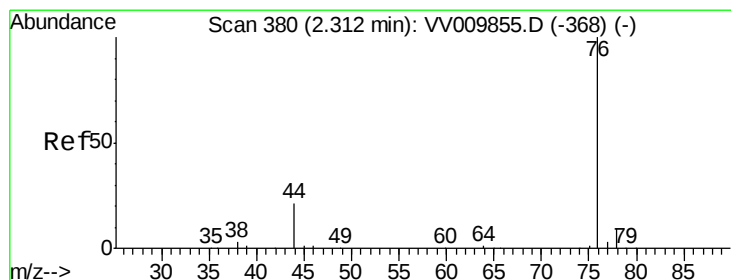
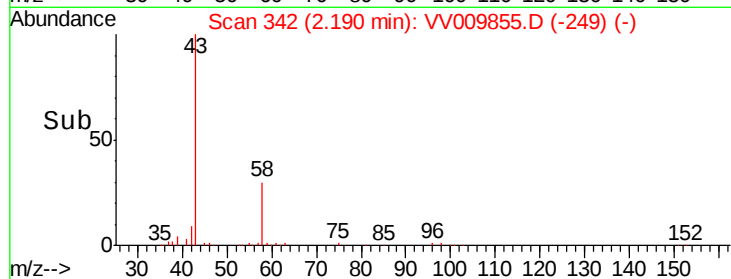
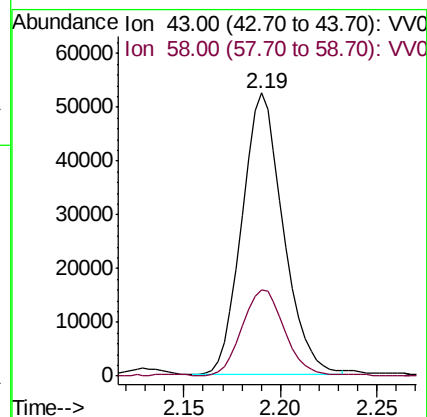
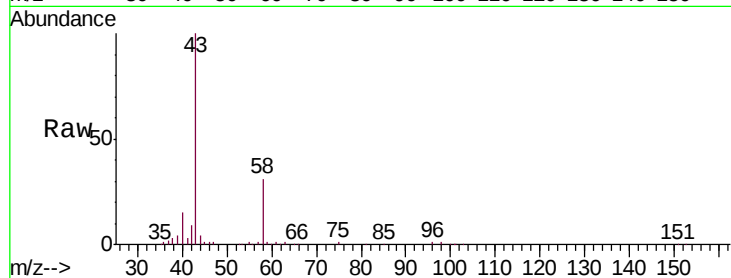
VSTD05065

Tgt Ion: 43 Resp: 77409

Ion Ratio Lower Upper

43 100

58 32.6 0.0 65.2



#14

Carbon disulfide

Concen: 43.417 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009855.D

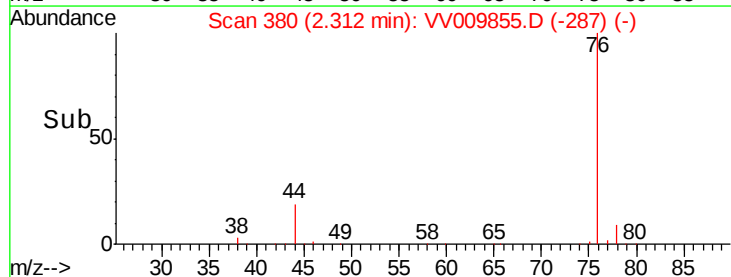
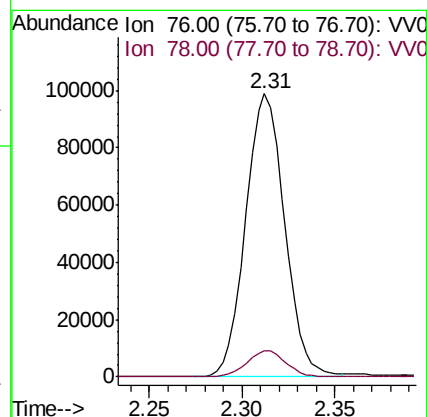
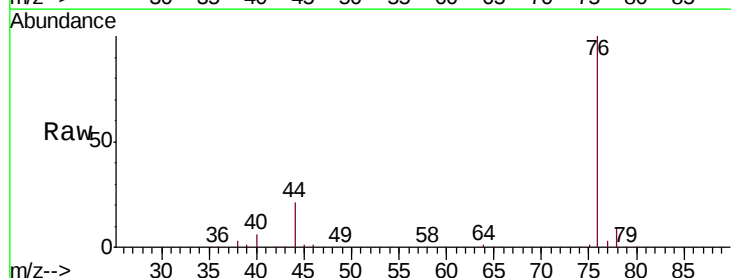
Acq: 25 Mar 2019 12:11

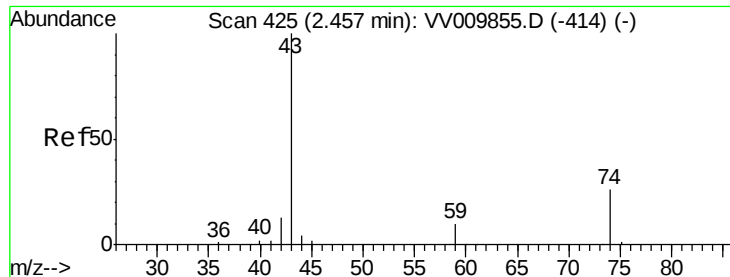
Tgt Ion: 76 Resp: 144540

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

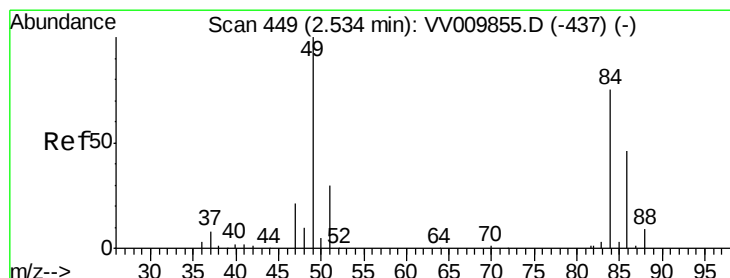
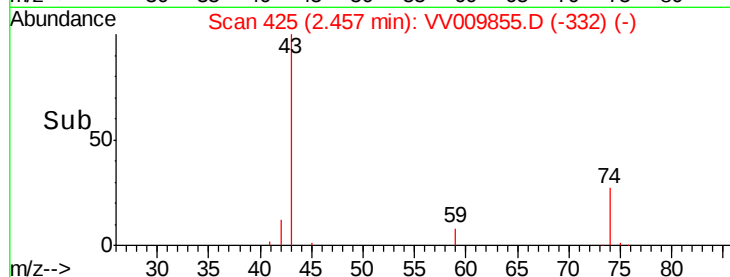
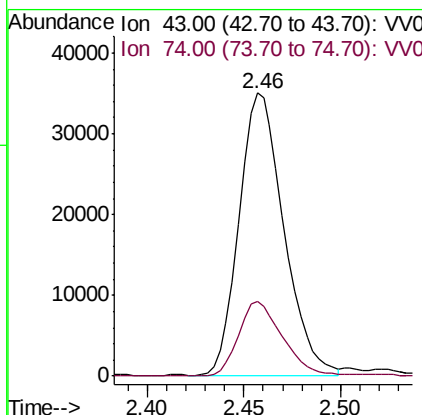
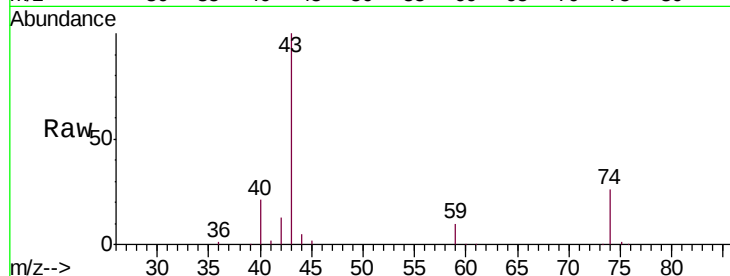




#15
Methyl Acetate
Concen: 44.431 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

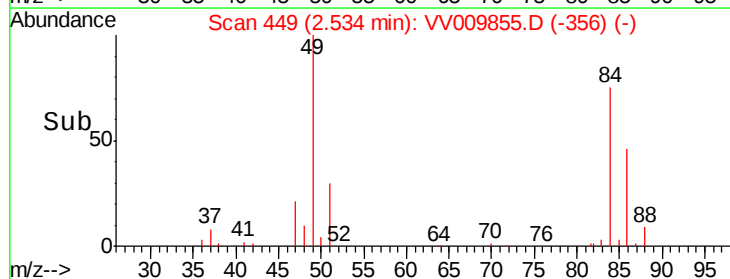
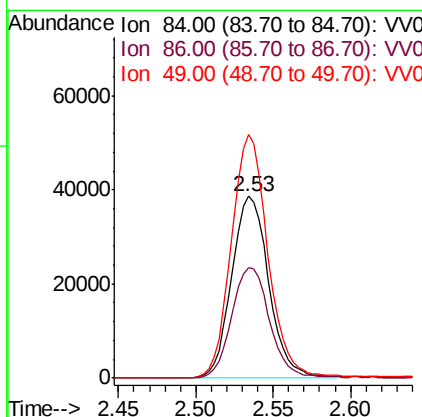
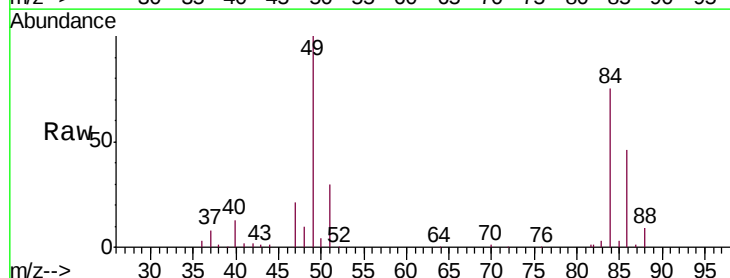
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

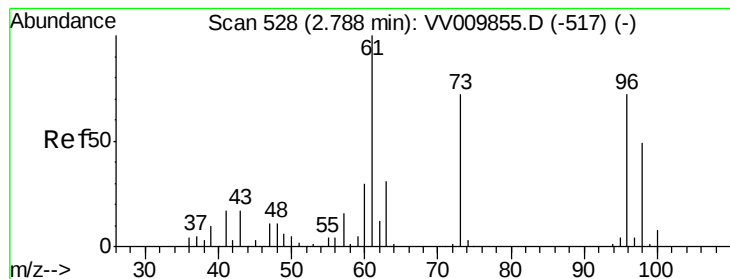
Tgt Ion: 43 Resp: 56597
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 49.456 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Tgt Ion: 84 Resp: 64411
Ion Ratio Lower Upper
84 100
86 61.1 42.8 79.4
49 133.8 93.7 173.9





#17

trans-1,2-Dichloroethene

Concen: 47.358 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

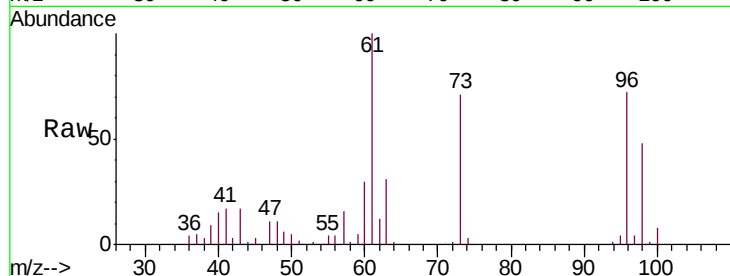
Tgt Ion: 96 Resp: 56656

Ion Ratio Lower Upper

96 100

61 138.4 96.9 179.9

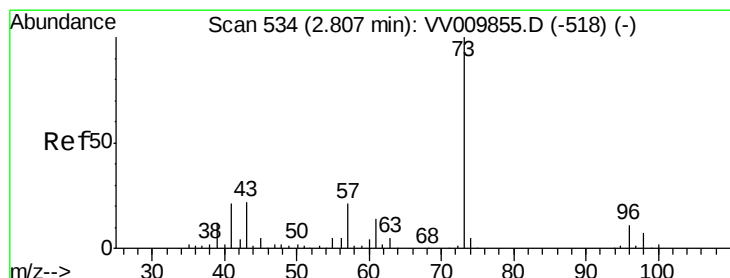
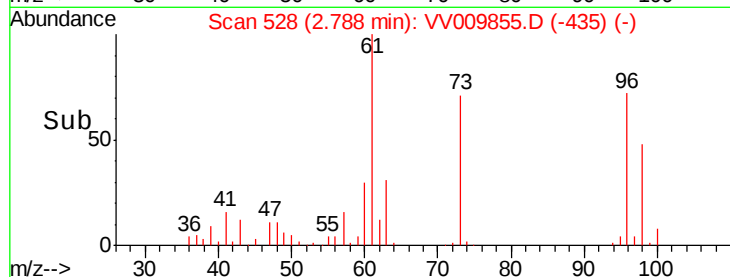
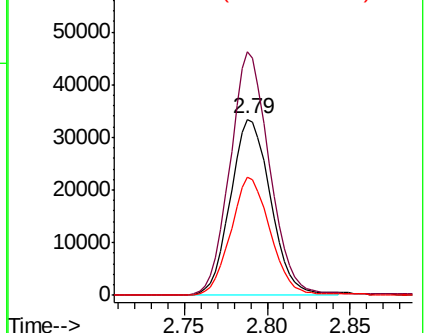
98 66.9 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VV009855.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009855.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009855.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 51.708 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

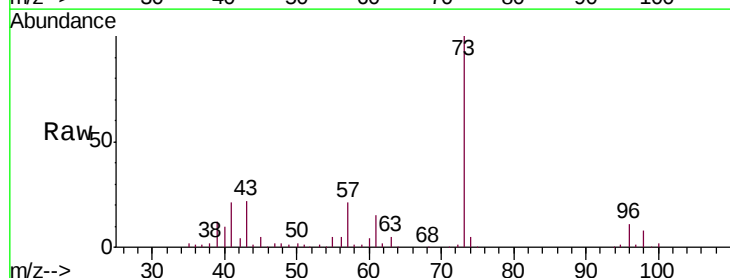
Tgt Ion: 73 Resp: 180935

Ion Ratio Lower Upper

73 100

43 21.4 17.1 25.7

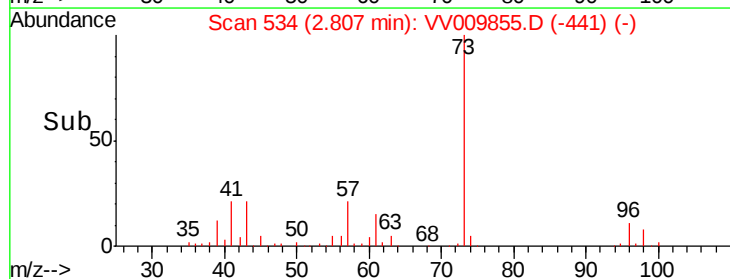
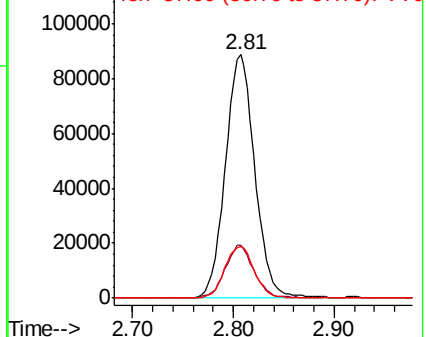
57 21.1 16.9 25.3

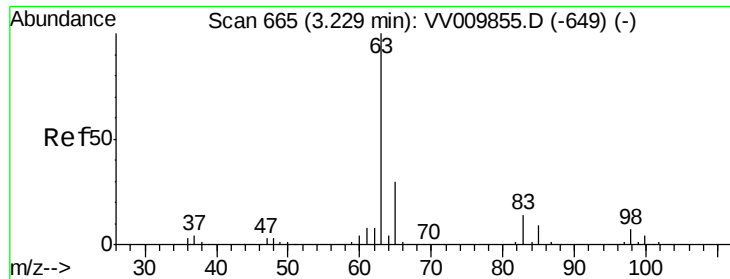


Abundance Ion 73.00 (72.70 to 73.70): VV009855.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009855.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009855.D (-518) (-)

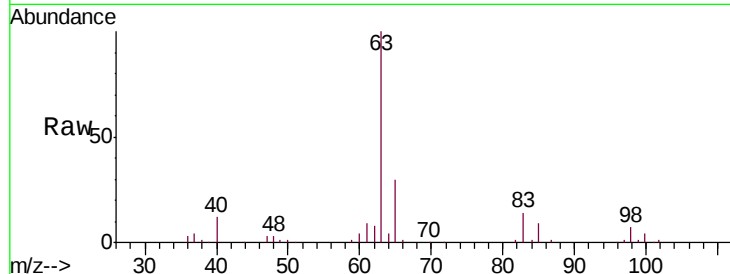




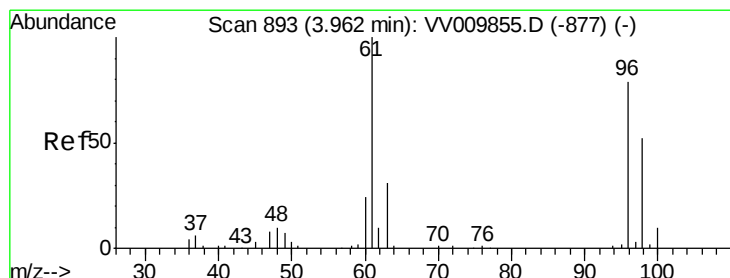
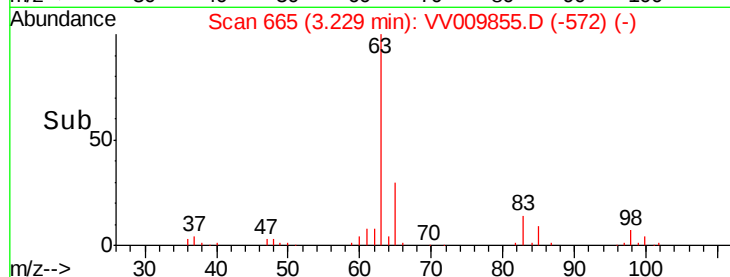
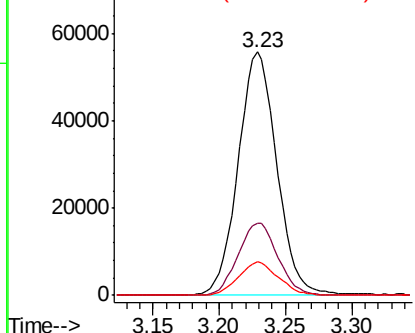
#19
 1,1-Dichloroethane
 Concen: 53.489 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

Tgt Ion: 63 Resp: 113053
 Ion Ratio Lower Upper
 63 100
 65 29.7 20.8 38.6
 83 13.8 9.7 17.9

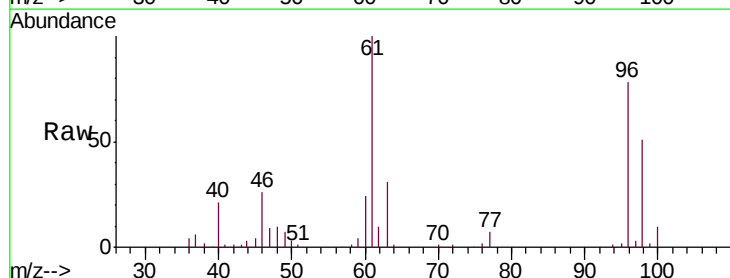


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

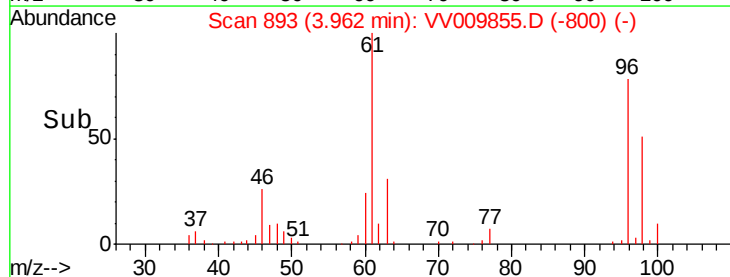
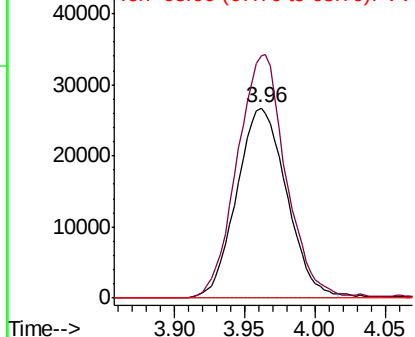


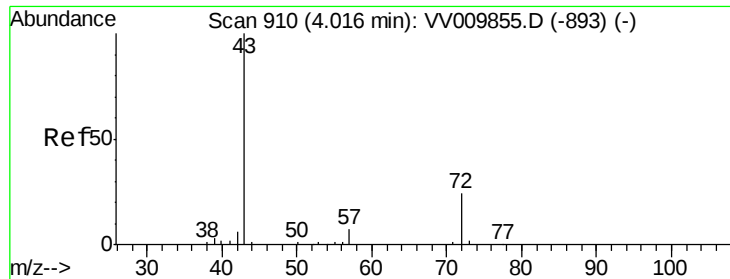
#20
 cis-1,2-Dichloroethene
 Concen: 50.029 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion: 96 Resp: 66125
 Ion Ratio Lower Upper
 96 100
 61 127.7 89.4 166.0
 68 0.0 0.0 0.0



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: 93.006 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

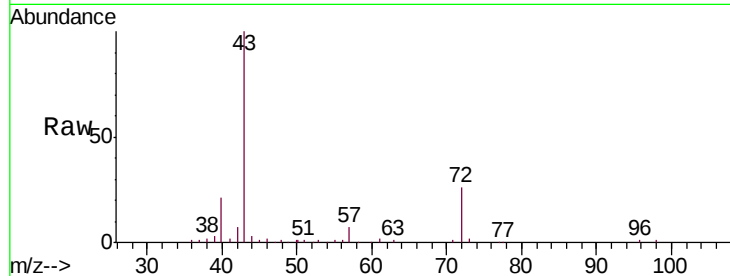
VSTD05065

Tgt Ion: 43 Resp: 95915

Ion Ratio Lower Upper

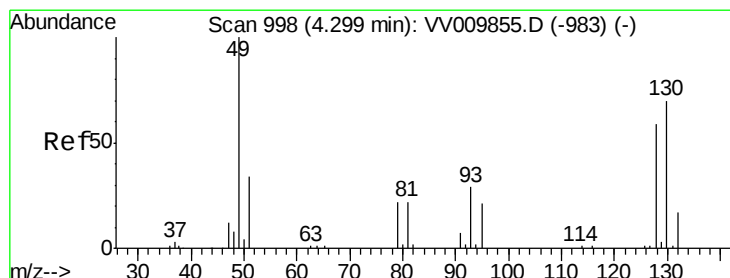
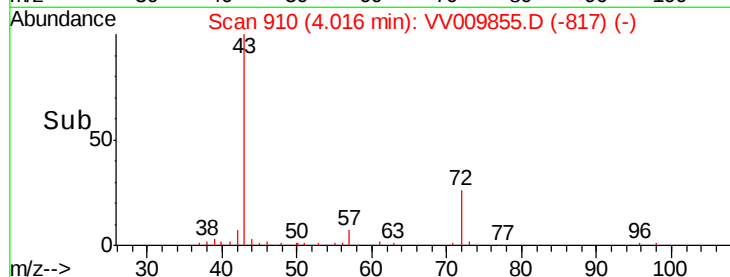
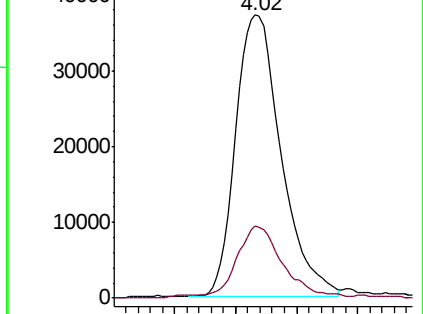
43 100

72 25.2 12.6 37.8



Abundance Ion 43.00 (42.70 to 43.70): VV009855.D (-893) (-)

Ion 72.00 (71.70 to 72.70): VV009855.D (-893) (-)



#23

Bromochloromethane

Concen: 47.438 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Tgt Ion: 128 Resp: 33233

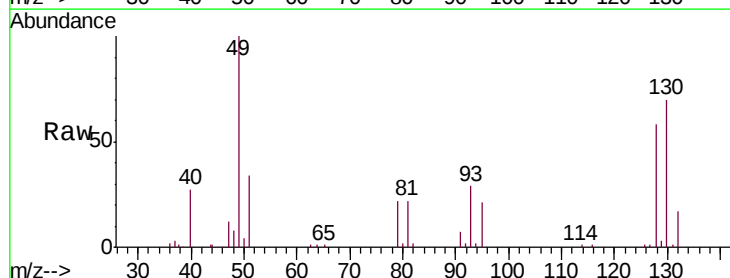
Ion Ratio Lower Upper

128 100

49 172.2 120.5 223.9

130 120.0 84.0 156.0

51 58.6 46.9 70.3

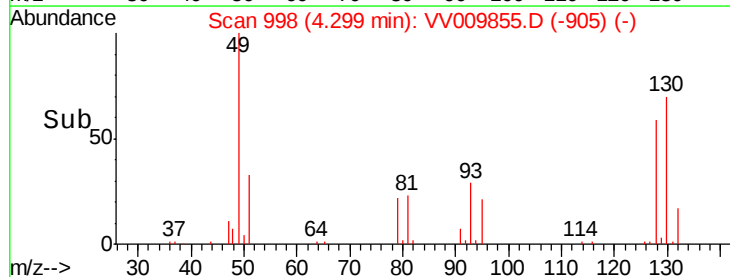
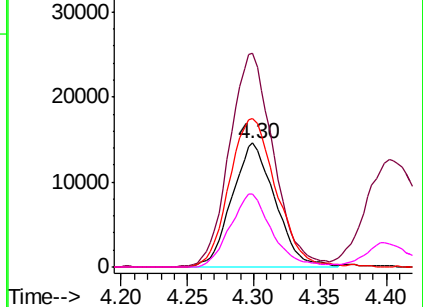


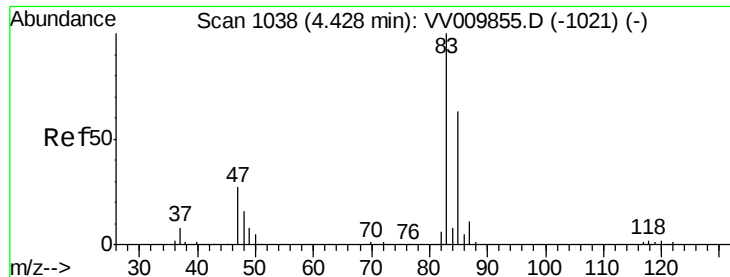
Abundance Ion 128.00 (127.70 to 128.70): VV009855.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV009855.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV009855.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV009855.D (-983) (-)

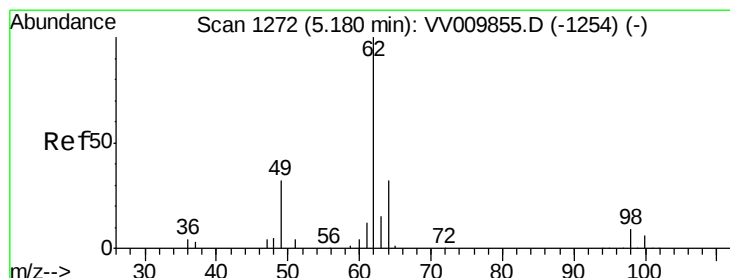
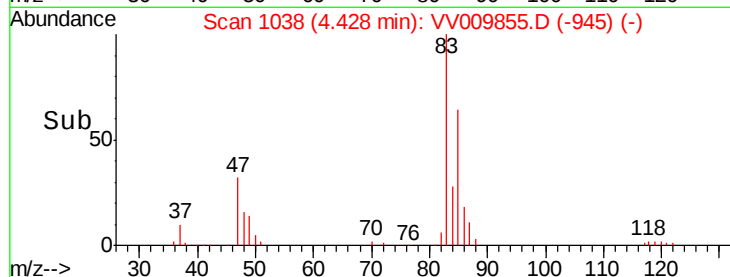
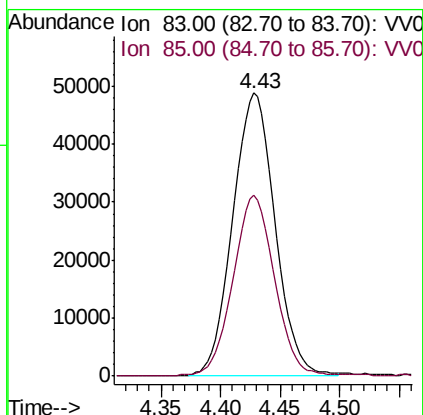
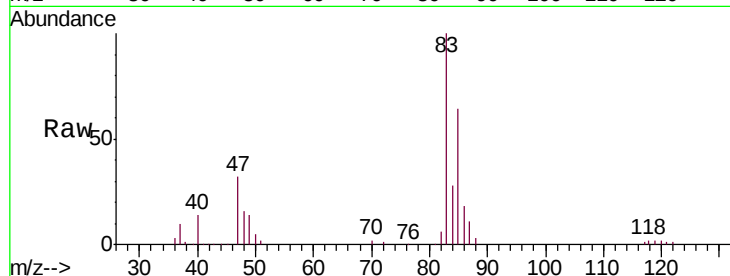




#25
Chloroform
Concen: 54.360 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

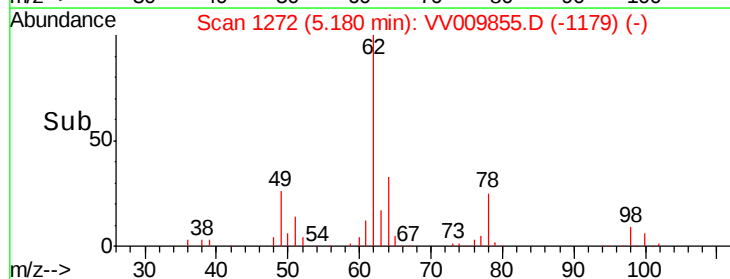
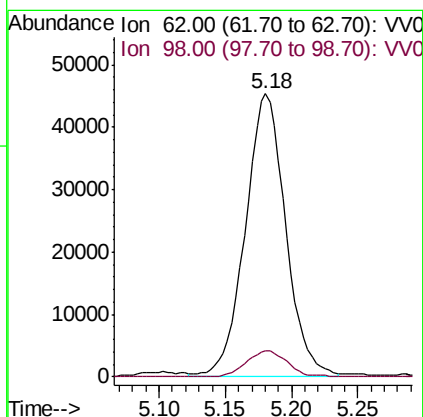
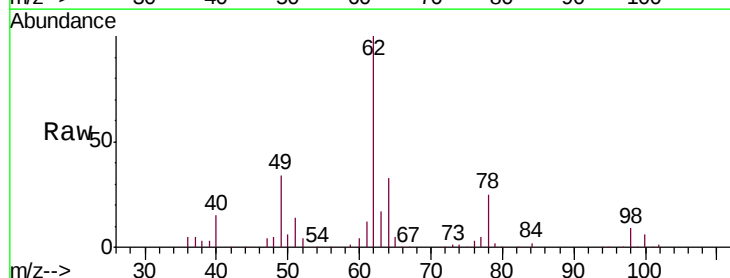
Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

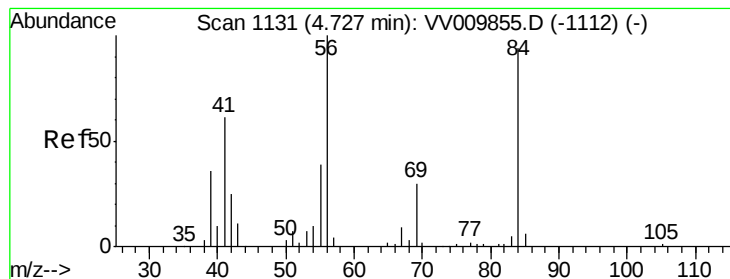
Tgt Ion: 83 Resp: 120392
Ion Ratio Lower Upper
83 100
85 63.8 44.7 82.9



#27
1,2-Dichloroethane
Concen: 59.789 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Tgt Ion: 62 Resp: 96406
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#29

Cyclohexane

Concen: 49.561 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

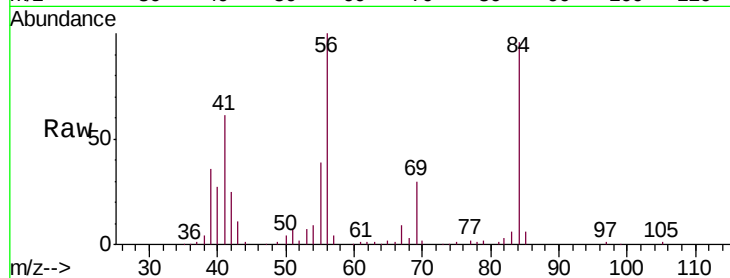
Tgt Ion: 56 Resp: 96922

Ion Ratio Lower Upper

56 100

69 29.2 23.4 35.0

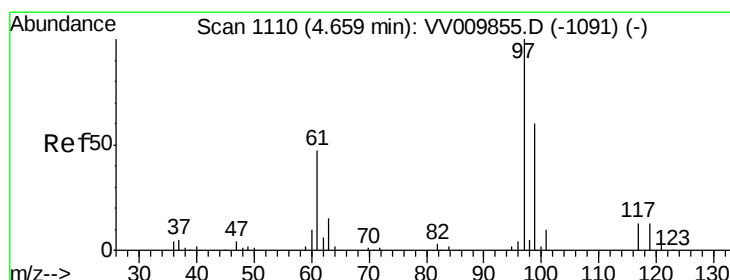
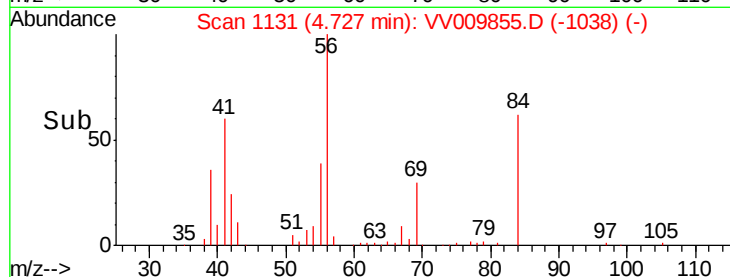
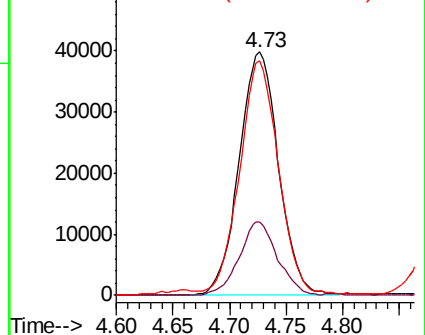
84 93.8 75.0 112.6



Abundance Ion 56.00 (55.70 to 56.70): VV009855.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV009855.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV009855.D (-1112) (-)



#30

1,1,1-Trichloroethane

Concen: 51.063 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

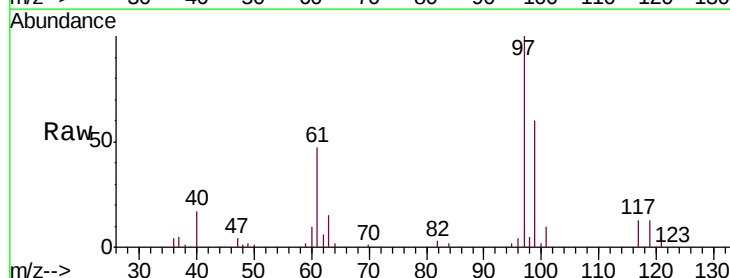
Tgt Ion: 97 Resp: 100187

Ion Ratio Lower Upper

97 100

99 61.4 49.1 73.7

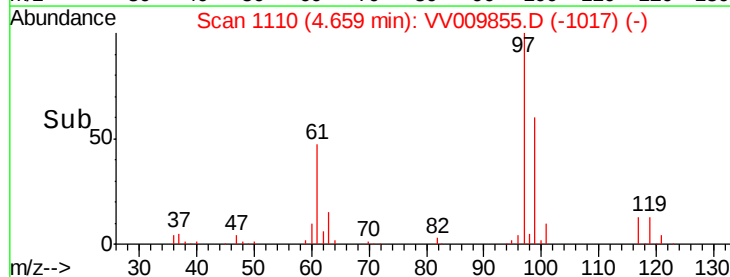
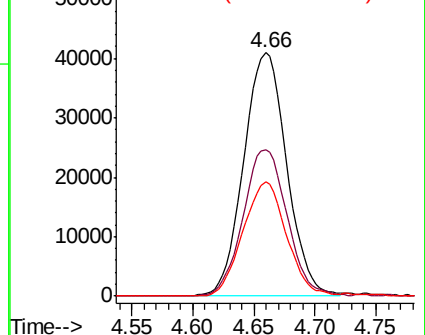
61 47.0 37.6 56.4

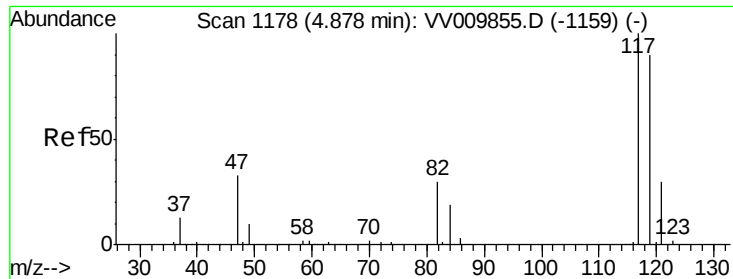


Abundance Ion 97.00 (96.70 to 97.70): VV009855.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009855.D (-1091) (-)

Ion 61.05 (60.75 to 61.75): VV009855.D (-1091) (-)





#31

Carbon tetrachloride

Concen: 50.042 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

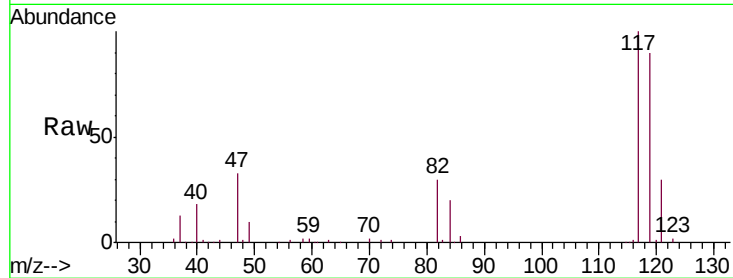
VSTD05065

Tgt Ion:117 Resp: 86619

Ion Ratio Lower Upper

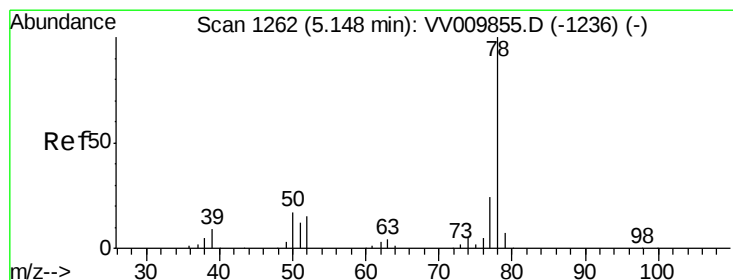
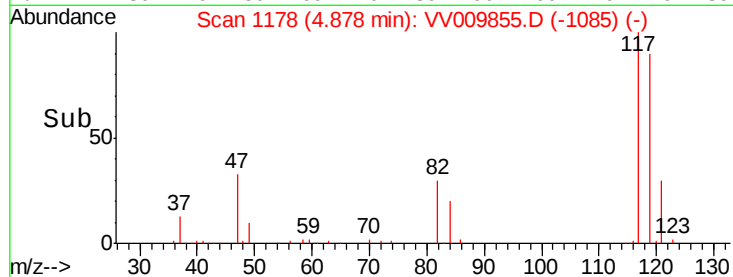
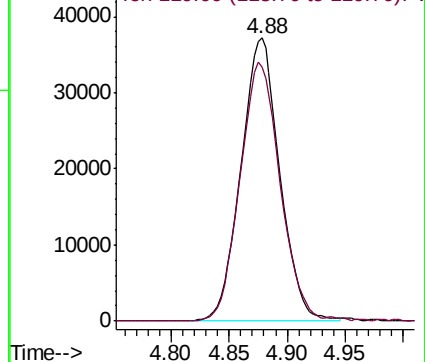
117 100

119 94.2 75.4 113.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.189 ug/L

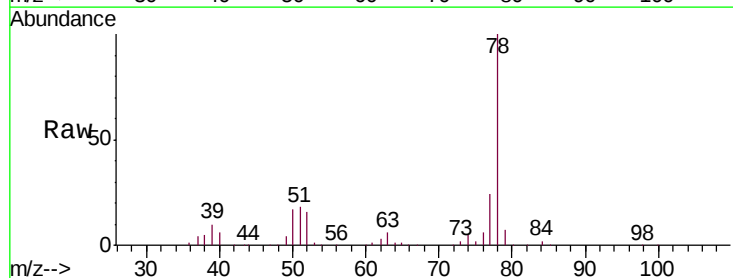
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

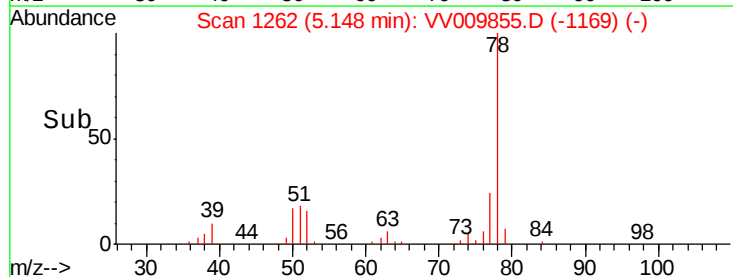
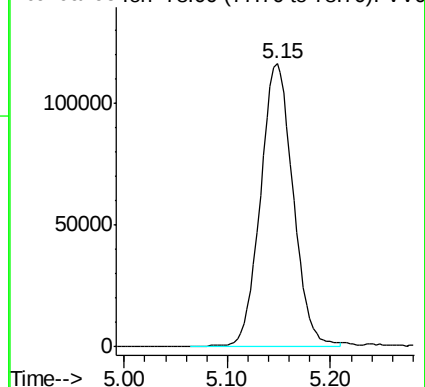
Lab File: VV009855.D

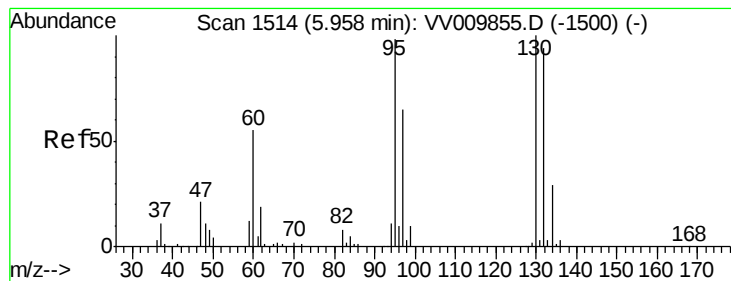
Acq: 25 Mar 2019 12:11

Tgt Ion: 78 Resp: 255752



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 47.386 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion: 95 Resp: 64866

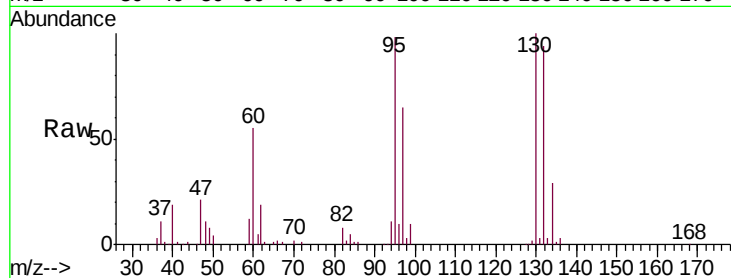
Ion Ratio Lower Upper

95 100

97 65.8 46.1 85.5

132 95.7 67.0 124.4

130 102.0 71.4 132.6

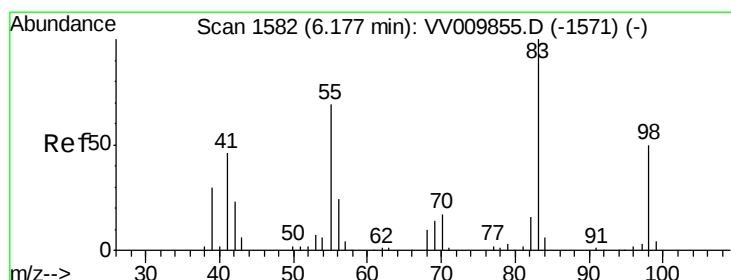
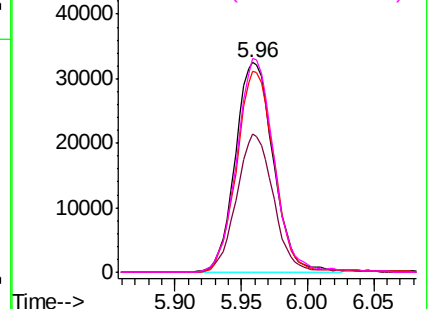
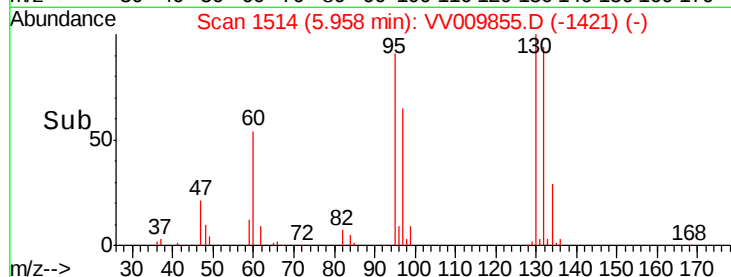


Abundance Ion 95.00 (94.70 to 95.70): VV009855.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009855.D (-1500) (-)

Ion 132.00 (131.70 to 132.70): VV009855.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009855.D (-1500) (-)



#35

Methylcyclohexane

Concen: 49.678 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

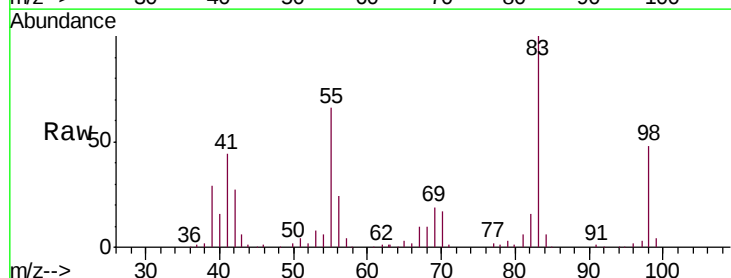
Tgt Ion: 83 Resp: 106553

Ion Ratio Lower Upper

83 100

55 69.4 55.5 83.3

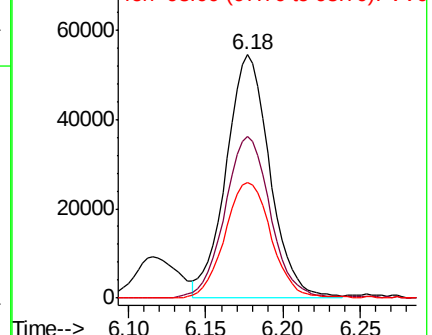
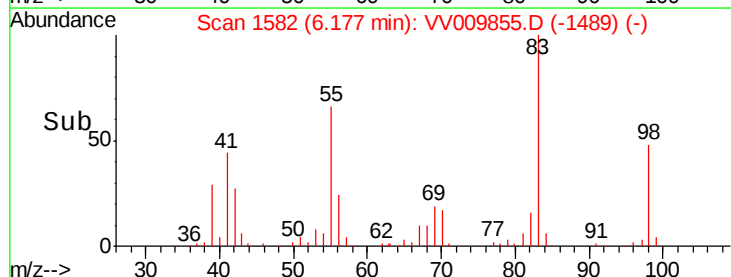
98 50.2 40.2 60.2

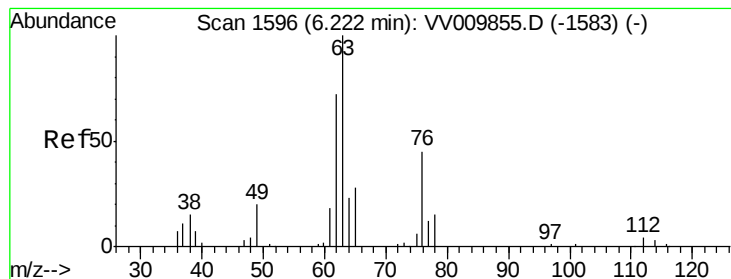


Abundance Ion 83.00 (82.70 to 83.70): VV009855.D (-1571) (-)

Ion 55.00 (54.70 to 55.70): VV009855.D (-1571) (-)

Ion 98.00 (97.70 to 98.70): VV009855.D (-1571) (-)





#37

1,2-Dichloropropane

Concen: 48.968 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

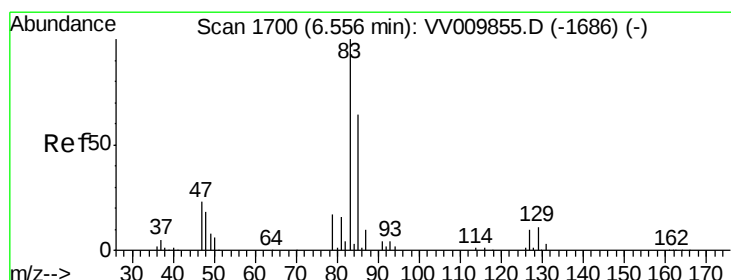
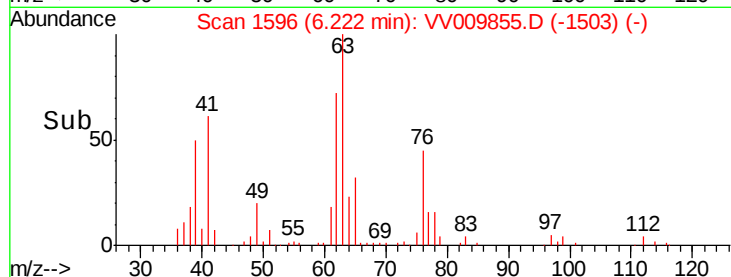
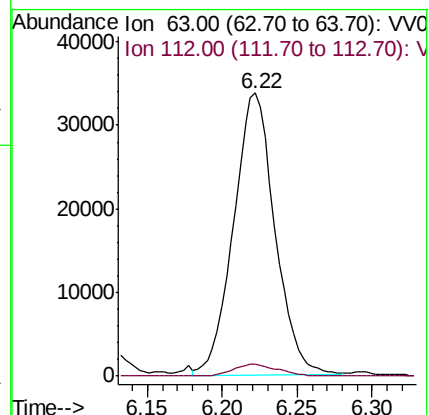
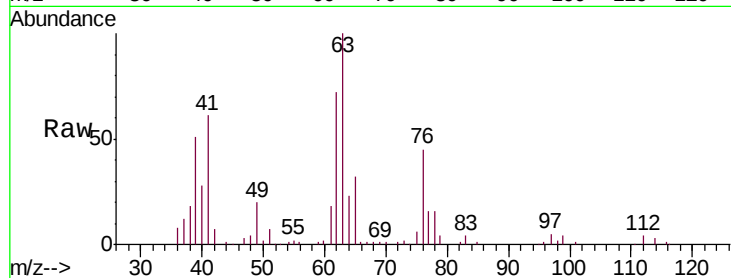
VSTD05065

Tgt Ion: 63 Resp: 65018

Ion Ratio Lower Upper

63 100

112 4.4 3.5 5.3



#38

Bromodichloromethane

Concen: 48.586 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

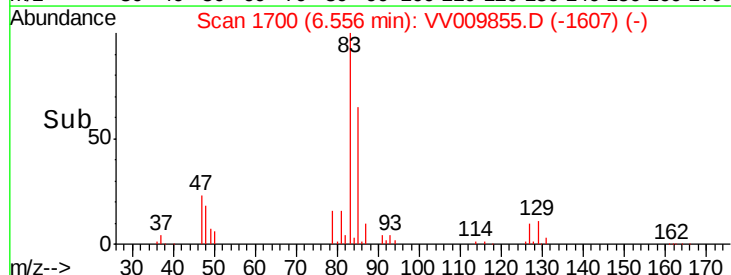
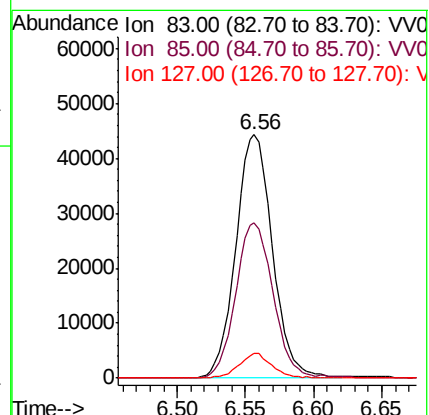
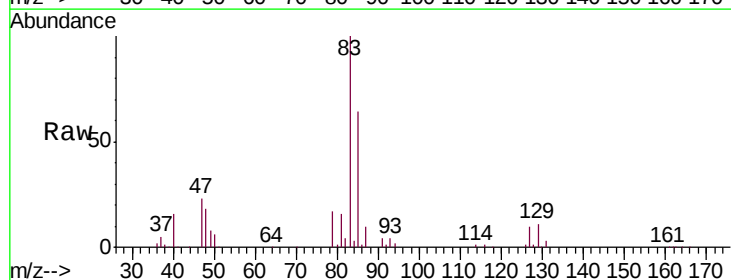
Tgt Ion: 83 Resp: 82869

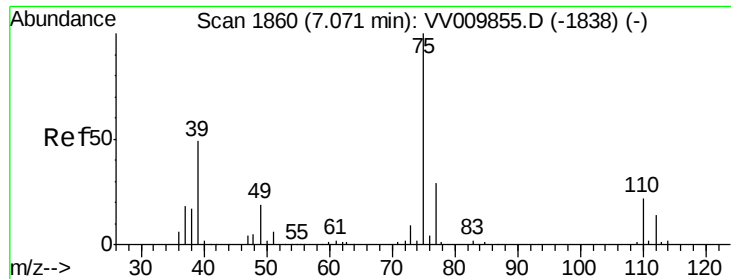
Ion Ratio Lower Upper

83 100

85 63.7 44.6 82.8

127 10.2 8.2 12.2

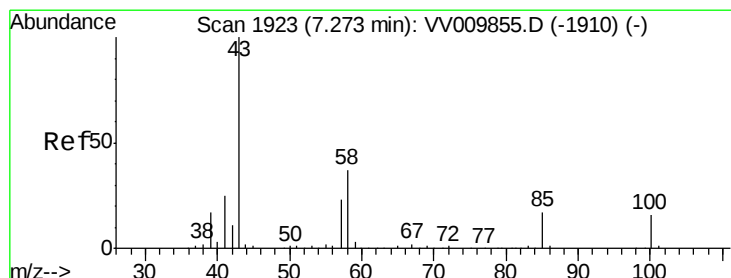
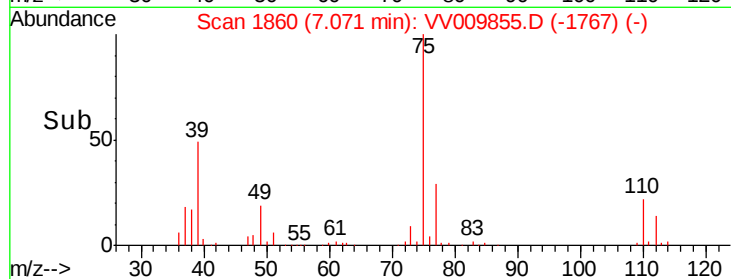
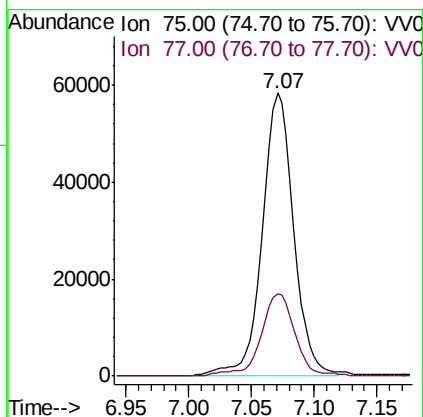
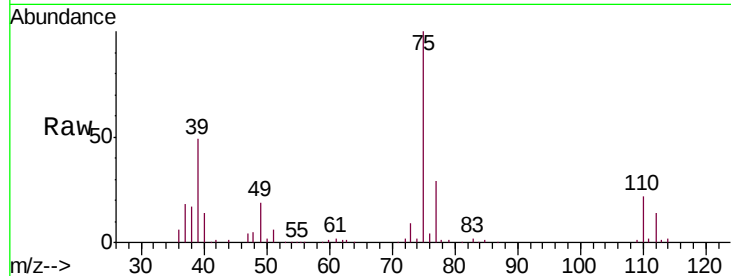




#39
 cis-1,3-Dichloropropene
 Concen: 48.191 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

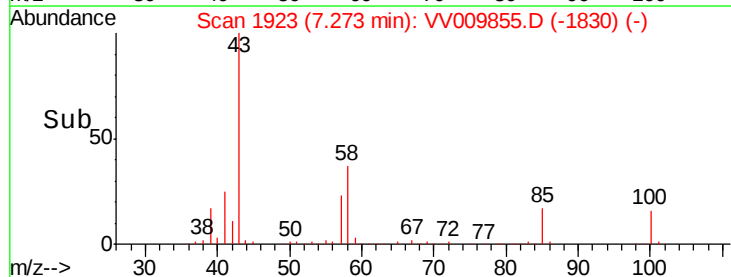
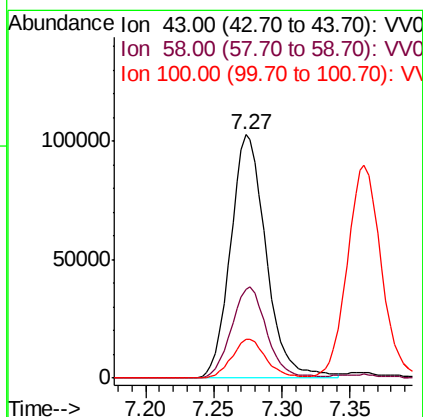
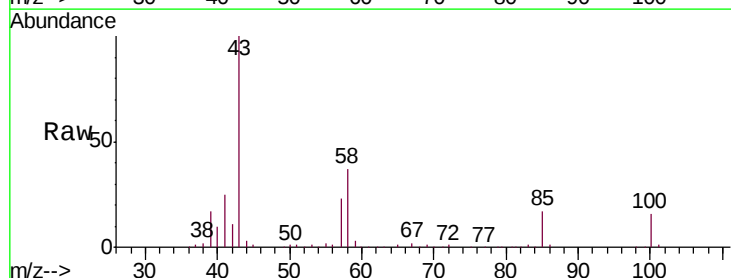
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

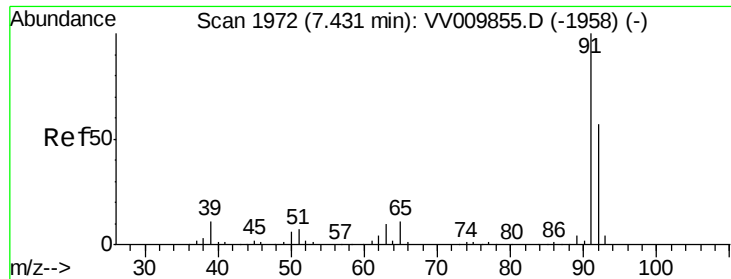
Tgt Ion: 75 Resp: 102233
 Ion Ratio Lower Upper
 75 100
 77 29.3 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 101.343 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion: 43 Resp: 186189
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.8 44.8
 100 15.3 12.2 18.4





#42

Toluene

Concen: 51.591 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

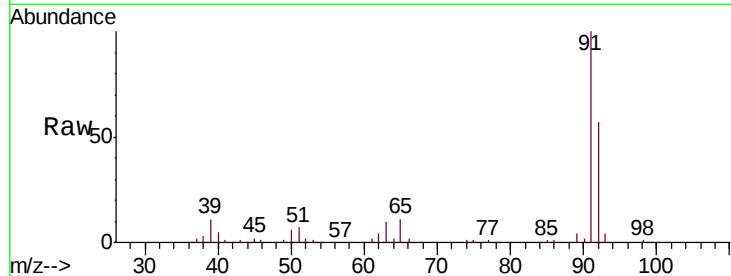
VSTD05065

Tgt Ion: 91 Resp: 294366

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VV009855.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009855.D (-1958) (-)

7.43

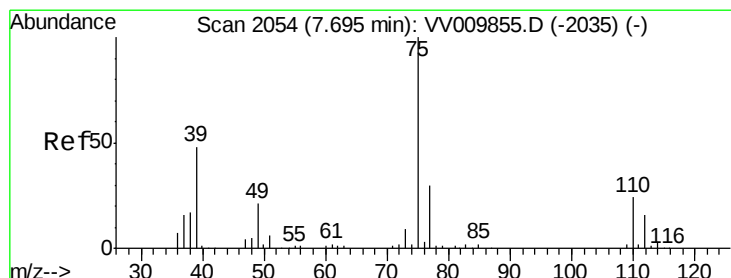
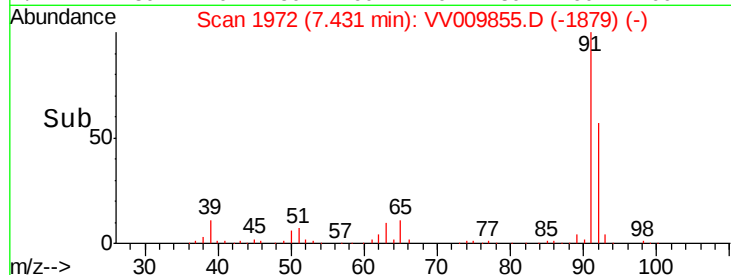
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.266 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009855.D

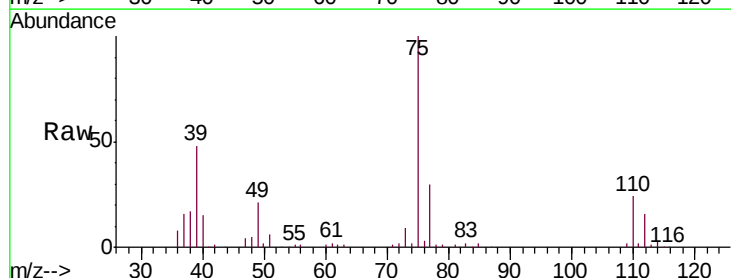
Acq: 25 Mar 2019 12:11

Tgt Ion: 75 Resp: 90616

Ion Ratio Lower Upper

75 100

77 29.6 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009855.D (-2035) (-)

Ion 77.00 (76.70 to 77.70): VV009855.D (-2035) (-)

7.69

60000

50000

40000

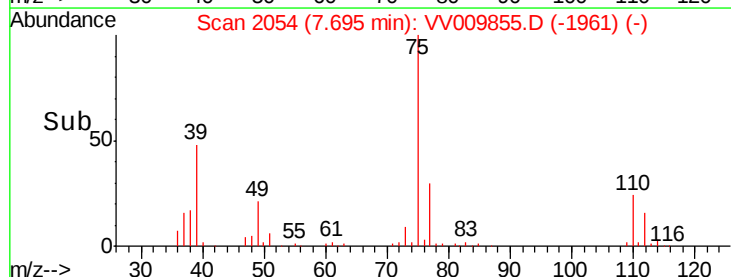
30000

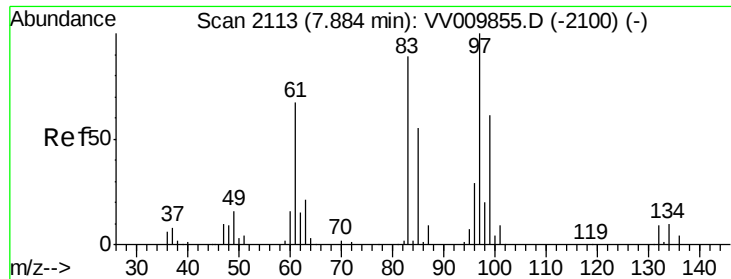
20000

10000

0

Time-->

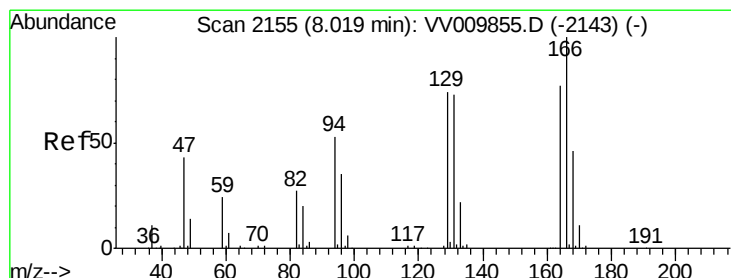
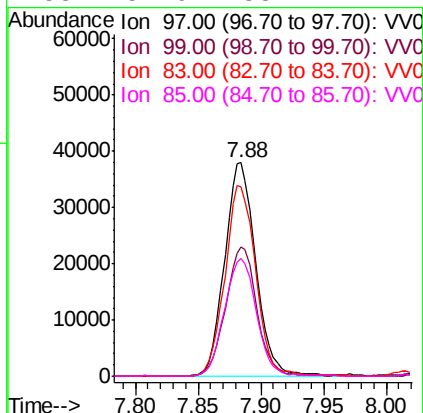
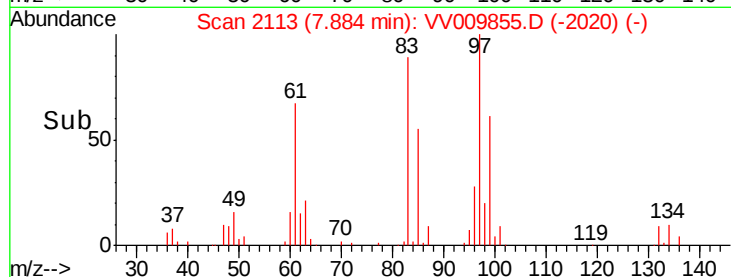
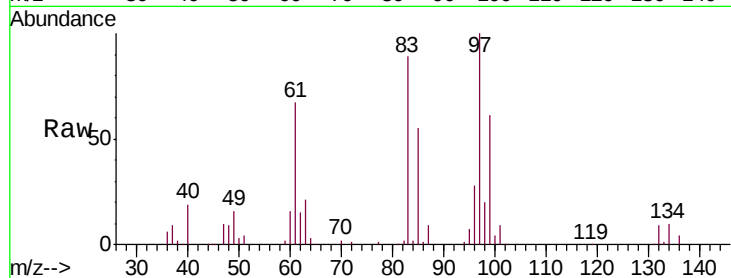




#45
 1,1,2-Trichloroethane
 Concen: 48.109 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

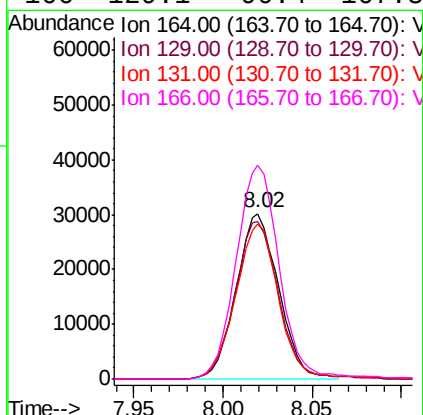
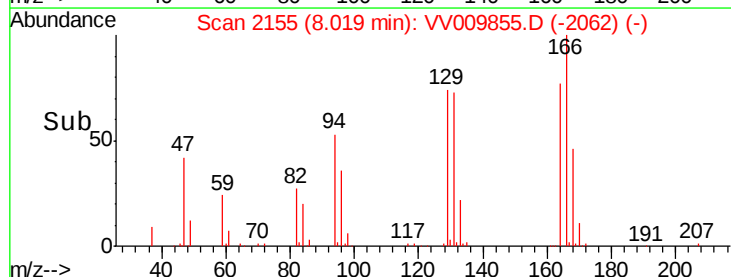
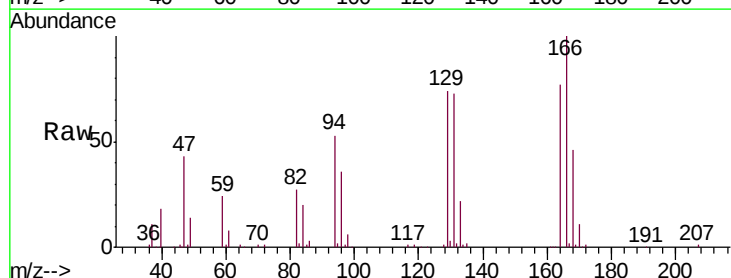
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

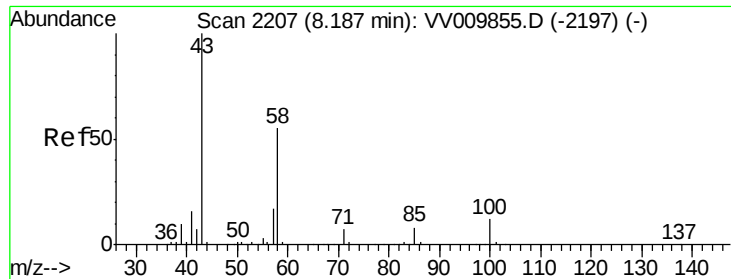
Tgt Ion:	97	Resp:	65529
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.4	78.6
83	88.7	62.1	115.3
85	54.9	38.4	71.4



#46
 Tetrachloroethene
 Concen: 44.214 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion:	164	Resp:	50086
Ion	Ratio	Lower	Upper
164	100		
129	95.4	66.8	124.0
131	93.9	65.7	122.1
166	129.1	90.4	167.8

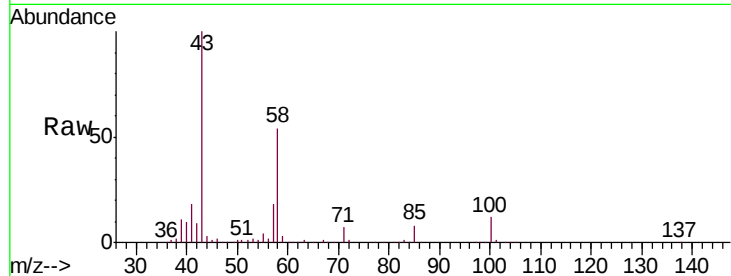




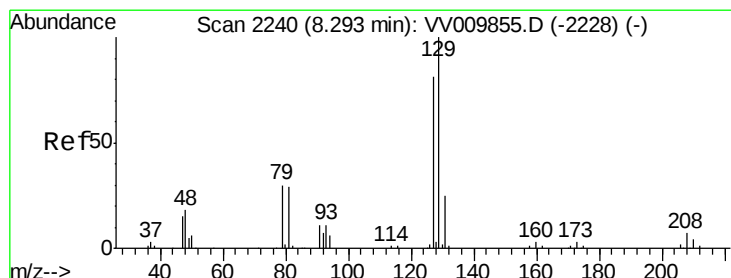
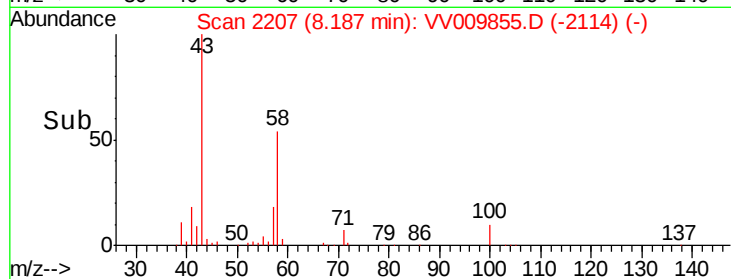
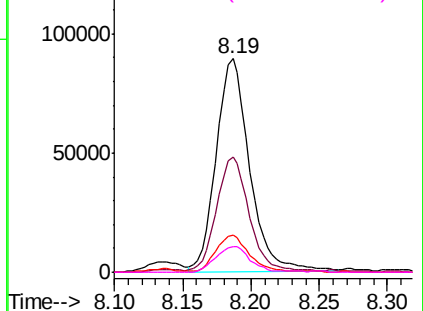
#48
2-Hexanone
Concen: 99.834 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion: 43 Resp: 151981
Ion Ratio Lower Upper
43 100
58 52.4 41.9 62.9
57 17.7 14.2 21.2
100 12.3 9.8 14.8

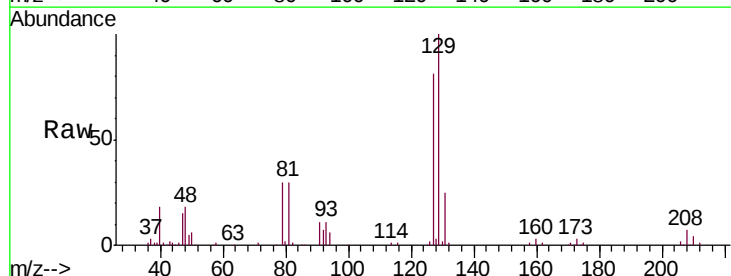


Abundance Ion 43.00 (42.70 to 43.70): VV009855.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV009855.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV009855.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV009855.D (-2197) (-)

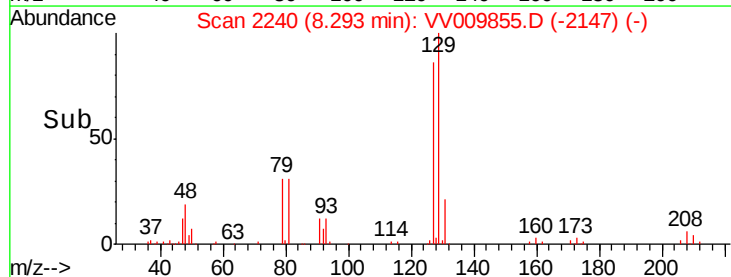
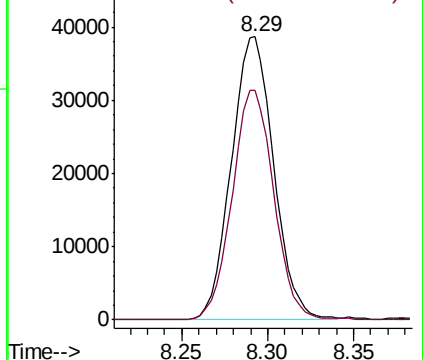


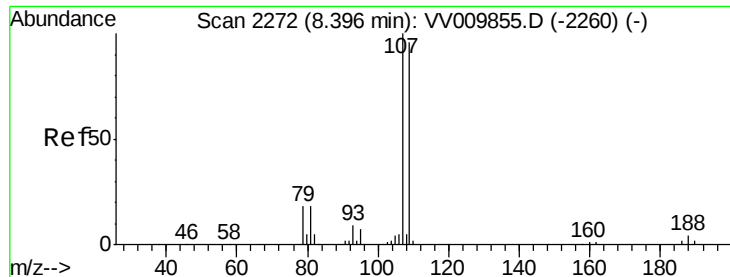
#49
Dibromochloromethane
Concen: 44.205 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Tgt Ion: 129 Resp: 66188
Ion Ratio Lower Upper
129 100
127 81.1 56.8 105.4



Abundance Ion 129.00 (128.70 to 129.70): VV009855.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV009855.D (-2228) (-)

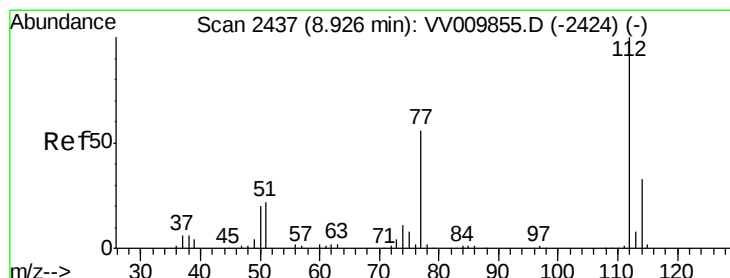
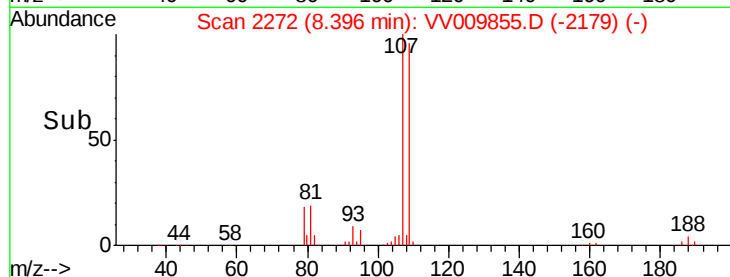
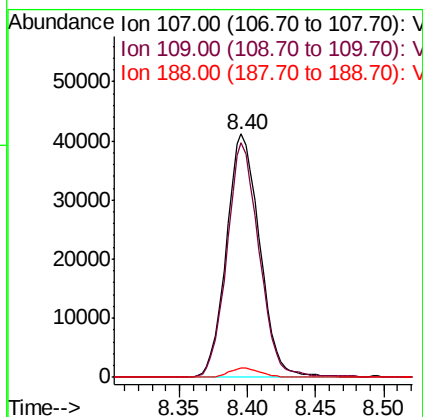
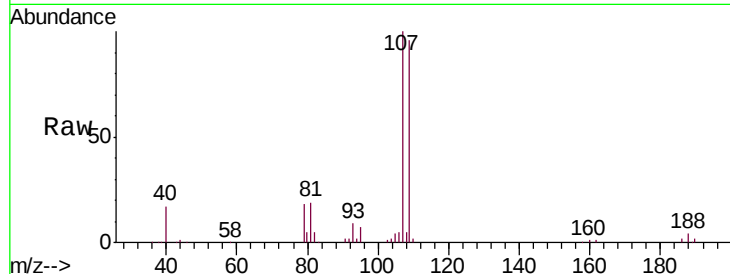




#50
 1,2-Dibromoethane
 Concen: 46.797 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

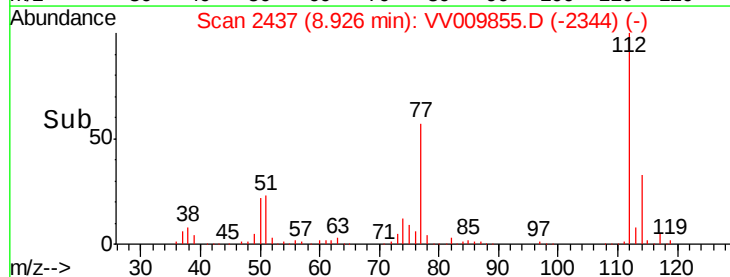
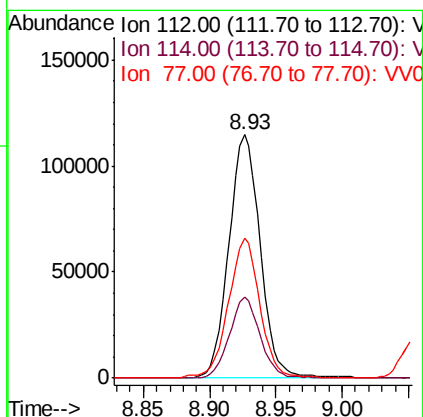
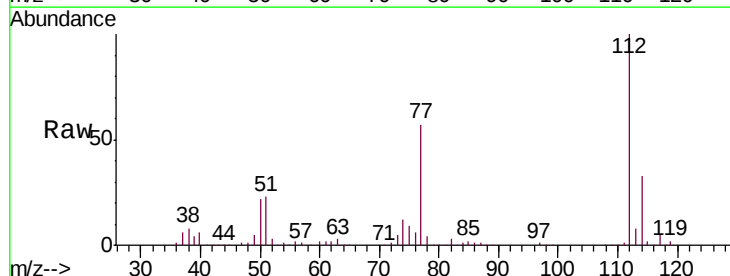
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05065

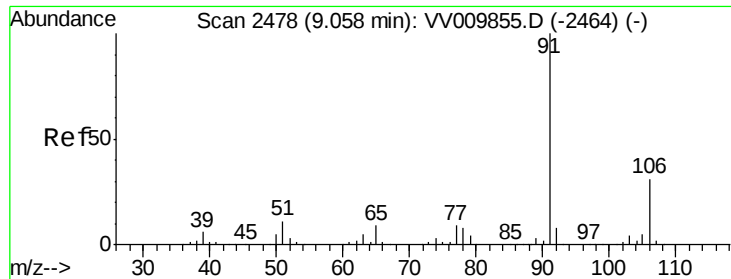
Tgt Ion:107 Resp: 69978
 Ion Ratio Lower Upper
 107 100
 109 96.4 67.5 125.3
 188 3.8 3.0 4.6



#51
 Chlorobenzene
 Concen: 49.996 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion:112 Resp: 188955
 Ion Ratio Lower Upper
 112 100
 114 33.3 23.3 43.3
 77 57.2 45.8 68.6





#52

Ethylbenzene

Concen: 51.632 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

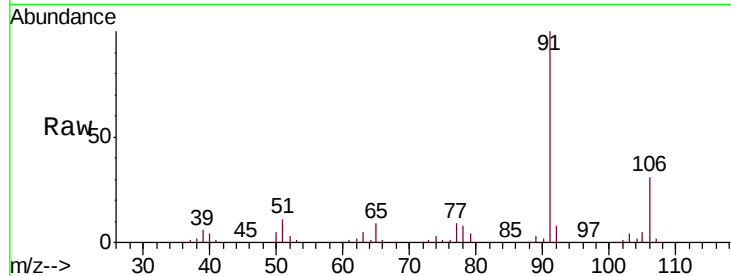
VSTD05065

Tgt Ion: 91 Resp: 321321

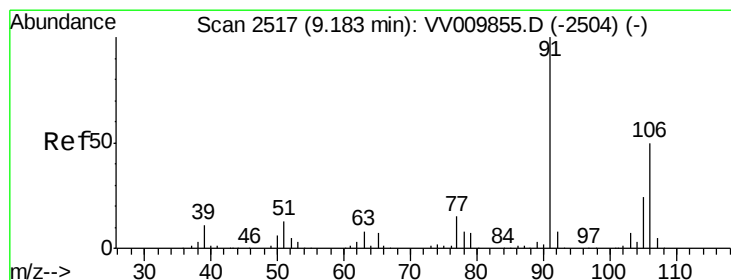
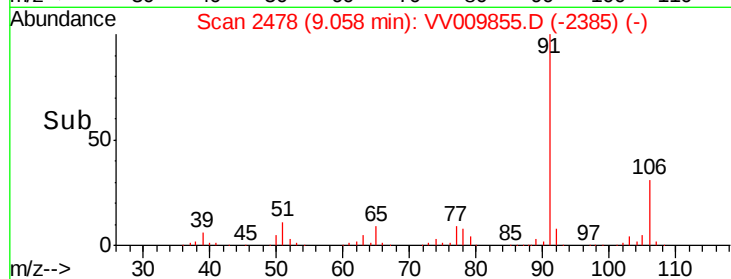
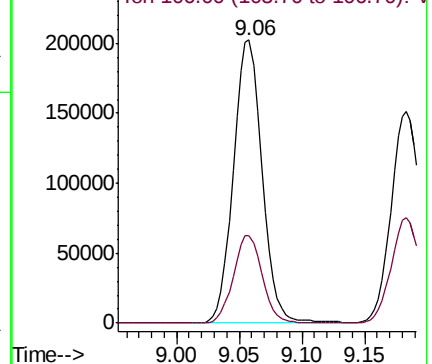
Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009855.D (-2464) (-)



#53

m,p-Xylene

Concen: 51.735 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009855.D

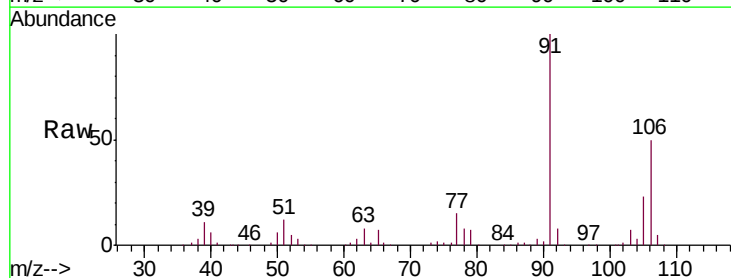
Acq: 25 Mar 2019 12:11

Tgt Ion: 106 Resp: 123845

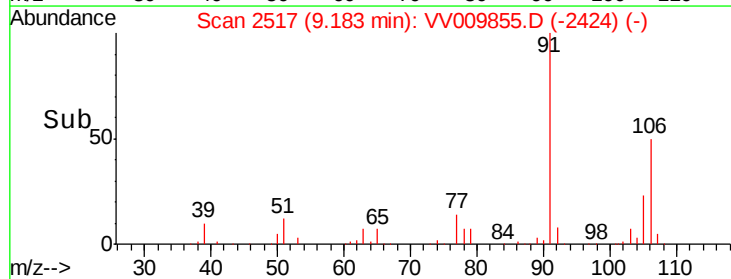
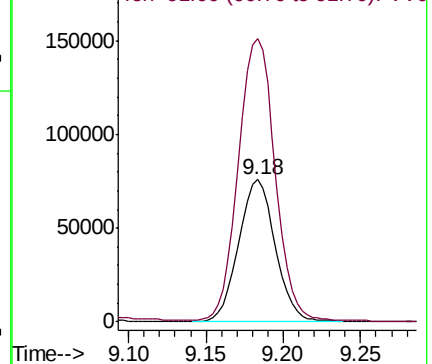
Ion Ratio Lower Upper

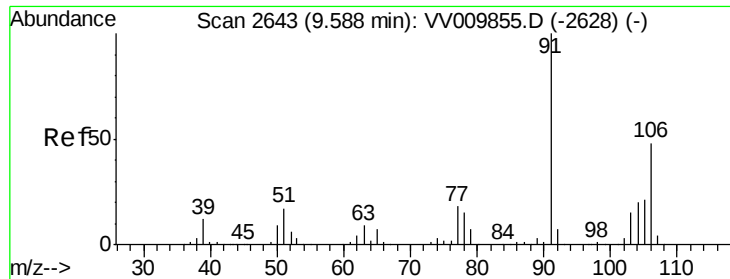
106 100

91 199.3 139.5 259.1



Abundance Ion 106.00 (105.70 to 106.70): VV009855.D (-2504) (-)

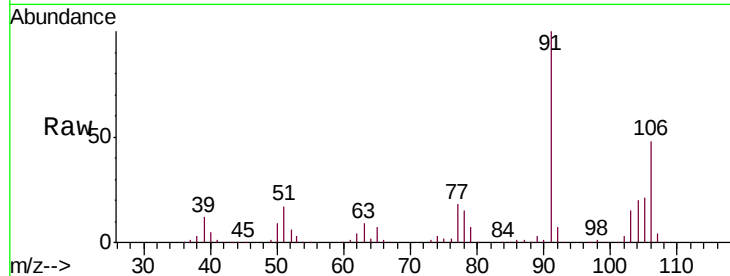




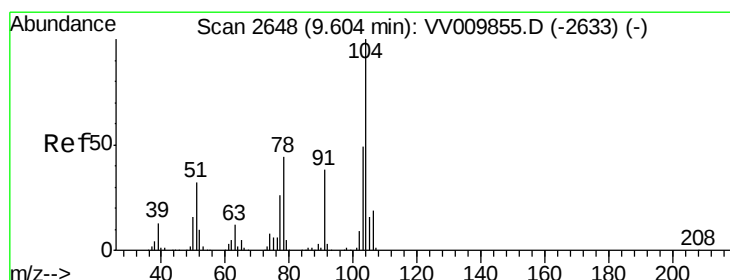
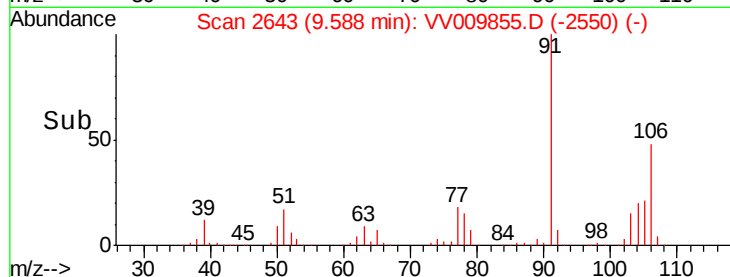
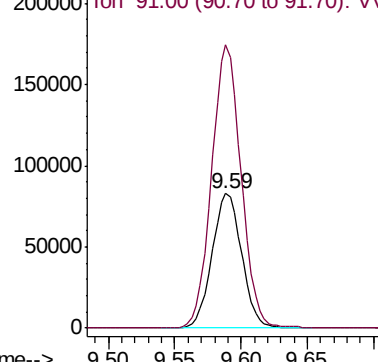
#54
o-xylene
Concen: 54.189 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05065

Tgt Ion:106 Resp: 128679
Ion Ratio Lower Upper
106 100
91 210.0 147.0 273.0

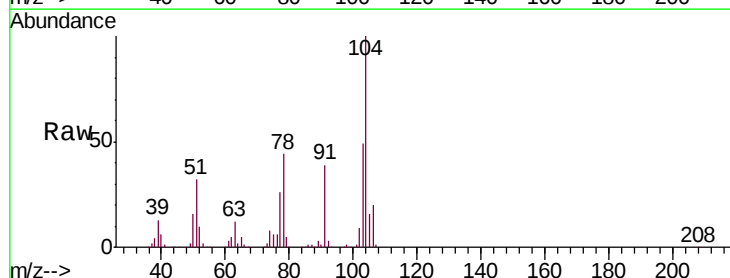


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

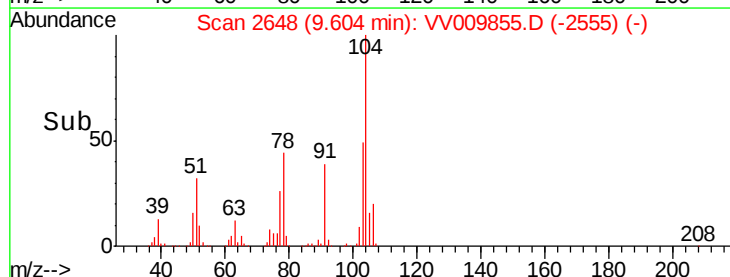
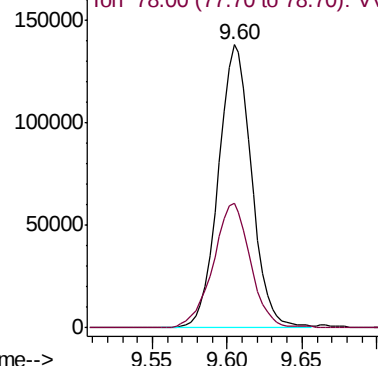


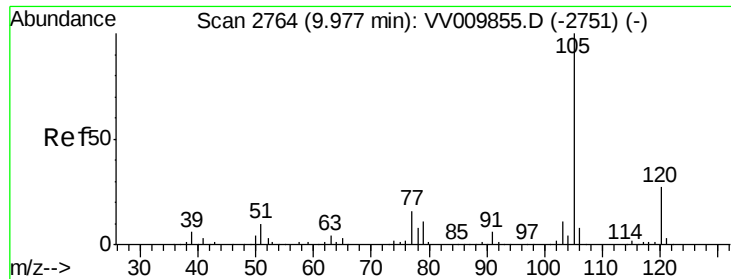
#55
Styrene
Concen: 53.410 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009855.D
Acq: 25 Mar 2019 12:11

Tgt Ion:104 Resp: 213623
Ion Ratio Lower Upper
104 100
78 44.1 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.727 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

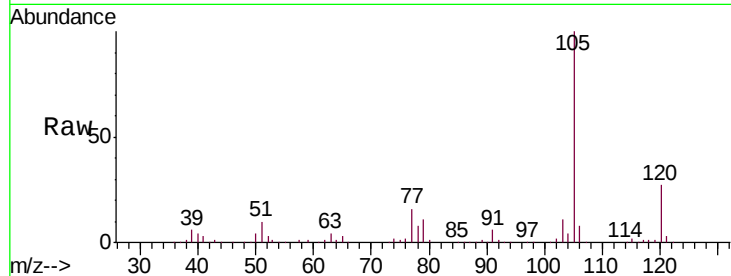
Tgt Ion: 105 Resp: 322331

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

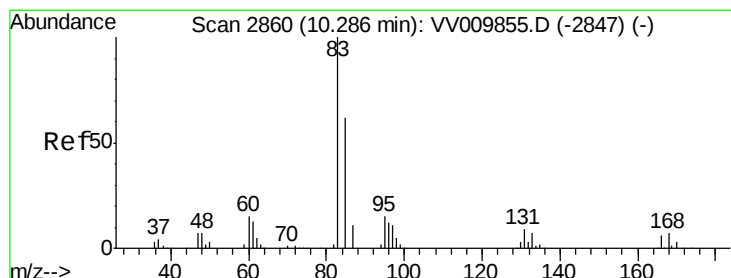
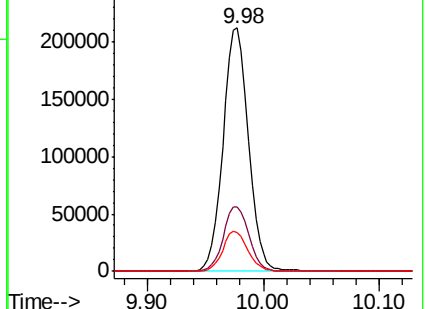
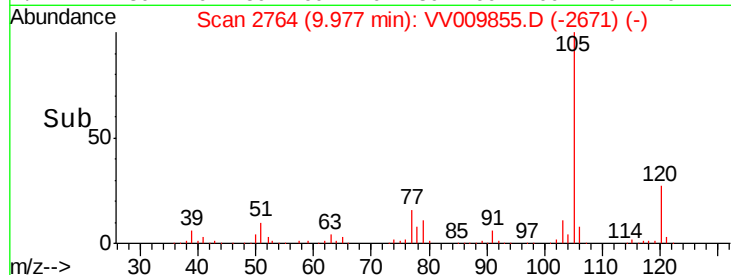
77 16.4 13.1 19.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.291 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

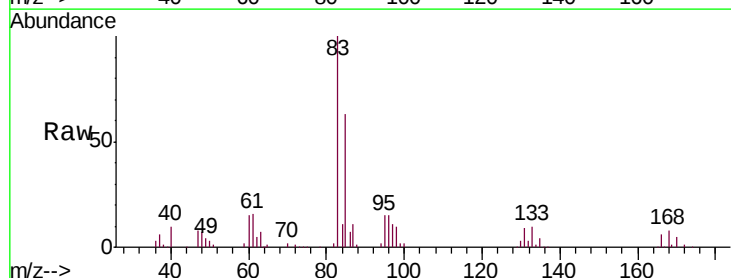
Tgt Ion: 83 Resp: 121347

Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

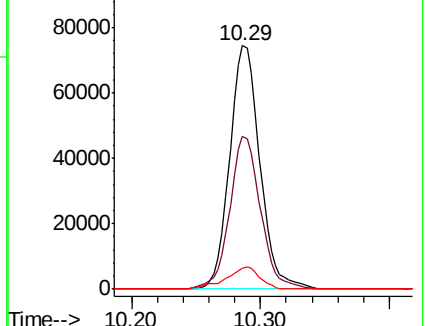
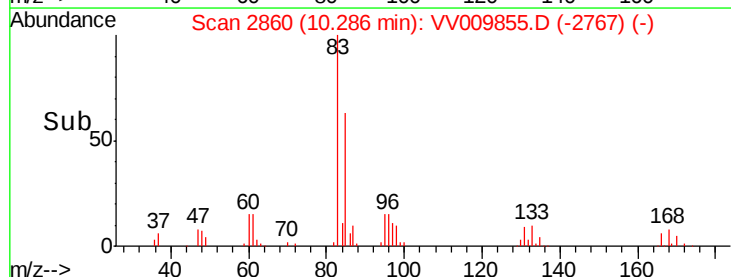
131 8.8 7.0 10.6

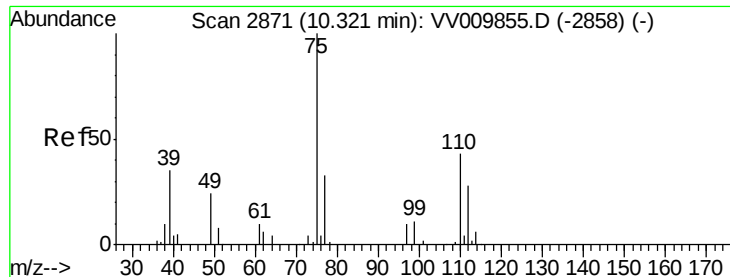


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

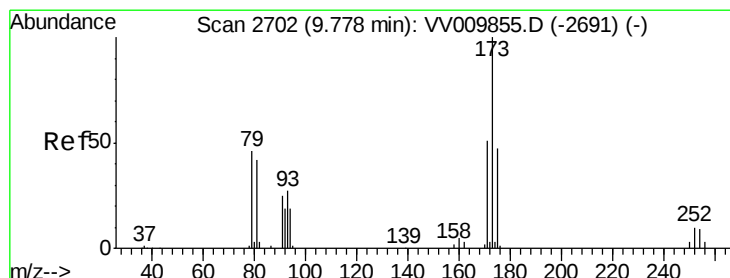
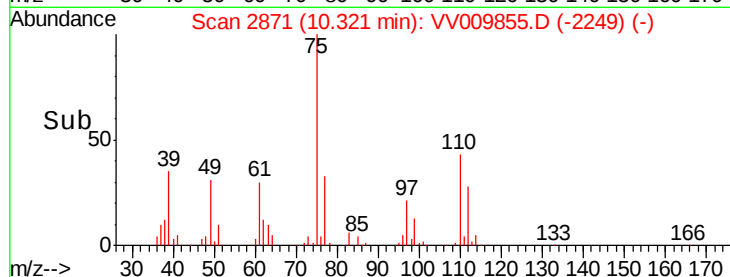
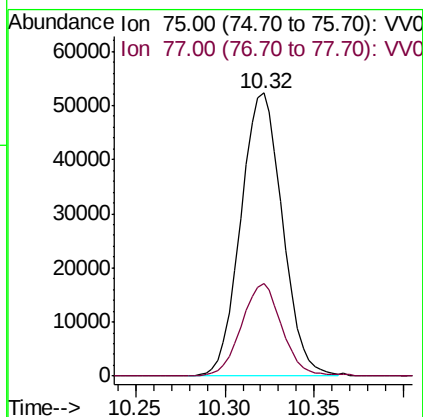
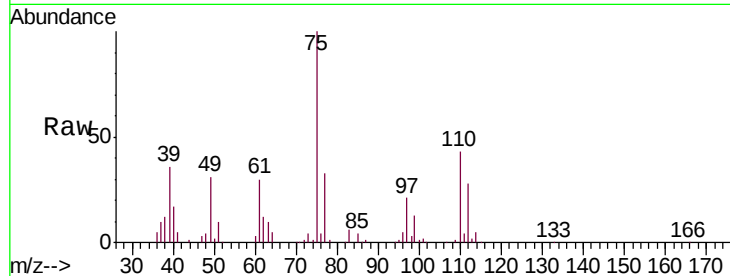




#59
 1,2,3-Trichloropropane
 Concen: 47.597 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

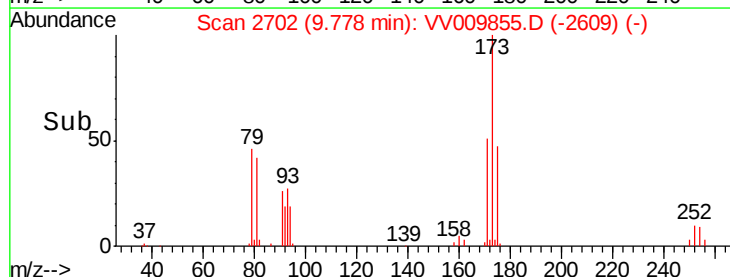
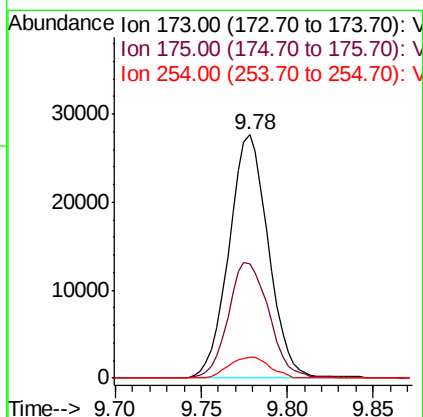
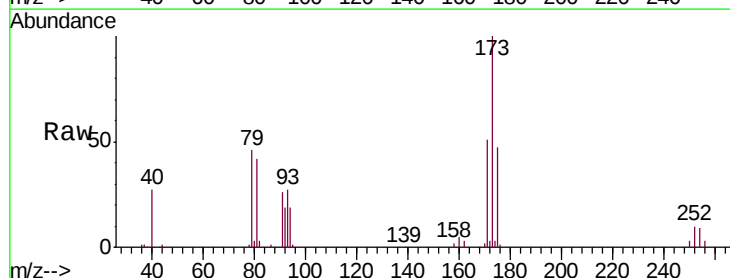
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

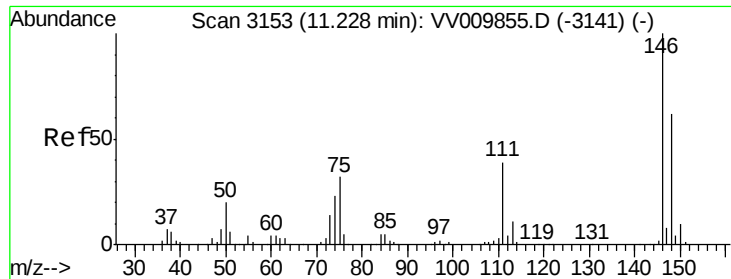
Tgt Ion: 75 Resp: 85574
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#61
 Bromoform
 Concen: 40.732 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion: 173 Resp: 44256
 Ion Ratio Lower Upper
 173 100
 175 48.8 39.0 58.6
 254 8.8 7.0 10.6

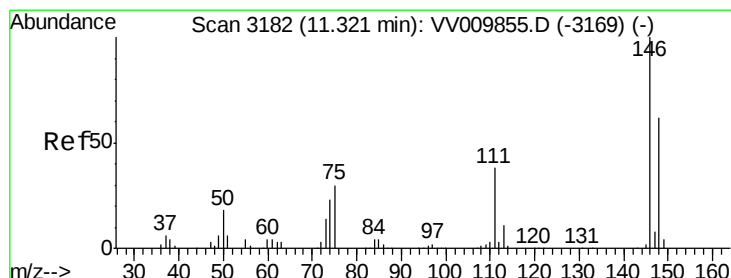
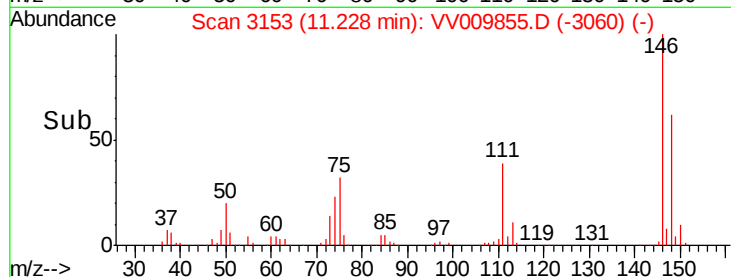
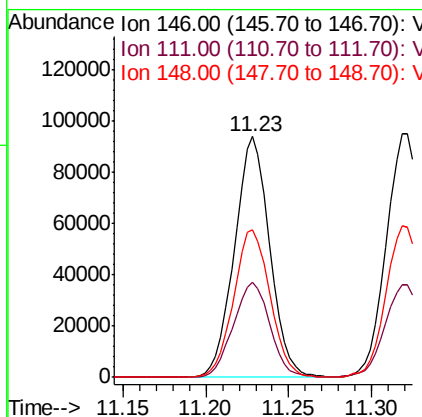
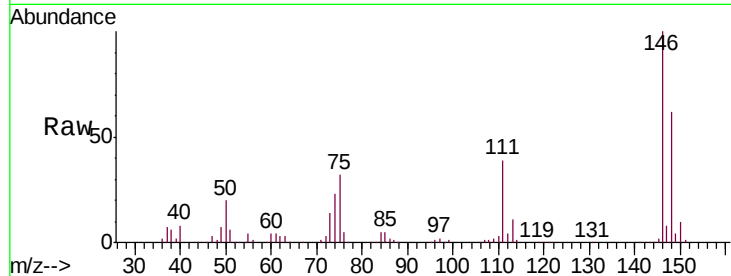




#62
 1,3-Dichlorobenzene
 Concen: 49.365 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

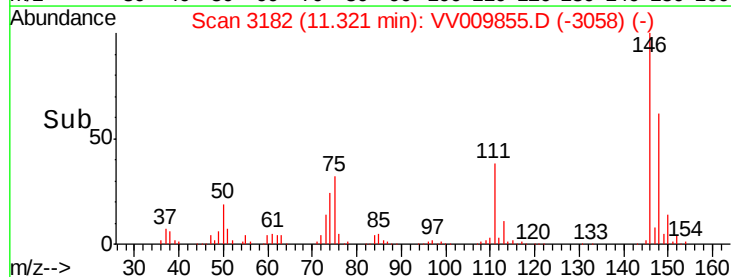
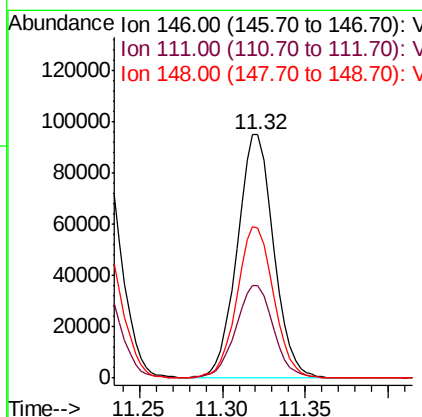
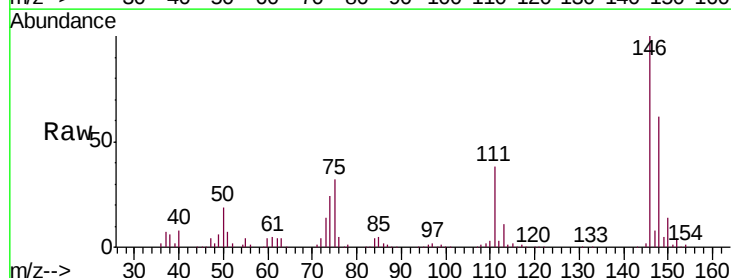
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05065

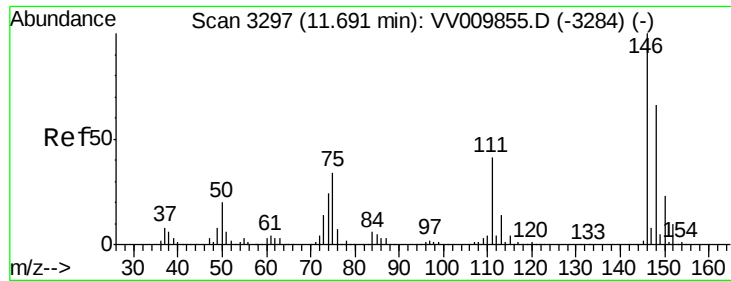
Tgt Ion:146 Resp: 139135
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.5 51.1
 148 61.5 43.0 80.0



#63
 1,4-Dichlorobenzene
 Concen: 49.609 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009855.D
 Acq: 25 Mar 2019 12:11

Tgt Ion:146 Resp: 145625
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.5 49.3
 148 61.7 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 51.075 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

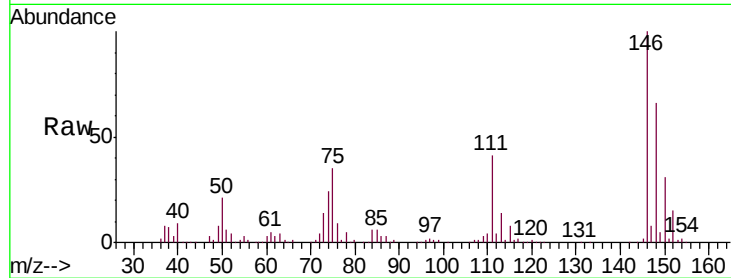
Tgt Ion:146 Resp: 148023

Ion Ratio Lower Upper

146 100

111 41.3 33.0 49.6

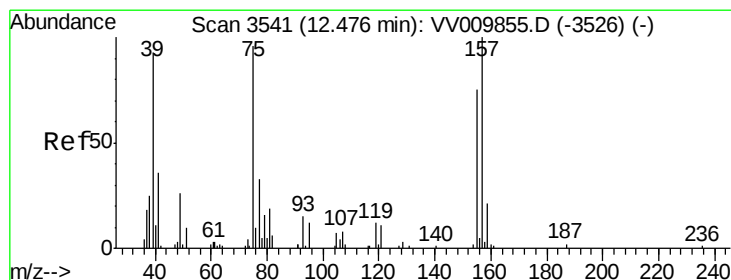
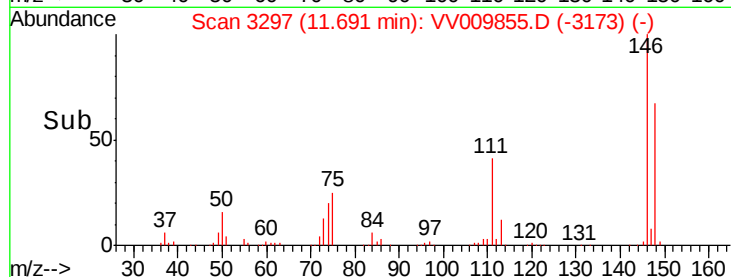
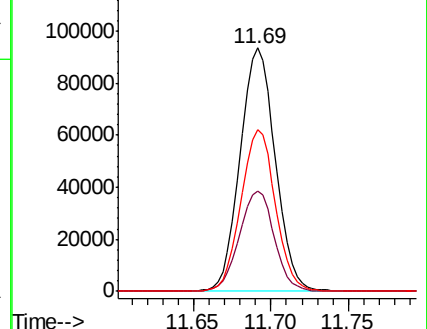
148 66.5 53.2 79.8



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: 41.779 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

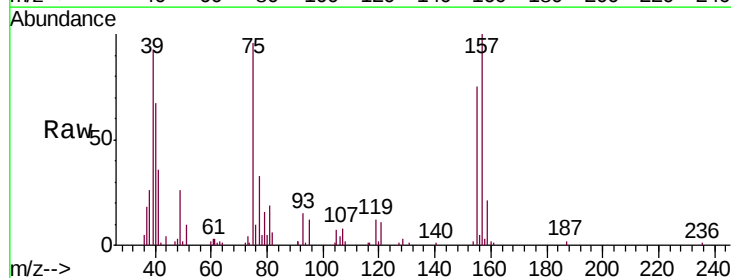
Tgt Ion: 75 Resp: 19317

Ion Ratio Lower Upper

75 100

155 78.5 62.8 94.2

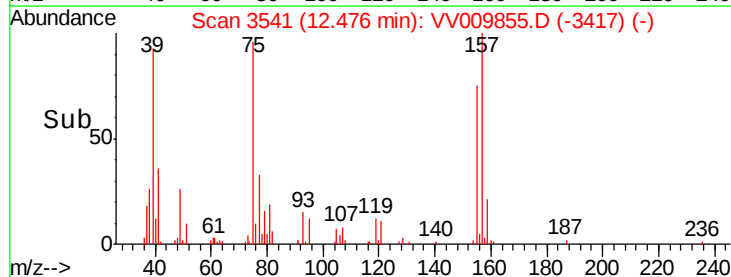
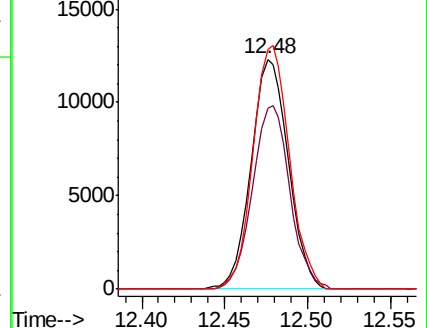
157 104.3 83.4 125.2

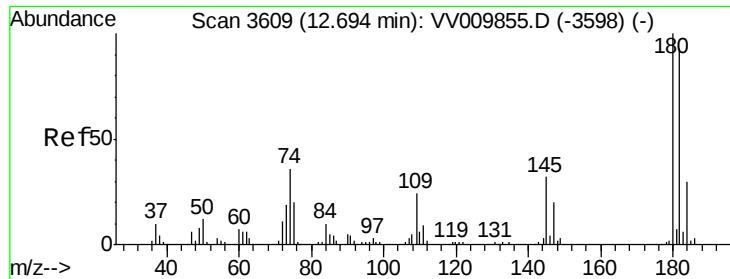


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#67

1,3,5-Trichlorobenzene

Concen: 46.086 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

Tgt Ion:180 Resp: 99526

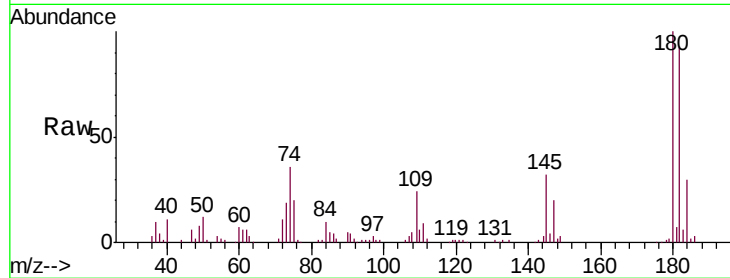
Ion Ratio Lower Upper

180 100

182 93.8 75.0 112.6

184 30.1 24.1 36.1

145 30.3 24.2 36.4

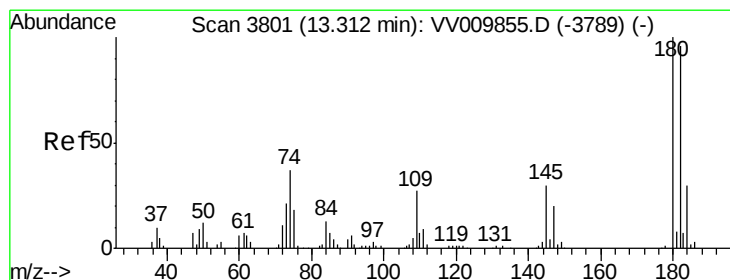
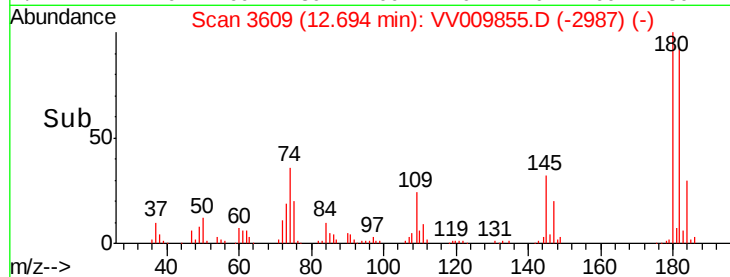
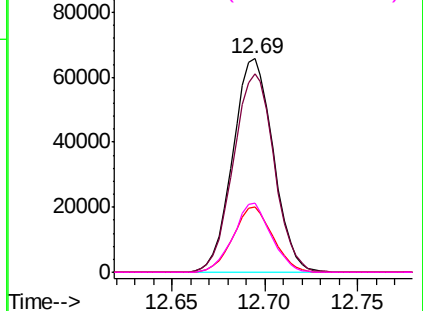


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 41.463 ug/L

RT: 13.31 min Scan# 3801

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

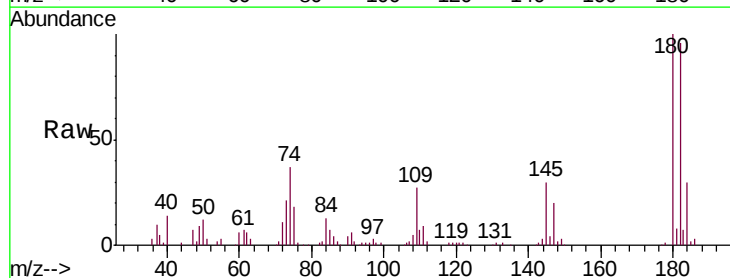
Tgt Ion:180 Resp: 77520

Ion Ratio Lower Upper

180 100

182 96.4 77.1 115.7

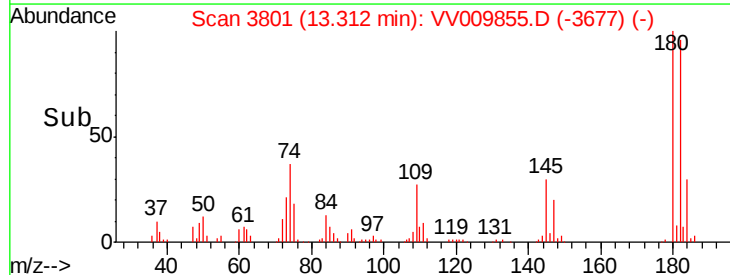
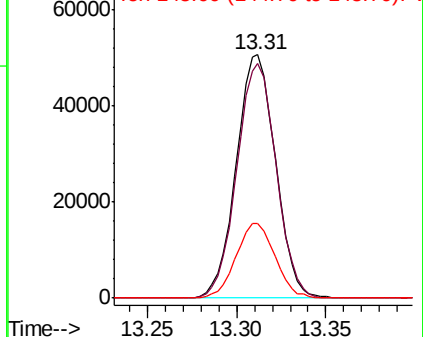
145 30.4 24.3 36.5

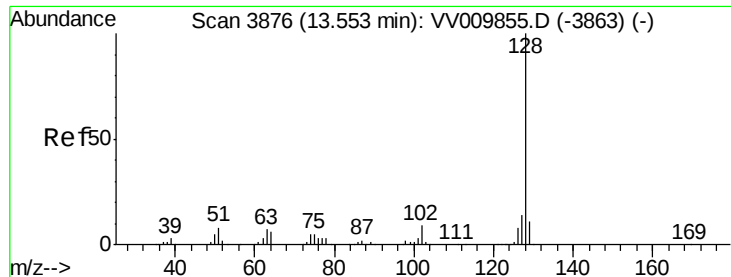


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 37.649 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05065

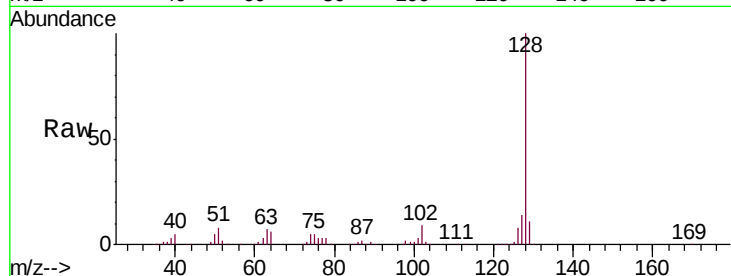
Tgt Ion:128 Resp: 218827

Ion Ratio Lower Upper

128 100

127 13.8 11.0 16.6

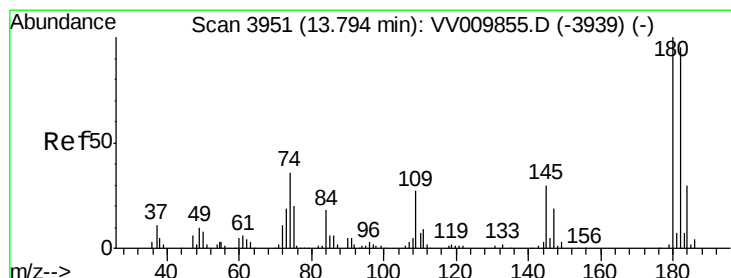
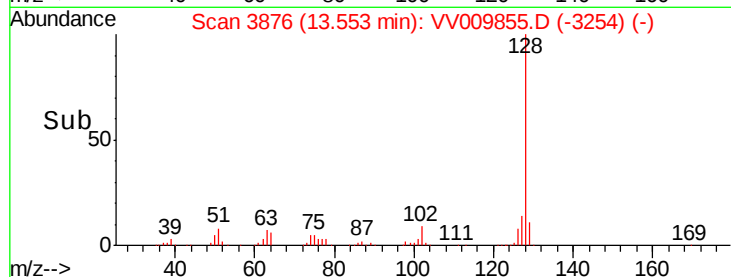
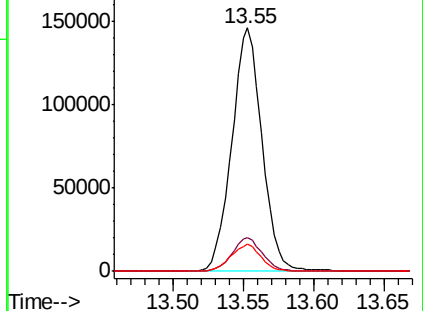
129 10.8 8.6 13.0



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: 42.120 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009855.D

Acq: 25 Mar 2019 12:11

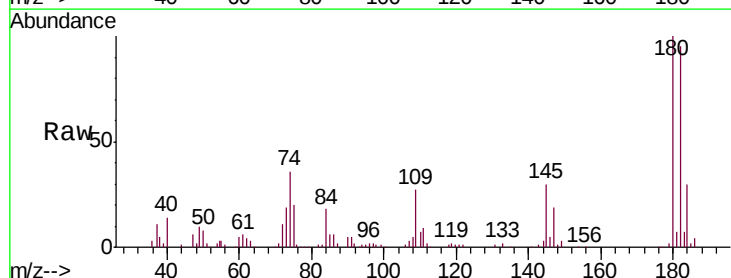
Tgt Ion:180 Resp: 82117

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 31.0 24.8 37.2



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

