

Data File : VV012987.D
Acq On : 25 Sep 2019 20:01
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

Quant Time: Sep 26 01:16:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 01:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	708737	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	724504	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	397548	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	219290	19.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.76%
7) Chloroethane-d5	1.58	69	194264	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
10) 1,1-Dichloroethene-d2	2.13	63	385858	21.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.40%
20) 2-Butanone-d5	3.92	46	194382	51.19	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.38%
24) Chloroform-d	4.40	84	440316	22.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.48%
26) 1,2-Dichloroethane-d4	5.08	65	260132	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.96%
29) Benzene-d6	5.10	84	871423	21.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.16%
33) 1,2-Dichloropropane-d6	6.11	67	280752	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.56%
37) Toluene-d8	7.36	98	807691	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.66	79	114936	21.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.64%
39) 2-Hexanone-d5	8.13	63	135383	53.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	278769	23.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	336339	21.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	207223	26.549 ug/L	99
3) Chloromethane	1.25	50	260227	25.530 ug/L	100
5) Vinyl chloride	1.32	62	247726	24.616 ug/L	100
6) Bromomethane	1.53	94	158394	25.214 ug/L	99
8) Chloroethane	1.60	64	160024	25.877 ug/L	98
9) Trichlorofluoromethane	1.77	101	335891	24.678 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	203889	23.437 ug/L	99
12) 1,1-Dichloroethene	2.14	96	193139	24.107 ug/L	99
13) Acetone	2.18	43	174762	43.305 ug/L	99
14) Carbon disulfide	2.32	76	603353	23.576 ug/L	100
15) Methyl Acetate	2.46	43	158544	25.329 ug/L	98
16) Methylene chloride	2.53	84	291220	27.491 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	620725	26.405 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	226644	23.899 ug/L	98
19) 1,1-Dichloroethane	3.23	63	438143	25.318 ug/L	99
21) 2-Butanone	4.01	43	217505	46.311 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	267644	25.788 ug/L	98

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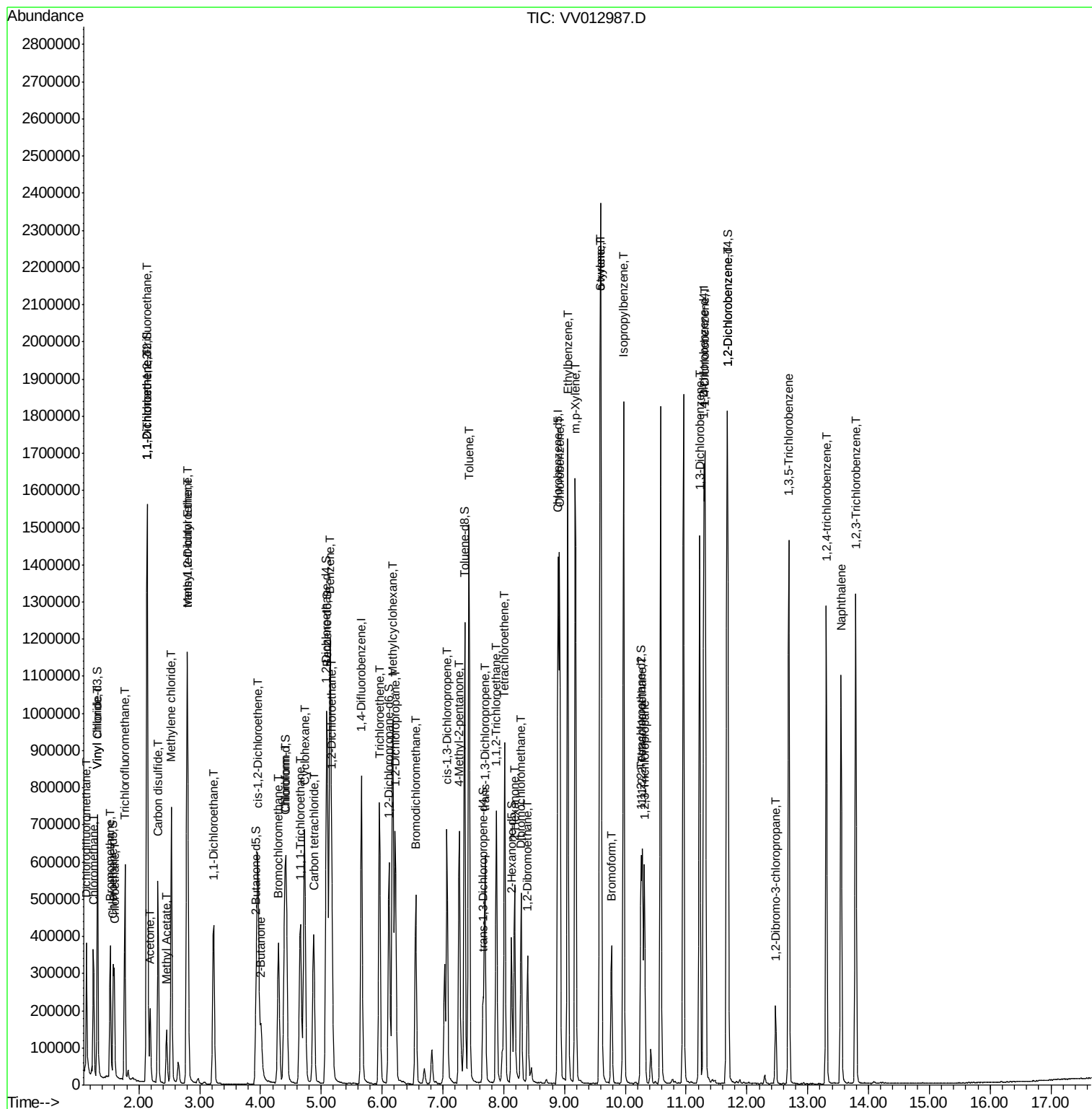
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	131989	25.746	ug/L	97
25) Chloroform	4.42	83	456351	25.150	ug/L	100
27) 1,2-Dichloroethane	5.18	62	335168	26.135	ug/L	98
30) Cyclohexane	4.72	56	361827	23.278	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	333414	23.252	ug/L	99
32) Carbon tetrachloride	4.87	117	296977	22.841	ug/L	99
34) Benzene	5.14	78	1000011	24.796	ug/L	100
35) Trichloroethene	5.96	95	259495	23.098	ug/L	99
36) Methylcyclohexane	6.17	83	393938	22.842	ug/L	99
40) 1,2-Dichloropropane	6.22	63	262501	25.030	ug/L	99
41) Bromodichloromethane	6.55	83	337778	25.145	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	393614	25.543	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	456630	52.995	ug/L	99
44) Toluene	7.43	91	1077582	25.335	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	326165	25.148	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	225562	25.334	ug/L	99
47) Tetrachloroethene	8.02	164	209535	22.948	ug/L	99
49) 2-Hexanone	8.18	43	330797	50.931	ug/L	98
50) Dibromochloromethane	8.29	129	254359	24.856	ug/L	98
51) 1,2-Dibromoethane	8.39	107	220898	25.318	ug/L	99
52) Chlorobenzene	8.92	112	726493	24.751	ug/L	100
53) Ethylbenzene	9.05	91	1182180	25.243	ug/L	100
54) m,p-Xylene	9.18	106	454604	25.534	ug/L	99
55) o-xylene	9.59	106	438752	25.864	ug/L	99
56) Styrene	9.60	104	802289	26.879	ug/L	99
57) Isopropylbenzene	9.97	105	1135518	25.470	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	284289	25.813	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	230148	25.318	ug/L	99
62) Bromoform	9.77	173	165087	24.472	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	602997	24.642	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	614592	23.930	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	572935	24.546	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	47776	23.087	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	452516	23.640	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	390143	23.308	ug/L	99
69) Naphthalene	13.55	128	836580	24.849	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	393692	24.463	ug/L	99

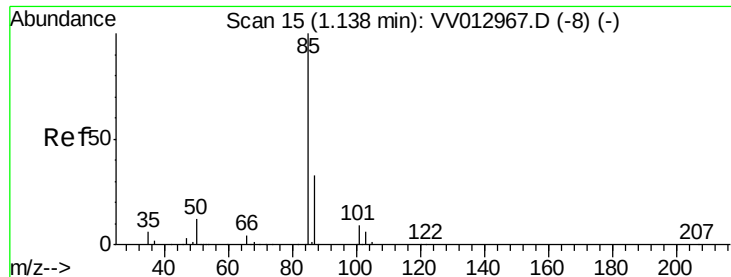
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.549 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

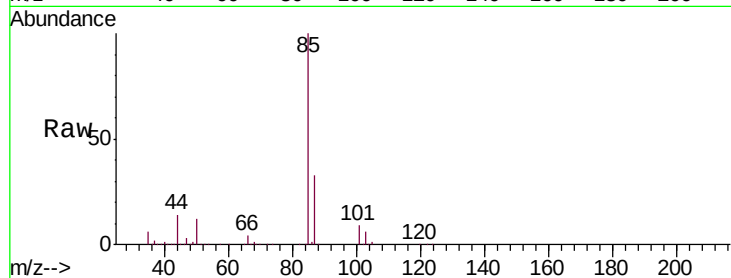
VSTD02572

Tgt Ion: 85 Resp: 207223

Ion Ratio Lower Upper

85 100

87 32.6 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV012967.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012967.D (-8) (-)

1.14

200000

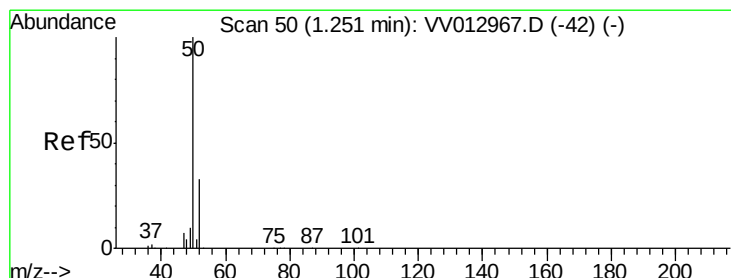
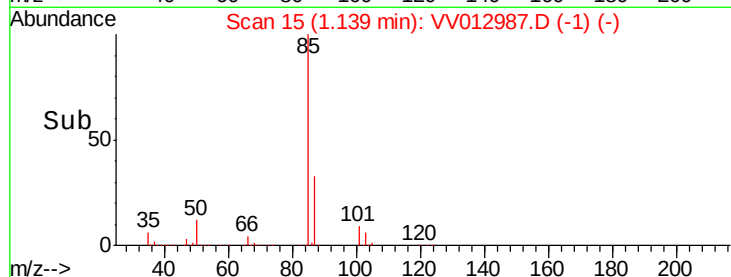
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 25.530 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012987.D

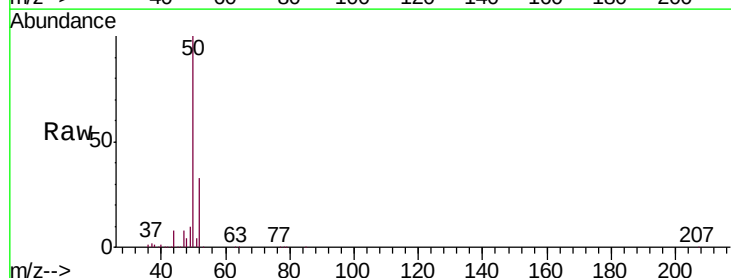
Acq: 25 Sep 2019 20:01

Tgt Ion: 50 Resp: 260227

Ion Ratio Lower Upper

50 100

52 32.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV012967.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV012967.D (-42) (-)

1.25

250000

200000

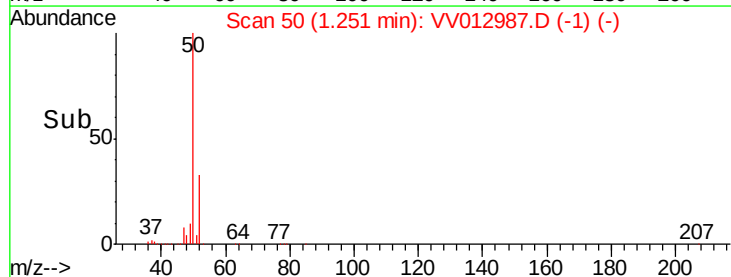
150000

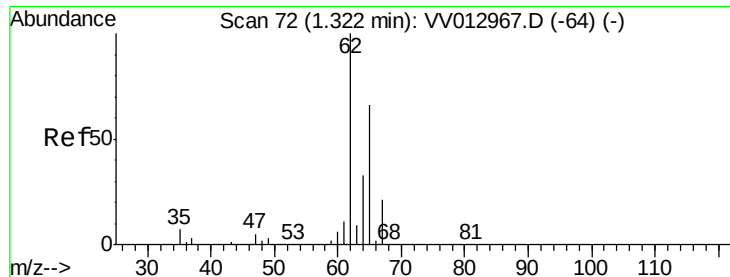
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 24.616 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

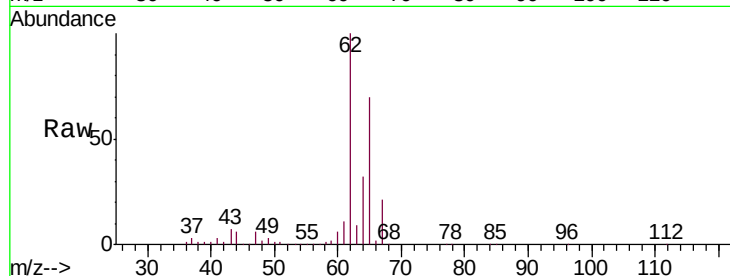
VSTD02572

Tgt Ion: 62 Resp: 247726

Ion Ratio Lower Upper

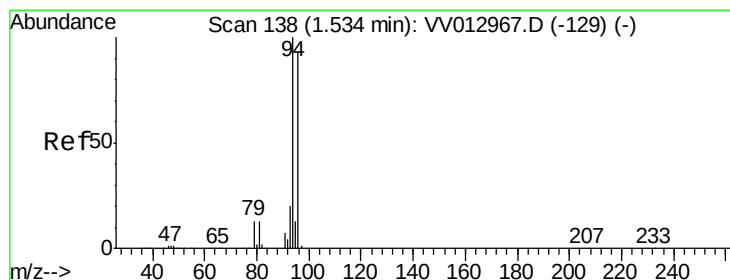
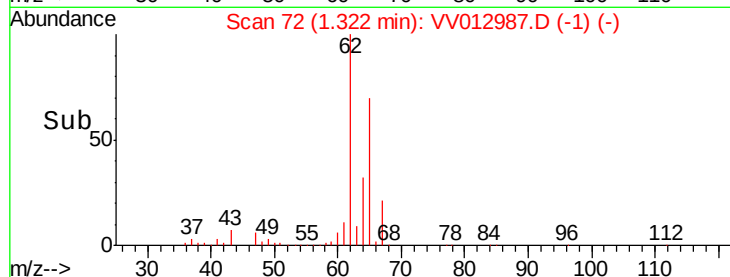
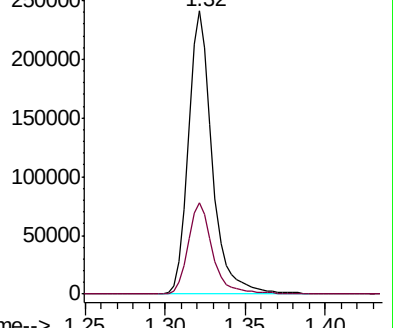
62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV012967.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV012967.D (-64) (-)



#6

Bromomethane

Concen: 25.214 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV012987.D

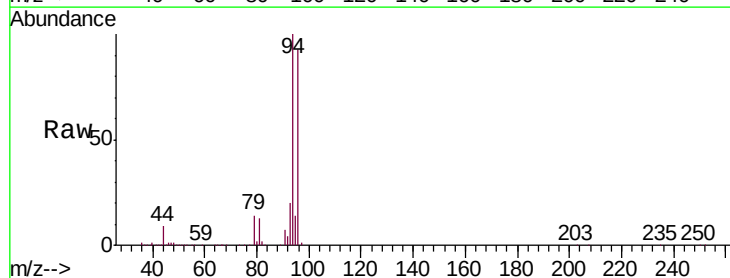
Acq: 25 Sep 2019 20:01

Tgt Ion: 94 Resp: 158394

Ion Ratio Lower Upper

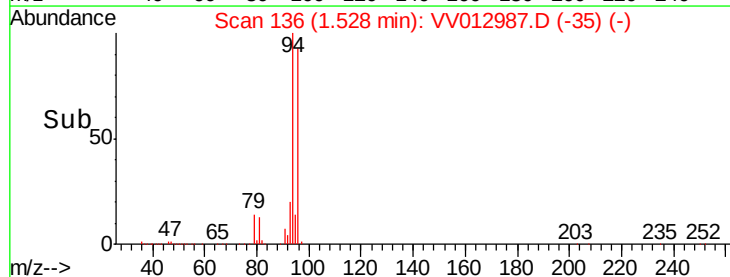
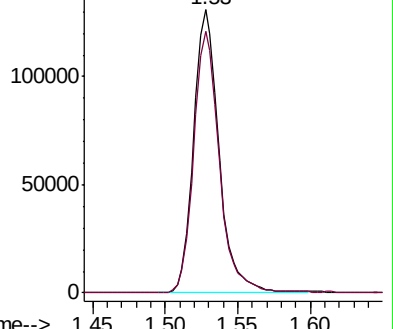
94 100

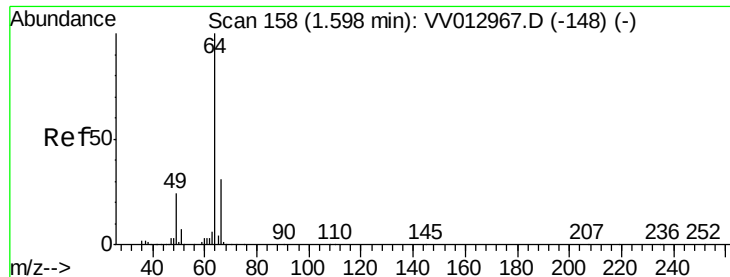
96 94.2 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV012967.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV012967.D (-129) (-)





#8

Chloroethane

Concen: 25.877 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

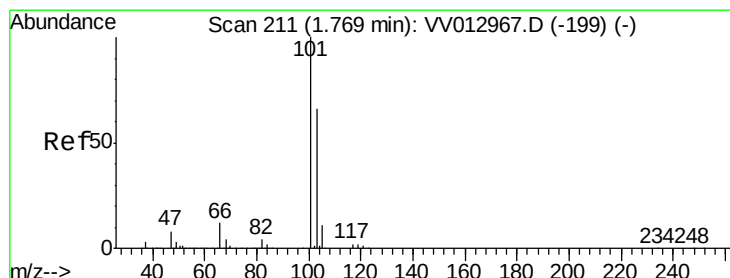
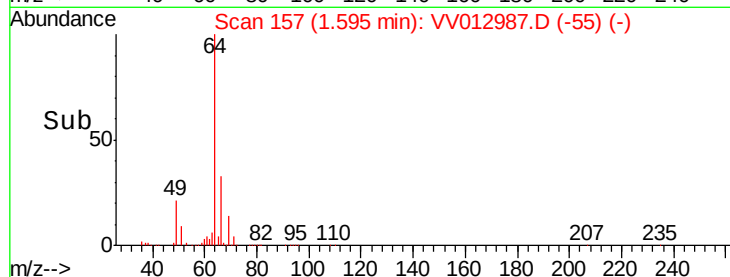
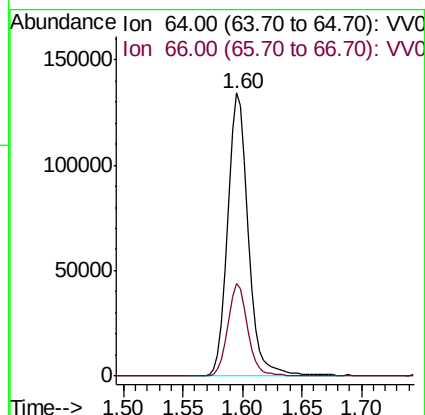
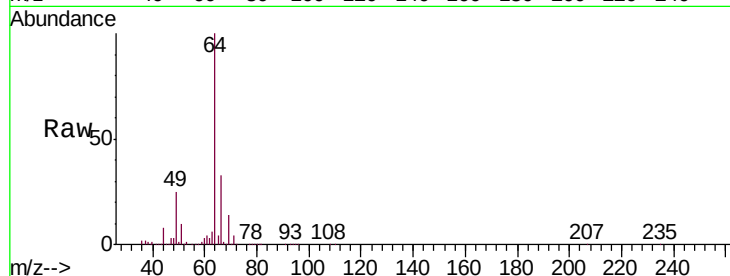
VSTD02572

Tgt Ion: 64 Resp: 160024

Ion Ratio Lower Upper

64 100

66 32.6 22.2 41.2



#9

Trichlorofluoromethane

Concen: 24.678 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV012987.D

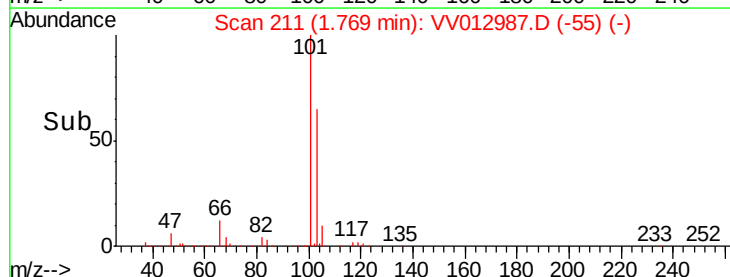
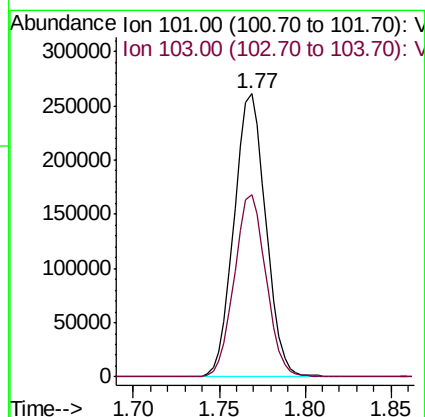
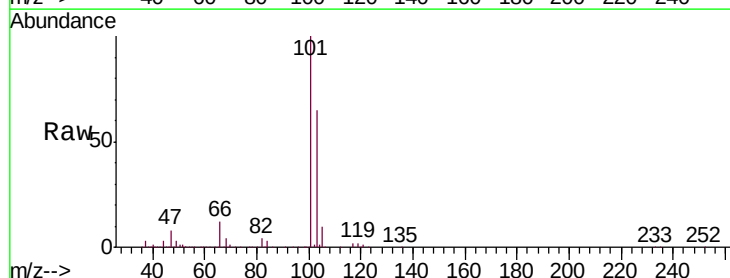
Acq: 25 Sep 2019 20:01

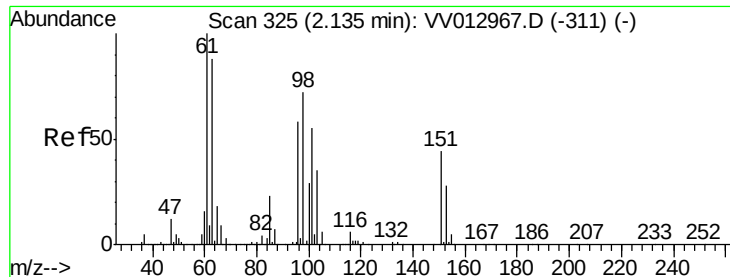
Tgt Ion: 101 Resp: 335891

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.9





#11

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

Concen: 23.437 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

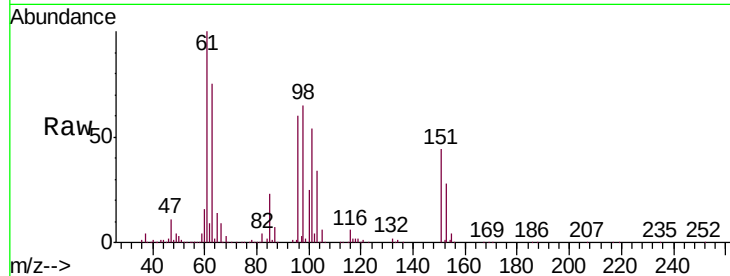
Tgt Ion:101 Resp: 203889

Ion Ratio Lower Upper

101 100

85 41.7 32.6 49.0

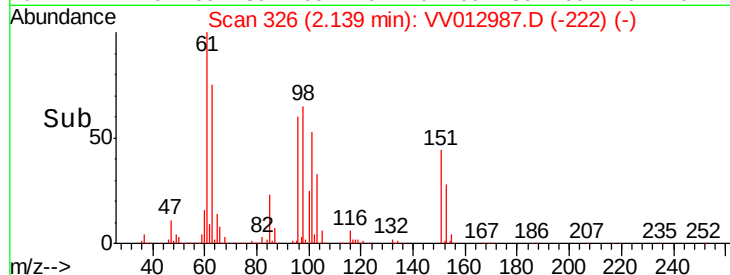
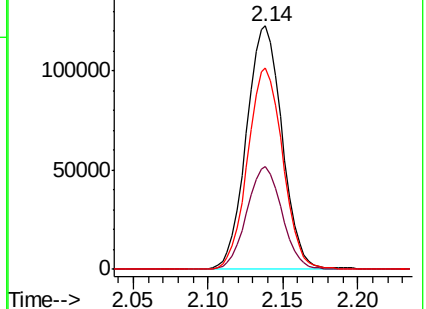
151 81.4 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV012967.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV012967.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV012967.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 24.107 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

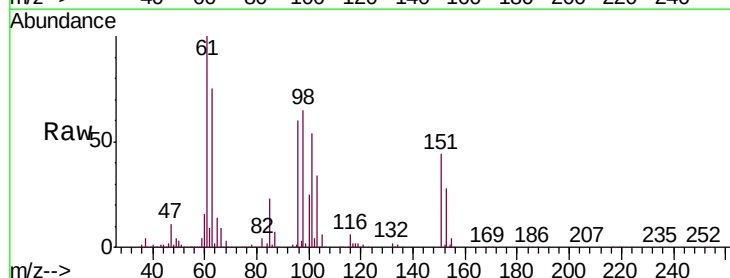
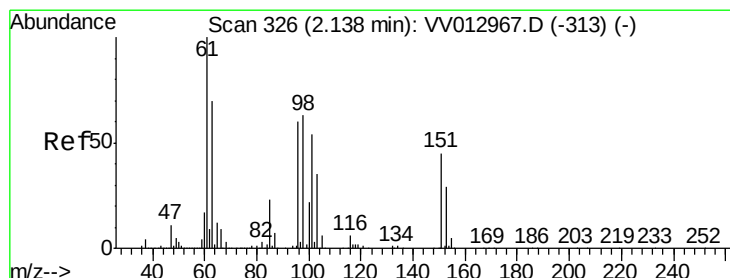
Tgt Ion: 96 Resp: 193139

Ion Ratio Lower Upper

96 100

61 167.1 117.2 217.8

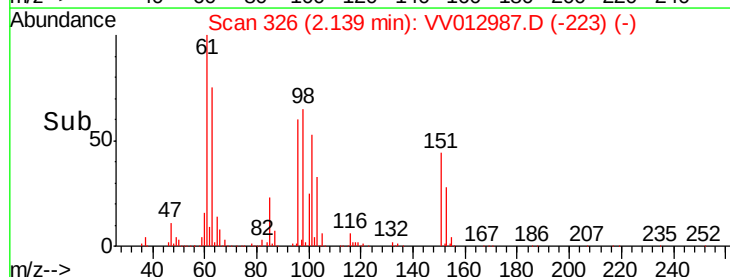
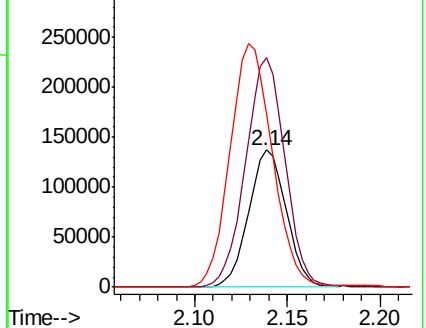
63 125.9 89.6 166.4

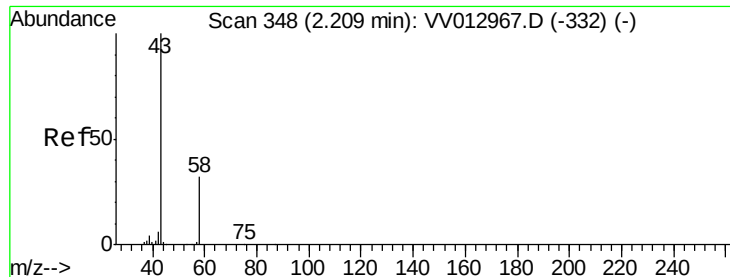


Abundance Ion 96.00 (95.70 to 96.70): VV012967.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV012967.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV012967.D (-313) (-)





#13

Acetone

Concen: 43.305 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

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ClientSampleId :

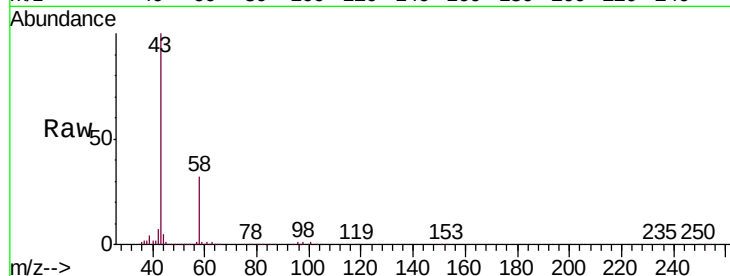
VSTD02572

Tgt Ion: 43 Resp: 174762

Ion Ratio Lower Upper

43 100

58 33.3 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.18

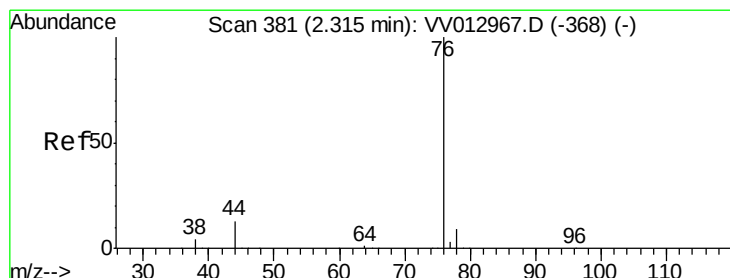
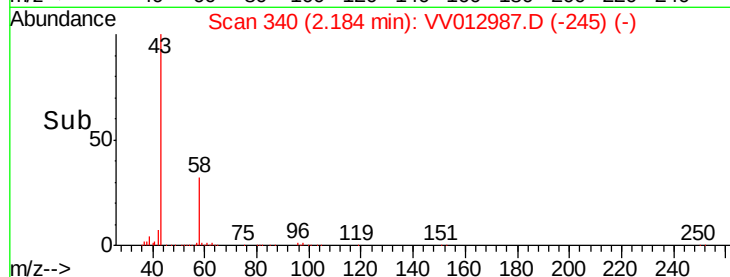
100000

50000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 23.576 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV012987.D

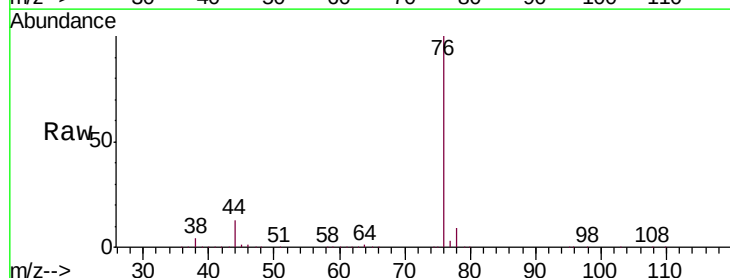
Acq: 25 Sep 2019 20:01

Tgt Ion: 76 Resp: 603353

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

400000

300000

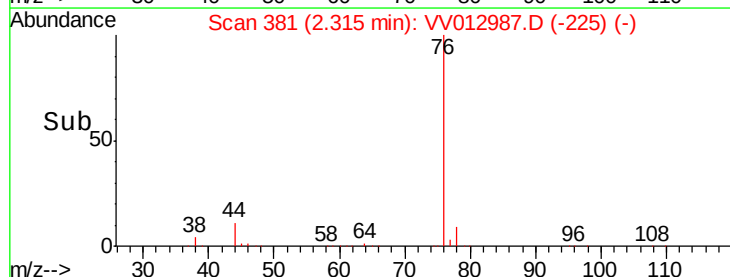
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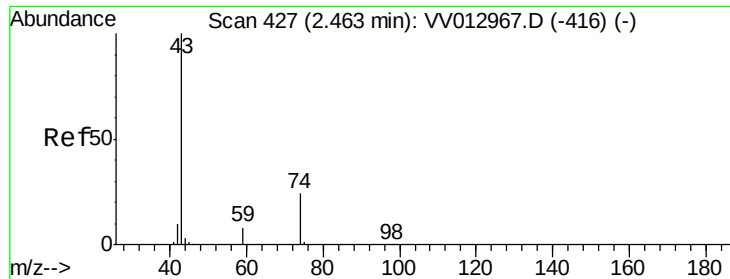
100000

0

Time-->

2.20 2.30 2.40

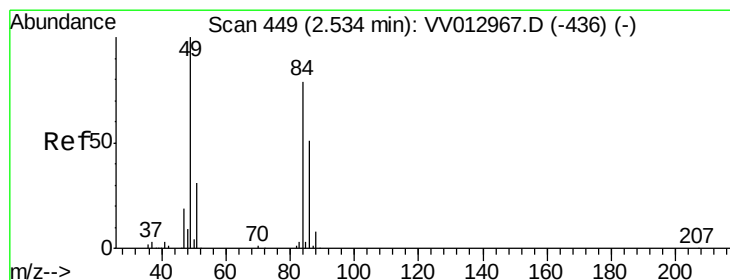
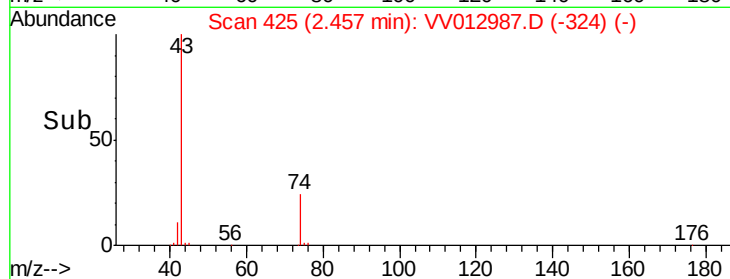
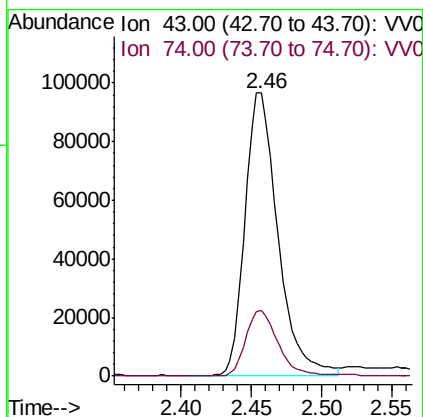
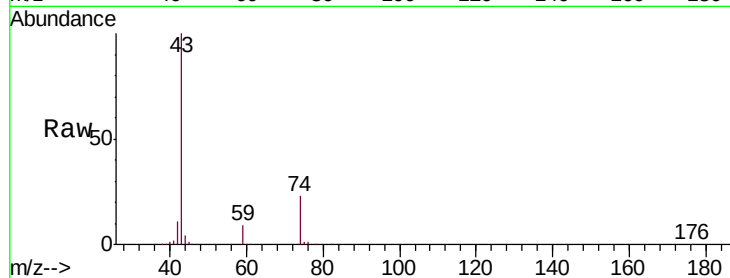




#15
Methyl Acetate
Concen: 25.329 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

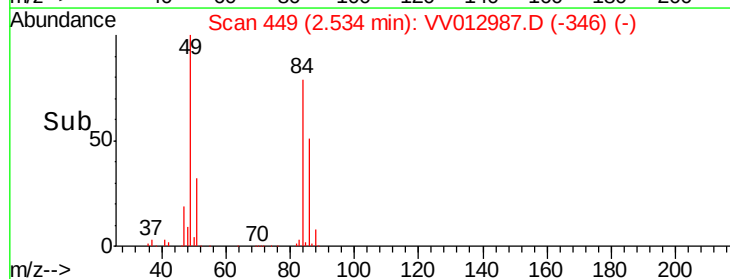
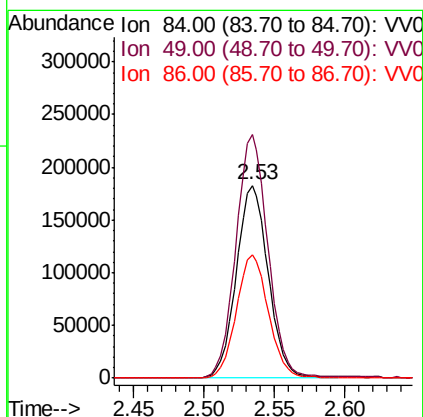
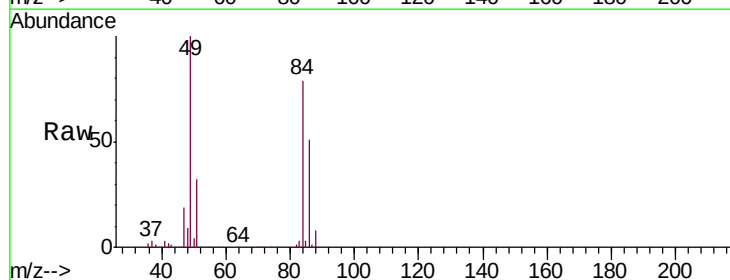
Instrument :
MSVOA_V
ClientSampled :
VSTD02572

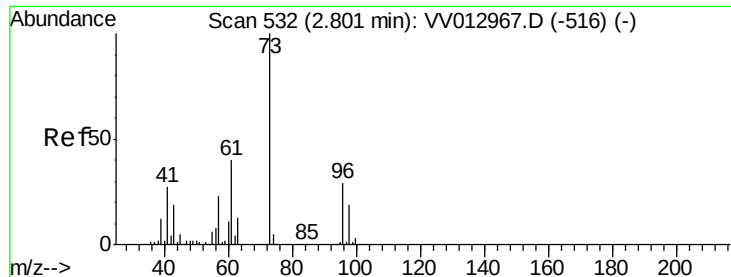
Tgt Ion: 43 Resp: 158544
Ion Ratio Lower Upper
43 100
74 22.7 18.8 28.2



#16
Methylene chloride
Concen: 27.491 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

Tgt Ion: 84 Resp: 291220
Ion Ratio Lower Upper
84 100
49 126.4 88.3 164.1
86 64.2 44.9 83.3

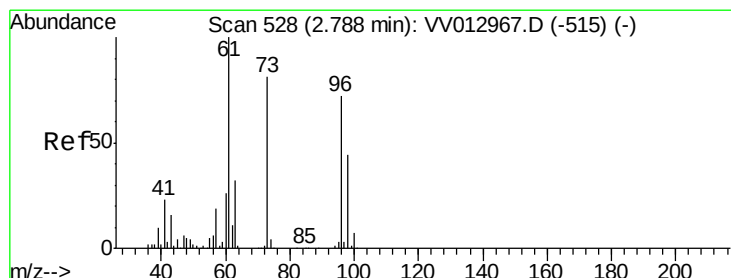
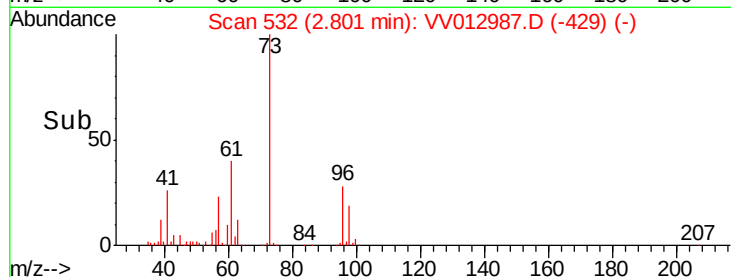
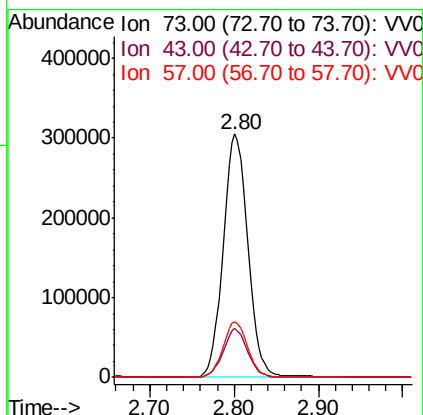
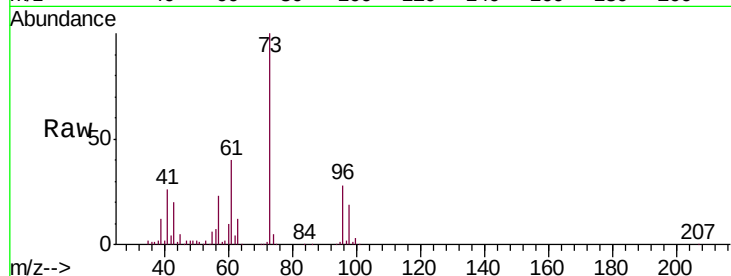




#17
Methyl tert-butyl Ether
Concen: 26.405 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

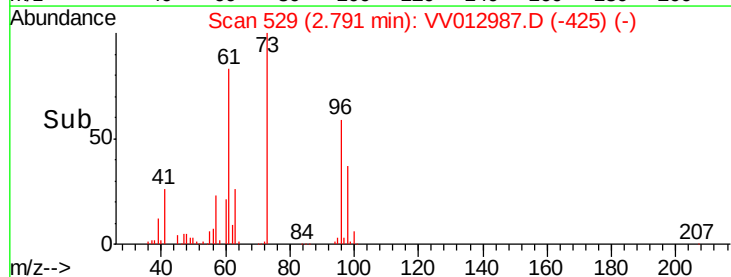
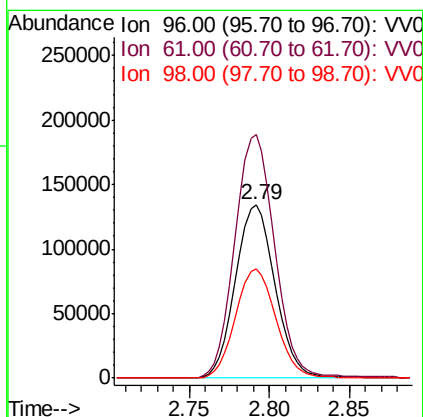
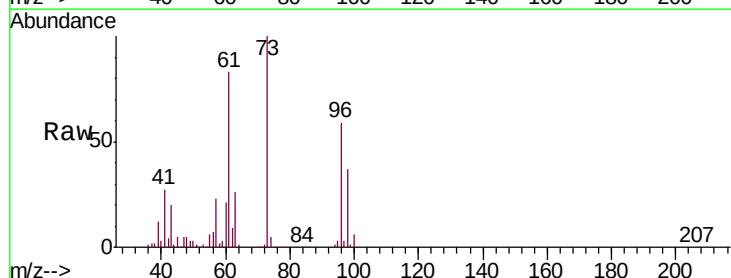
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

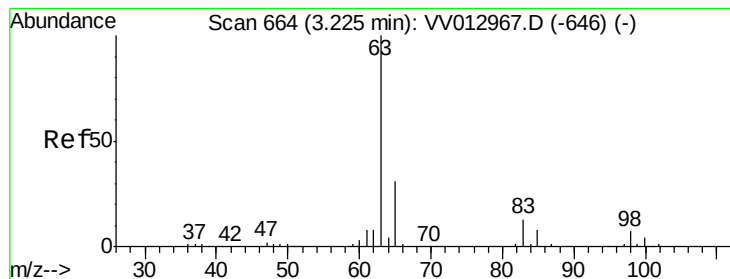
Tgt Ion: 73 Resp: 620725
Ion Ratio Lower Upper
73 100
43 19.3 15.0 22.6
57 22.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 23.899 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

Tgt Ion: 96 Resp: 226644
Ion Ratio Lower Upper
96 100
61 140.4 96.8 179.8
98 62.9 44.8 83.2





#19

1,1-Dichloroethane

Concen: 25.318 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampled :

VSTD02572

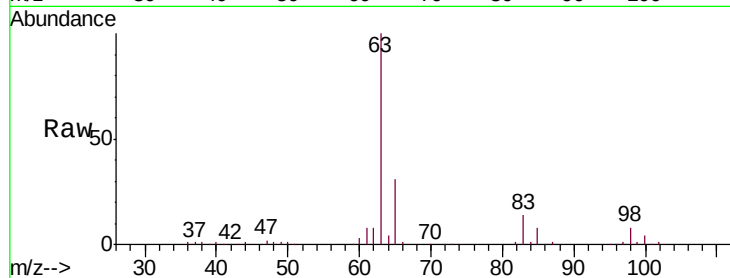
Tgt Ion: 63 Resp: 438143

Ion Ratio Lower Upper

63 100

65 30.8 22.0 41.0

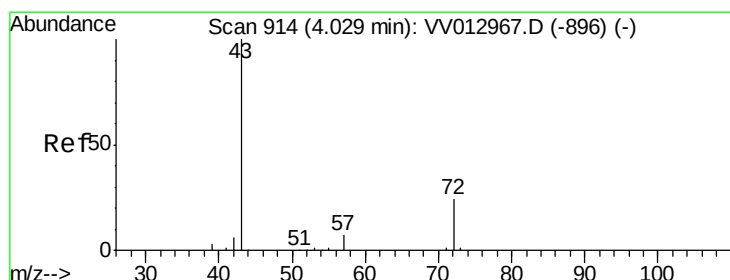
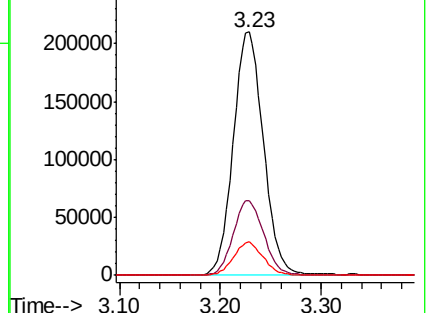
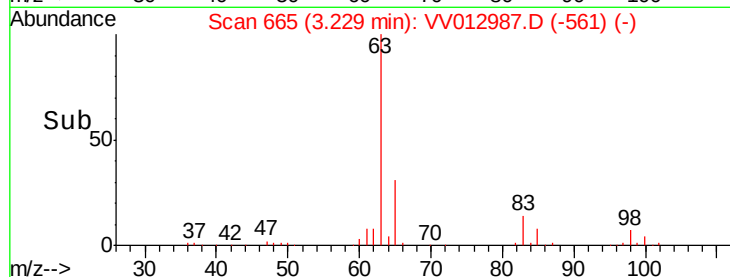
83 13.7 9.2 17.0



Abundance Ion 63.00 (62.70 to 63.70): VV012987.D (-646) (-)

Ion 65.00 (64.70 to 65.70): VV012987.D (-646) (-)

Ion 83.00 (82.70 to 83.70): VV012987.D (-646) (-)



#21

2-Butanone

Concen: 46.311 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.02 min

Lab File: VV012987.D

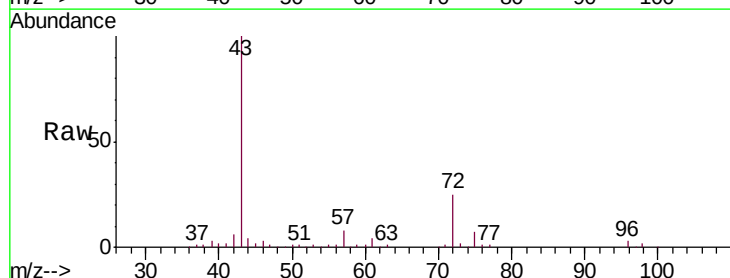
Acq: 25 Sep 2019 20:01

Tgt Ion: 43 Resp: 217505

Ion Ratio Lower Upper

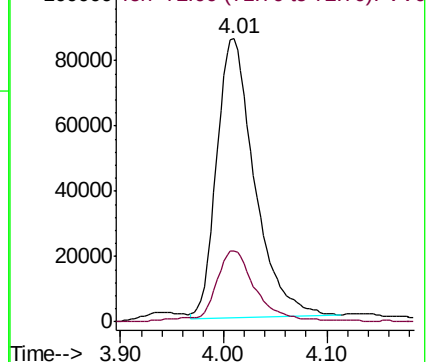
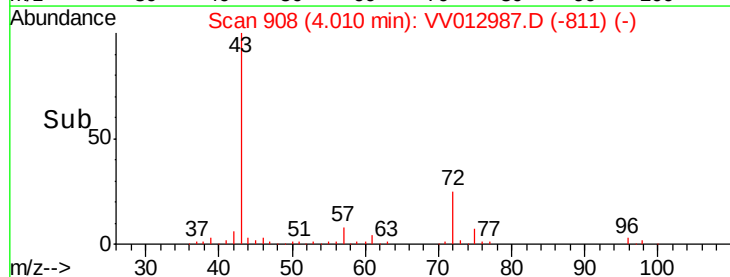
43 100

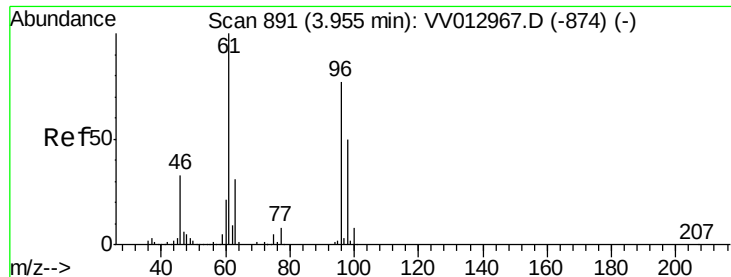
72 23.8 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV012987.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV012987.D (-811) (-)



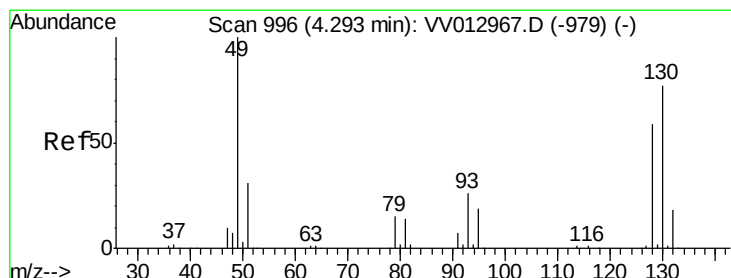
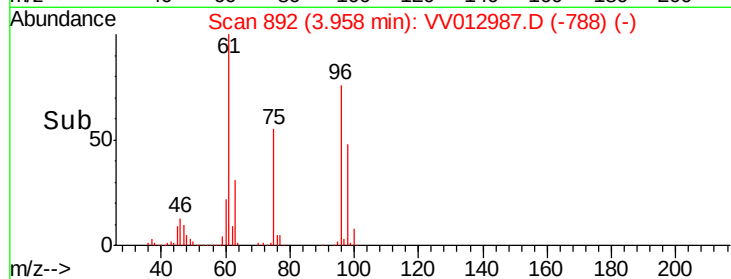
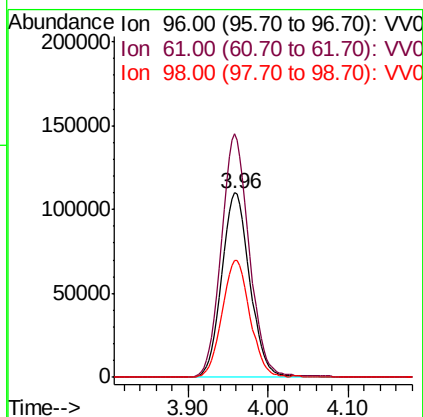
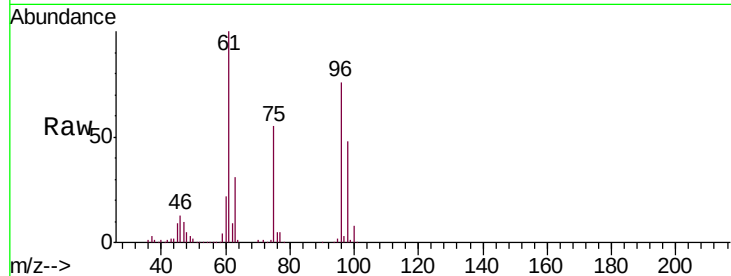


#22

cis-1,2-Dichloroethene
 Concen: 25.788 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

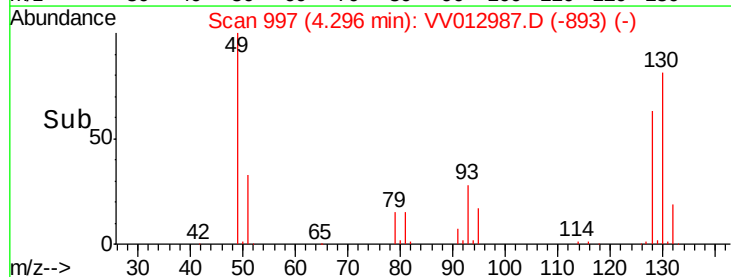
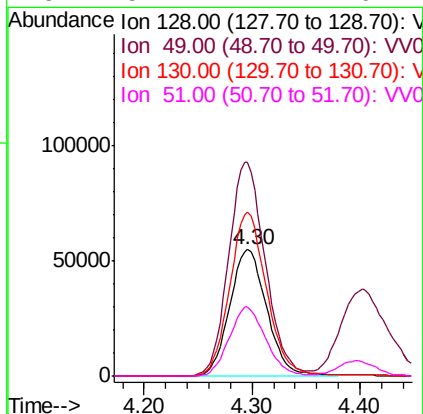
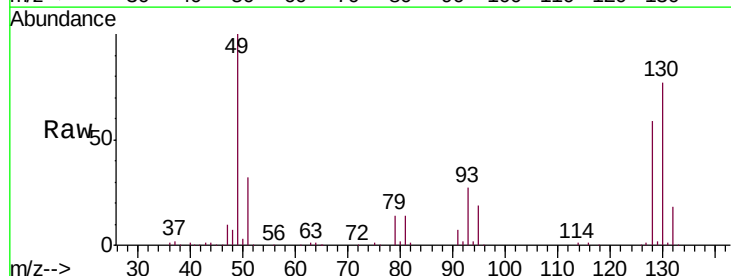
Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.1	90.9	168.7
98	63.2	45.6	84.6

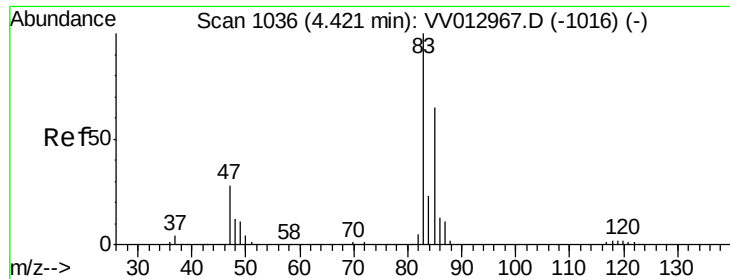


#23

Bromochloromethane
 Concen: 25.746 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.4	114.4	212.6
130	129.8	88.5	164.4
51	54.2	41.4	62.2

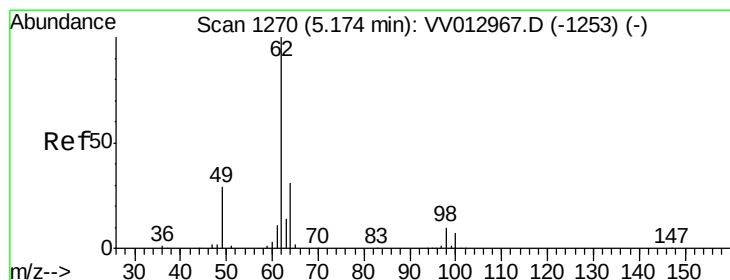
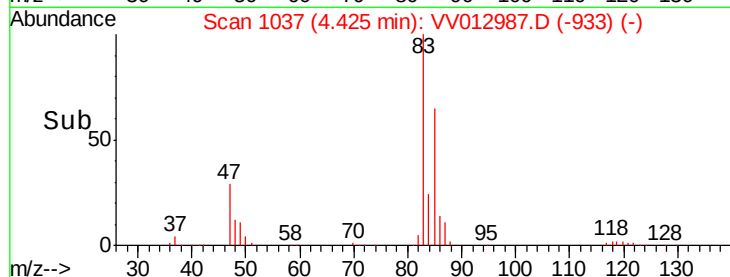
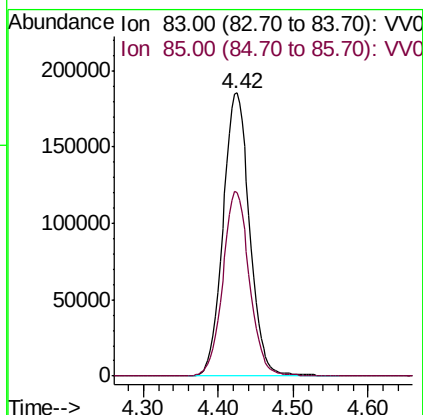
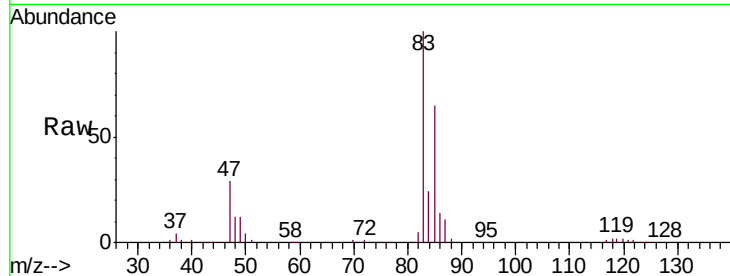




#25
Chloroform
Concen: 25.150 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

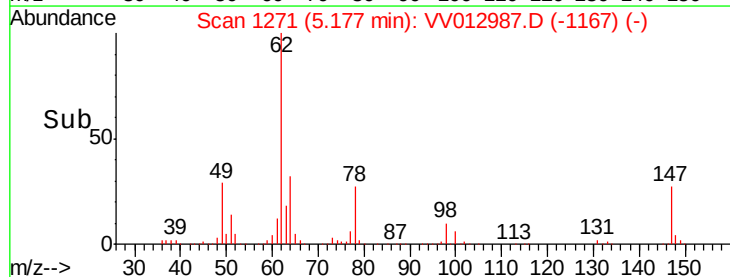
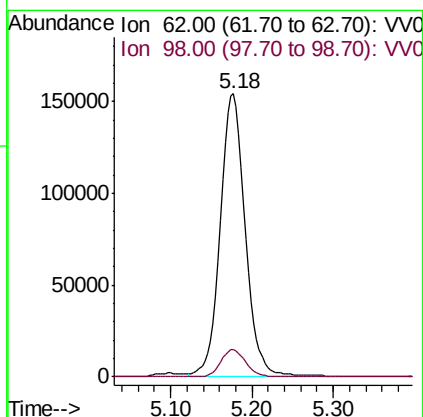
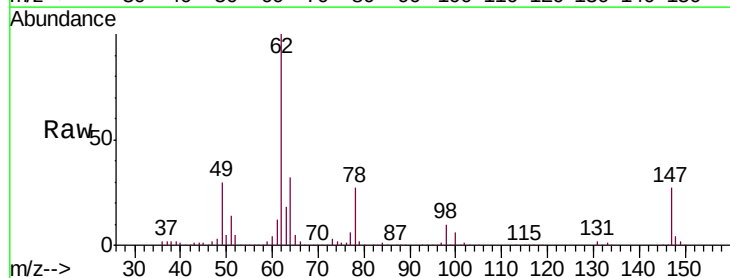
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

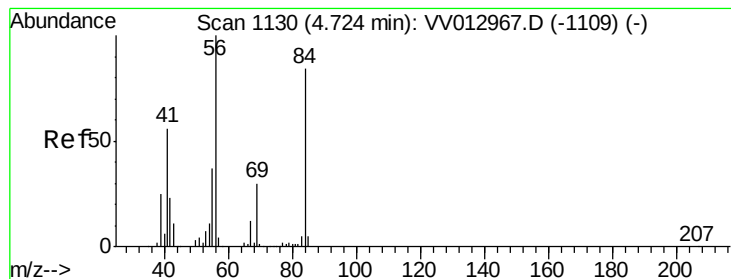
Tgt Ion: 83 Resp: 456351
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.0



#27
1,2-Dichloroethane
Concen: 26.135 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

Tgt Ion: 62 Resp: 335168
Ion Ratio Lower Upper
62 100
98 9.7 8.2 12.4





#30

Cyclohexane

Concen: 23.278 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

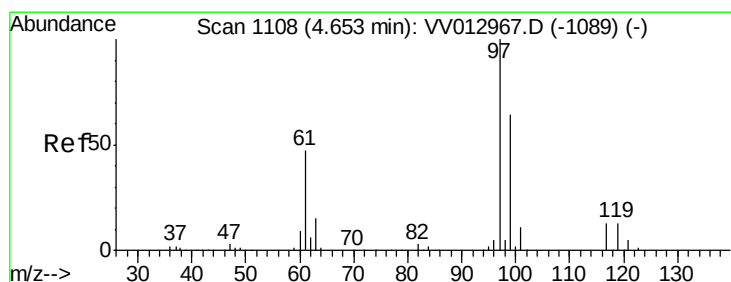
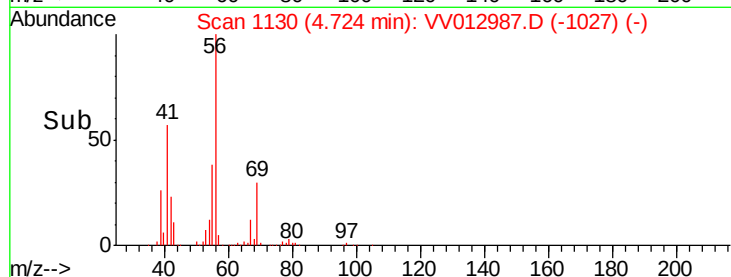
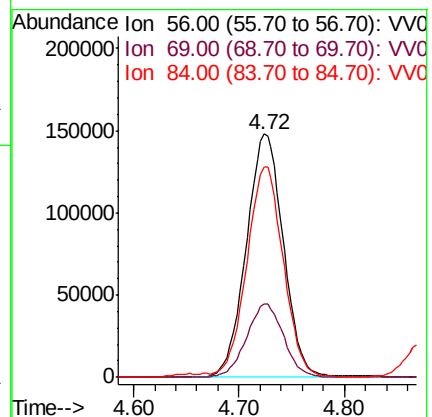
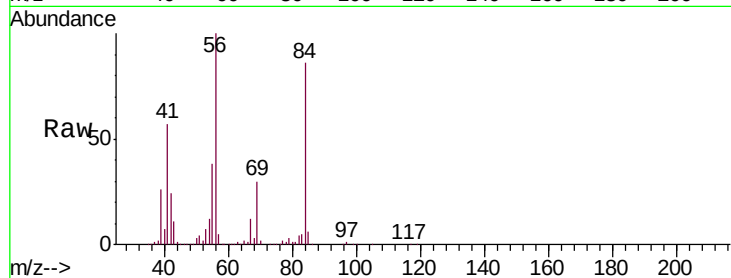
Tgt Ion: 56 Resp: 361827

Ion Ratio Lower Upper

56 100

69 30.1 23.8 35.8

84 84.6 68.4 102.6



#31

1,1,1-Trichloroethane

Concen: 23.252 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

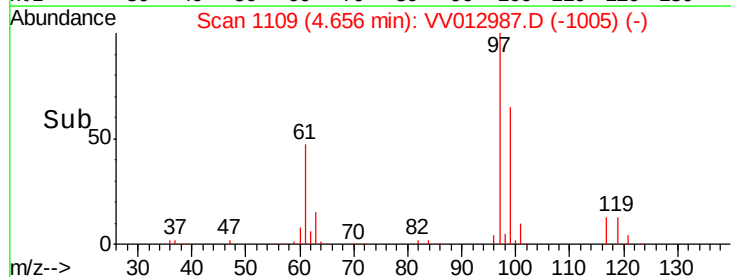
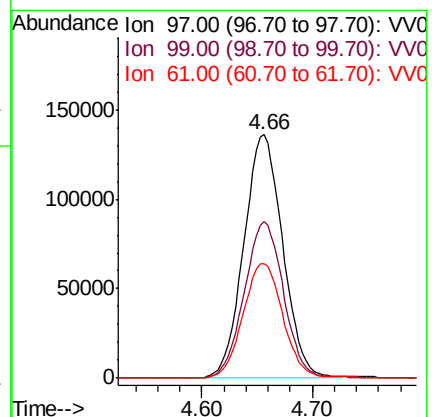
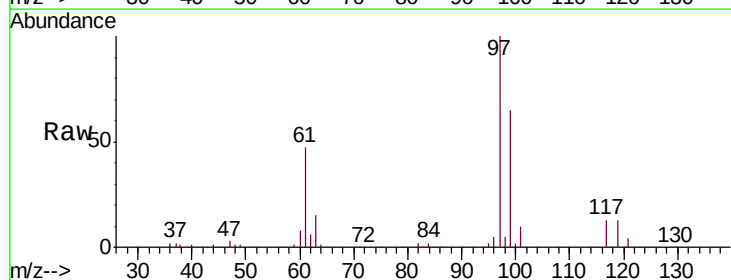
Tgt Ion: 97 Resp: 333414

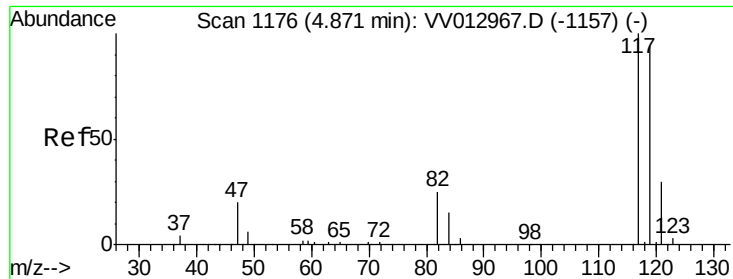
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 48.0 37.8 56.8





#32

Carbon tetrachloride

Concen: 22.841 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

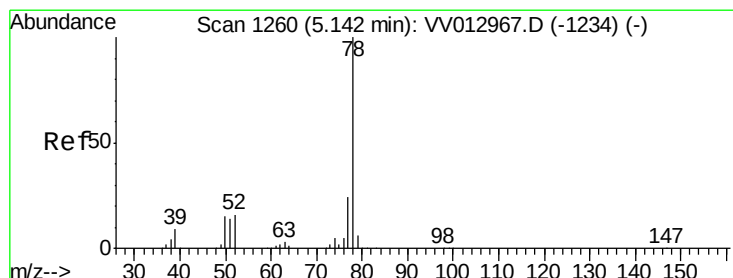
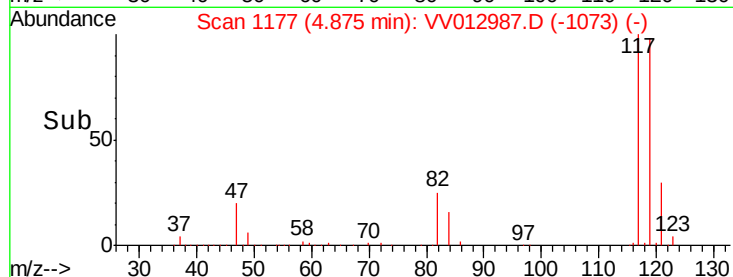
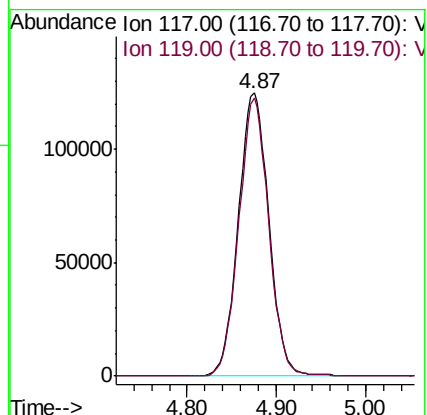
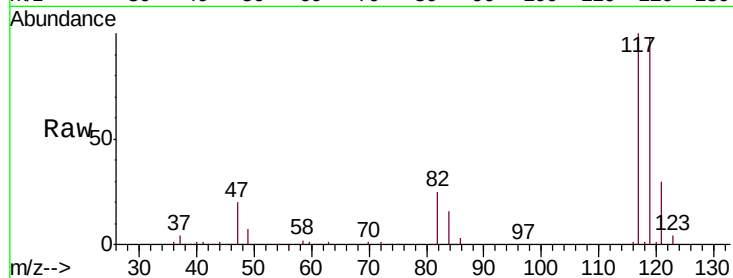
VSTD02572

Tgt Ion:117 Resp: 296977

Ion Ratio Lower Upper

117 100

119 96.1 76.0 114.0



#34

Benzene

Concen: 24.796 ug/L

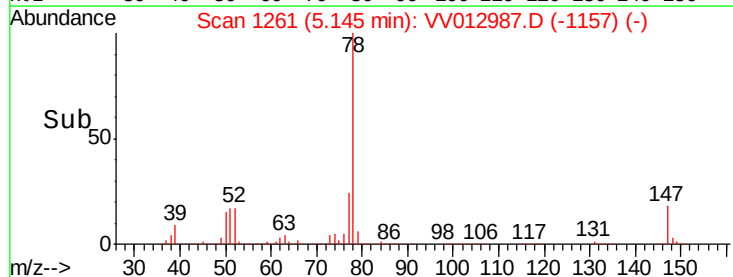
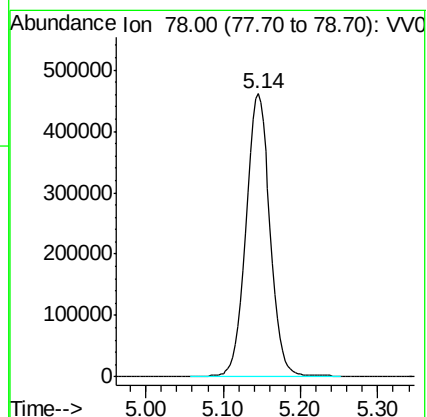
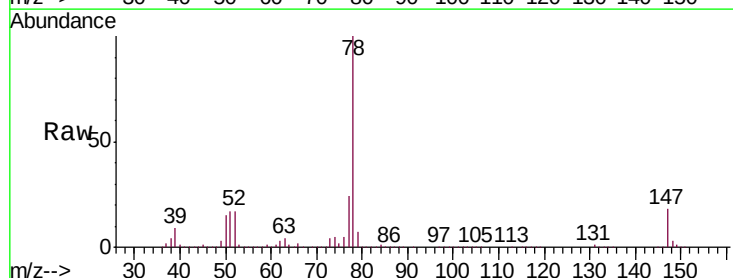
RT: 5.14 min Scan# 1261

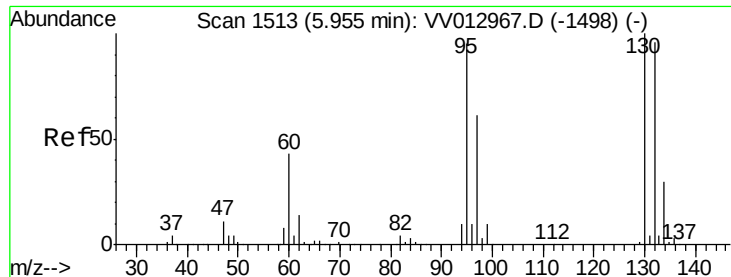
Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Tgt Ion: 78 Resp: 1000011





#35

Trichloroethene

Concen: 23.098 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

Tgt Ion: 95 Resp: 259495

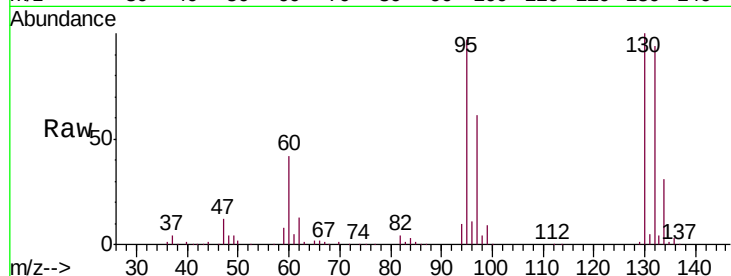
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 98.5 70.1 130.1

130 103.9 73.3 136.1

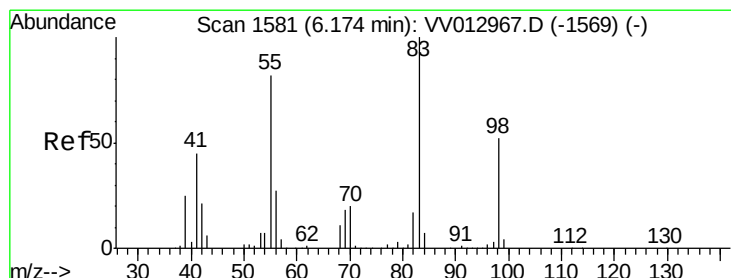
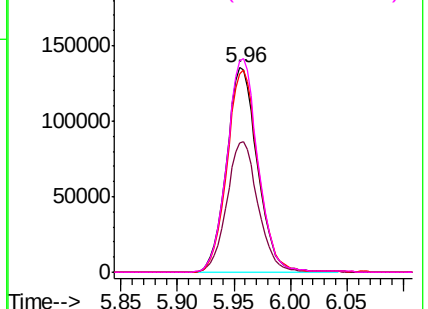
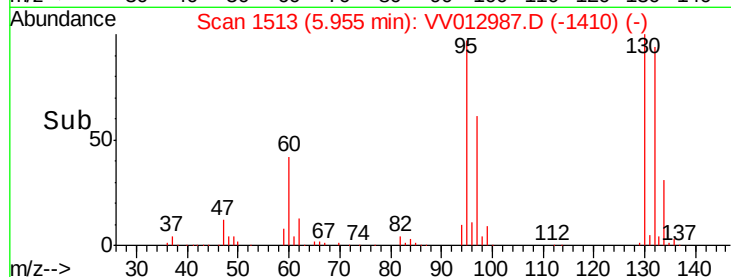


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 22.842 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

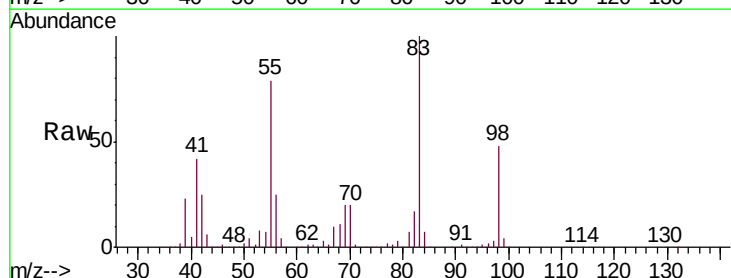
Tgt Ion: 83 Resp: 393938

Ion Ratio Lower Upper

83 100

55 78.2 61.8 92.8

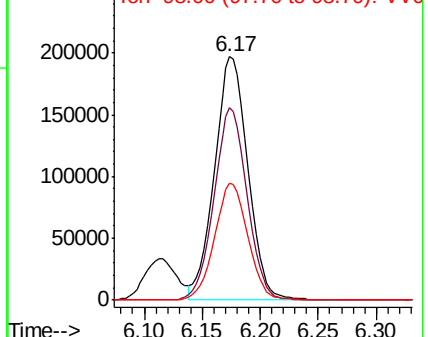
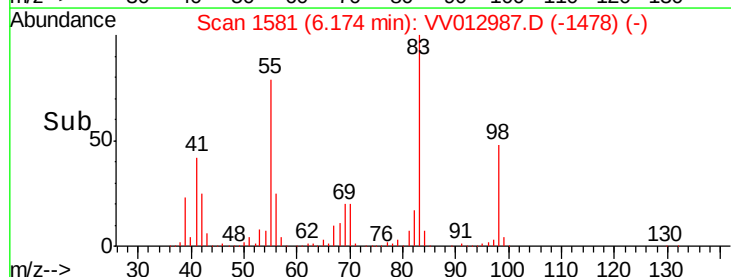
98 48.2 39.3 58.9

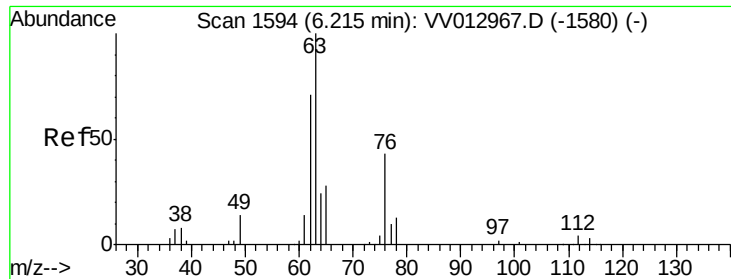


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.030 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

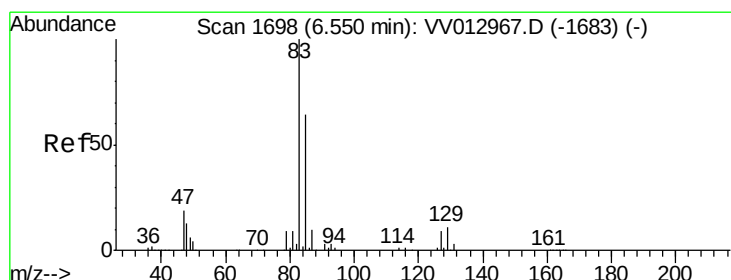
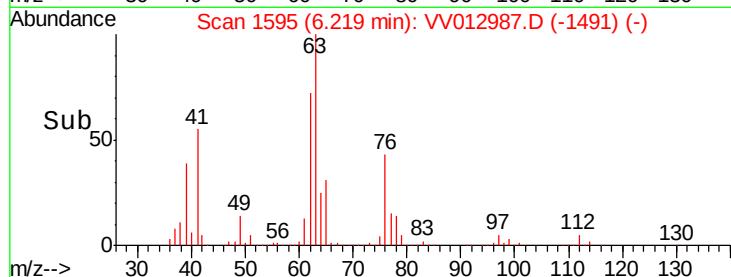
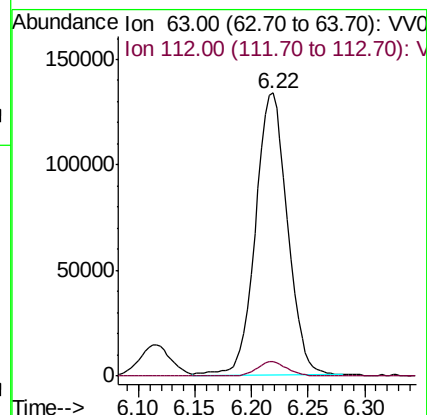
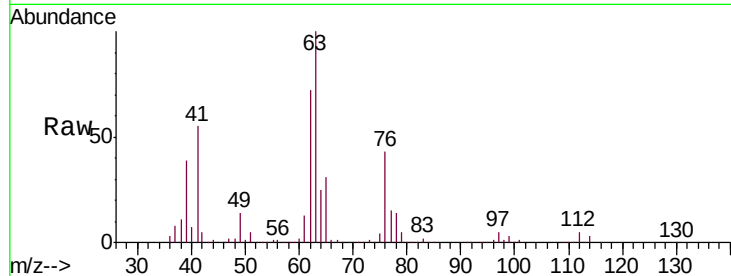
VSTD02572

Tgt Ion: 63 Resp: 262501

Ion Ratio Lower Upper

63 100

112 5.0 3.8 5.6



#41

Bromodichloromethane

Concen: 25.145 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

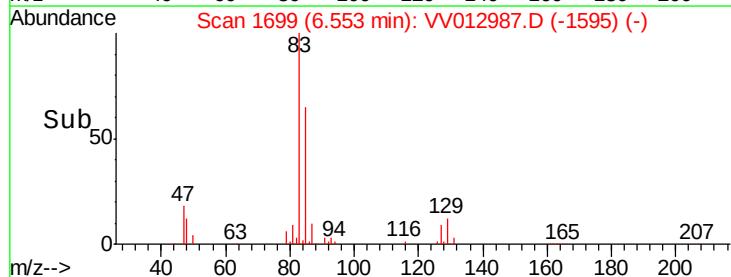
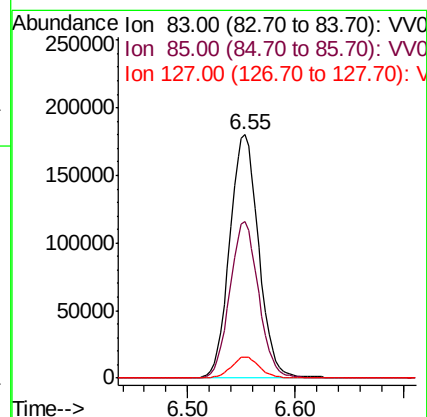
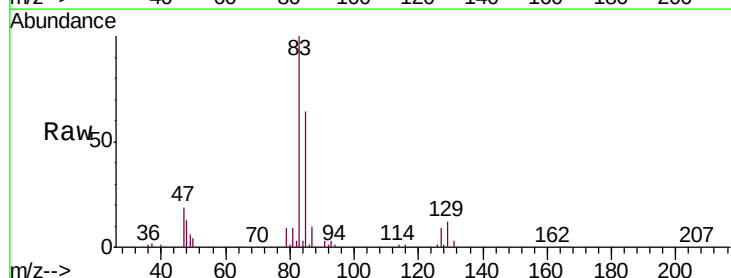
Tgt Ion: 83 Resp: 337778

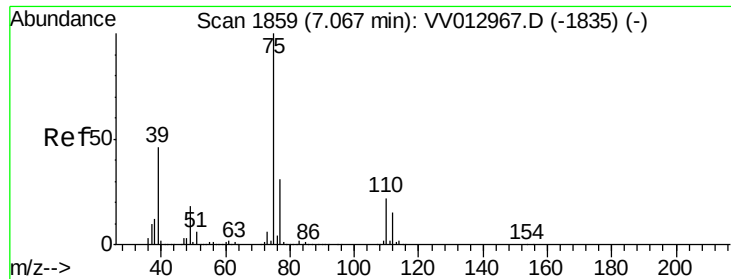
Ion Ratio Lower Upper

83 100

85 64.2 45.3 84.1

127 8.7 7.2 10.8



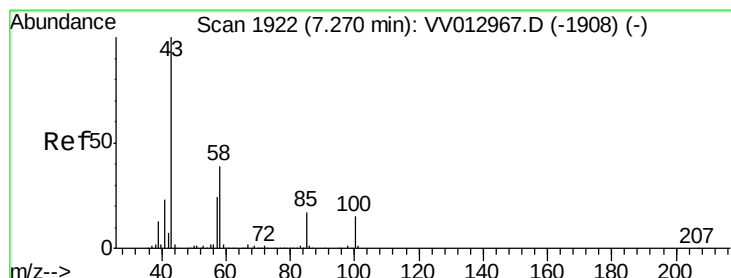
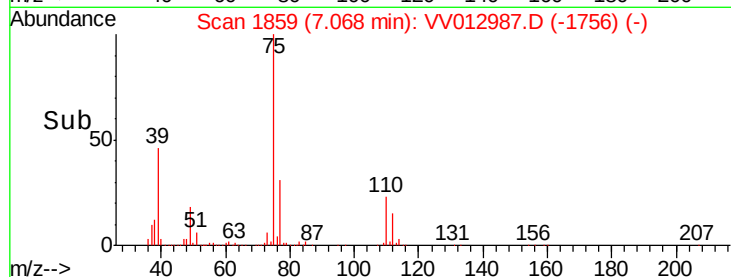
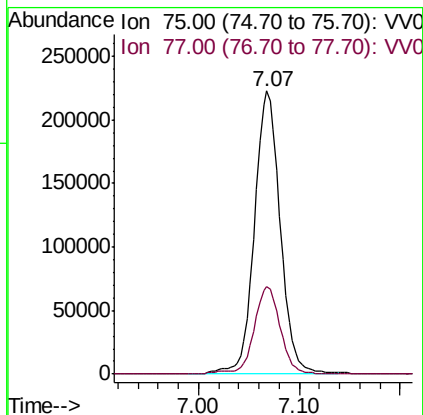
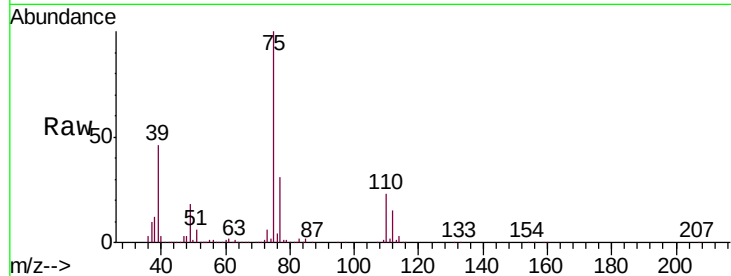


#42

cis-1,3-Dichloropropene
 Concen: 25.543 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

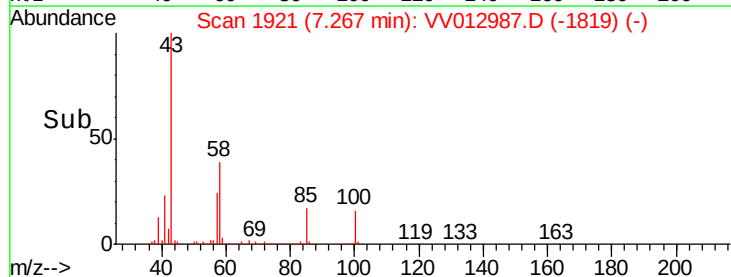
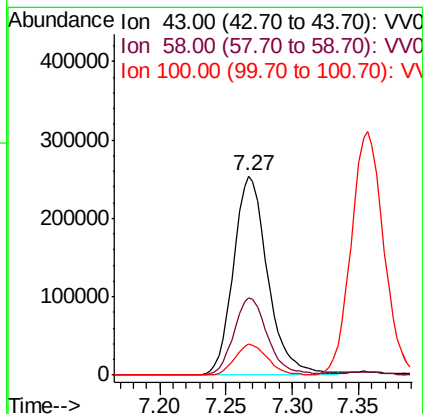
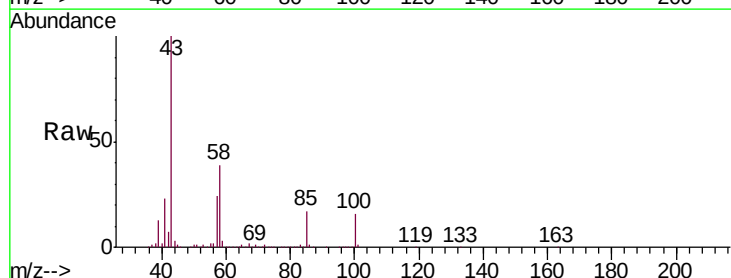
Tgt Ion: 75 Resp: 393614
 Ion Ratio Lower Upper
 75 100
 77 31.2 21.5 39.9

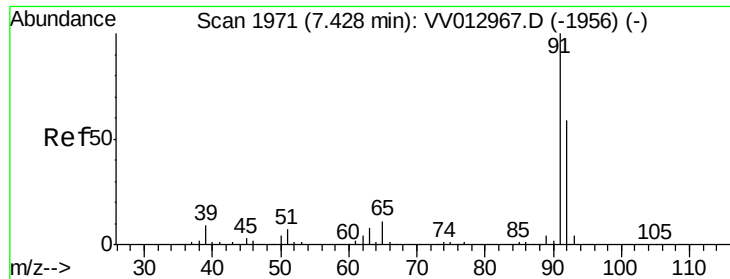


#43

4-Methyl-2-pentanone
 Concen: 52.995 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion: 43 Resp: 456630
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.2 46.8
 100 14.9 12.2 18.2





#44

Toluene

Concen: 25.335 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

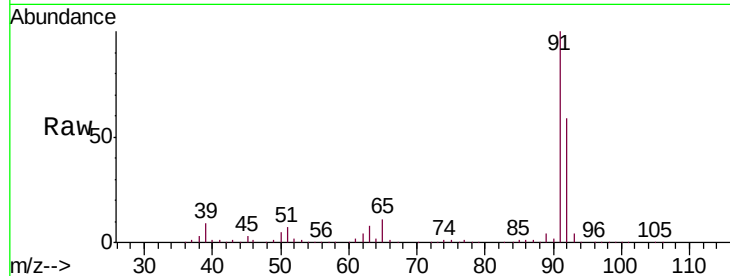
VSTD02572

Tgt Ion: 91 Resp: 1077582

Ion Ratio Lower Upper

91 100

92 58.8 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV012967.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV012967.D (-1956) (-)

7.43

600000

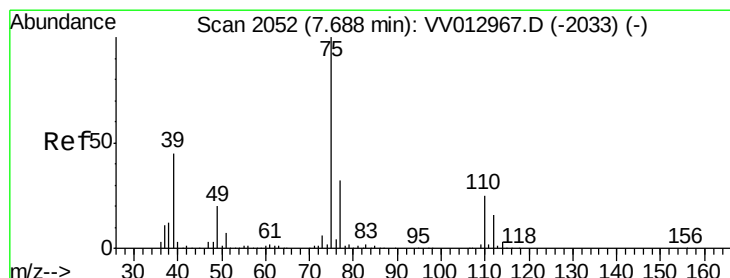
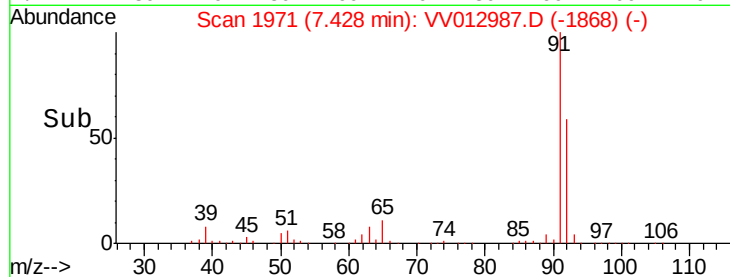
400000

200000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.148 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012987.D

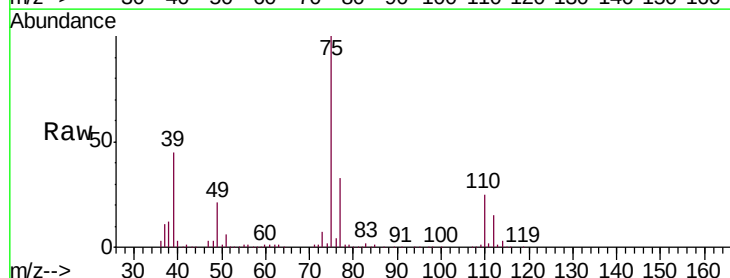
Acq: 25 Sep 2019 20:01

Tgt Ion: 75 Resp: 326165

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV012967.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV012967.D (-2033) (-)

7.69

200000

150000

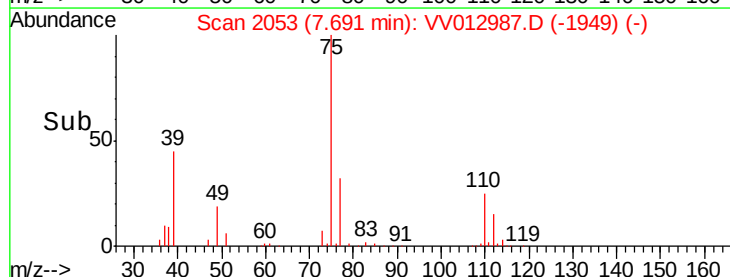
100000

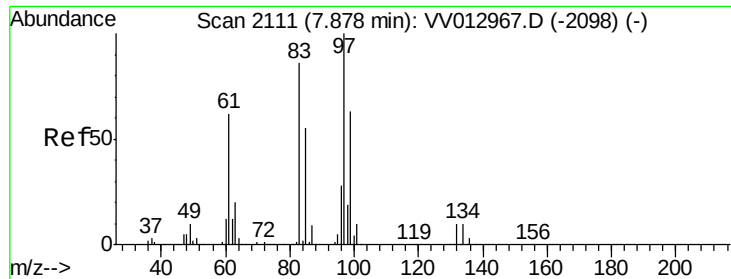
50000

0

7.60 7.70 7.80

Time-->

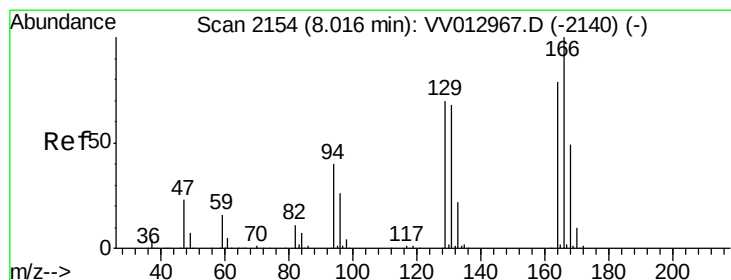
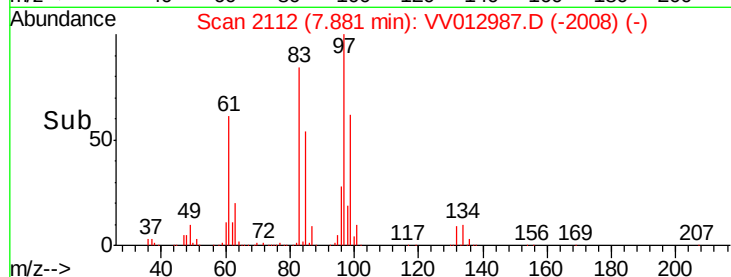
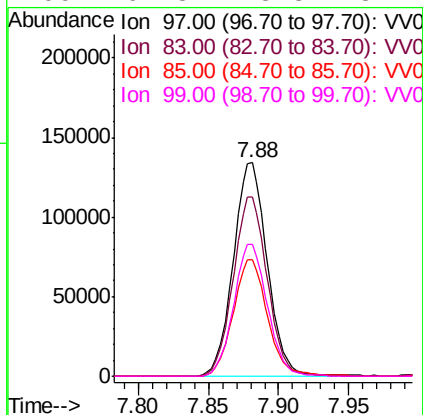
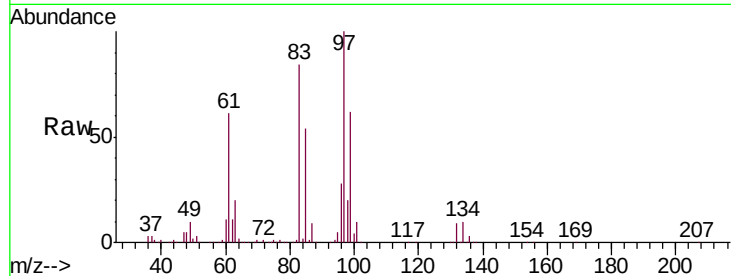




#46
 1,1,2-Trichloroethane
 Concen: 25.334 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

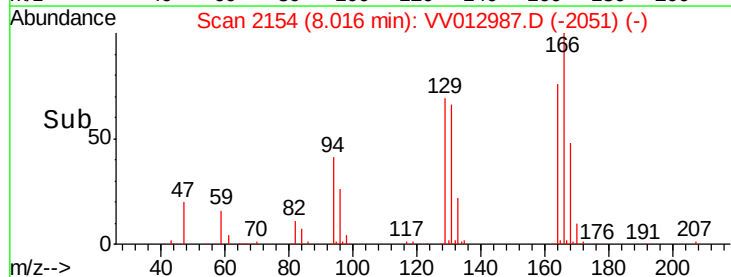
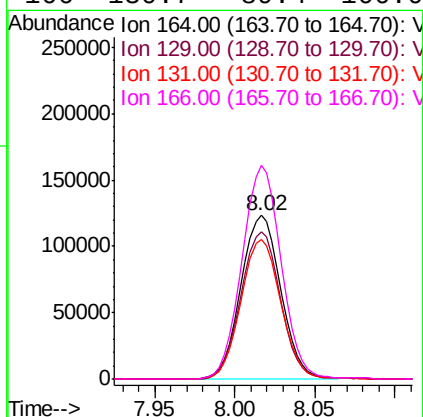
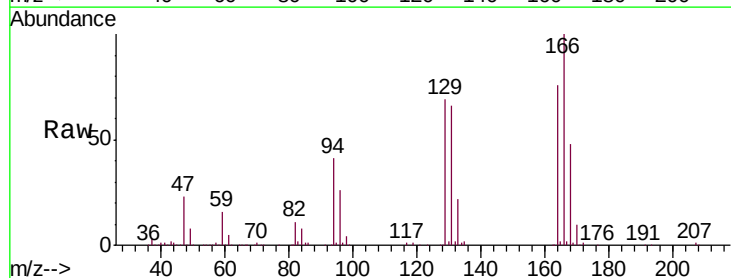
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

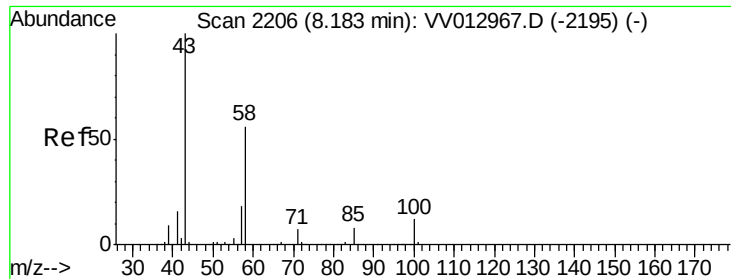
Tgt Ion:	97	Resp:	225562
Ion	Ratio	Lower	Upper
97	100		
83	84.0	58.9	109.5
85	54.4	38.4	71.2
99	61.8	43.8	81.4



#47
 Tetrachloroethene
 Concen: 22.948 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion:	164	Resp:	209535
Ion	Ratio	Lower	Upper
164	100		
129	90.5	62.8	116.6
131	85.7	60.2	111.8
166	130.7	89.4	166.0

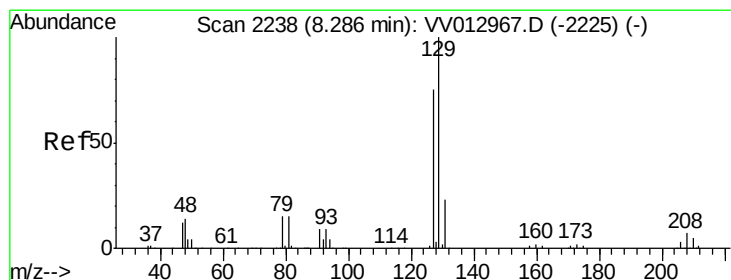
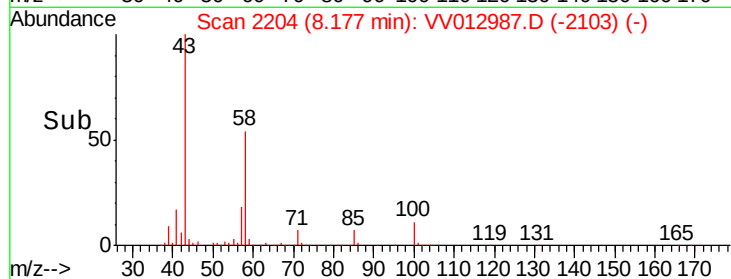
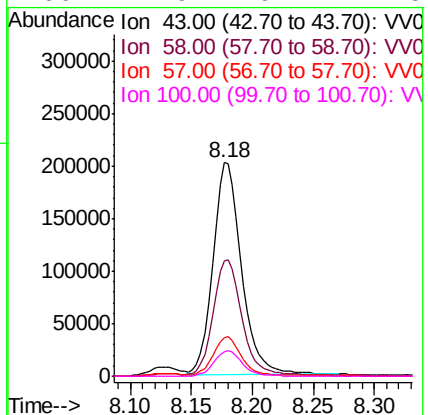
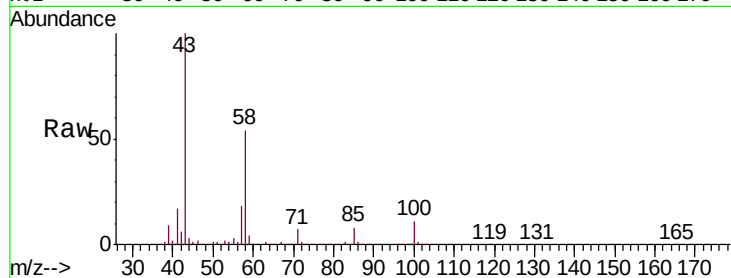




#49
2-Hexanone
Concen: 50.931 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

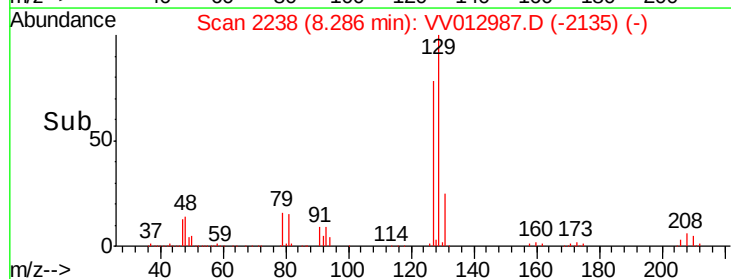
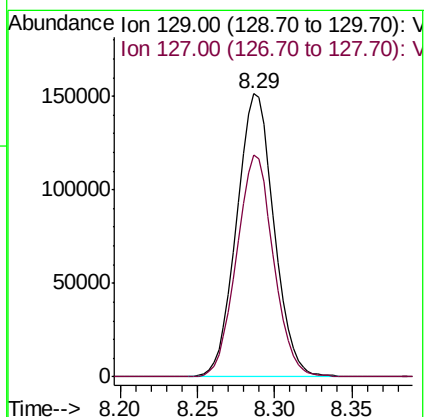
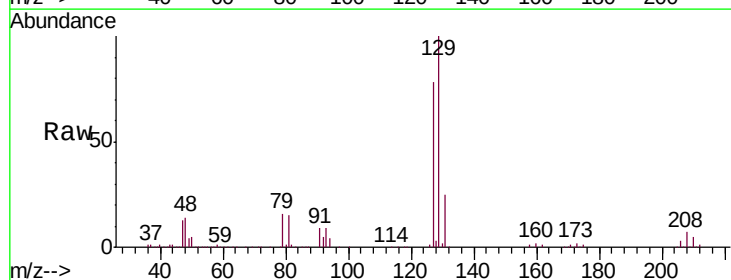
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

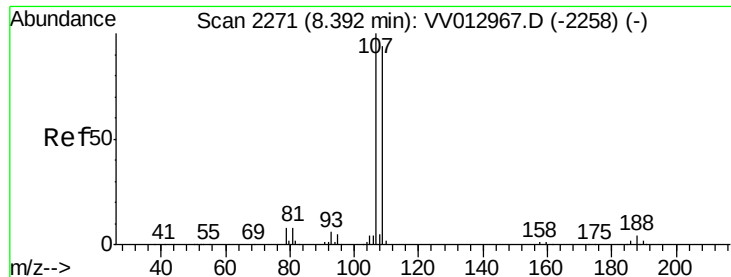
Tgt Ion:	43	Resp:	330797
Ion	Ratio	Lower	Upper
43	100		
58	56.3	46.5	69.7
57	17.6	15.5	23.3
100	11.9	9.7	14.5



#50
Dibromochloromethane
Concen: 24.856 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

Tgt Ion:	129	Resp:	254359
Ion	Ratio	Lower	Upper
129	100		
127	78.3	53.7	99.7

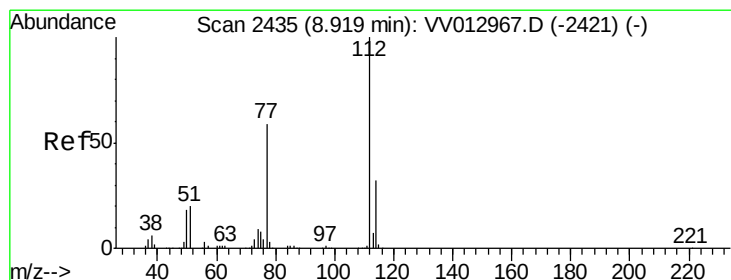
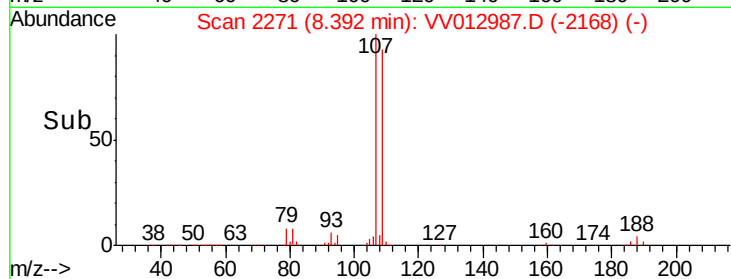
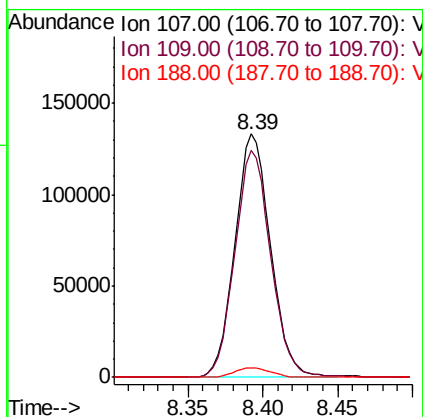
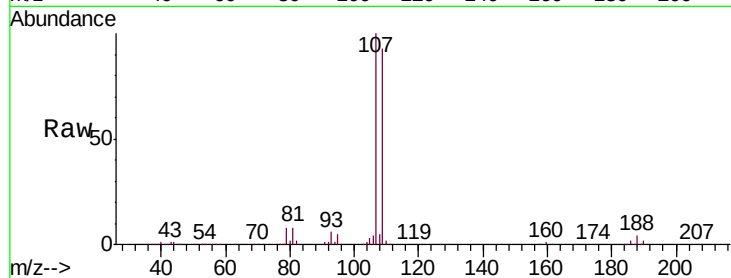




#51
 1,2-Dibromoethane
 Concen: 25.318 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

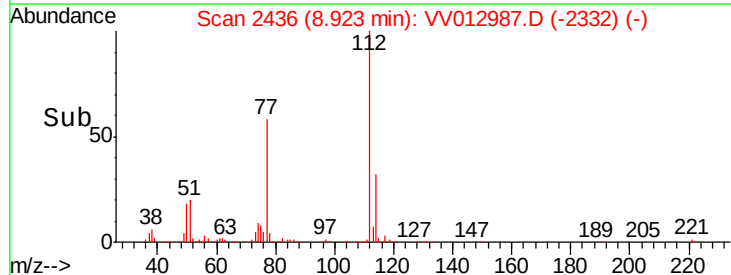
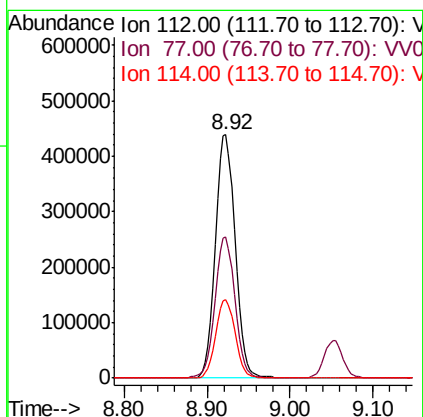
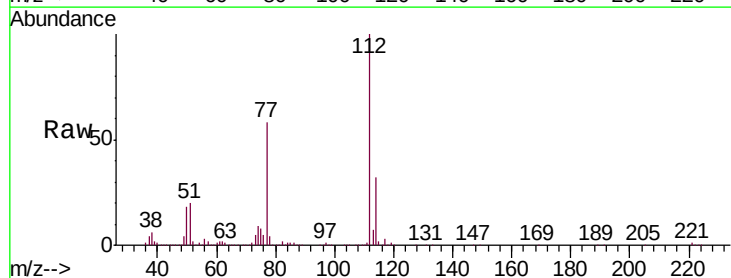
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

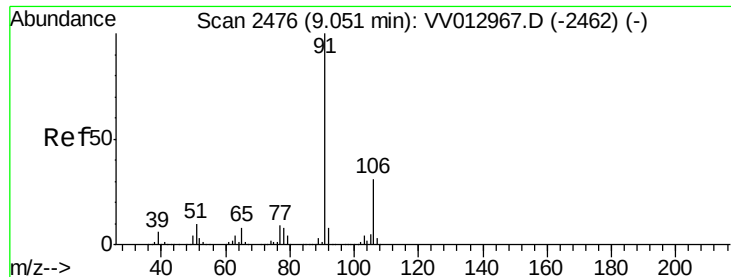
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	220898		
109	93.1	66.1	122.8	
188	3.8	3.1	4.7	



#52
 Chlorobenzene
 Concen: 24.751 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	726493		
77	57.9	46.3	69.5	
114	32.2	22.5	41.7	

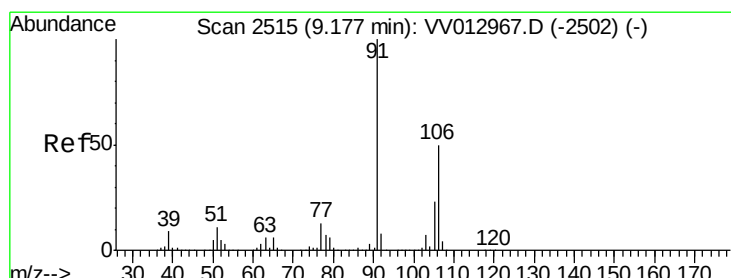
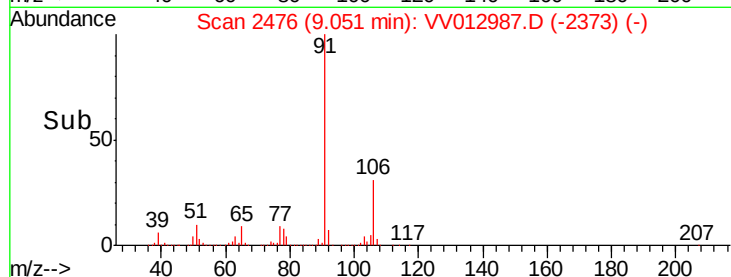
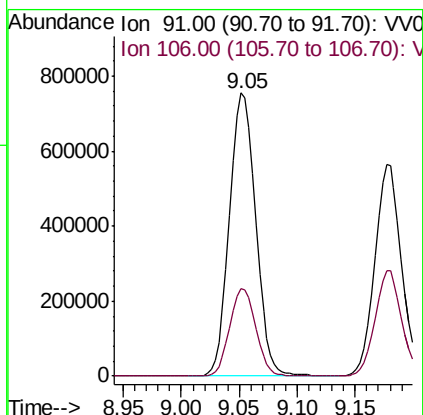
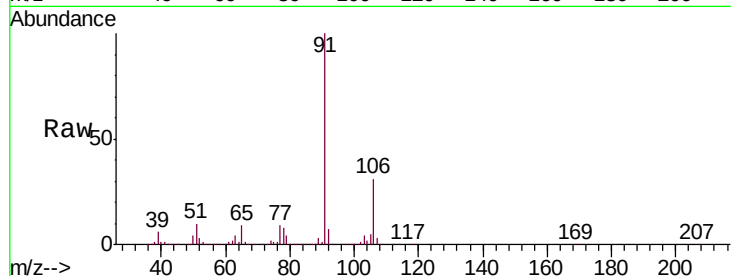




#53
Ethylbenzene
Concen: 25.243 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

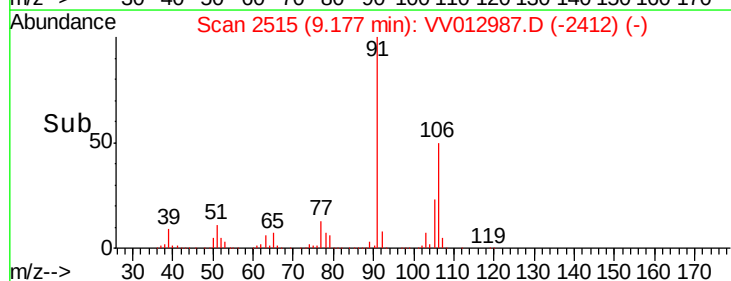
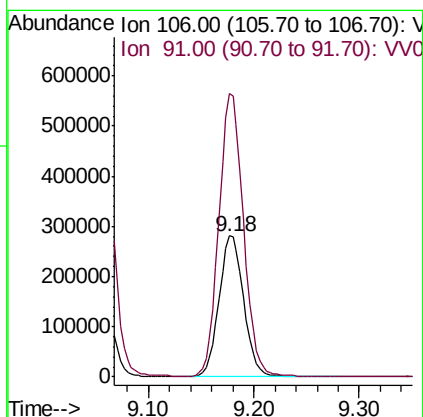
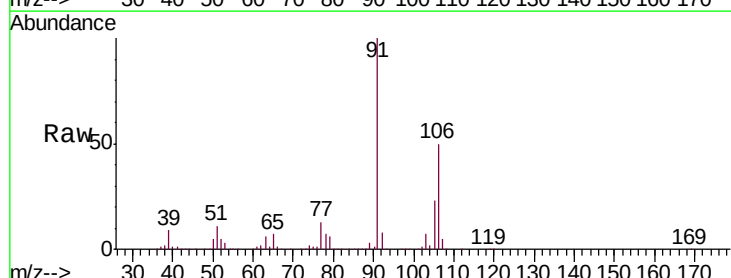
Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

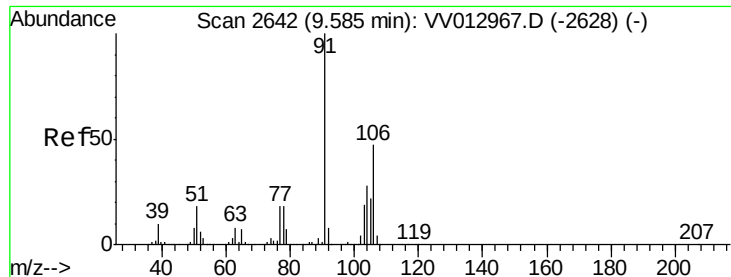
Tgt Ion: 91 Resp: 1182180
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.4



#54
m,p-Xylene
Concen: 25.534 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV012987.D
Acq: 25 Sep 2019 20:01

Tgt Ion: 106 Resp: 454604
Ion Ratio Lower Upper
106 100
91 201.1 140.1 260.3





#55

o-xylene

Concen: 25.864 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

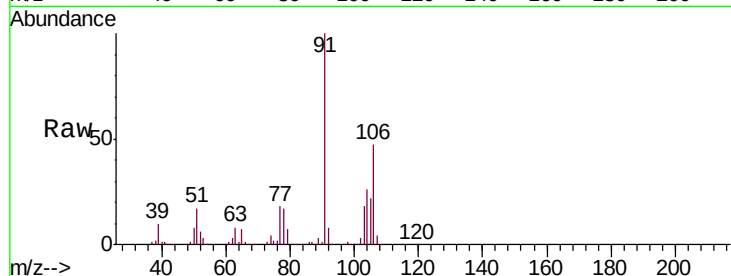
VSTD02572

Tgt Ion:106 Resp: 438752

Ion Ratio Lower Upper

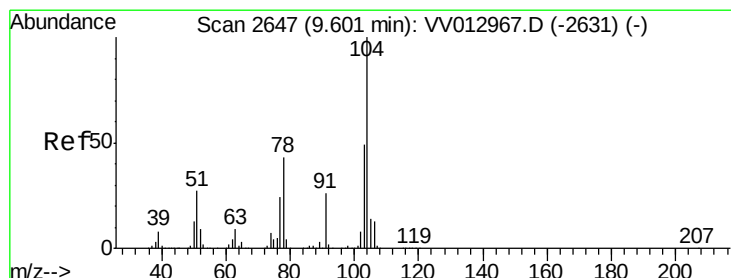
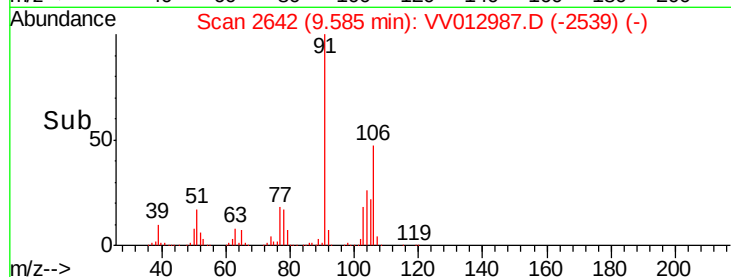
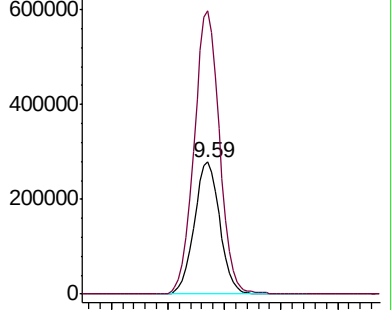
106 100

91 214.6 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.879 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV012987.D

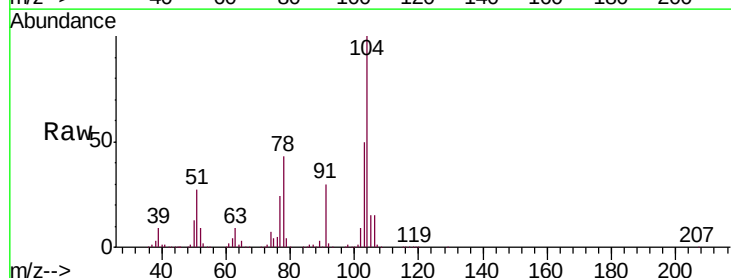
Acq: 25 Sep 2019 20:01

Tgt Ion:104 Resp: 802289

Ion Ratio Lower Upper

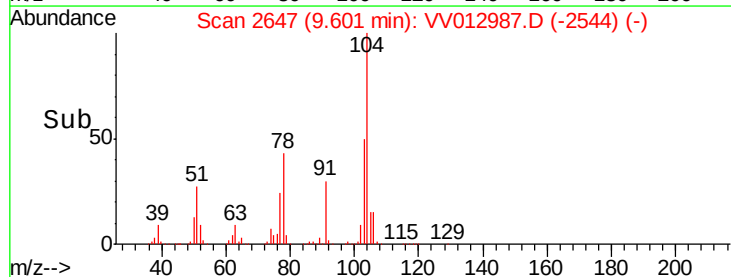
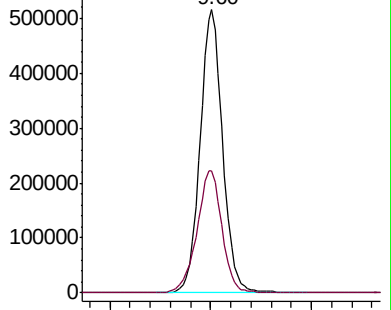
104 100

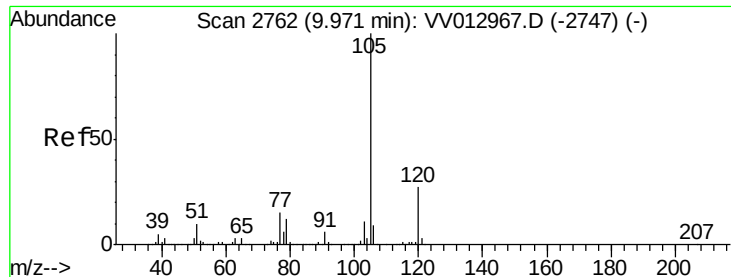
78 43.0 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.470 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

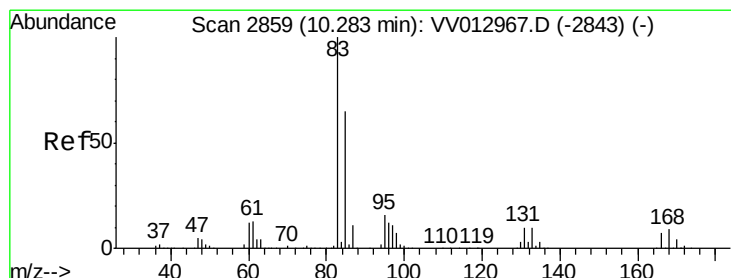
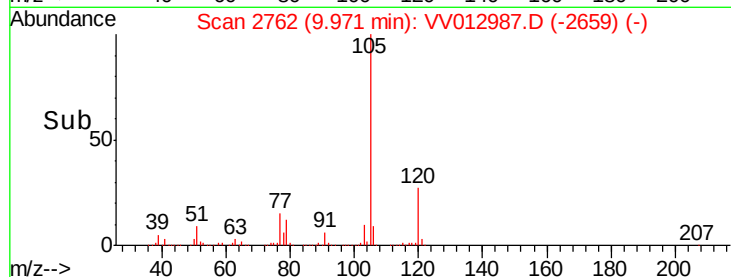
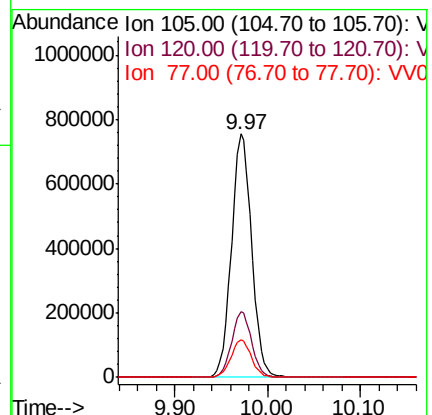
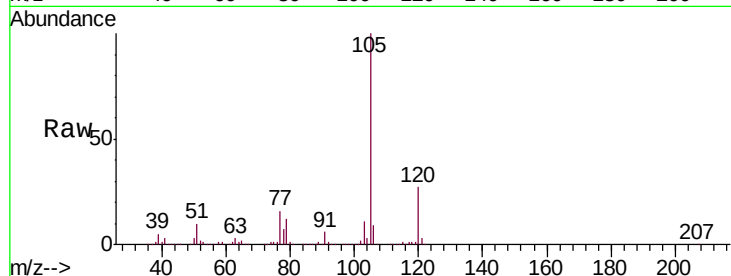
Tgt Ion:105 Resp: 1135518

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

77 15.7 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 25.813 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

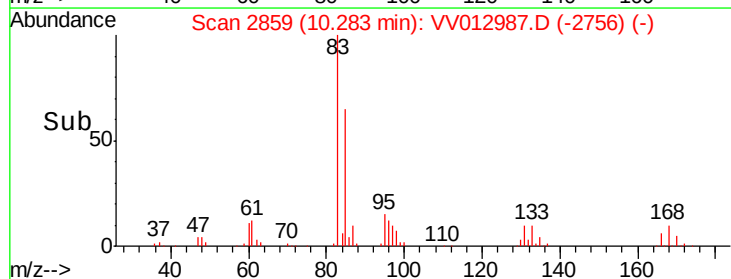
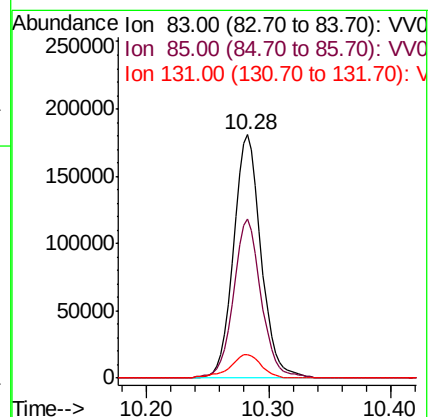
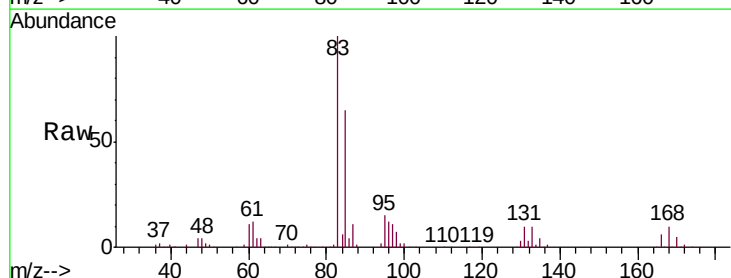
Tgt Ion: 83 Resp: 284289

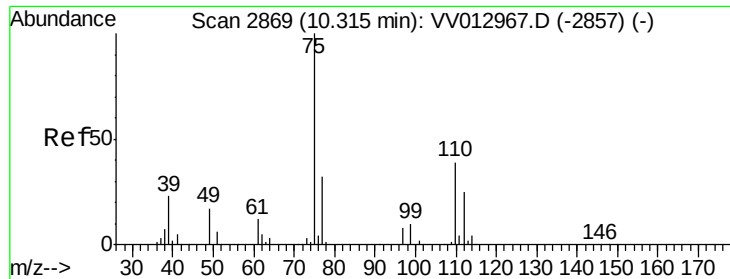
Ion Ratio Lower Upper

83 100

85 65.3 45.4 84.2

131 9.8 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 25.318 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

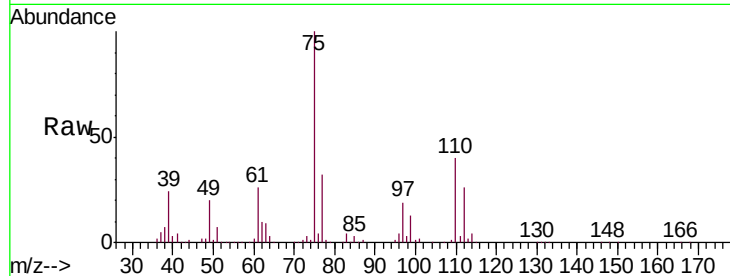
VSTD02572

Tgt Ion: 75 Resp: 230148

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV012967.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012967.D (-2857) (-)

10.32

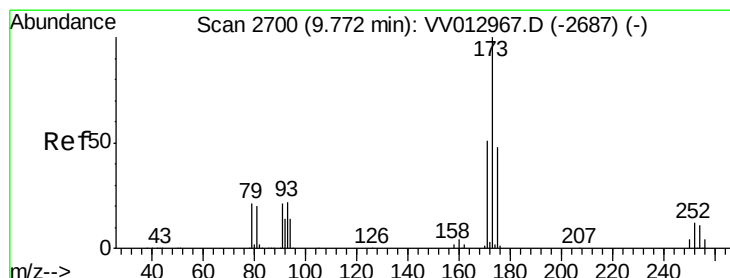
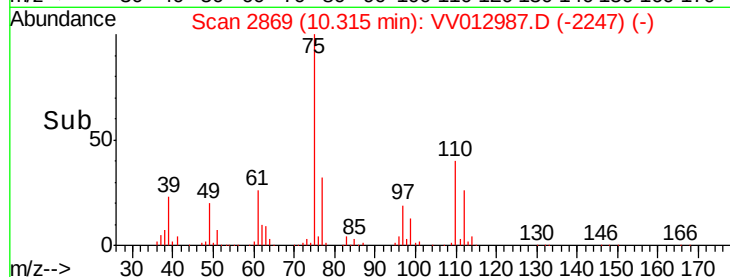
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 24.472 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

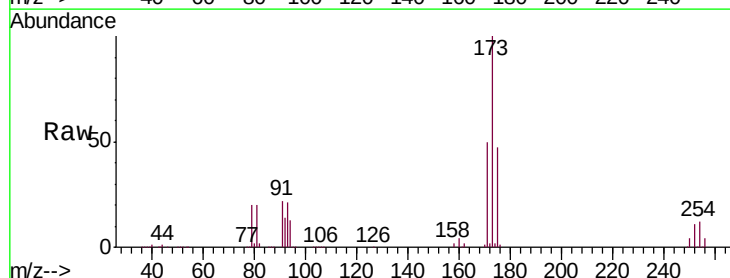
Tgt Ion: 173 Resp: 165087

Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

254 11.6 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): VV012967.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV012967.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV012967.D (-2687) (-)

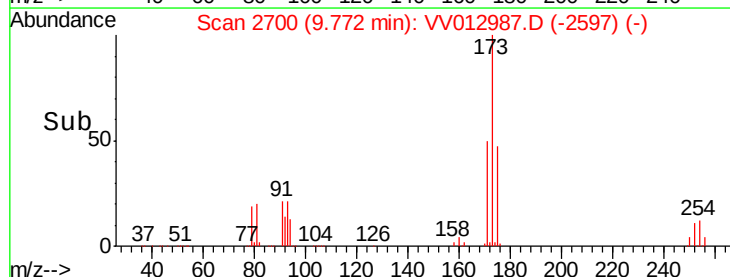
9.77

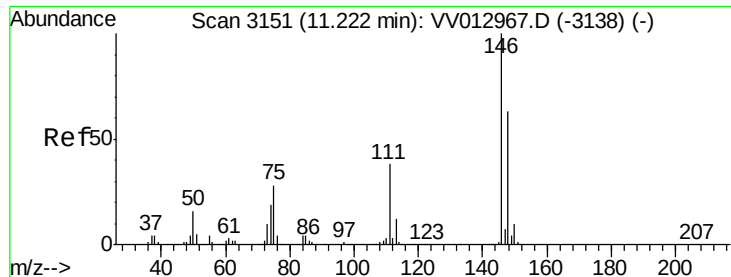
100000

50000

0

Time-->

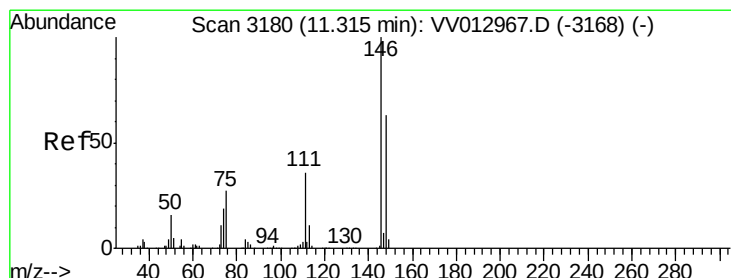
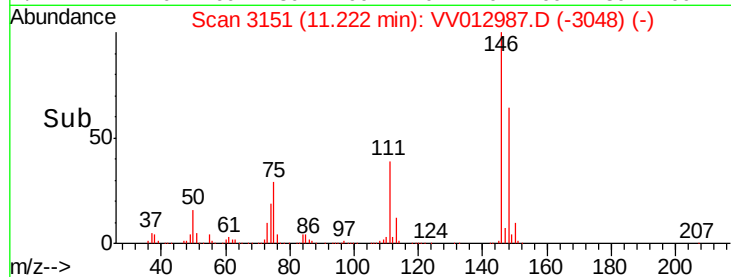
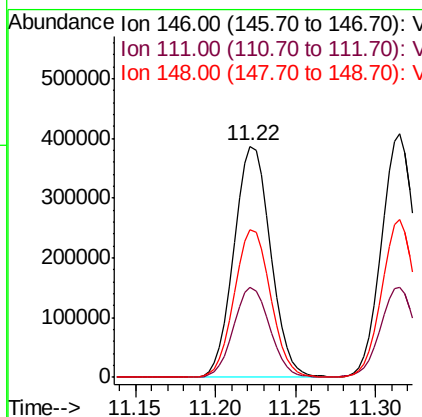
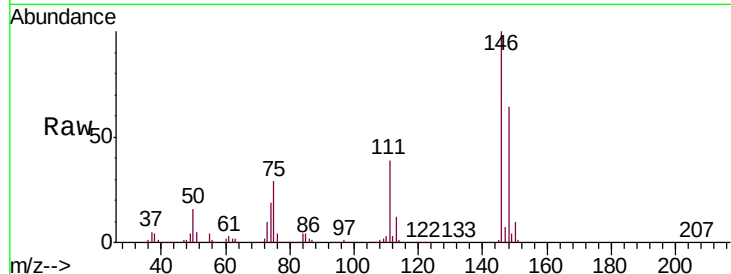




#63
 1,3-Dichlorobenzene
 Concen: 24.642 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

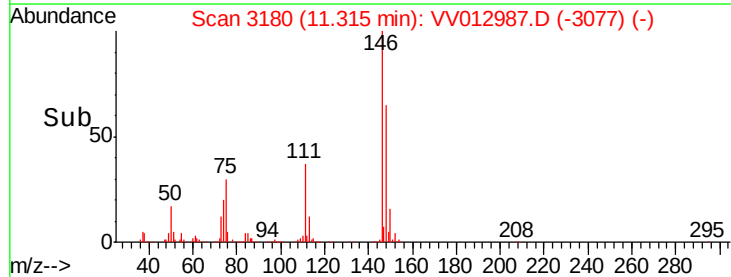
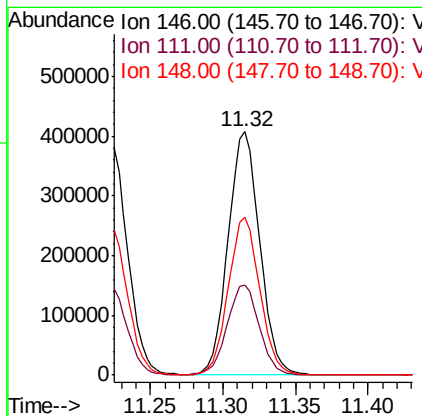
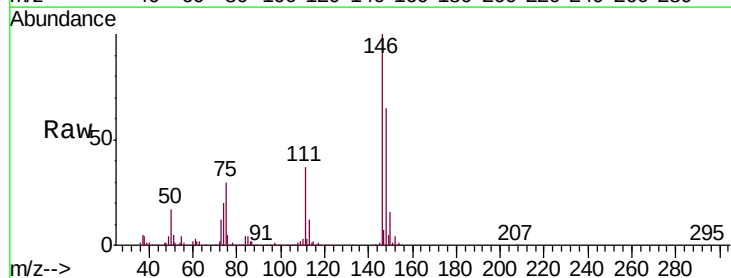
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

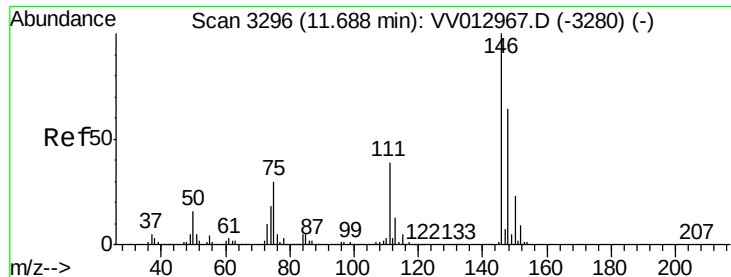
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.7	49.7
148	63.9	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 23.930 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	25.5	47.3
148	64.8	45.1	83.9

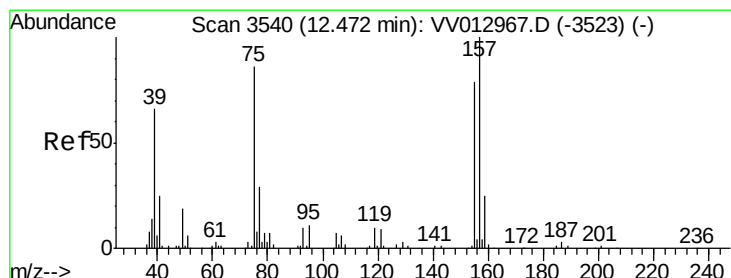
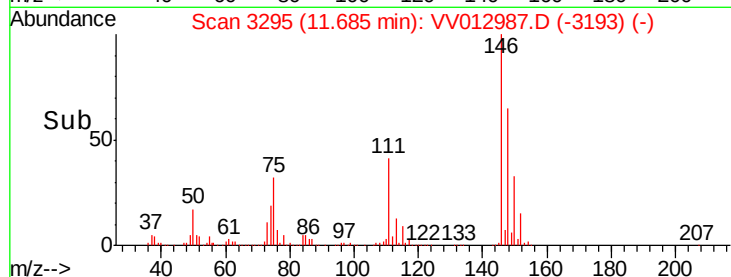
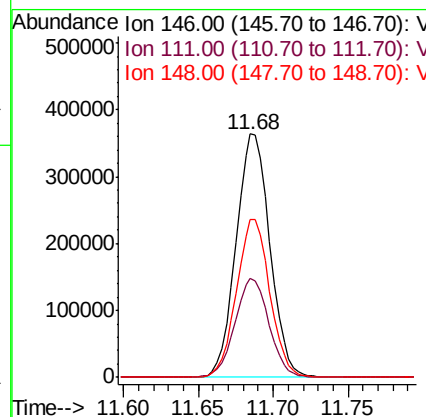
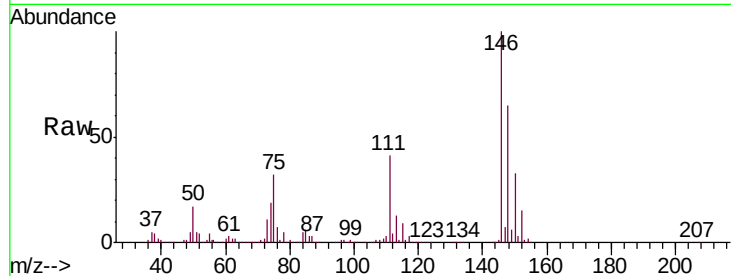




#65
 1,2-Dichlorobenzene
 Concen: 24.546 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

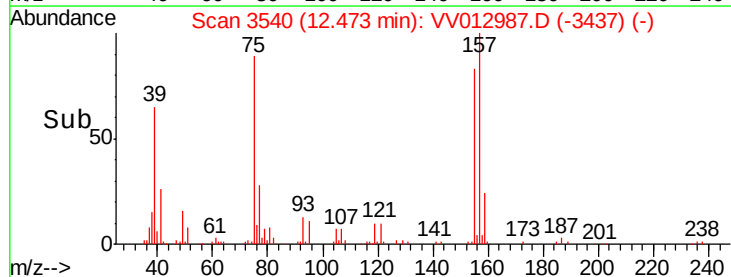
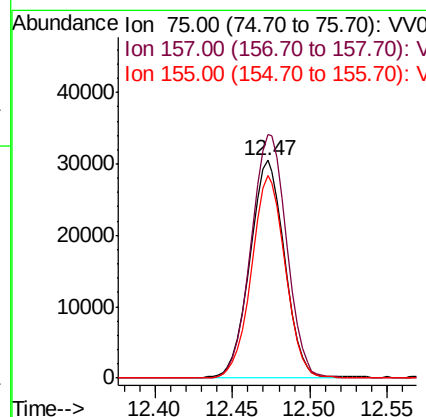
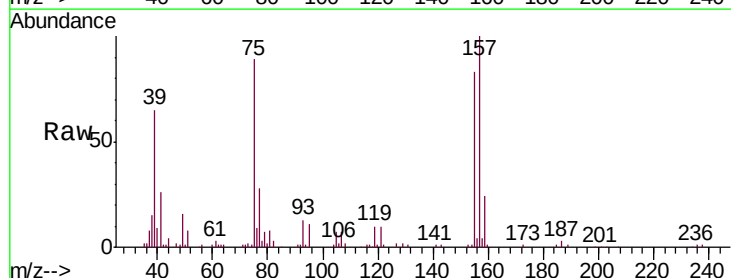
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

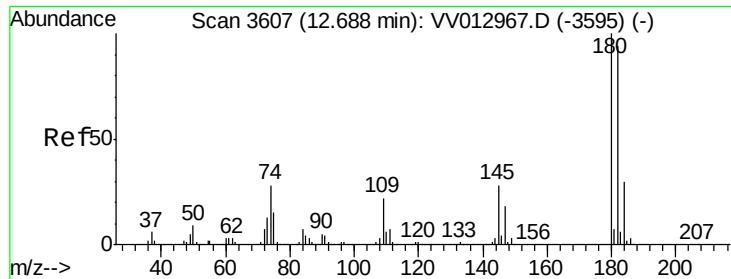
Tgt Ion: 146 Resp: 572935
 Ion Ratio Lower Upper
 146 100
 111 40.6 31.9 47.9
 148 64.7 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.087 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion: 75 Resp: 47776
 Ion Ratio Lower Upper
 75 100
 157 111.8 91.7 137.5
 155 93.0 70.8 106.2

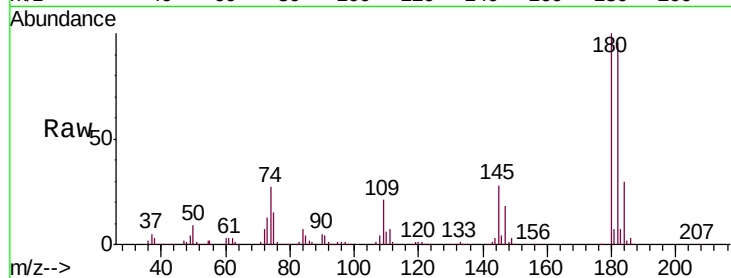




#67
 1,3,5-Trichlorobenzene
 Concen: 23.640 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02572

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
184	30.1	24.6	37.0
145	27.8	22.2	33.4



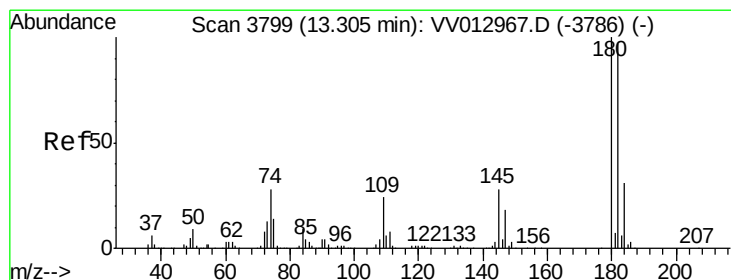
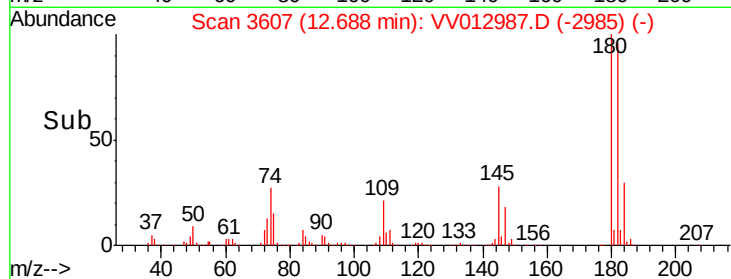
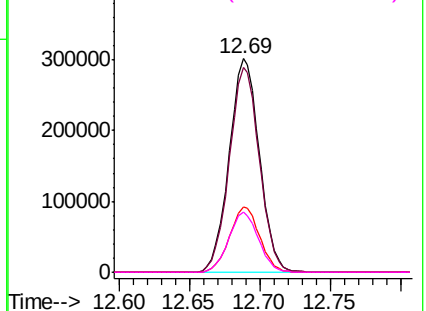
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

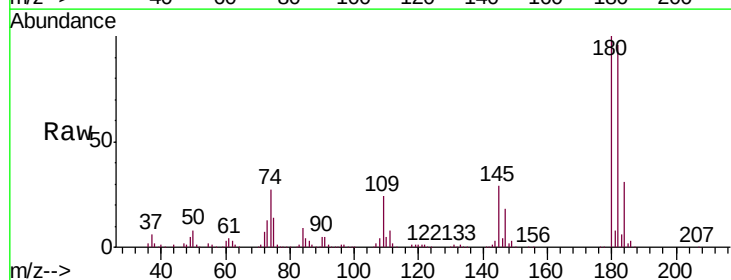
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.308 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV012987.D
 Acq: 25 Sep 2019 20:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	28.6	22.6	34.0

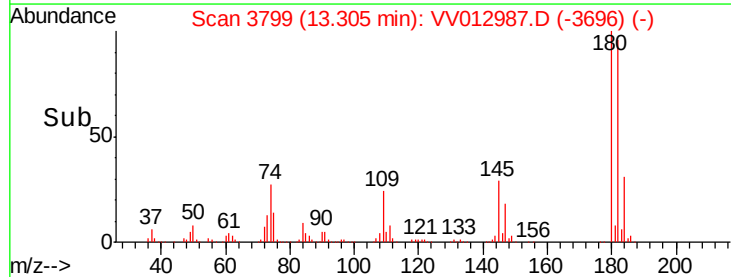
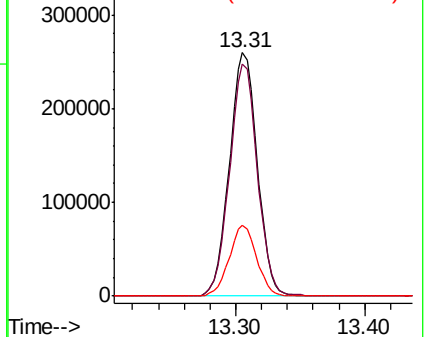


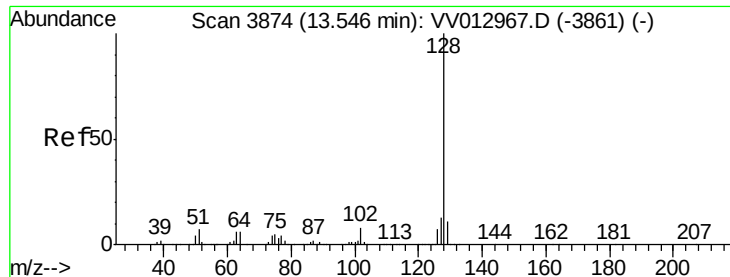
Abundance

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: 24.849 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD02572

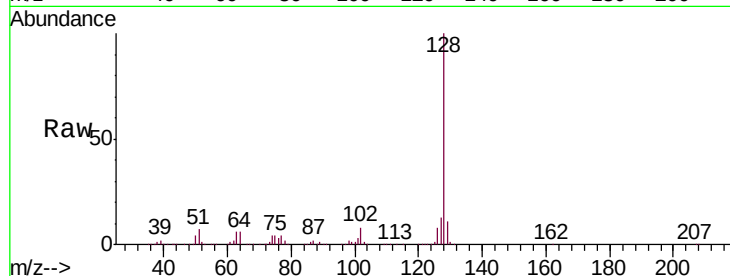
Tgt Ion:128 Resp: 836580

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

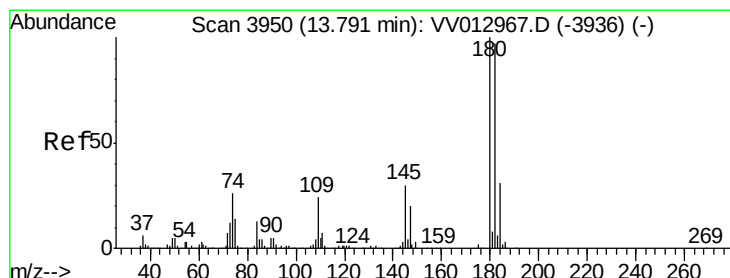
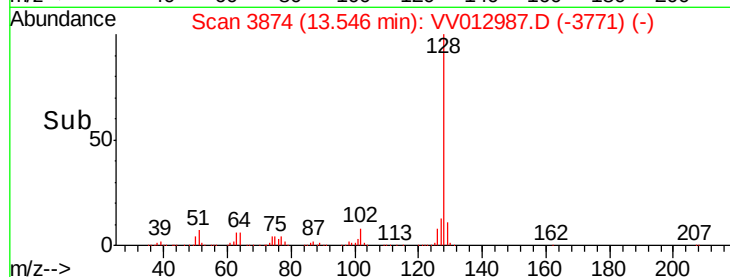
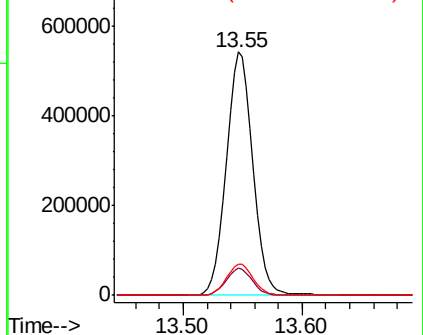
127 13.0 10.2 15.2



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: 24.463 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV012987.D

Acq: 25 Sep 2019 20:01

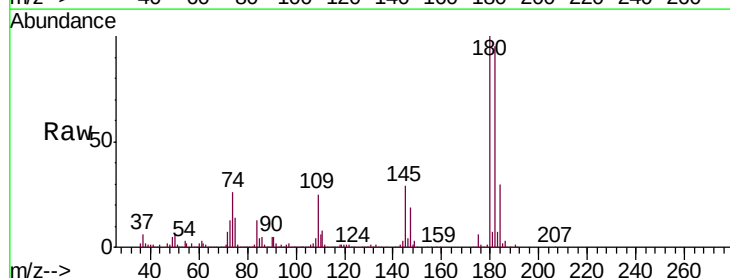
Tgt Ion:180 Resp: 393692

Ion Ratio Lower Upper

180 100

182 95.2 77.4 116.2

145 30.0 23.9 35.9



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

