

Data File : VV013882.D
Acq On : 03 Dec 2019 10:00
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Quant Time: Dec 04 01:01:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 03 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	698707	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	634165	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	345782	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	191508	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.78%
7) Chloroethane-d5	1.57	69	200770	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.13	63	440083	49.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.50%
21) 2-Butanone-d5	3.92	46	276595	97.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.25%
24) Chloroform-d	4.39	84	428426	50.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.96%
26) 1,2-Dichloroethane-d4	5.07	65	256157	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.26%
32) Benzene-d6	5.09	84	833178	50.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.11	67	257544	52.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.42%
41) Toluene-d8	7.35	98	766375	51.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.32%
43) trans-1,3-Dichloropropene-	7.66	79	115880	48.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.56%
47) 2-Hexanone-d5	8.12	63	182408	99.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.04%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	328778	46.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.06%
64) 1,2-Dichlorobenzene-d4	11.67	152	329338	48.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	318655	51.220 ug/L	99
3) Chloromethane	1.25	50	306665	53.917 ug/L	99
5) Vinyl chloride	1.32	62	295752	49.856 ug/L	98
6) Bromomethane	1.52	94	176929	49.331 ug/L	98
8) Chloroethane	1.59	64	199611	50.572 ug/L	98
9) Trichlorofluoromethane	1.76	101	475355	51.522 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	266623	50.738 ug/L	99
12) 1,1-Dichloroethene	2.14	96	257810	50.791 ug/L	95
13) Acetone	2.18	43	448066	107.498 ug/L	98
14) Carbon disulfide	2.31	76	681351	50.901 ug/L	100
15) Methyl Acetate	2.45	43	243337	47.370 ug/L	98
16) Methylene chloride	2.53	84	264051	49.954 ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	241437	48.628 ug/L	97
18) Methyl tert-butyl Ether	2.80	73	708331	49.161 ug/L	100
19) 1,1-Dichloroethane	3.22	63	444683	49.713 ug/L	100
20) cis-1,2-Dichloroethene	3.95	96	266606	49.586 ug/L	97
22) 2-Butanone	4.00	43	420602	105.131 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Tue Dec 03 02:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	149479	50.320	ug/L	98
25) Chloroform	4.42	83	463165	48.434	ug/L	100
27) 1,2-Dichloroethane	5.17	62	356209	51.694	ug/L	100
29) Cyclohexane	4.72	56	386517	52.167	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	396703	51.818	ug/L	99
31) Carbon tetrachloride	4.87	117	366345	53.569	ug/L	99
33) Benzene	5.14	78	1009700	53.464	ug/L	100
34) Trichloroethene	5.95	95	274977	54.287	ug/L	99
35) Methylcyclohexane	6.17	83	416249	54.770	ug/L	99
37) 1,2-Dichloropropane	6.21	63	255589	55.918	ug/L	99
38) Bromodichloromethane	6.55	83	335001	51.680	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	378503	52.602	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	615418	103.542	ug/L	100
42) Toluene	7.42	91	1044829	53.621	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	333802	51.228	ug/L	98
45) 1,1,2-Trichloroethane	7.87	97	242511	53.452	ug/L	98
46) Tetrachloroethene	8.01	164	239246	52.343	ug/L	99
48) 2-Hexanone	8.17	43	519828	109.332	ug/L	94
49) Dibromochloromethane	8.28	129	295511	53.283	ug/L	100
50) 1,2-Dibromoethane	8.39	107	257996	51.620	ug/L	99
51) Chlorobenzene	8.92	112	681768	50.714	ug/L	98
52) Ethylbenzene	9.05	91	1126195	52.428	ug/L	99
53) m,p-Xylene	9.17	106	440940	53.082	ug/L	99
54) o-xylene	9.58	106	429552	52.888	ug/L	100
55) Styrene	9.60	104	751145	53.604	ug/L	99
56) Isopropylbenzene	9.97	105	1132711	51.885	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	356798	48.307	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	298454	48.251	ug/L	99
61) Bromoform	9.77	173	230831	54.572	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	580468	51.161	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	578139	49.289	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	585005	51.546	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	77516	49.145	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	453564	49.227	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	354859	42.684	ug/L	97
69) Naphthalene	13.55	128	822023	37.657	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	390616	44.928	ug/L	98

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

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MSVOA_V
ClientSampleId :
VSTD05097

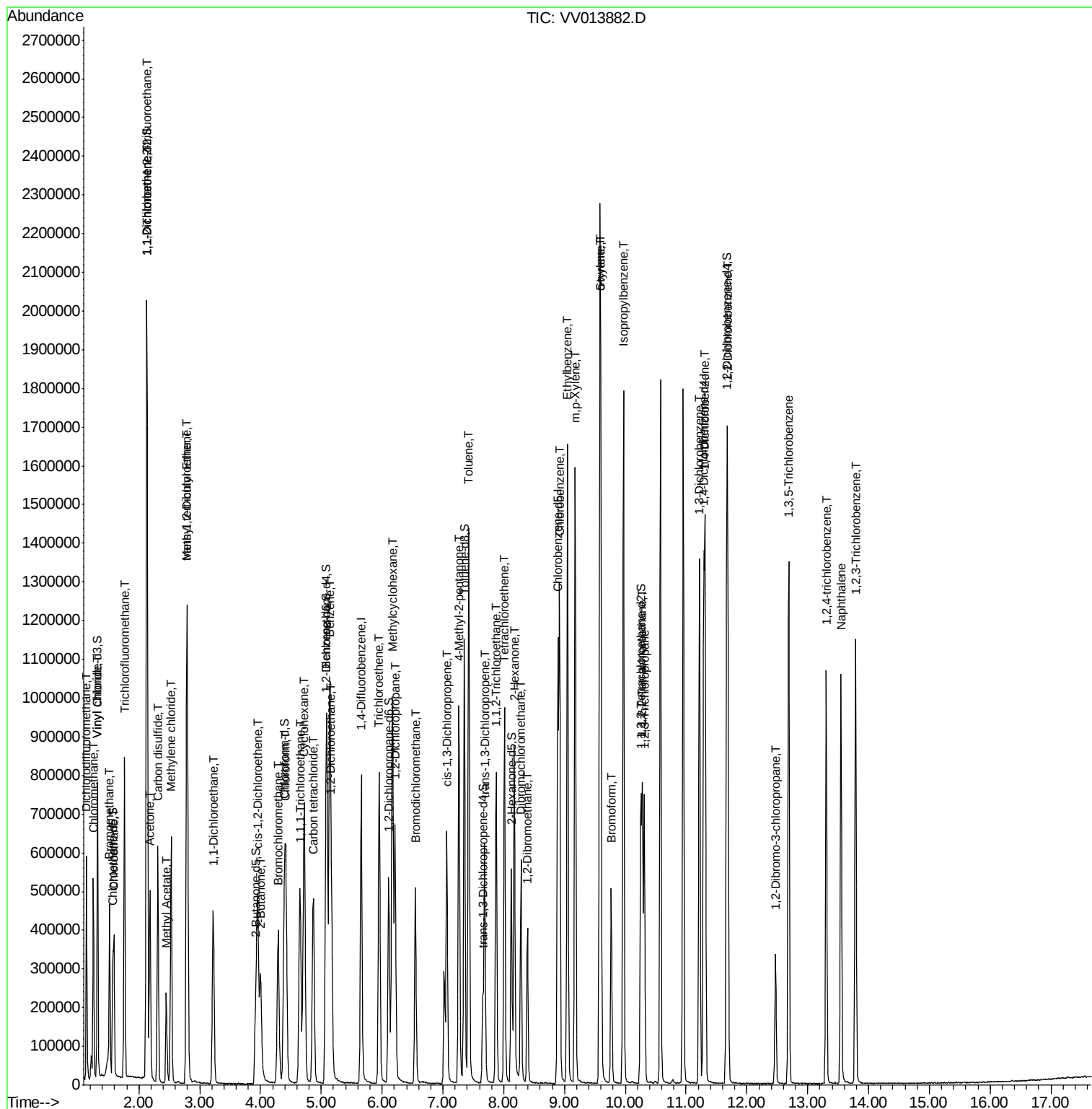
Quant Time: Dec 04 01:01:30 2019

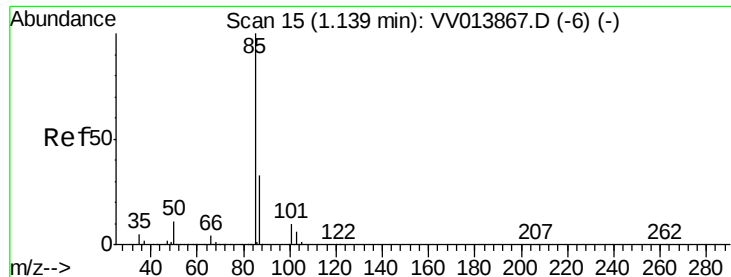
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM120219WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 03 02:59:26 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 51.220 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

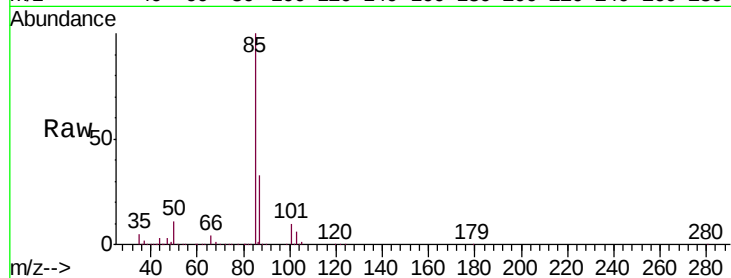
VSTD05097

Tgt Ion: 85 Resp: 318655

Ion Ratio Lower Upper

85 100

87 32.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013867.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013867.D (-6) (-)

1.14

300000

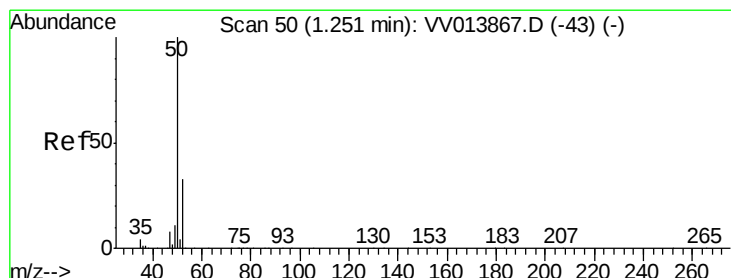
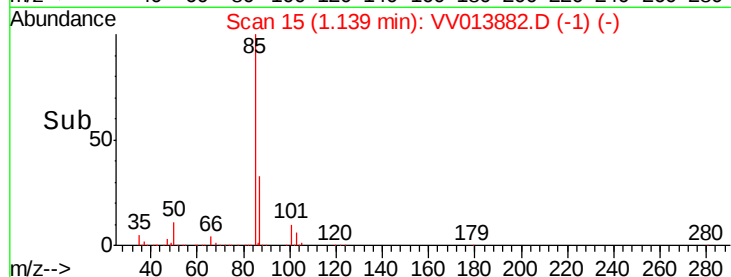
200000

100000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 53.917 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013882.D

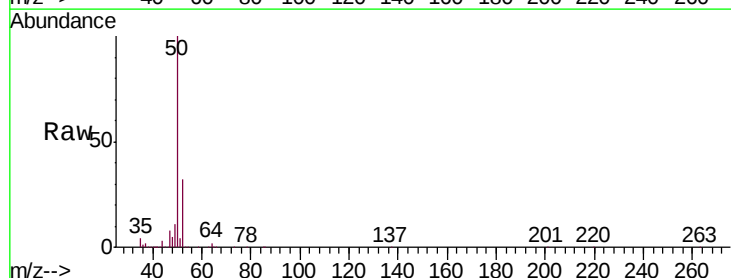
Acq: 03 Dec 2019 10:00

Tgt Ion: 50 Resp: 306665

Ion Ratio Lower Upper

50 100

52 32.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013867.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013867.D (-43) (-)

1.25

300000

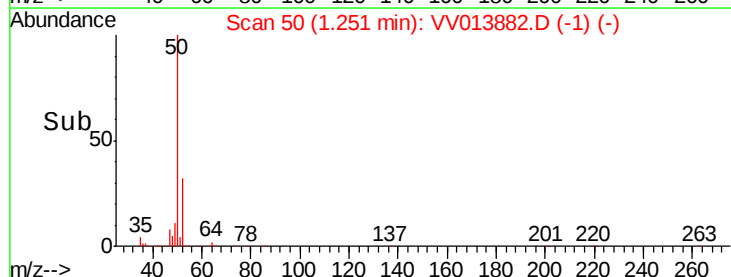
200000

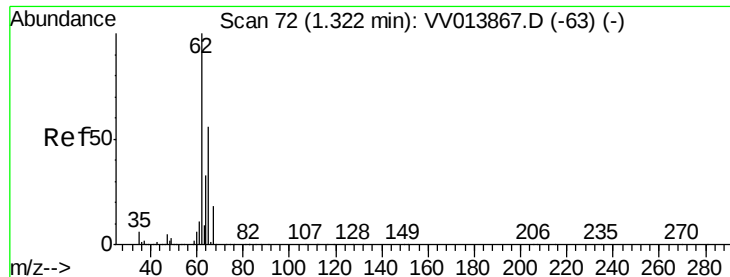
100000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 49.856 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

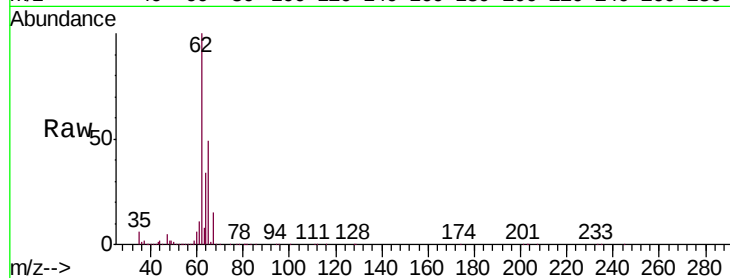
VSTD05097

Tgt Ion: 62 Resp: 295752

Ion Ratio Lower Upper

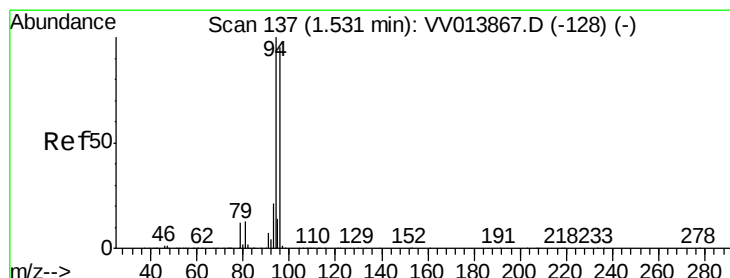
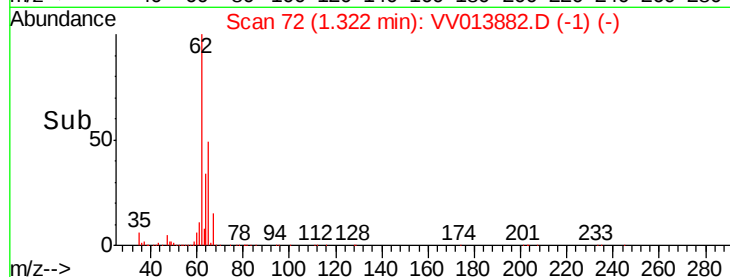
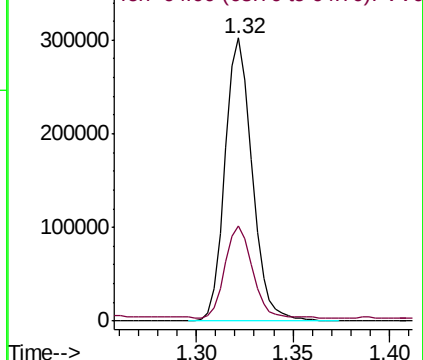
62 100

64 33.6 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 49.331 ug/L

RT: 1.52 min Scan# 133

Delta R.T. -0.01 min

Lab File: VV013882.D

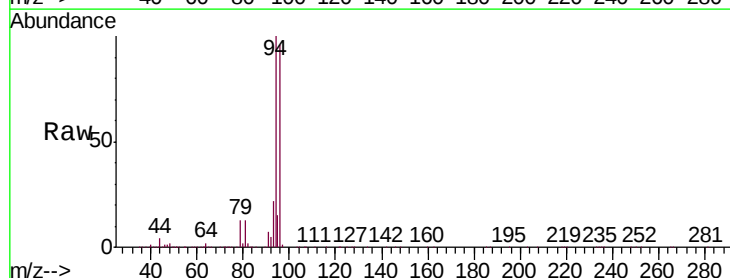
Acq: 03 Dec 2019 10:00

Tgt Ion: 94 Resp: 176929

Ion Ratio Lower Upper

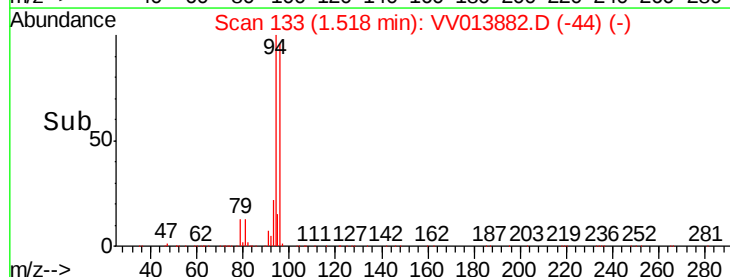
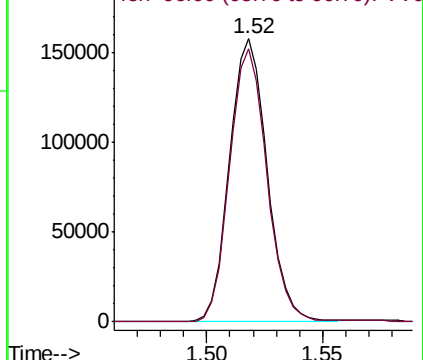
94 100

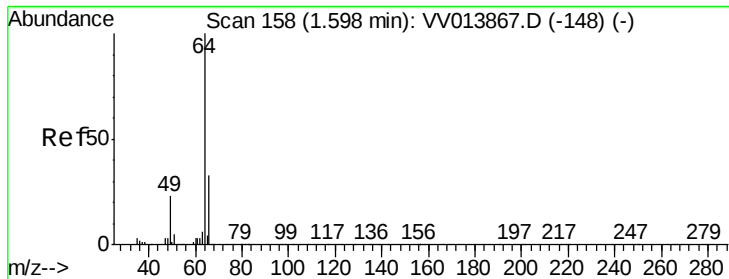
96 96.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 50.572 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

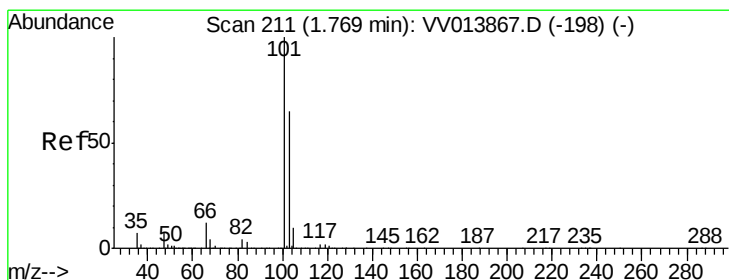
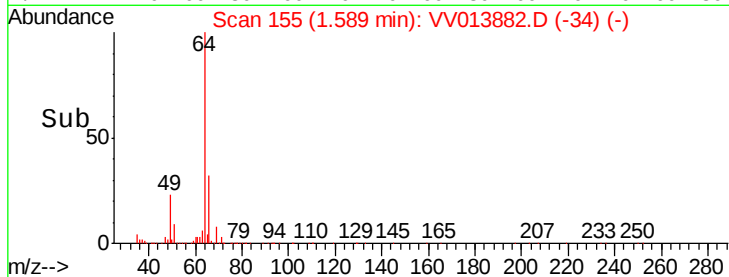
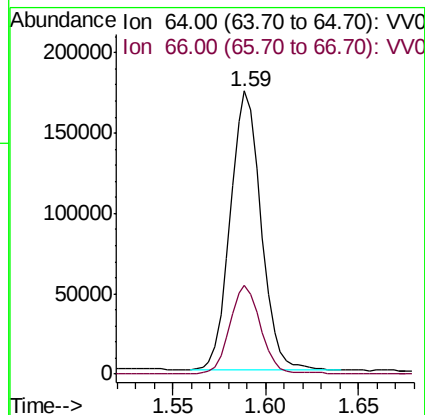
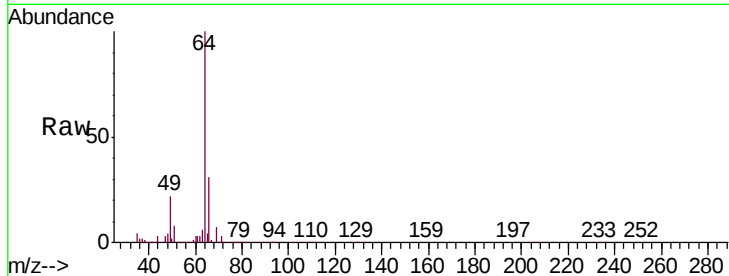
VSTD05097

Tgt Ion: 64 Resp: 199611

Ion Ratio Lower Upper

64 100

66 31.3 22.7 42.1



#9

Trichlorofluoromethane

Concen: 51.522 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV013882.D

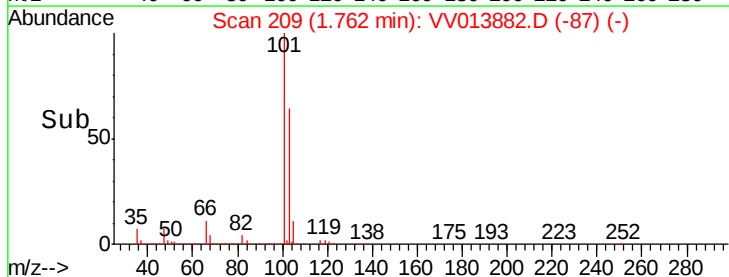
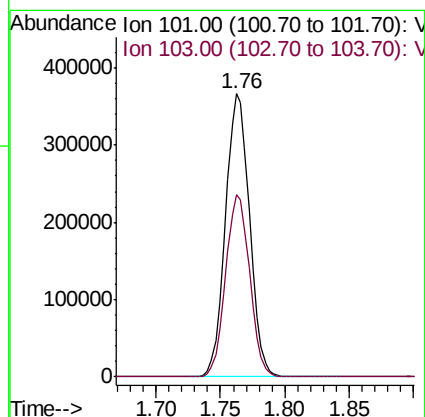
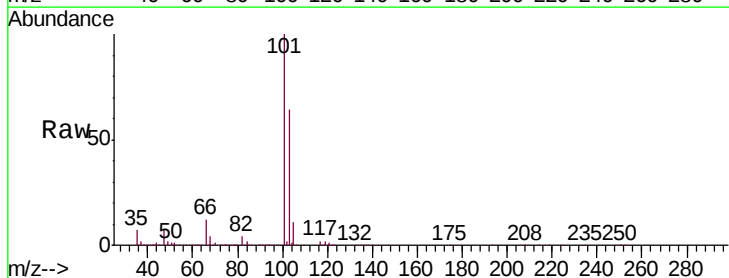
Acq: 03 Dec 2019 10:00

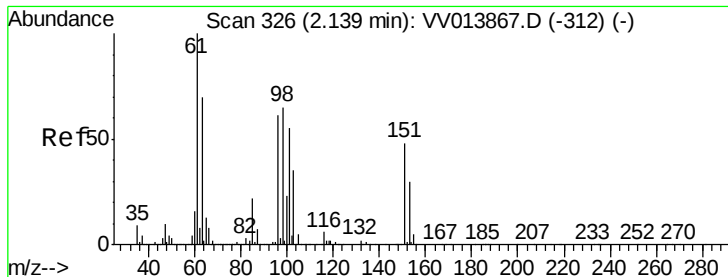
Tgt Ion: 101 Resp: 475355

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9





#10

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

Concen: 50.738 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

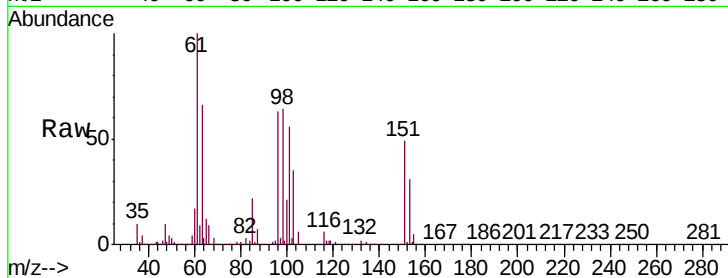
Tgt Ion: 101 Resp: 266623

Ion Ratio Lower Upper

101 100

85 40.9 32.5 48.7

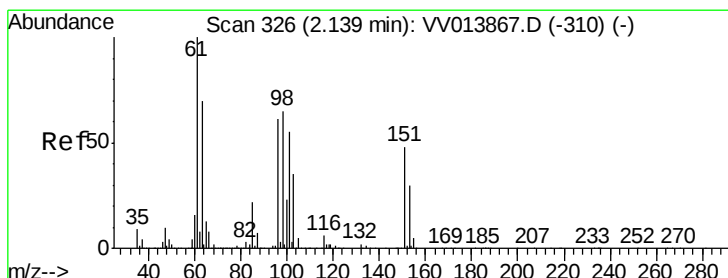
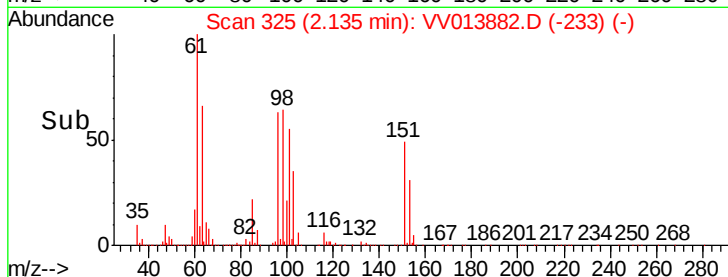
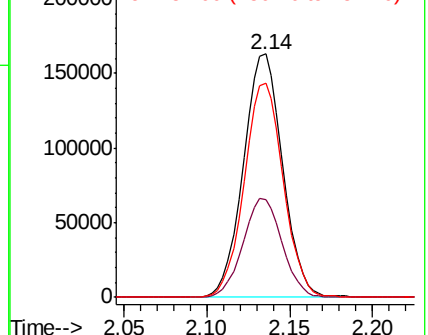
151 88.1 69.8 104.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.791 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

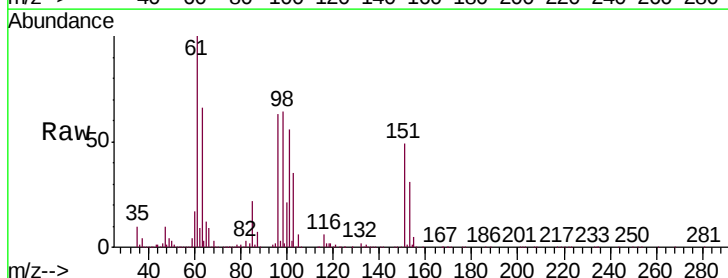
Tgt Ion: 96 Resp: 257810

Ion Ratio Lower Upper

96 100

61 158.8 114.0 211.8

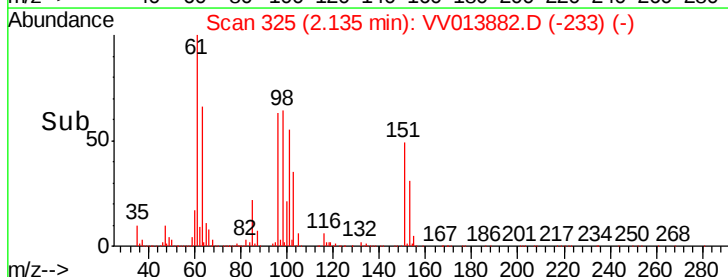
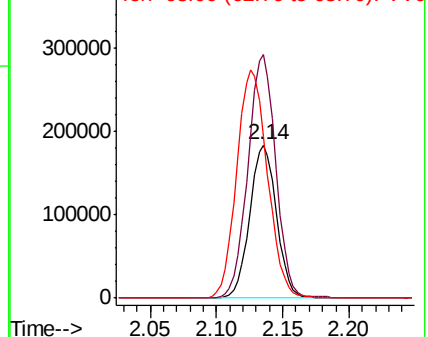
63 105.4 80.3 149.1

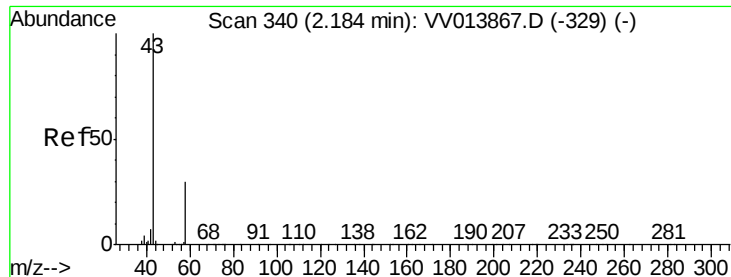


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 107.498 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

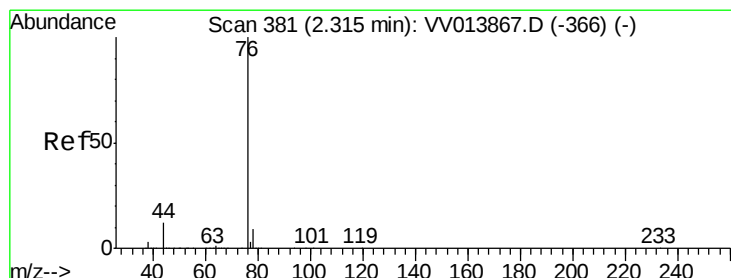
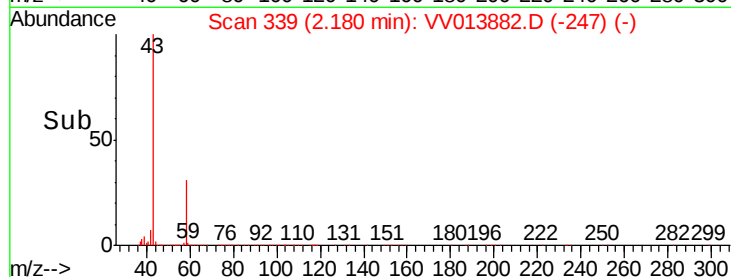
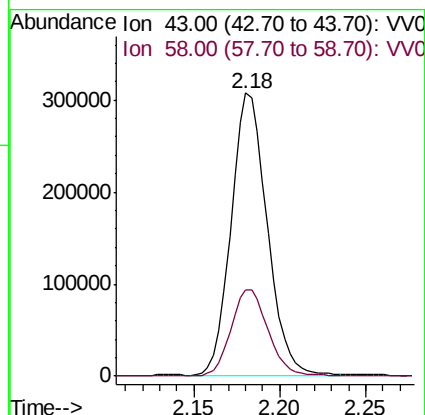
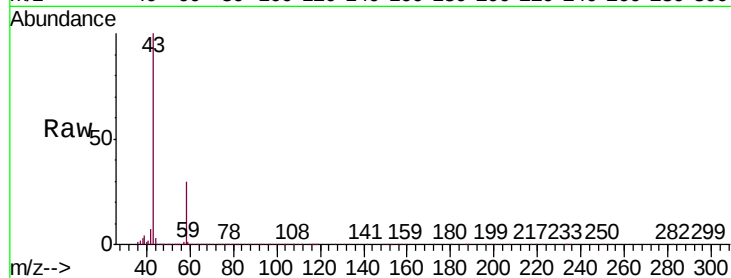
VSTD05097

Tgt Ion: 43 Resp: 448066

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.8



#14

Carbon disulfide

Concen: 50.901 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013882.D

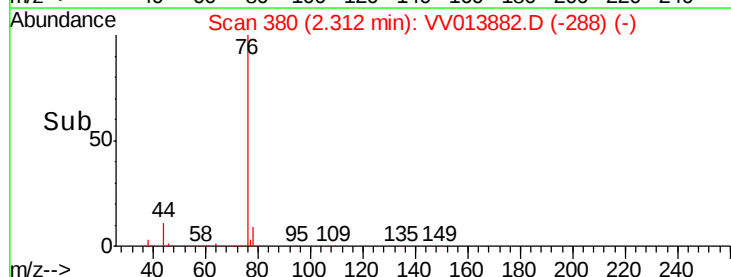
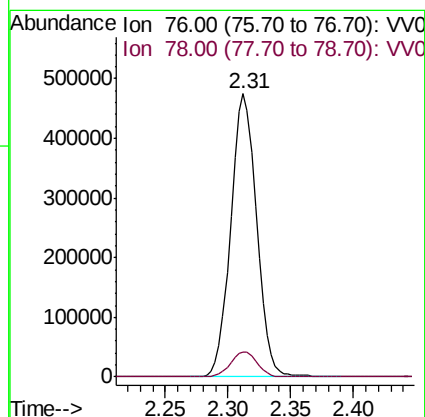
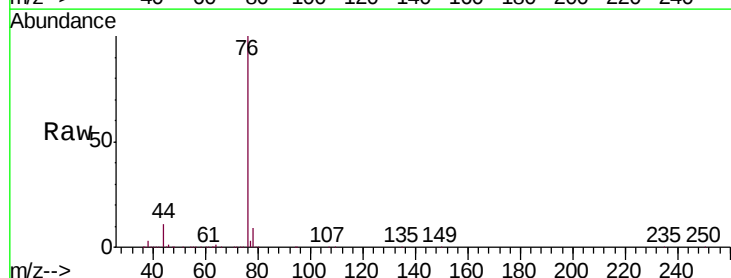
Acq: 03 Dec 2019 10:00

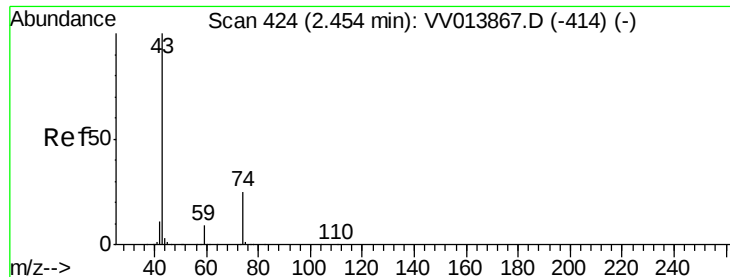
Tgt Ion: 76 Resp: 681351

Ion Ratio Lower Upper

76 100

78 8.9 7.2 10.8





#15

Methyl Acetate

Concen: 47.370 ug/L

RT: 2.45 min Scan# 423

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

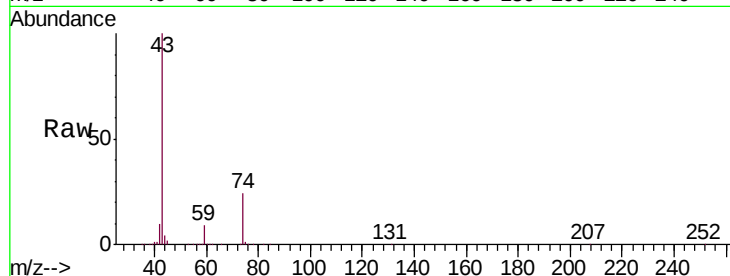
VSTD05097

Tgt Ion: 43 Resp: 243337

Ion Ratio Lower Upper

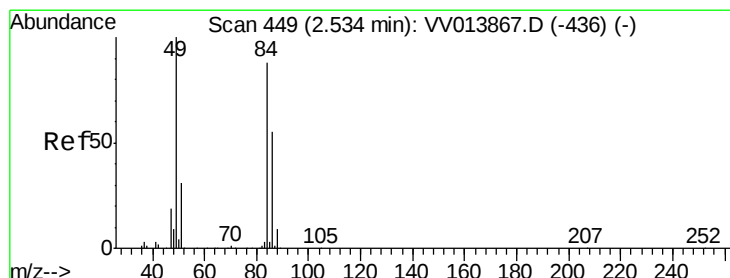
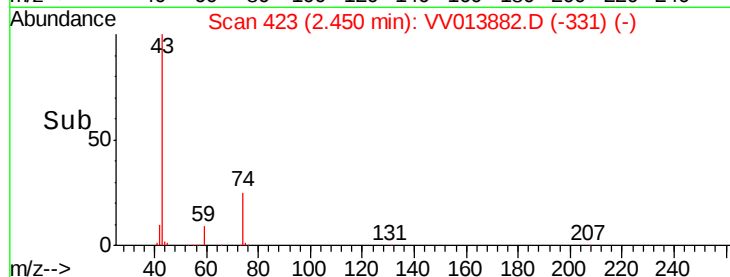
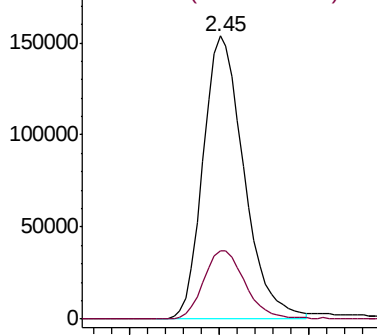
43 100

74 24.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.954 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

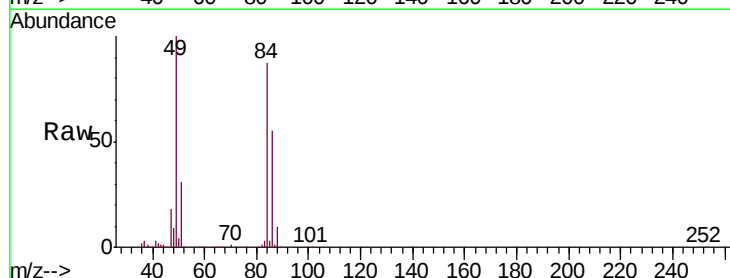
Tgt Ion: 84 Resp: 264051

Ion Ratio Lower Upper

84 100

86 62.8 43.9 81.5

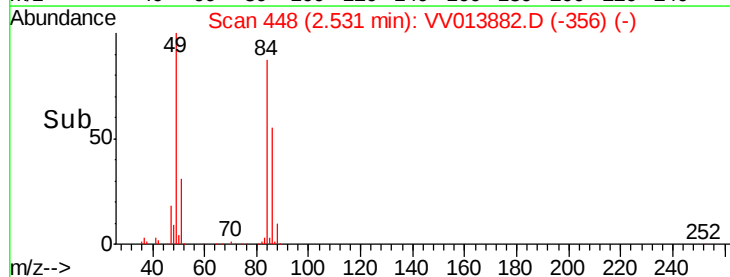
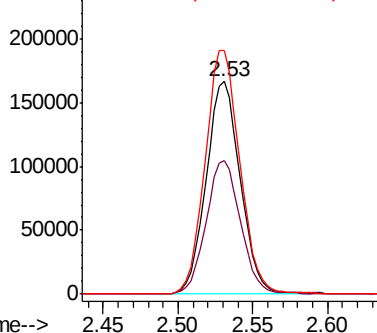
49 114.4 79.7 147.9

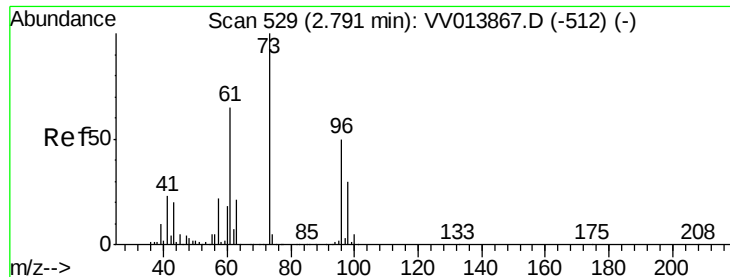


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

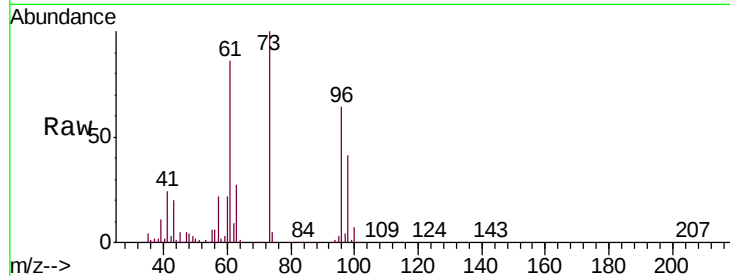




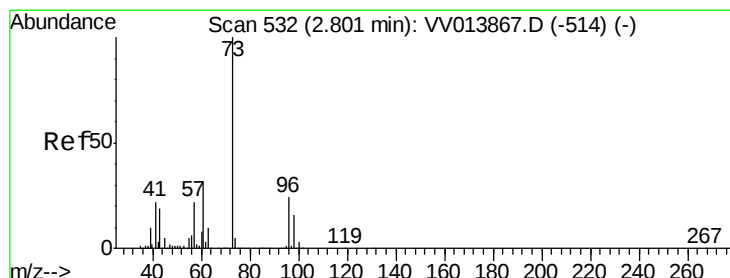
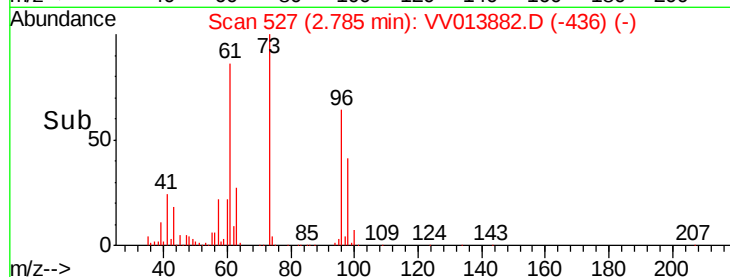
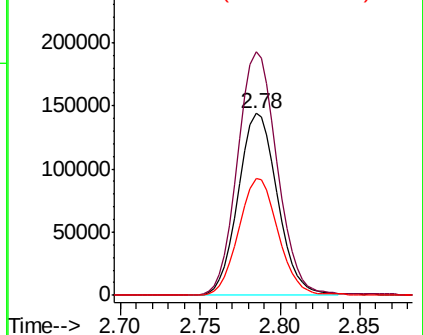
#17
trans-1,2-Dichloroethene
Concen: 48.628 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV013882.D
Acq: 03 Dec 2019 10:00

Instrument :
MSVOA_V
ClientSampled :
VSTD05097

Tgt Ion: 96 Resp: 241437
Ion Ratio Lower Upper
96 100
61 133.9 92.2 171.2
98 64.0 42.6 79.2

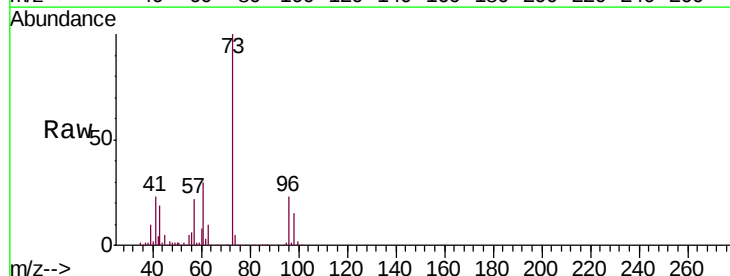


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

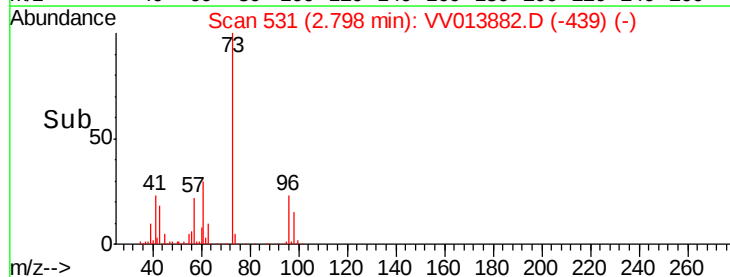
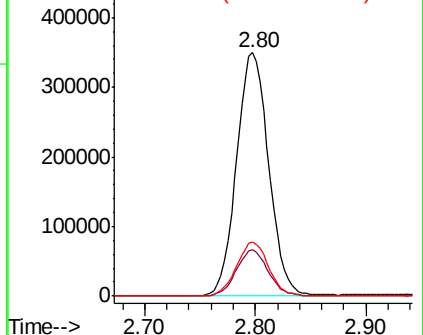


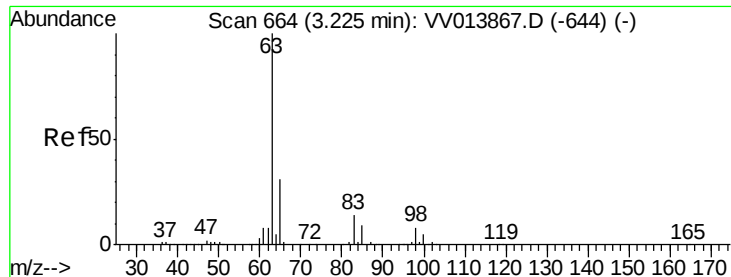
#18
Methyl tert-butyl Ether
Concen: 49.161 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013882.D
Acq: 03 Dec 2019 10:00

Tgt Ion: 73 Resp: 708331
Ion Ratio Lower Upper
73 100
43 18.8 15.0 22.6
57 22.0 17.4 26.2



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

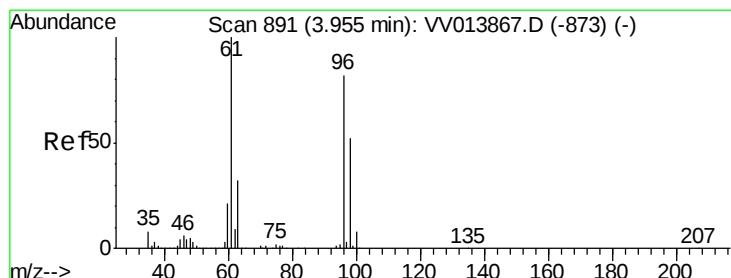
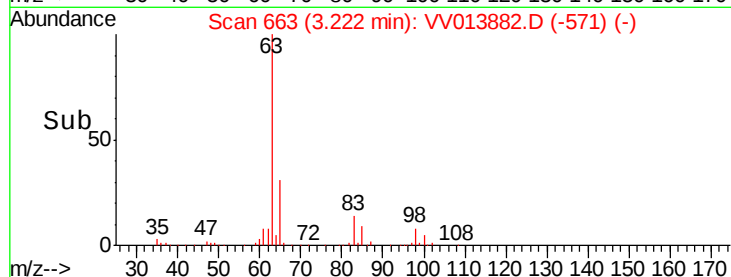
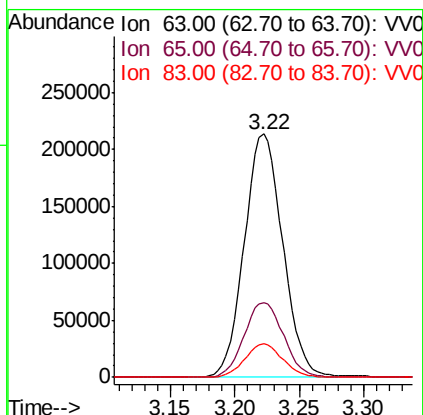
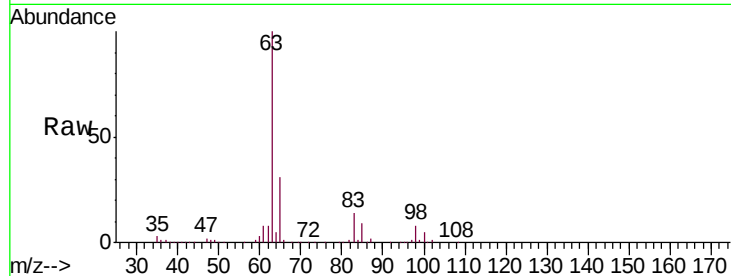




#19
 1,1-Dichloroethane
 Concen: 49.713 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

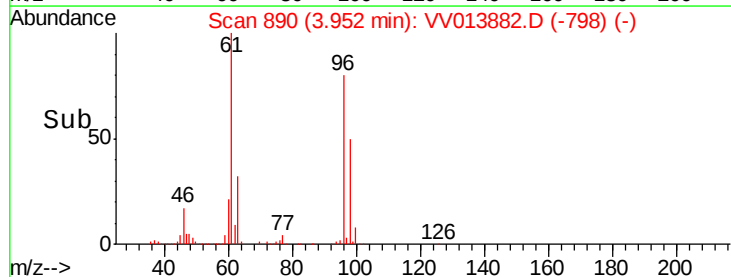
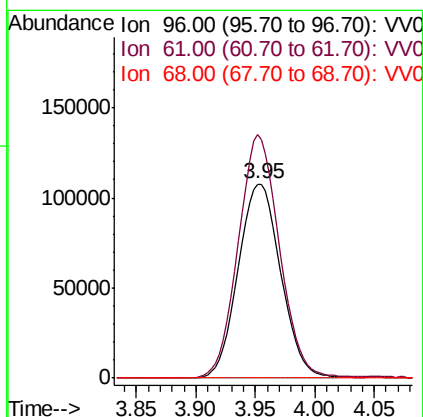
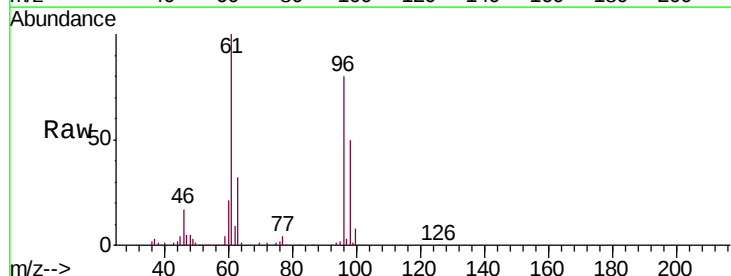
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05097

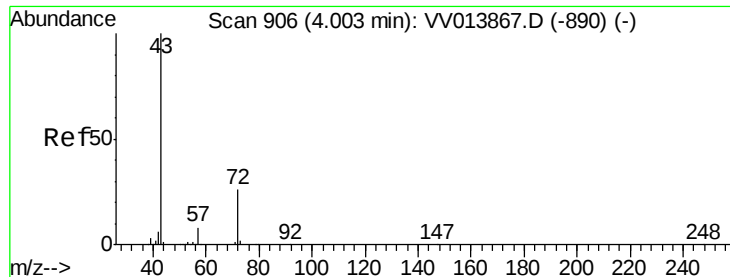
Tgt Ion: 63 Resp: 444683
 Ion Ratio Lower Upper
 63 100
 65 30.8 21.5 39.9
 83 13.6 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 49.586 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Tgt Ion: 96 Resp: 266606
 Ion Ratio Lower Upper
 96 100
 61 125.5 85.3 158.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 105.131 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

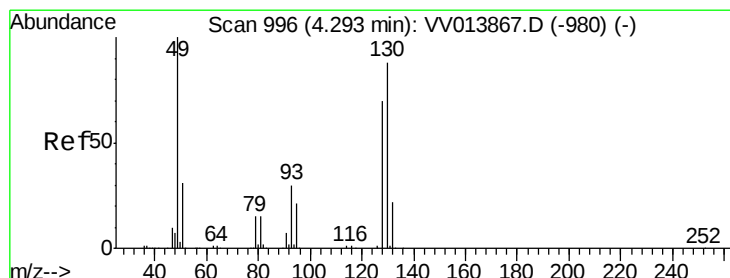
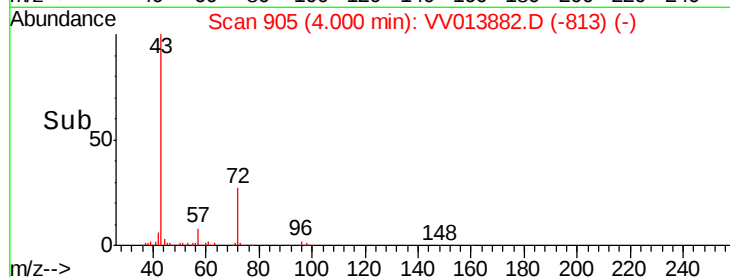
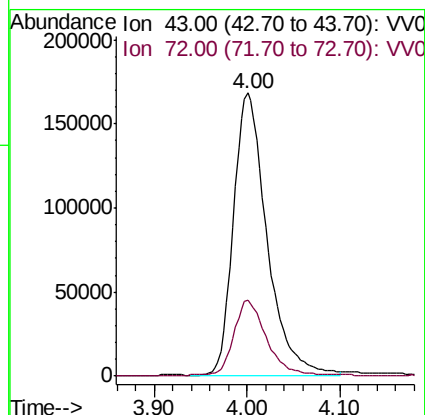
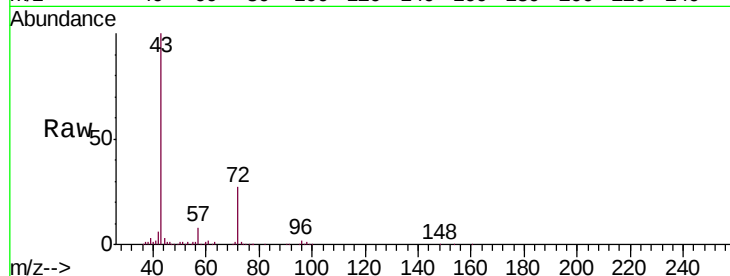
VSTD05097

Tgt Ion: 43 Resp: 420602

Ion Ratio Lower Upper

43 100

72 25.4 14.1 42.2



#23

Bromochloromethane

Concen: 50.320 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Tgt Ion: 128 Resp: 149479

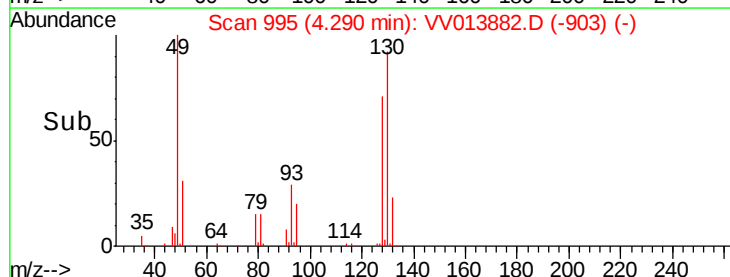
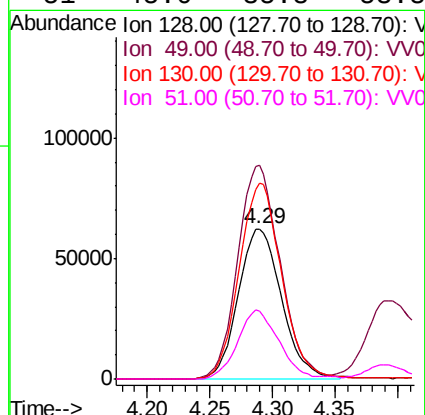
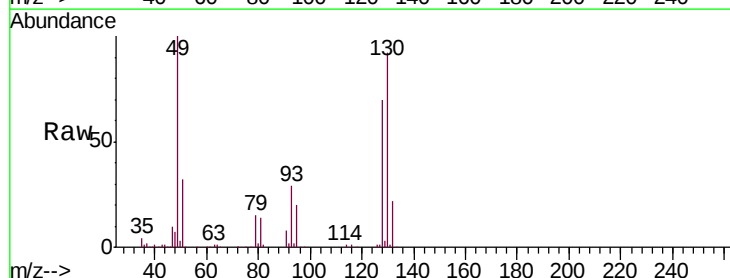
Ion Ratio Lower Upper

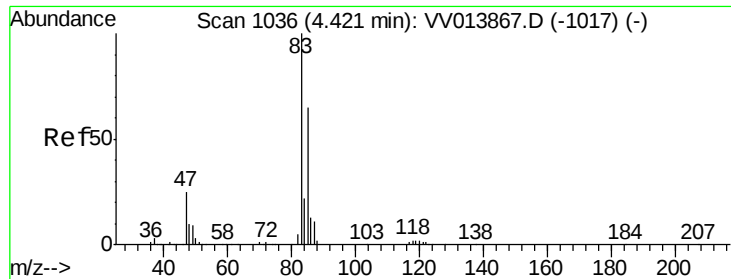
128 100

49 142.1 100.4 186.4

130 130.1 88.3 163.9

51 45.0 35.8 53.8





#25

Chloroform

Concen: 48.434 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

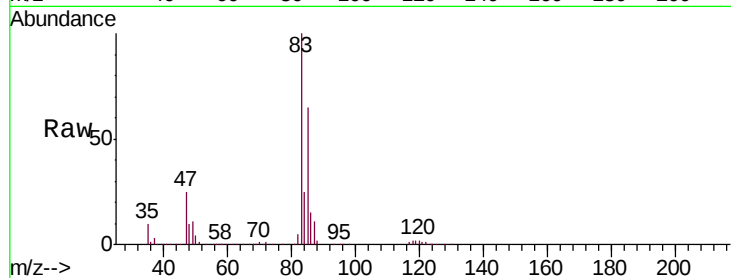
VSTD05097

Tgt Ion: 83 Resp: 463165

Ion Ratio Lower Upper

83 100

85 65.1 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

200000

150000

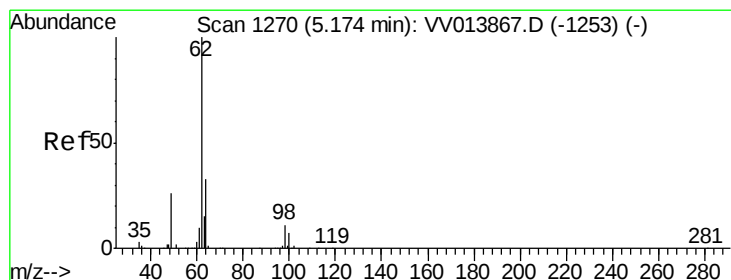
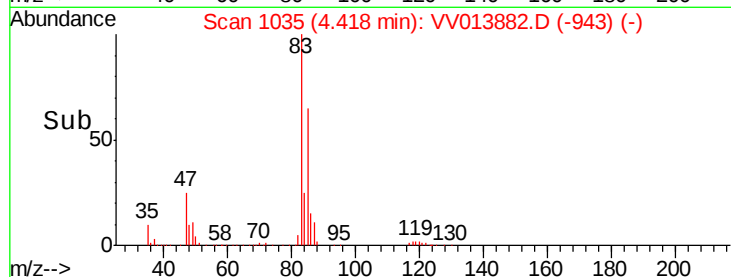
100000

50000

0

4.30 4.40 4.50

Time-->



#27

1,2-Dichloroethane

Concen: 51.694 ug/L

RT: 5.17 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VV013882.D

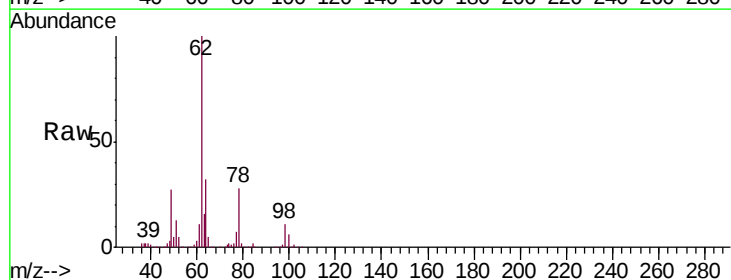
Acq: 03 Dec 2019 10:00

Tgt Ion: 62 Resp: 356209

Ion Ratio Lower Upper

62 100

98 10.6 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

200000

150000

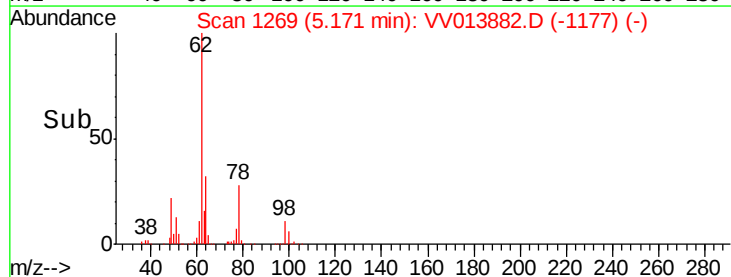
100000

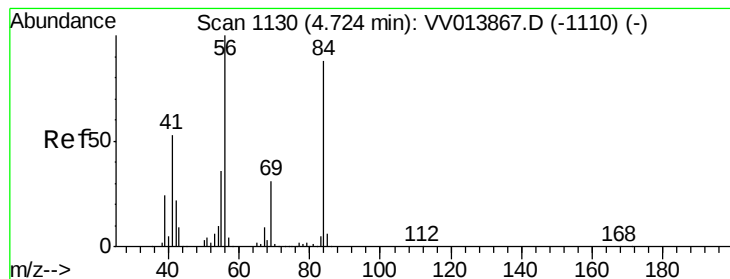
50000

0

5.10 5.15 5.20 5.25

Time-->





#29

Cyclohexane

Concen: 52.167 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

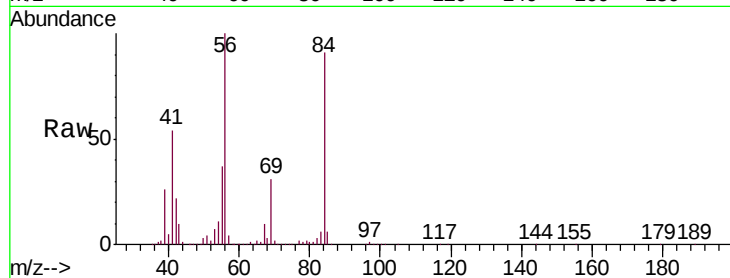
Tgt Ion: 56 Resp: 386517

Ion Ratio Lower Upper

56 100

69 31.0 24.9 37.3

84 90.2 71.0 106.4

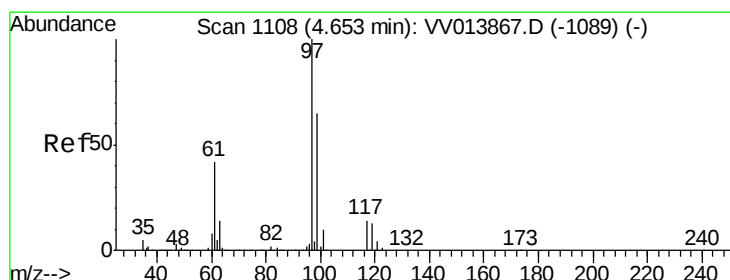
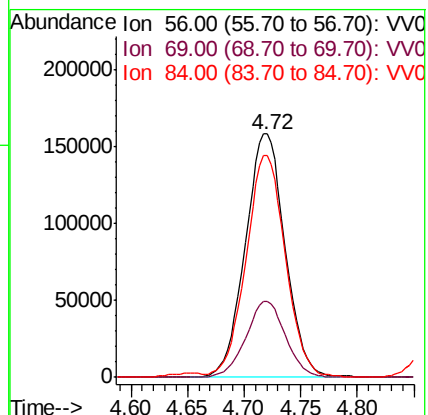
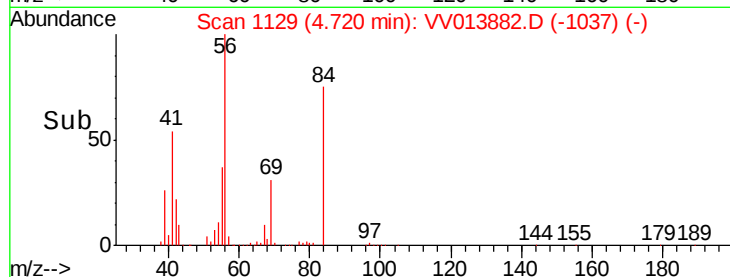


Abundance Ion 56.00 (55.70 to 56.70): VV013867.D (-1110) (-)

Ion 69.00 (68.70 to 69.70): VV013867.D (-1110) (-)

Ion 84.00 (83.70 to 84.70): VV013867.D (-1110) (-)

Time-->



#30

1,1,1-Trichloroethane

Concen: 51.818 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

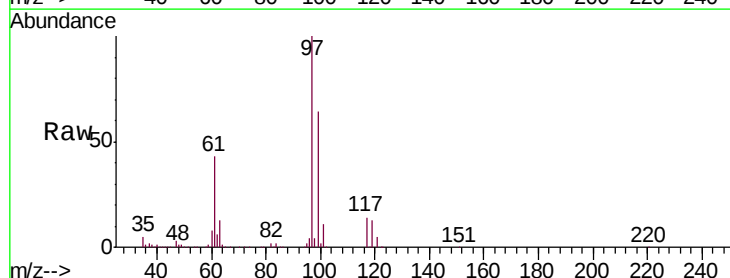
Tgt Ion: 97 Resp: 396703

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.2

61 42.4 33.2 49.8

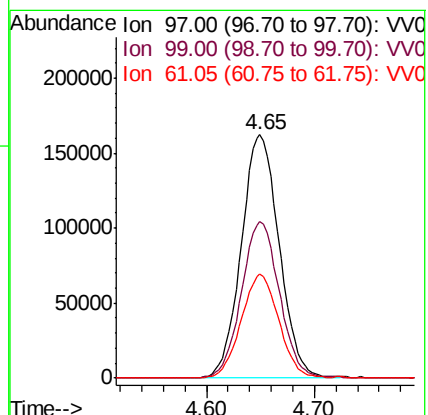
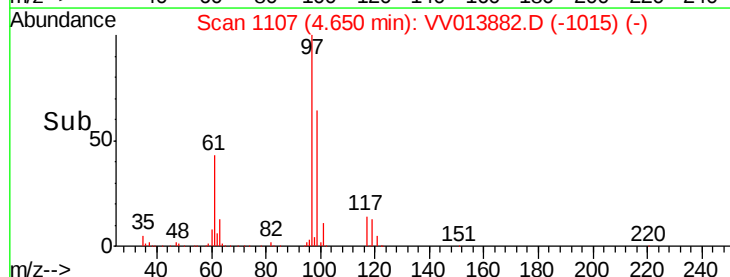


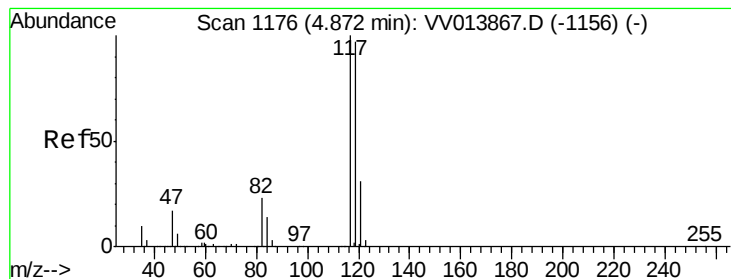
Abundance Ion 97.00 (96.70 to 97.70): VV013867.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VV013867.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VV013867.D (-1089) (-)

Time-->





#31

Carbon tetrachloride

Concen: 53.569 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

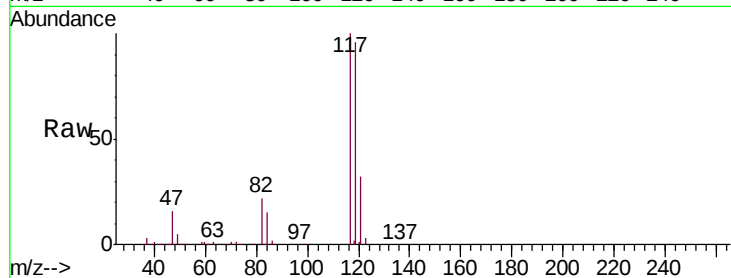
VSTD05097

Tgt Ion:117 Resp: 366345

Ion Ratio Lower Upper

117 100

119 96.0 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

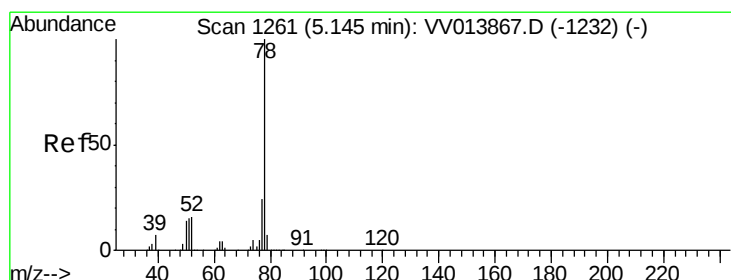
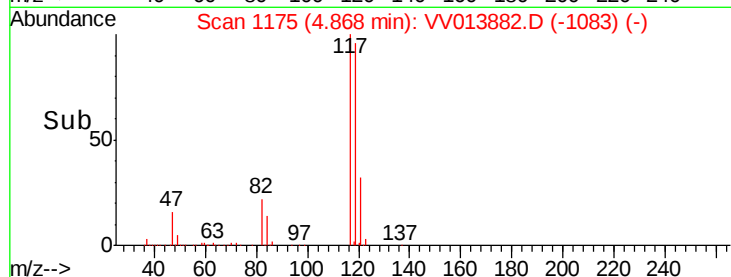
150000

100000

50000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 53.464 ug/L

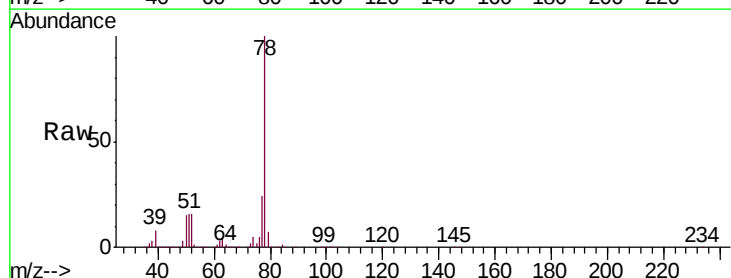
RT: 5.14 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Tgt Ion: 78 Resp: 1009700



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.14

500000

400000

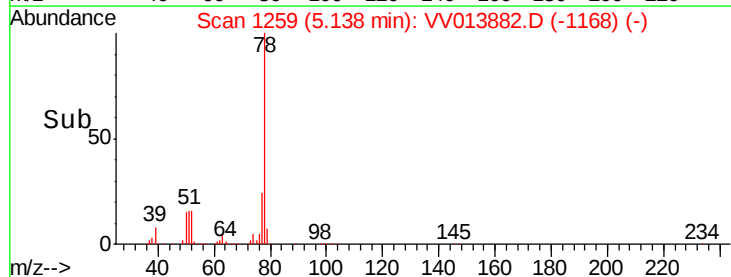
300000

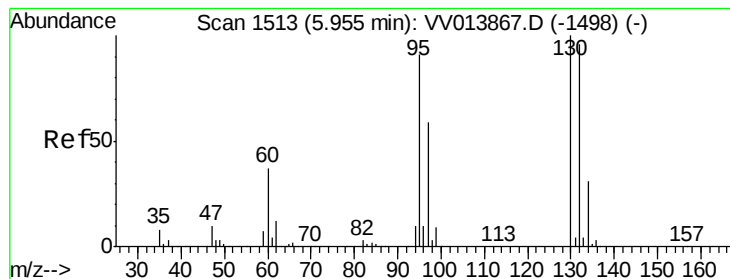
200000

100000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 54.287 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

Tgt Ion: 95 Resp: 274977

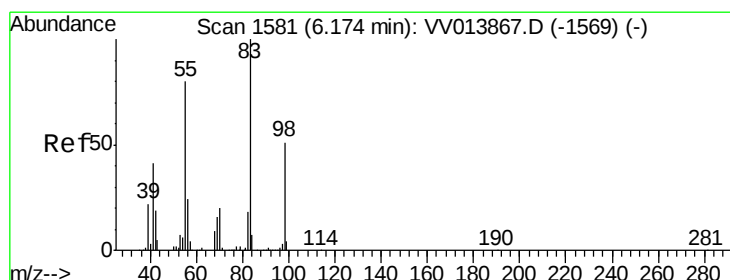
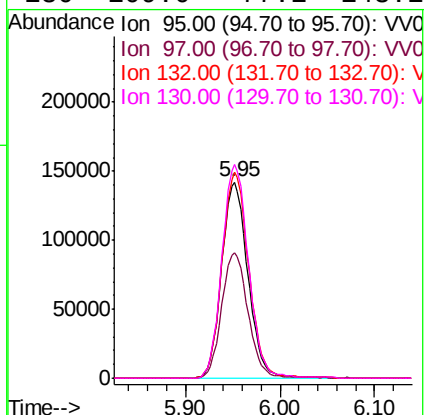
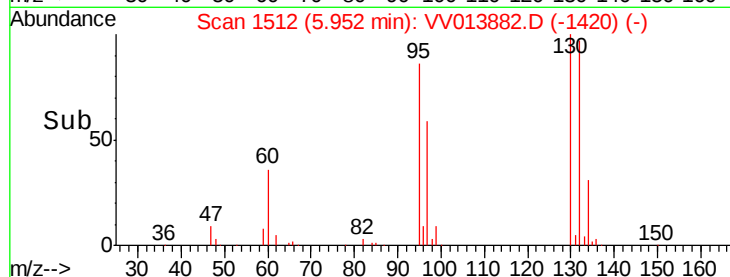
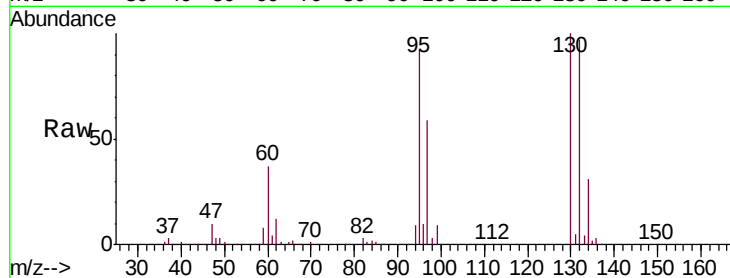
Ion Ratio Lower Upper

95 100

97 64.1 45.4 84.4

132 105.4 73.7 136.9

130 109.0 77.1 143.1



#35

Methylcyclohexane

Concen: 54.770 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

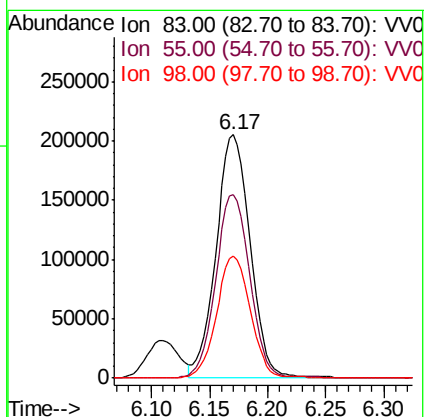
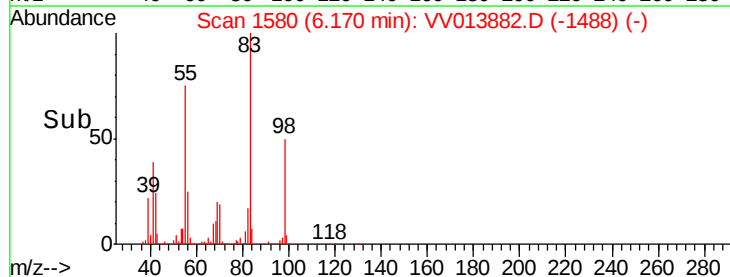
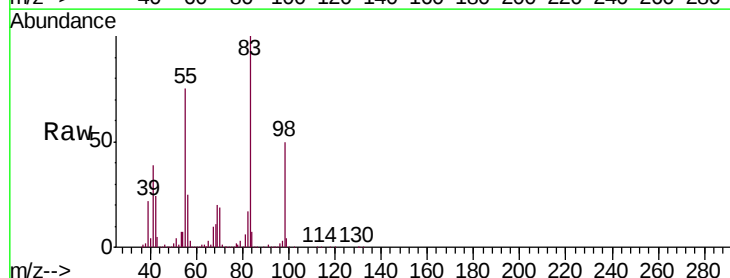
Tgt Ion: 83 Resp: 416249

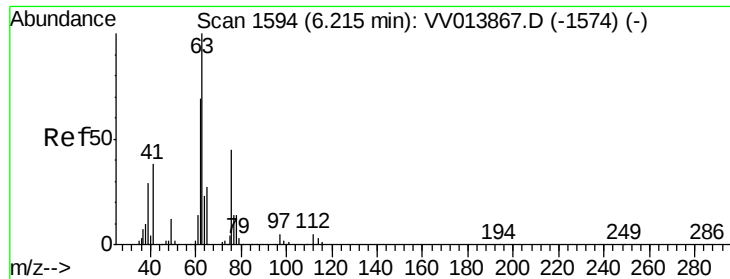
Ion Ratio Lower Upper

83 100

55 75.6 61.0 91.4

98 49.8 39.6 59.4

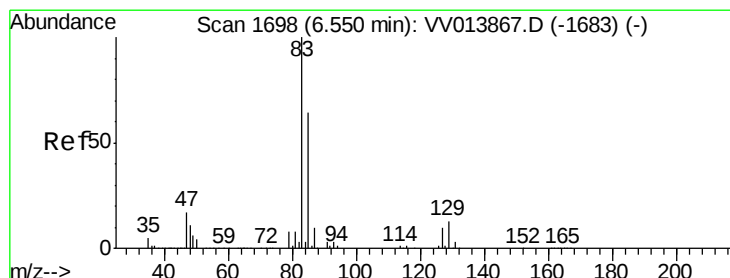
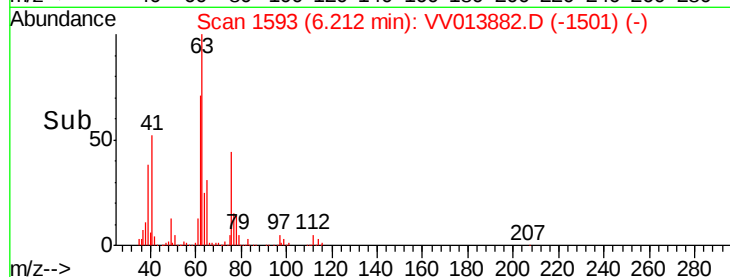
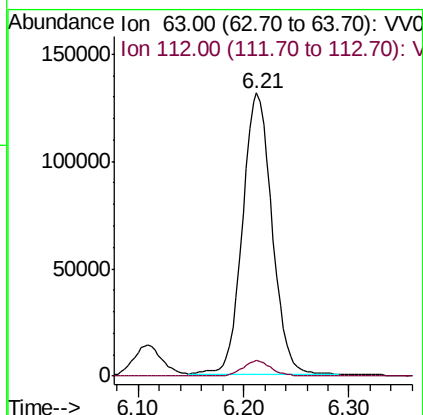
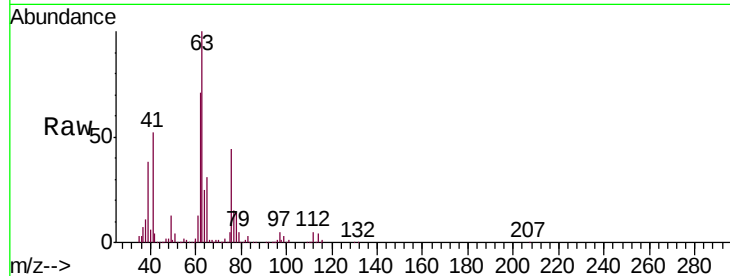




#37
 1,2-Dichloropropane
 Concen: 55.918 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

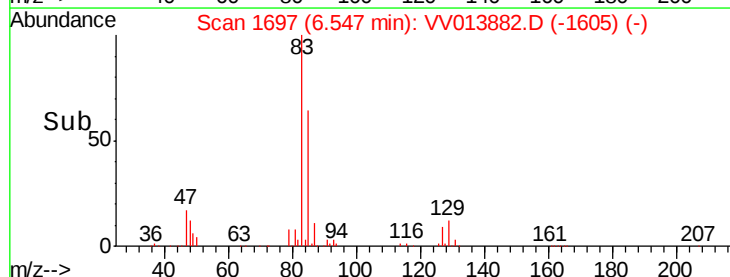
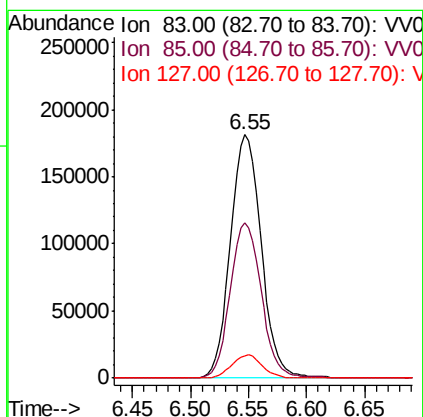
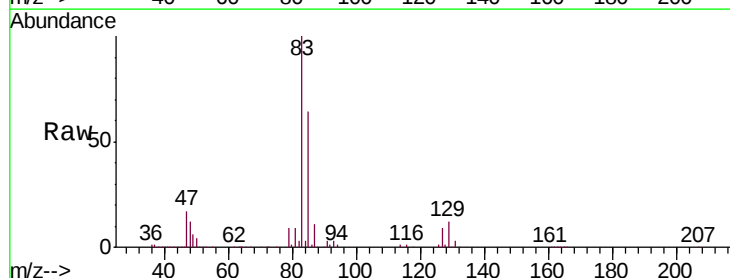
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

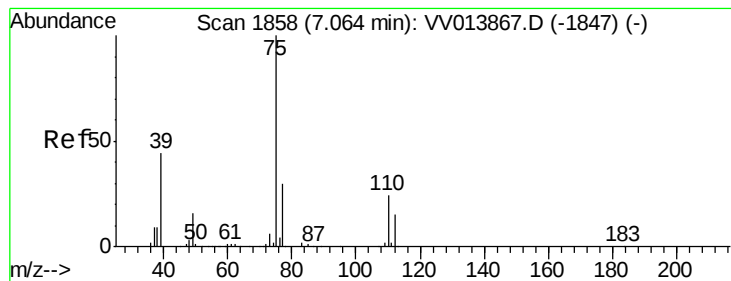
Tgt Ion: 63 Resp: 255589
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.2



#38
 Bromodichloromethane
 Concen: 51.680 ug/L
 RT: 6.55 min Scan# 1697
 Delta R.T. -0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Tgt Ion: 83 Resp: 335001
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.8 83.2
 127 9.1 7.7 11.5



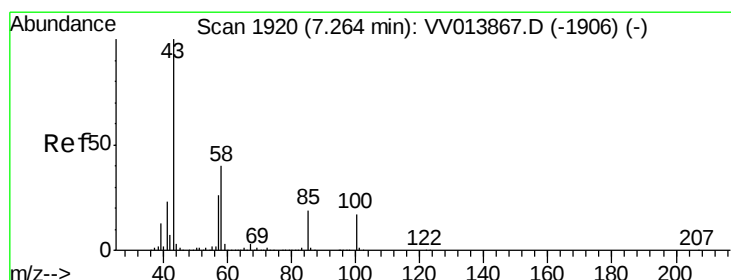
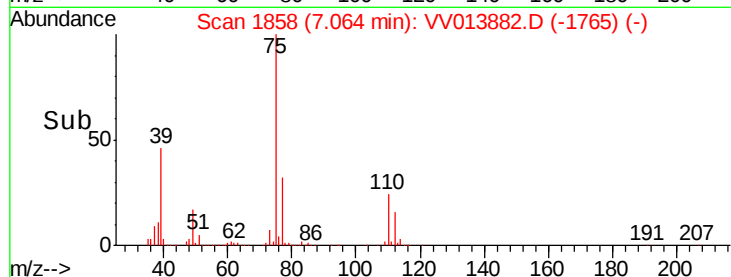
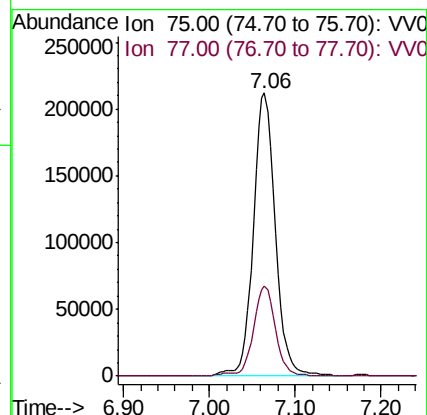
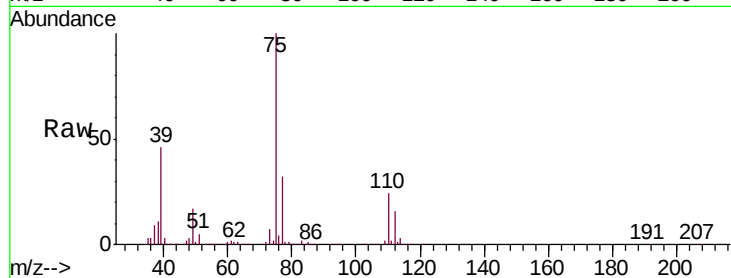


#39

cis-1,3-Dichloropropene
 Concen: 52.602 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

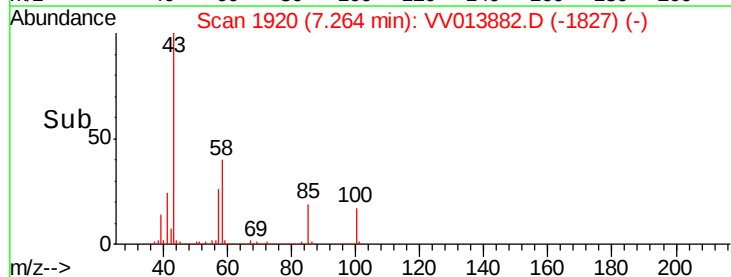
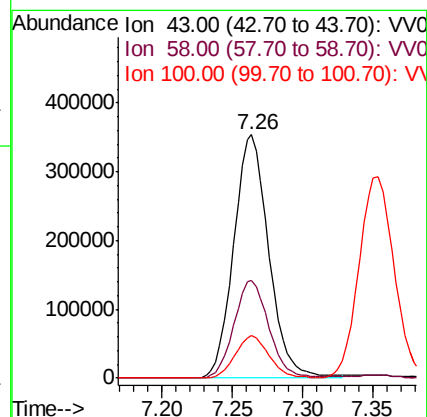
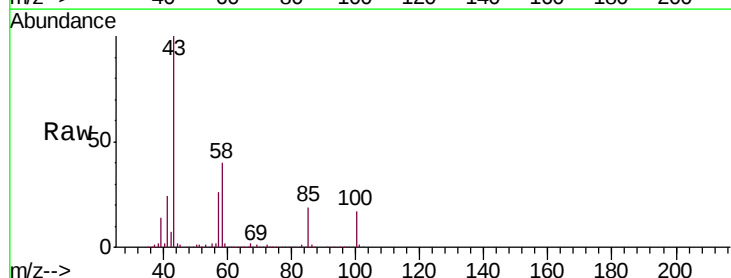
Tgt Ion: 75 Resp: 378503
 Ion Ratio Lower Upper
 75 100
 77 31.7 21.6 40.2

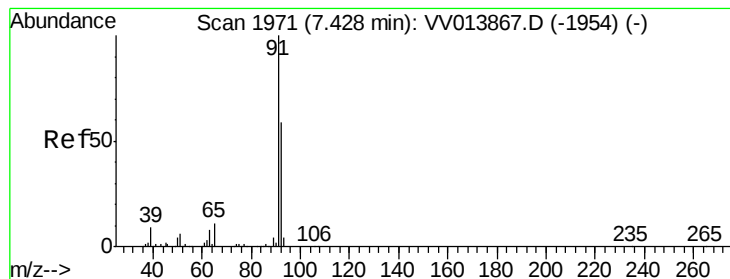


#40

4-Methyl-2-pentanone
 Concen: 103.542 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Tgt Ion: 43 Resp: 615418
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.9 47.9
 100 17.1 13.7 20.5





#42

Toluene

Concen: 53.621 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

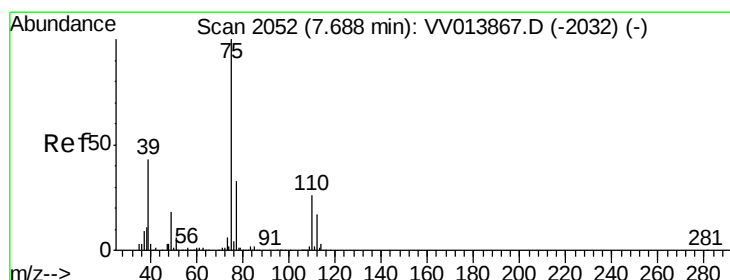
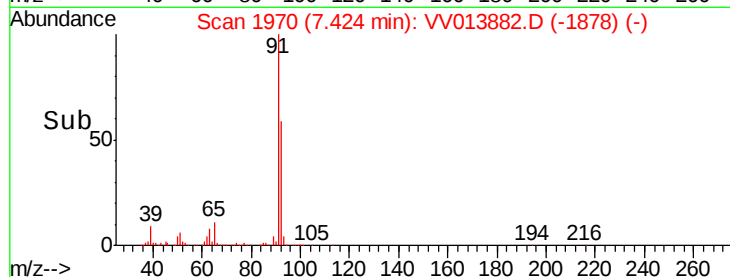
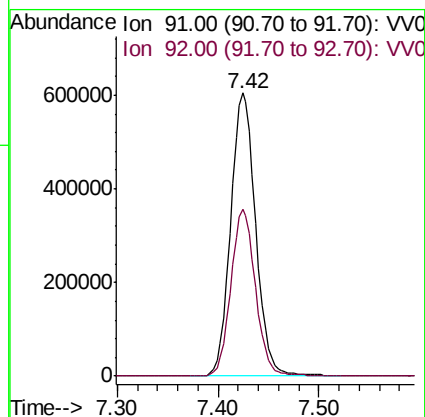
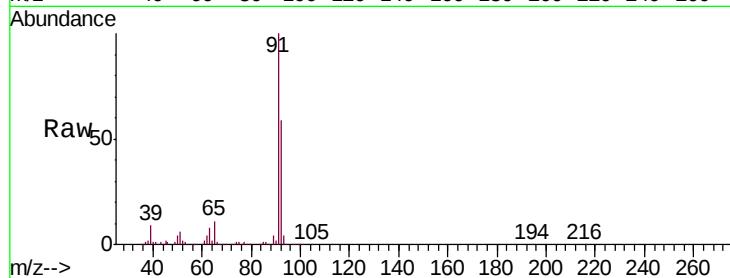
VSTD05097

Tgt Ion: 91 Resp: 1044829

Ion Ratio Lower Upper

91 100

92 58.9 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 51.228 ug/L

RT: 7.68 min Scan# 2051

Delta R.T. -0.00 min

Lab File: VV013882.D

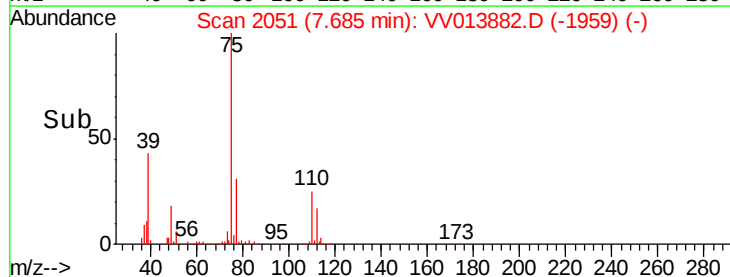
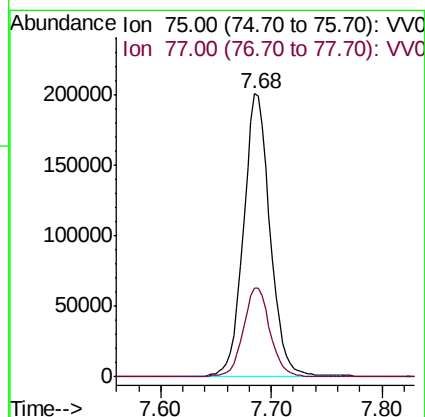
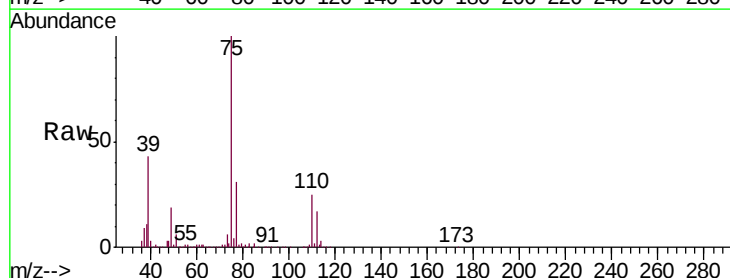
Acq: 03 Dec 2019 10:00

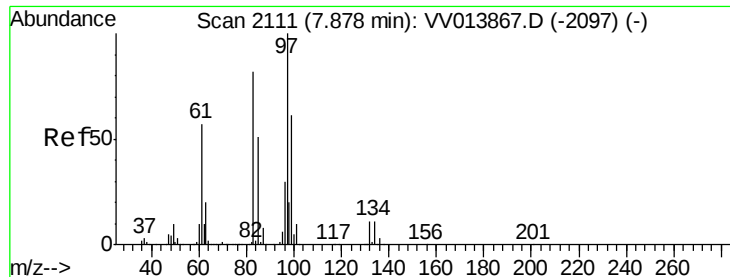
Tgt Ion: 75 Resp: 333802

Ion Ratio Lower Upper

75 100

77 31.4 22.9 42.5

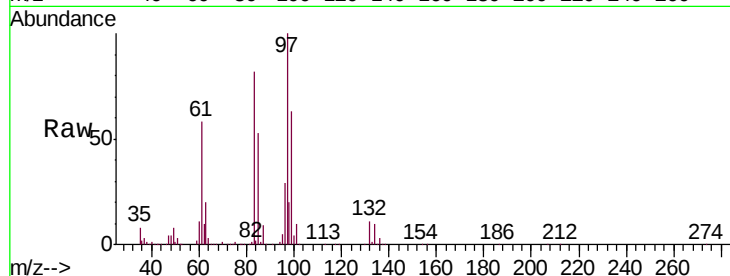




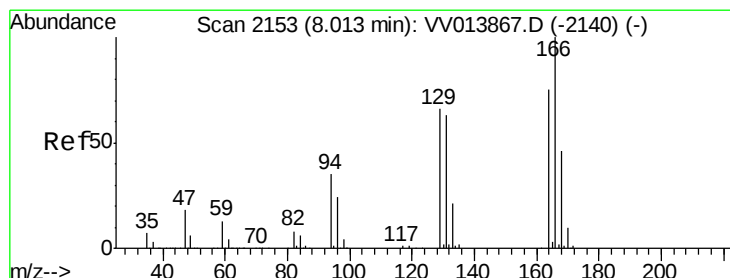
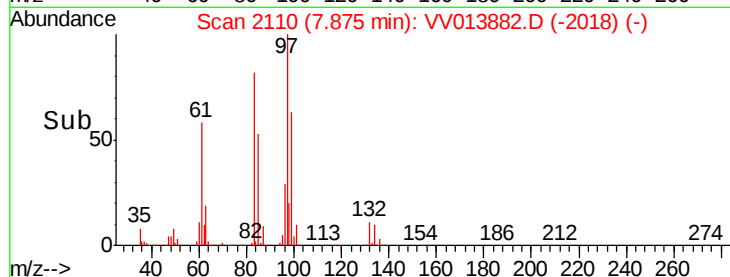
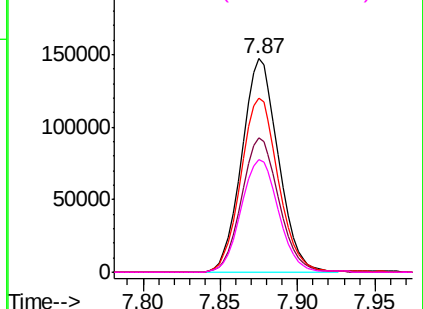
#45
 1,1,2-Trichloroethane
 Concen: 53.452 ug/L
 RT: 7.87 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tgt Ion:	97	Resp:	242511
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.0	80.0
83	81.6	57.5	106.9
85	52.6	35.6	66.2

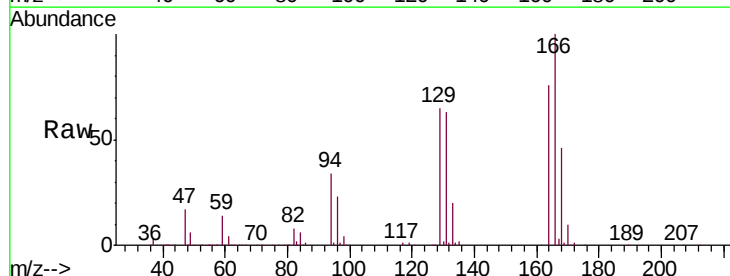


Abundance Ion 97.00 (96.70 to 97.70): VV013867.D (-2097) (-)

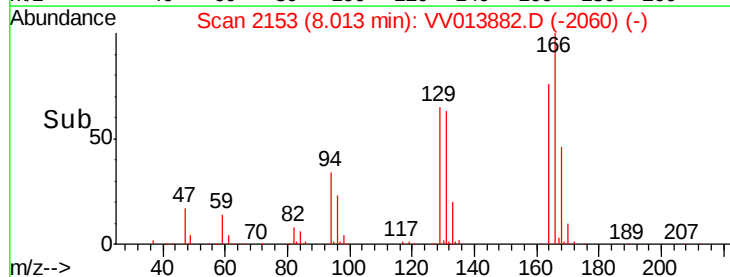
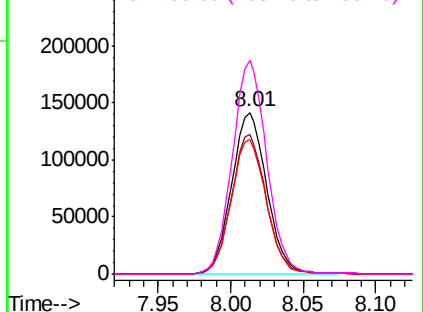


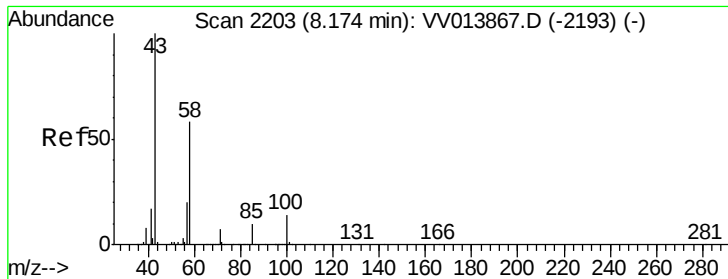
#46
 Tetrachloroethene
 Concen: 52.343 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Tgt Ion:	164	Resp:	239246
Ion	Ratio	Lower	Upper
164	100		
129	86.2	61.7	114.7
131	82.8	58.4	108.6
166	131.9	93.4	173.6



Abundance Ion 164.00 (163.70 to 164.70): VV013867.D (-2140) (-)

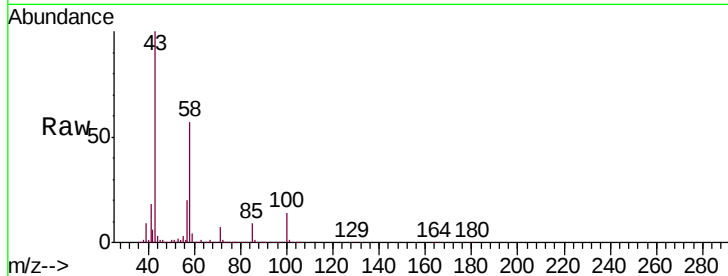




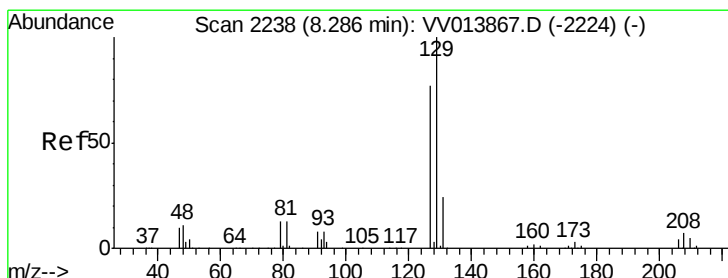
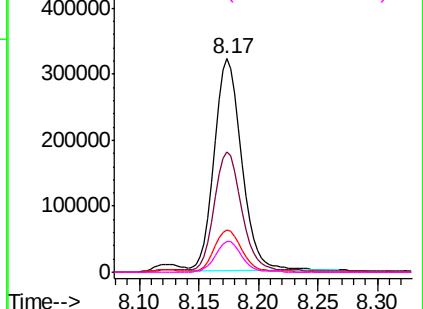
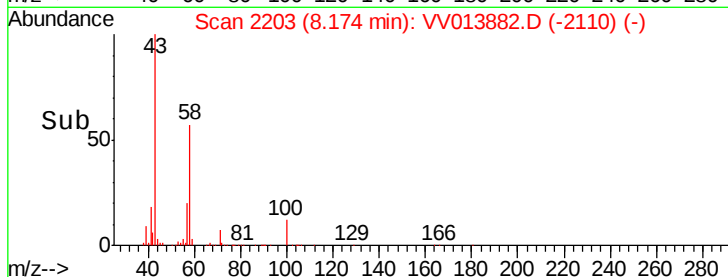
#48
2-Hexanone
Concen: 109.332 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV013882.D
Acq: 03 Dec 2019 10:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05097

Tgt Ion:	43	Resp:	519828
Ion	Ratio	Lower	Upper
43	100		
58	54.9	48.4	72.6
57	19.0	16.6	24.8
100	13.7	11.9	17.9

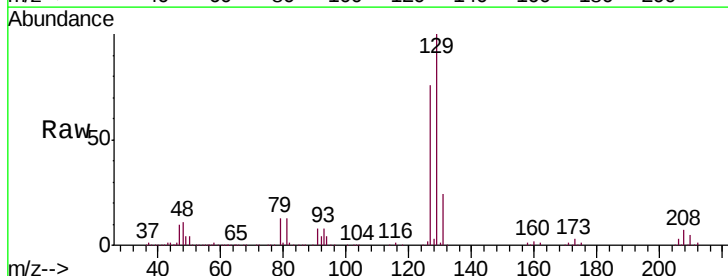


Abundance Ion 43.00 (42.70 to 43.70): VV013882.D (-2110) (-)
Ion 58.00 (57.70 to 58.70): VV013882.D (-2110) (-)
Ion 57.00 (56.70 to 57.70): VV013882.D (-2110) (-)
Ion 100.00 (99.70 to 100.70): VV013882.D (-2110) (-)

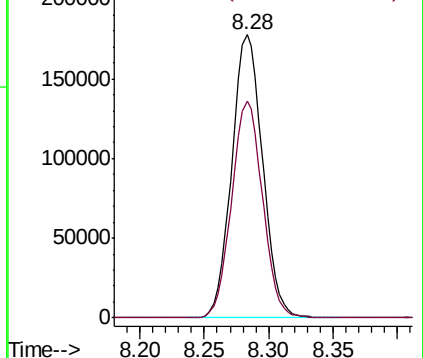
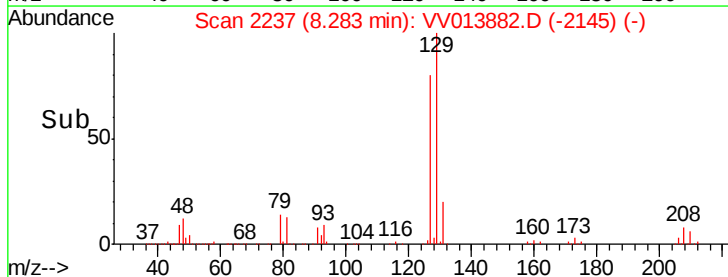


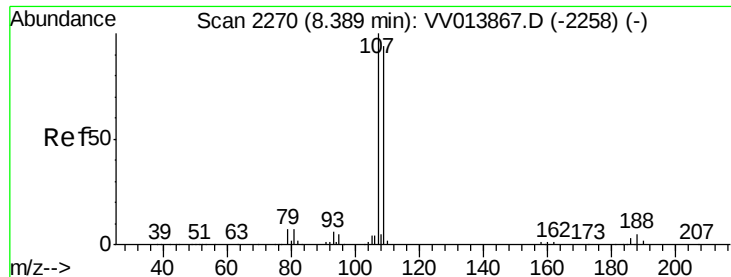
#49
Dibromochloromethane
Concen: 53.283 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013882.D
Acq: 03 Dec 2019 10:00

Tgt Ion:	129	Resp:	295511
Ion	Ratio	Lower	Upper
129	100		
127	76.4	53.7	99.7



Abundance Ion 129.00 (128.70 to 129.70): VV013882.D (-2145) (-)
Ion 127.00 (126.70 to 127.70): VV013882.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 51.620 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

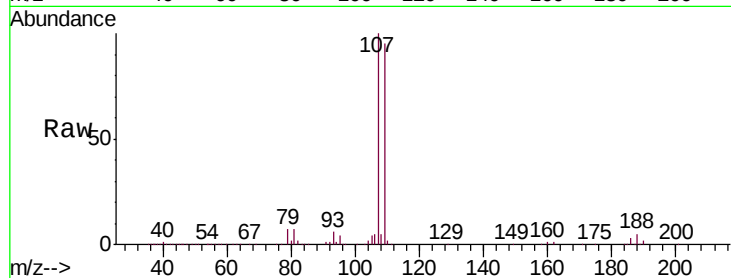
Tgt Ion:107 Resp: 257996

Ion Ratio Lower Upper

107 100

109 95.4 65.9 122.5

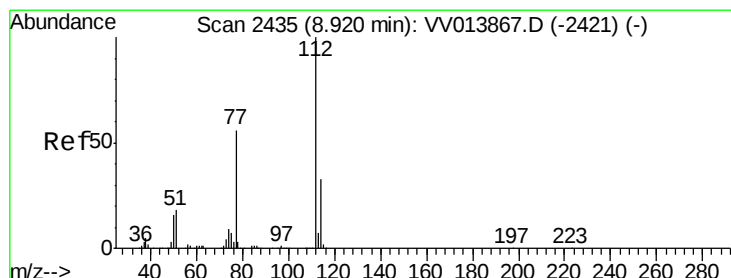
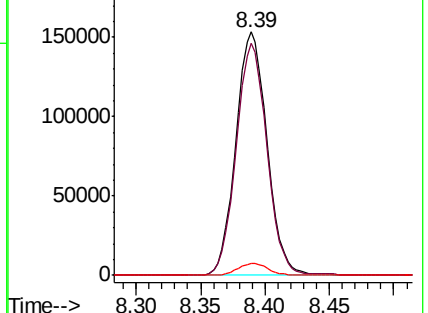
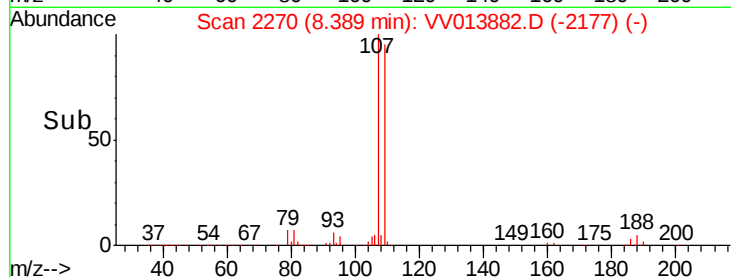
188 4.7 3.6 5.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.714 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

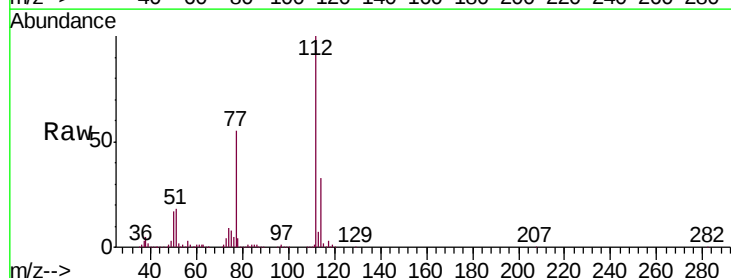
Tgt Ion:112 Resp: 681768

Ion Ratio Lower Upper

112 100

114 32.6 23.2 43.2

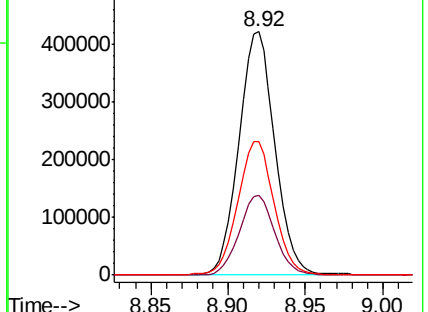
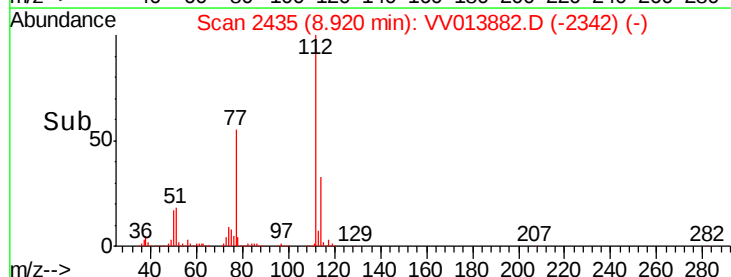
77 54.8 45.0 67.4

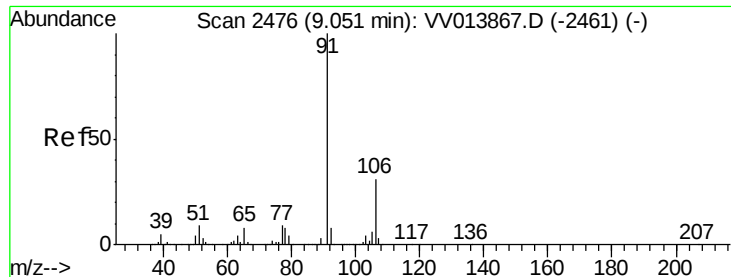


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 52.428 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

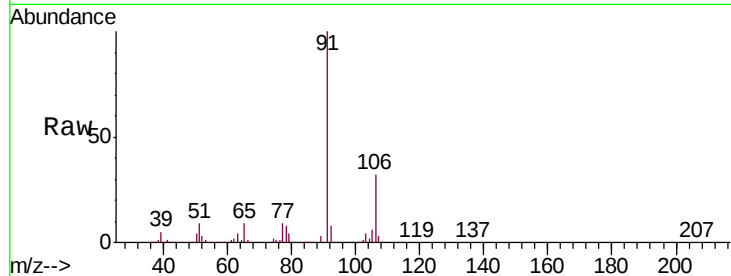
VSTD05097

Tgt Ion: 91 Resp: 1126195

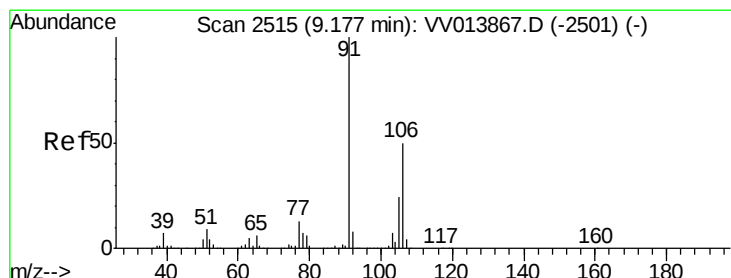
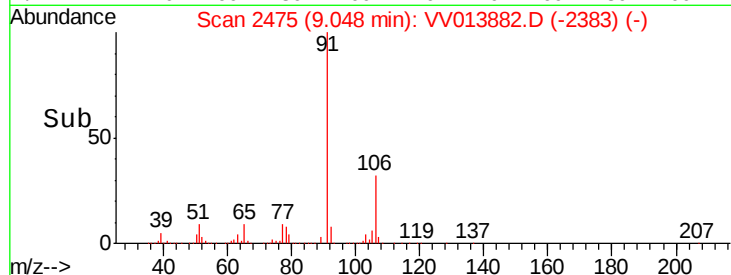
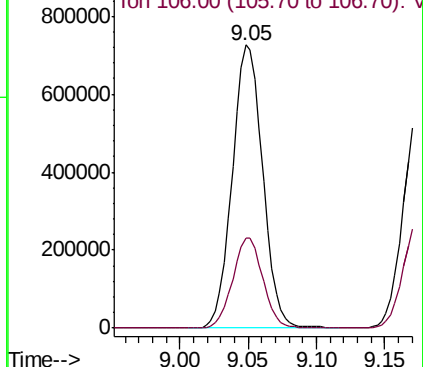
Ion Ratio Lower Upper

91 100

106 31.8 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV013867.D (-2461) (-)



#53

m,p-Xylene

Concen: 53.082 ug/L

RT: 9.17 min Scan# 2514

Delta R.T. -0.00 min

Lab File: VV013882.D

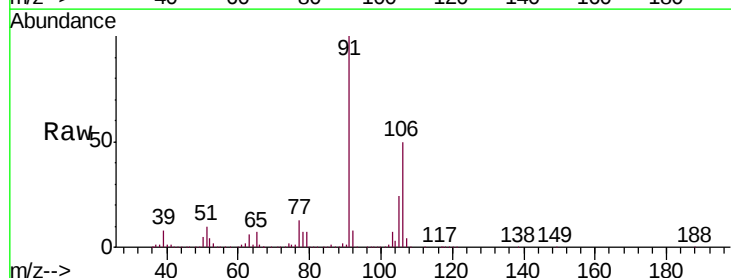
Acq: 03 Dec 2019 10:00

Tgt Ion: 106 Resp: 440940

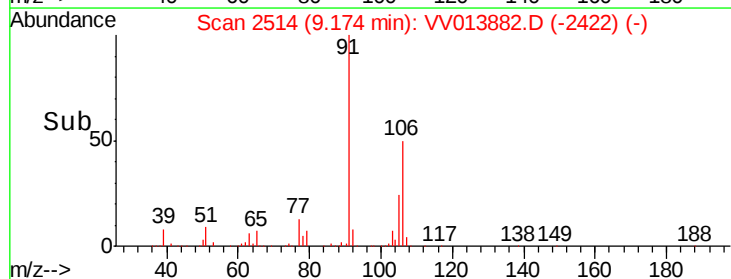
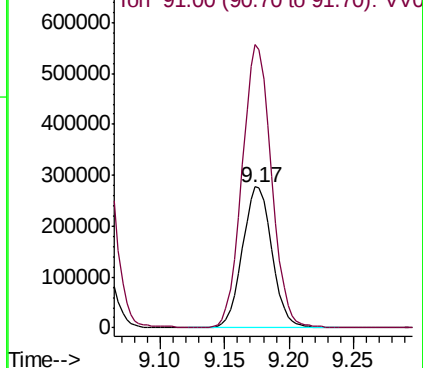
Ion Ratio Lower Upper

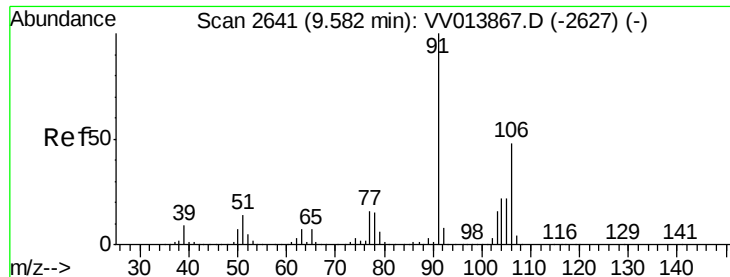
106 100

91 200.9 139.4 259.0



Abundance Ion 106.00 (105.70 to 106.70): VV013867.D (-2501) (-)





#54

o-xylene

Concen: 52.888 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

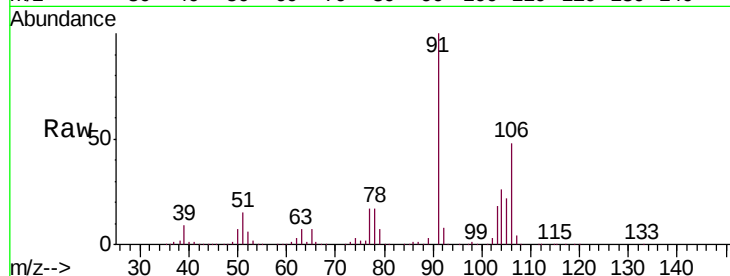
VSTD05097

Tgt Ion:106 Resp: 429552

Ion Ratio Lower Upper

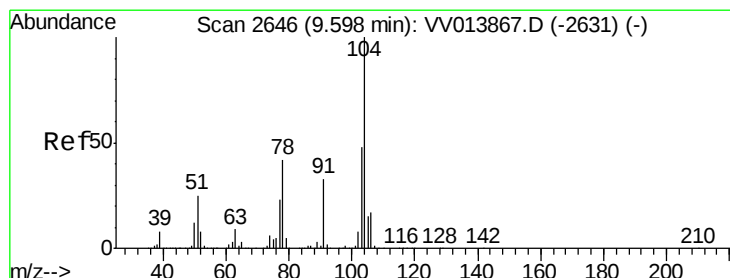
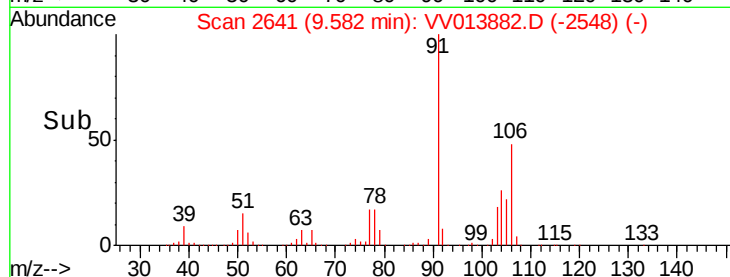
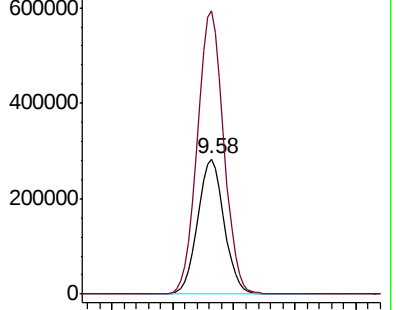
106 100

91 209.6 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.604 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013882.D

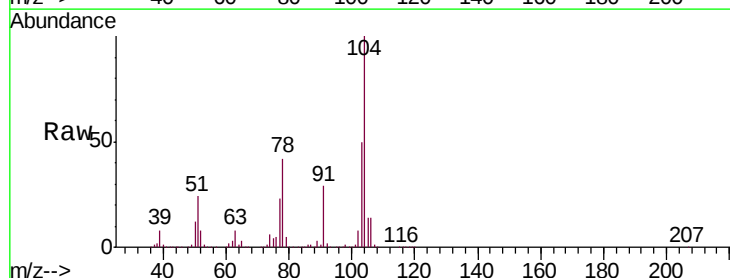
Acq: 03 Dec 2019 10:00

Tgt Ion:104 Resp: 751145

Ion Ratio Lower Upper

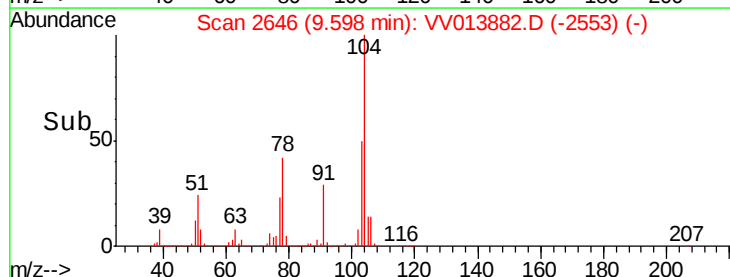
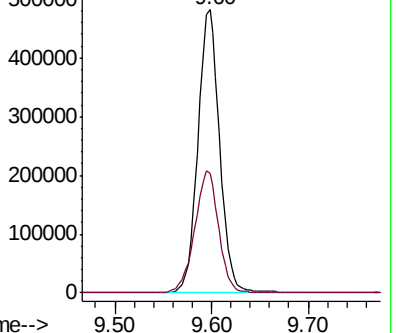
104 100

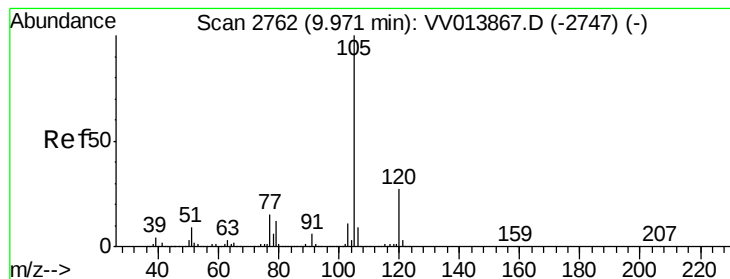
78 42.4 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.885 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

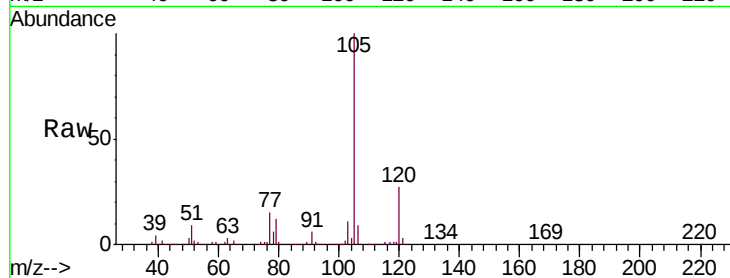
Tgt Ion: 105 Resp: 1132711

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

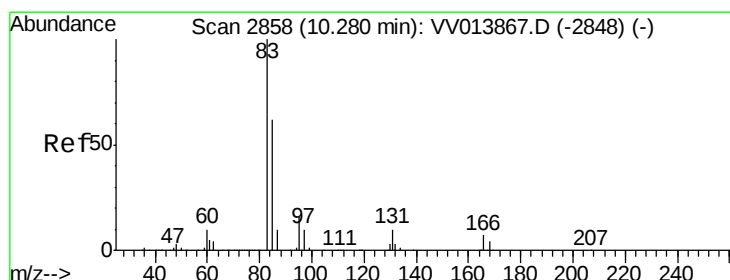
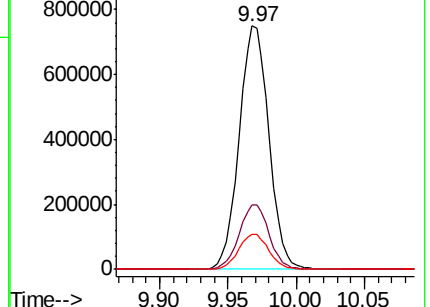
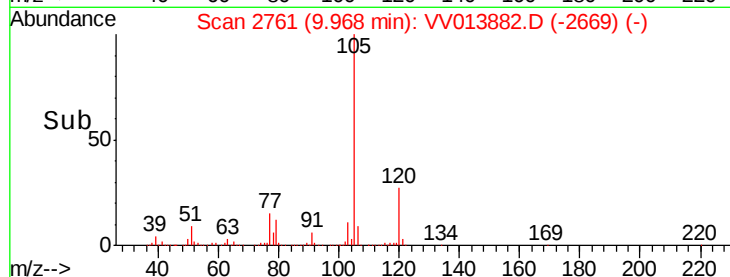
77 14.7 12.0 18.0



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: 48.307 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

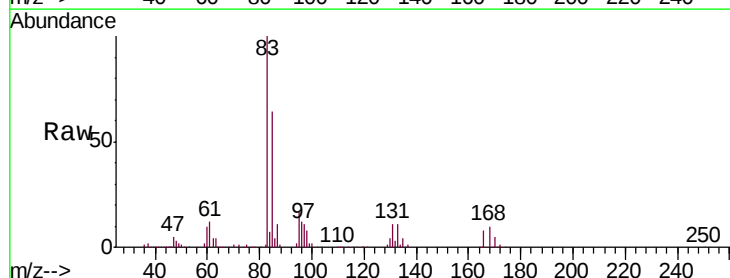
Tgt Ion: 83 Resp: 356798

Ion Ratio Lower Upper

83 100

85 63.8 44.1 81.9

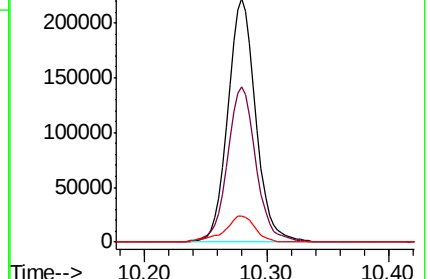
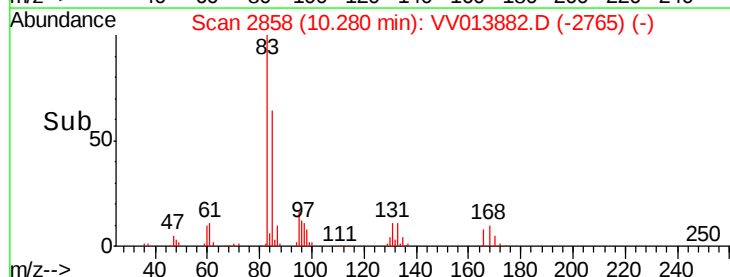
131 10.9 8.8 13.2

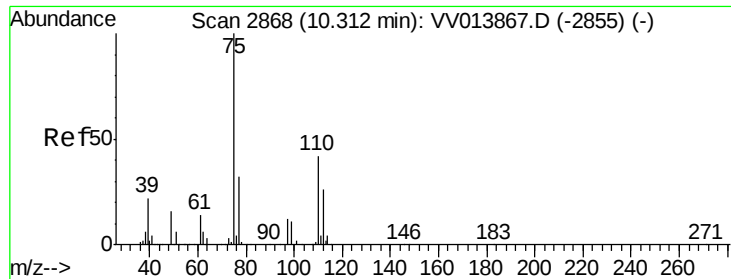


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.251 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

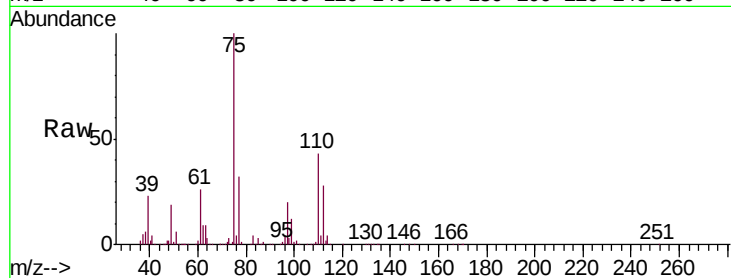
VSTD05097

Tgt Ion: 75 Resp: 298454

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013867.D (-2855) (-)

10.31

200000

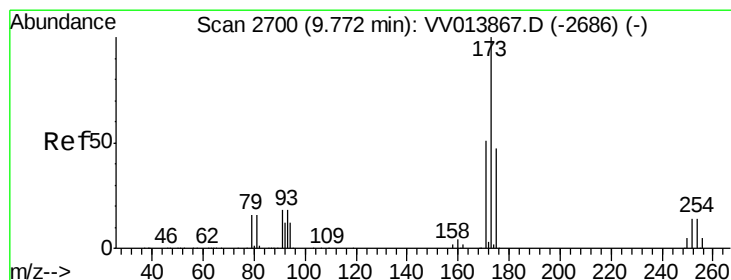
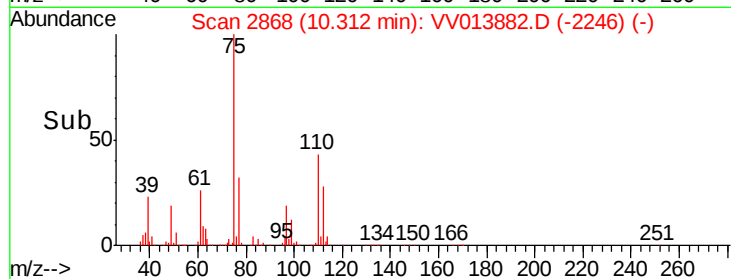
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 54.572 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

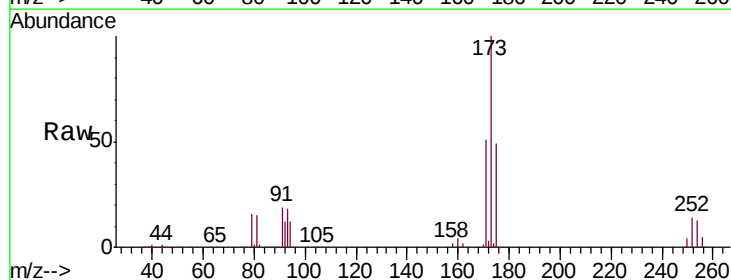
Tgt Ion: 173 Resp: 230831

Ion Ratio Lower Upper

173 100

175 48.4 38.4 57.6

254 13.5 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV013867.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013867.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013867.D (-2686) (-)

9.77

200000

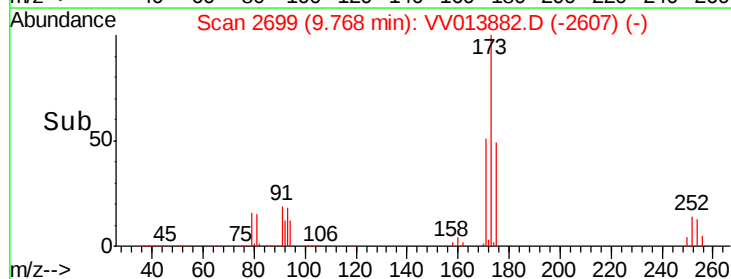
150000

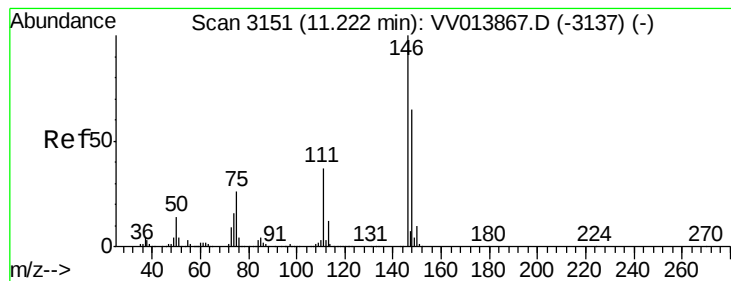
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 51.161 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

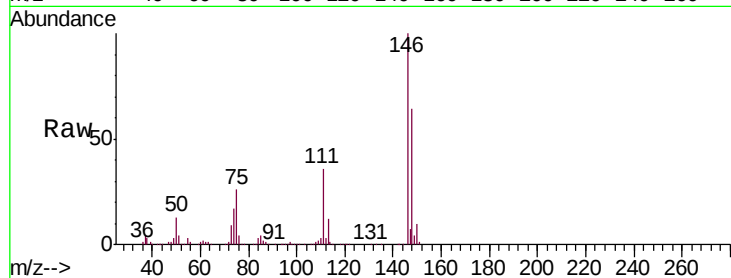
Tgt Ion:146 Resp: 580468

Ion Ratio Lower Upper

146 100

111 36.4 25.8 48.0

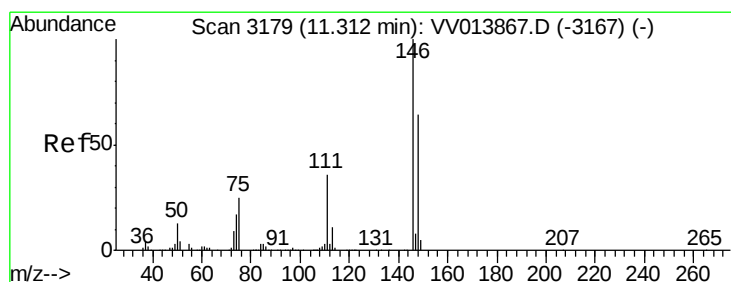
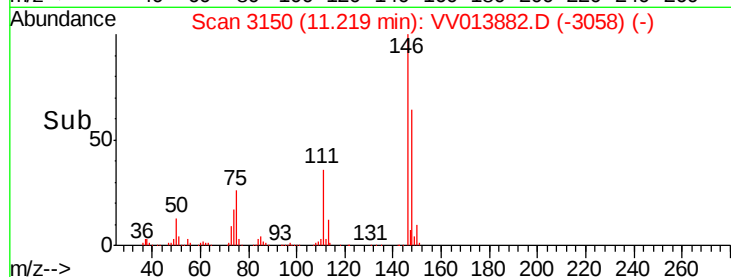
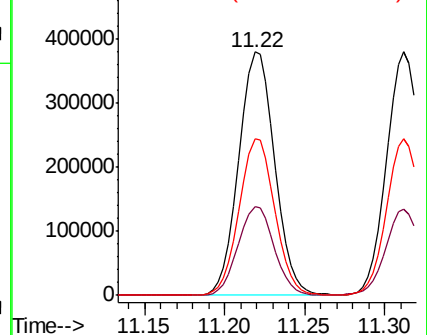
148 64.5 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.289 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

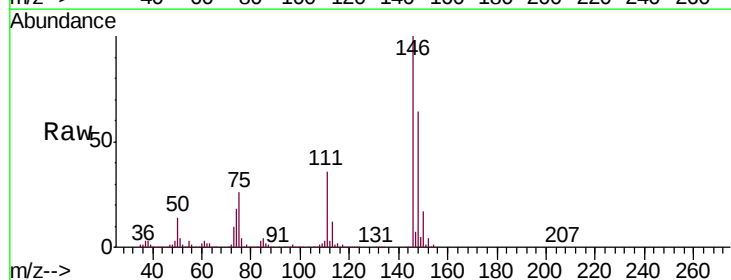
Tgt Ion:146 Resp: 578139

Ion Ratio Lower Upper

146 100

111 35.7 25.4 47.2

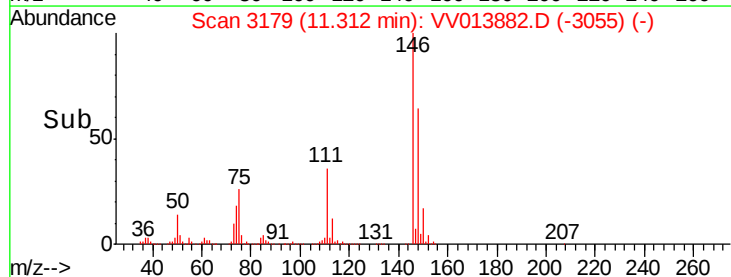
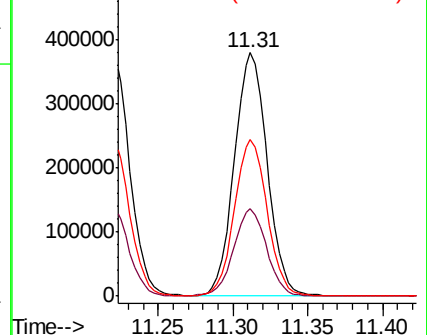
148 64.4 44.9 83.5

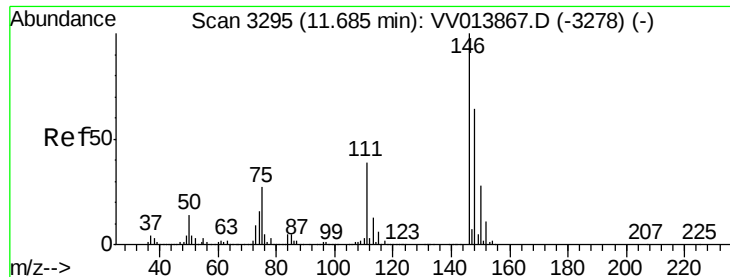


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.546 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

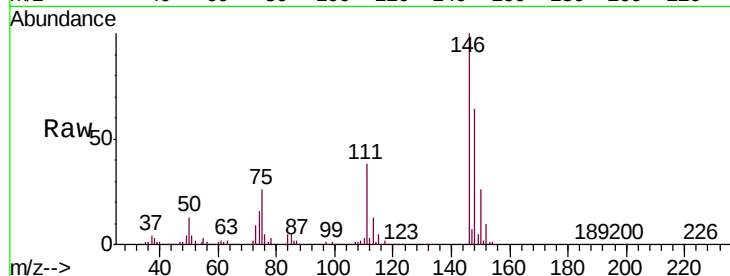
Tgt Ion:146 Resp: 585005

Ion Ratio Lower Upper

146 100

111 38.4 31.4 47.0

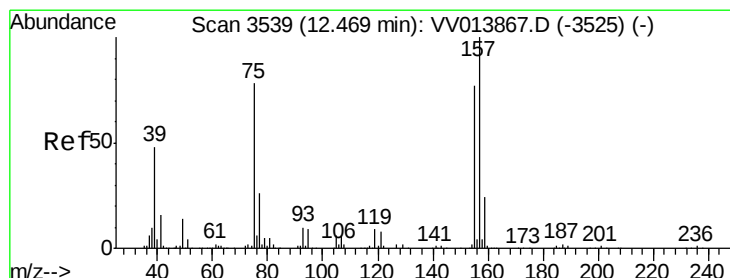
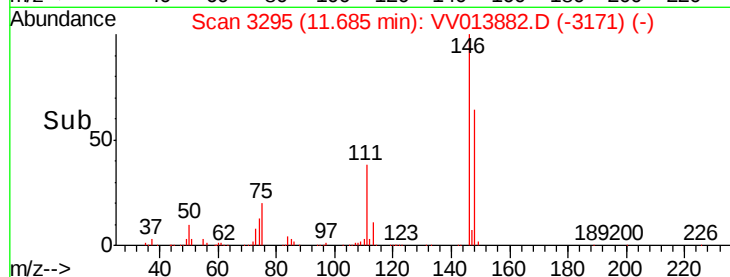
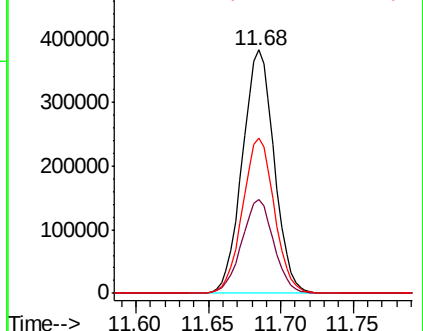
148 64.0 51.5 77.3



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: 49.145 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

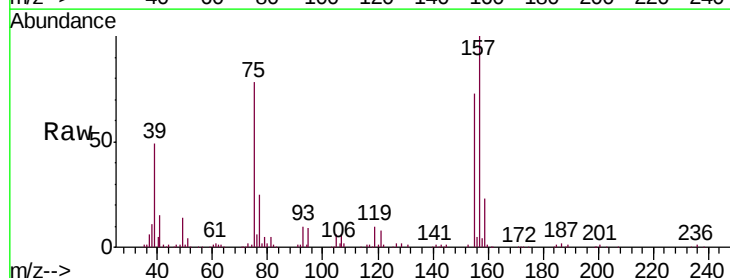
Tgt Ion: 75 Resp: 77516

Ion Ratio Lower Upper

75 100

155 93.2 78.6 117.8

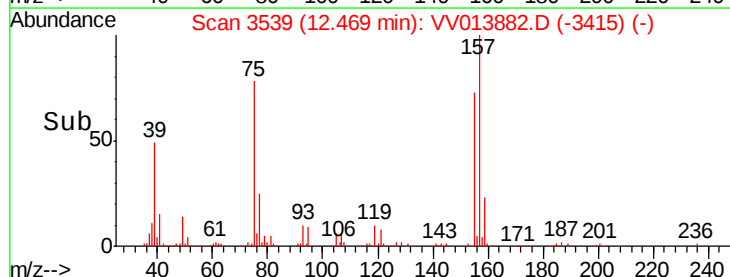
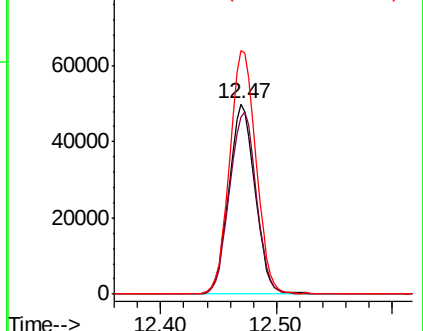
157 128.1 102.6 153.8

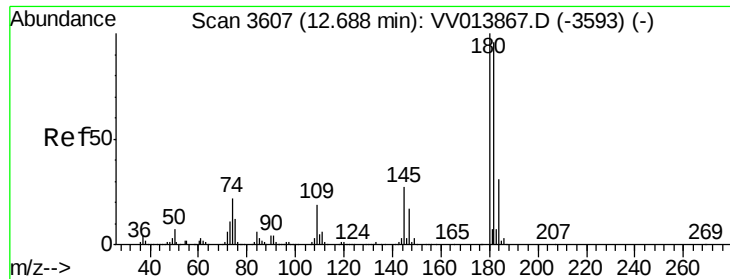


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

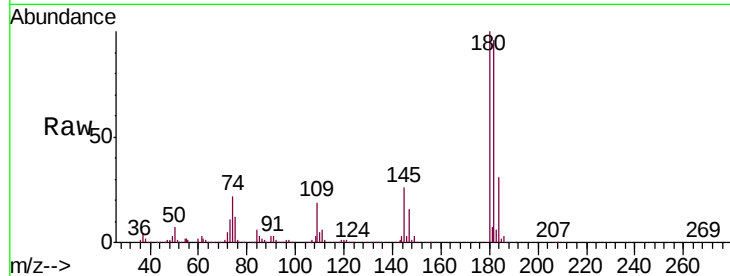




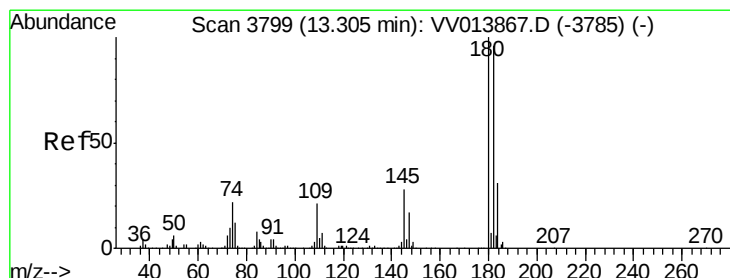
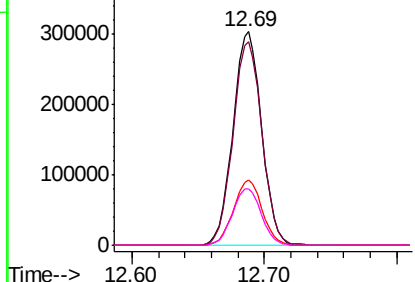
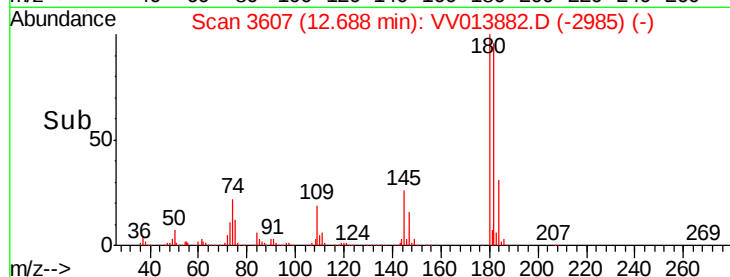
#67
 1,3,5-Trichlorobenzene
 Concen: 49.227 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Tgt Ion:	180	Resp:	453564
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	30.5	24.2	36.4
145	26.8	21.1	31.7

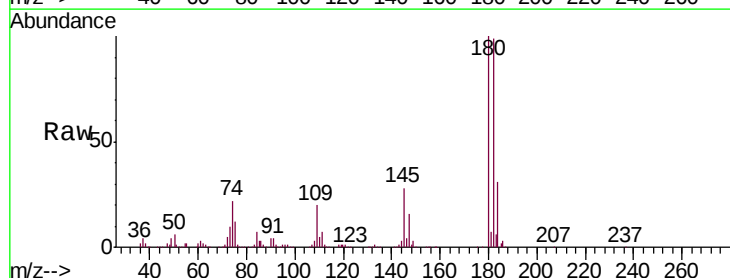


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

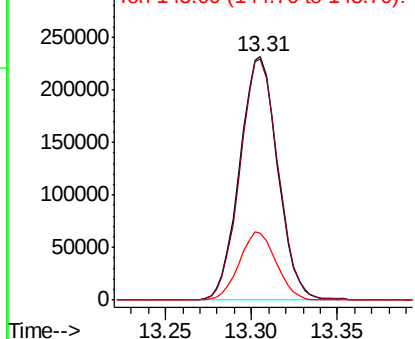
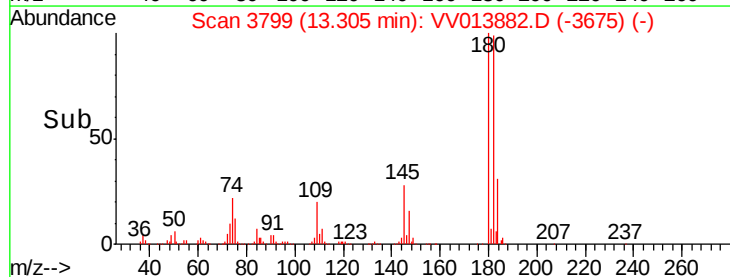


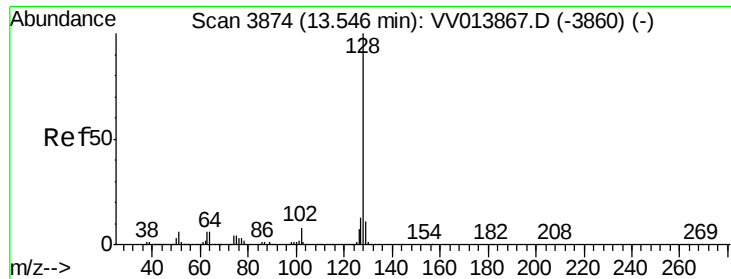
#68
 1,2,4-trichlorobenzene
 Concen: 42.684 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013882.D
 Acq: 03 Dec 2019 10:00

Tgt Ion:	180	Resp:	354859
Ion	Ratio	Lower	Upper
180	100		
182	99.4	76.2	114.4
145	27.3	21.9	32.9



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





#69

Naphthalene

Concen: 37.657 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05097

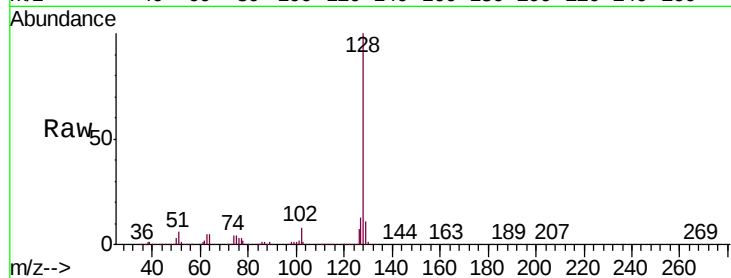
Tgt Ion:128 Resp: 822023

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

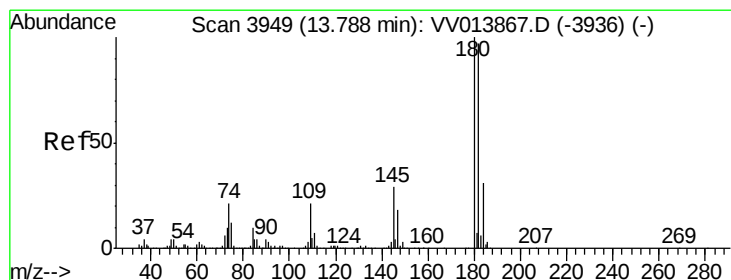
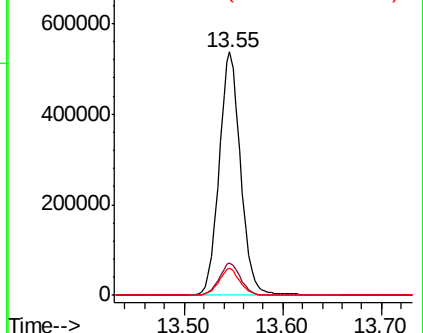
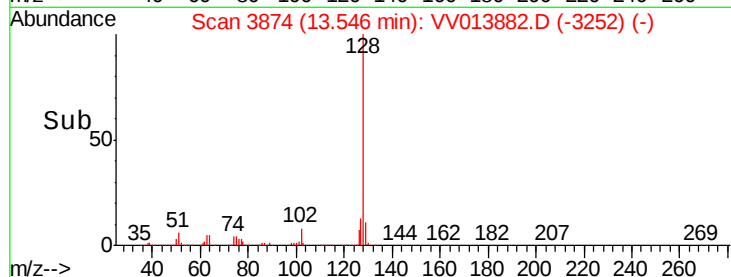
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 44.928 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013882.D

Acq: 03 Dec 2019 10:00

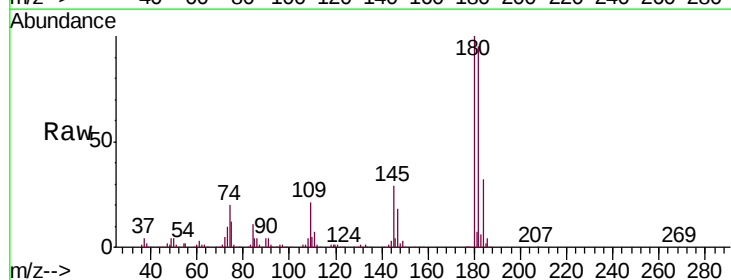
Tgt Ion:180 Resp: 390616

Ion Ratio Lower Upper

180 100

182 94.2 77.0 115.4

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

