

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV121420\
 Data File : VV019642.D
 Acq On : 15 Dec 2020 07:04
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Dec 15 10:32:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 10:26:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	578019	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	520929	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	241819	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	146706	35.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.78%
7) Chloroethane-d5	1.57	69	138053	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.46%
11) 1,1-Dichloroethene-d2	2.11	63	299147	38.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.78%
21) 2-Butanone-d5	3.89	46	268918	119.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.37%
24) Chloroform-d	4.35	84	346791	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.04	65	237258	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
32) Benzene-d6	5.05	84	614329	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.44%
36) 1,2-Dichloropropane-d6	6.07	67	211618	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.32	98	502468	40.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.34%
43) trans-1,3-Dichloropropene-	7.62	79	102296	41.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.64%
47) 2-Hexanone-d5	8.09	63	194128	113.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.65%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	312033	53.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.02%
64) 1,2-Dichlorobenzene-d4	11.63	152	197864	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	172787	37.041 ug/L	99
3) Chloromethane	1.24	50	250996	50.621 ug/L	100
5) Vinyl chloride	1.31	62	230559	46.358 ug/L	100
6) Bromomethane	1.52	94	150547	50.405 ug/L	99
8) Chloroethane	1.59	64	150120	50.042 ug/L	100
9) Trichlorofluoromethane	1.76	101	247815	40.784 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	127076	37.869 ug/L	99
12) 1,1-Dichloroethene	2.12	96	153234	44.499 ug/L #	86
13) Acetone	2.19	43	225521	117.505 ug/L	100
14) Carbon disulfide	2.30	76	446014	39.419 ug/L	99
15) Methyl Acetate	2.44	43	244455	58.461 ug/L	99
16) Methylene chloride	2.51	84	209853	51.978 ug/L	98
17) trans-1,2-Dichloroethene	2.77	96	171839	45.528 ug/L	99
18) Methyl tert-butyl Ether	2.77	73	692209	52.486 ug/L	99
19) 1,1-Dichloroethane	3.19	63	364329	49.790 ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	203178	48.969 ug/L #	97
22) 2-Butanone	3.97	43	345283	122.647 ug/L	98

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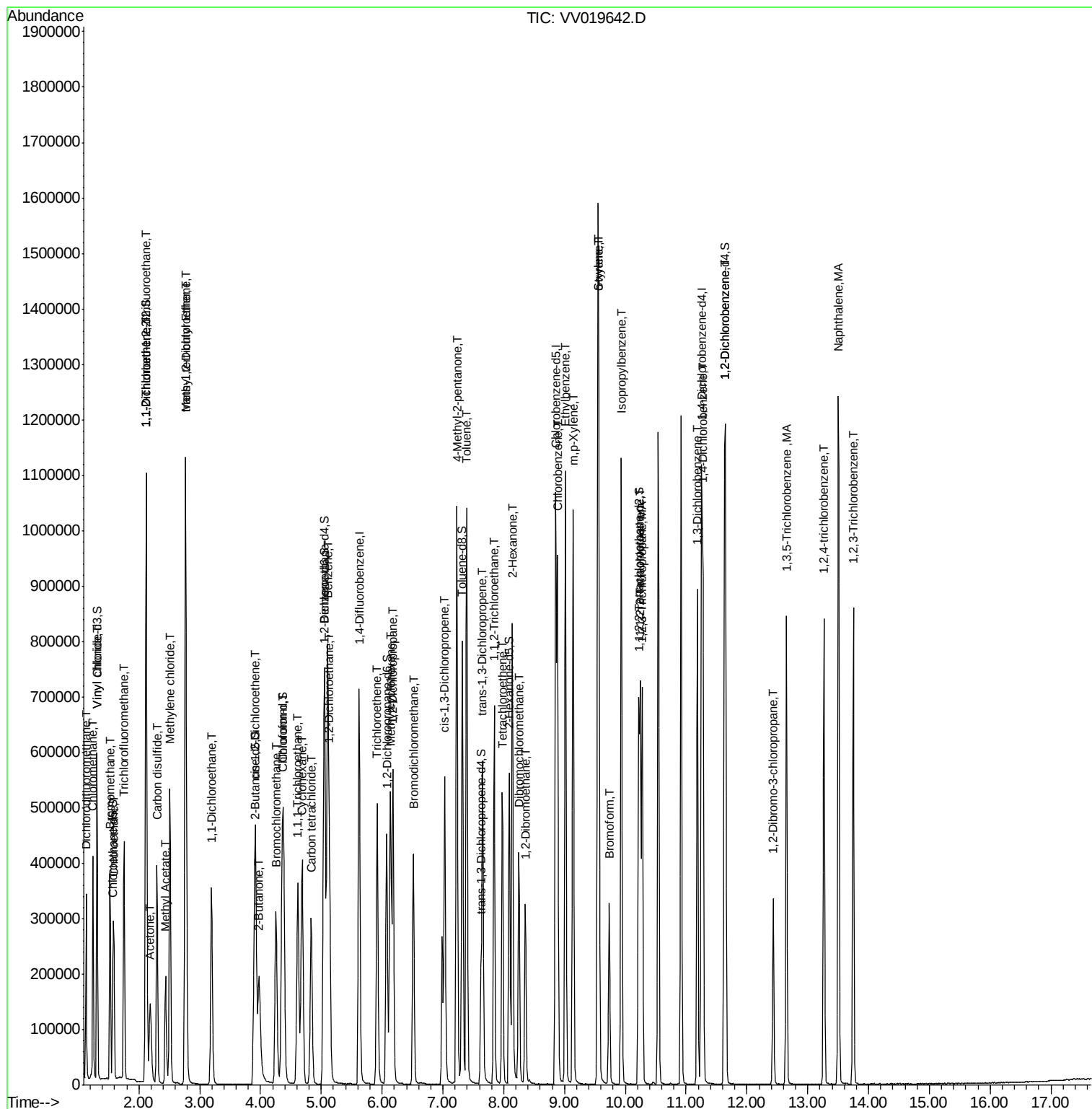
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	103093	50.500	ug/L	96
25) Chloroform	4.38	83	371389	50.819	ug/L	100
27) 1,2-Dichloroethane	5.14	62	315508	52.113	ug/L	100
29) Cyclohexane	4.68	56	230285	36.069	ug/L	99
30) 1,1,1-Trichloroethane	4.61	97	294536	45.093	ug/L	99
31) Carbon tetrachloride	4.83	117	221775	40.220	ug/L	100
33) Benzene	5.10	78	757117	49.730	ug/L	100
34) Trichloroethene	5.92	95	179011	44.511	ug/L	98
35) Methylcyclohexane	6.14	83	218212	35.715	ug/L	100
37) 1,2-Dichloropropane	6.18	63	212708	53.500	ug/L	100
38) Bromodichloromethane	6.51	83	275578	49.568	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	319079	48.321	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	684958	119.413	ug/L	99
42) Toluene	7.39	91	725674	45.225	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	310454	46.431	ug/L	97
45) 1,1,2-Trichloroethane	7.84	97	200090	52.996	ug/L	98
46) Tetrachloroethene	7.98	164	106481	38.263	ug/L	98
48) 2-Hexanone	8.14	43	528266	121.374	ug/L	98
49) Dibromochloromethane	8.25	129	204735	49.515	ug/L	99
50) 1,2-Dibromoethane	8.35	107	209607	52.719	ug/L	99
51) Chlorobenzene	8.88	112	458732	44.761	ug/L	99
52) Ethylbenzene	9.02	91	755752	41.339	ug/L	99
53) m,p-Xylene	9.14	106	275696	40.365	ug/L	98
54) o-xylene	9.55	106	287431	42.934	ug/L	99
55) Styrene	9.56	104	513783	44.034	ug/L	99
56) Isopropylbenzene	9.94	105	700526	39.278	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.24	83	330555	54.442	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	279818	56.582	ug/L	100
61) Bromoform	9.74	173	136015	50.833	ug/L	98
62) 1,3-Dichlorobenzene	11.19	146	323544	43.609	ug/L	99
63) 1,4-Dichlorobenzene	11.28	146	333180	44.348	ug/L	100
65) 1,2-Dichlorobenzene	11.65	146	344928	47.049	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	84392	55.147	ug/L	96
67) 1,3,5-Trichlorobenzene	12.65	180	222834	42.510	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	219347	44.754	ug/L	99
69) Naphthalene	13.51	128	898121	52.773	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	225620	47.106	ug/L	99

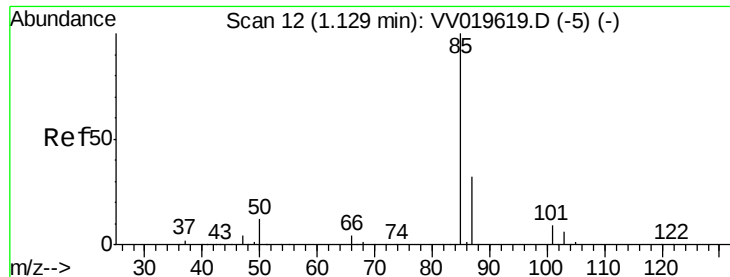
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 37.041 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

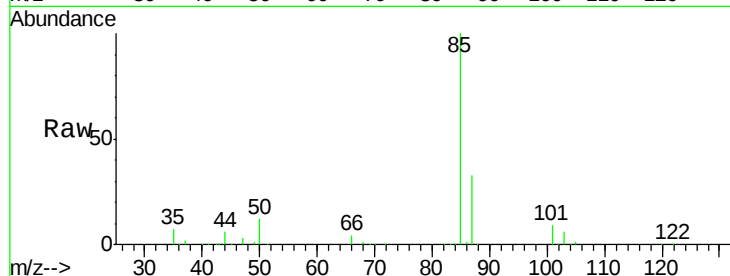
VSTD05089

Tgt Ion: 85 Resp: 172787

Ion Ratio Lower Upper

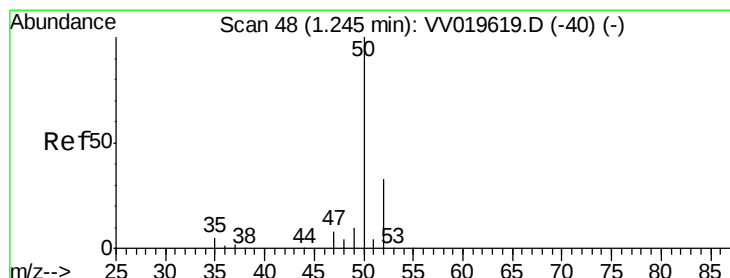
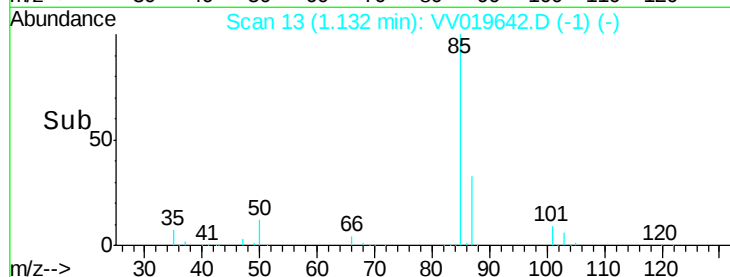
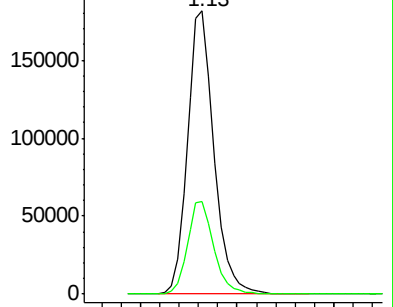
85 100

87 32.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.621 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV019642.D

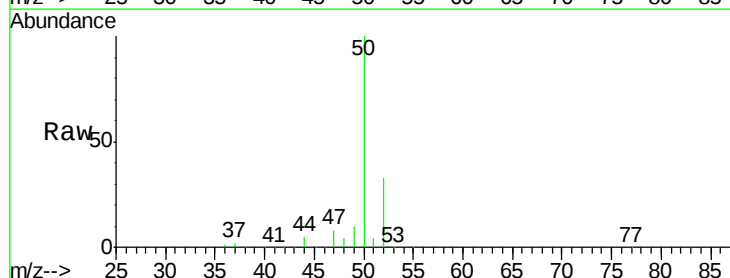
Acq: 15 Dec 2020 07:04

Tgt Ion: 50 Resp: 250996

Ion Ratio Lower Upper

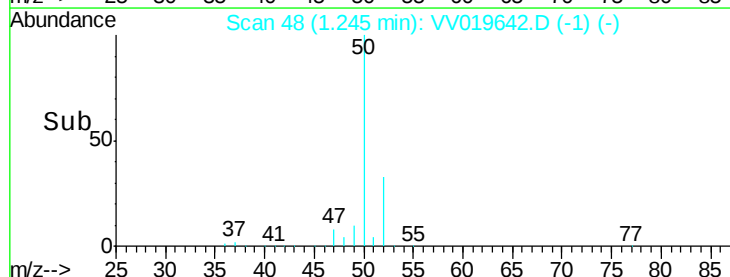
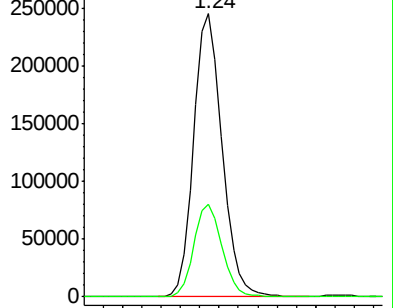
50 100

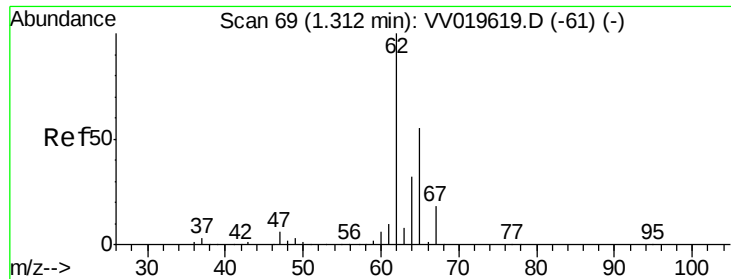
52 32.8 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 46.358 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

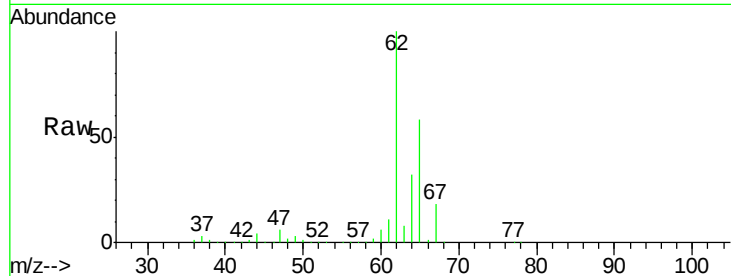
VSTD05089

Tgt Ion: 62 Resp: 230559

Ion Ratio Lower Upper

62 100

64 32.2 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

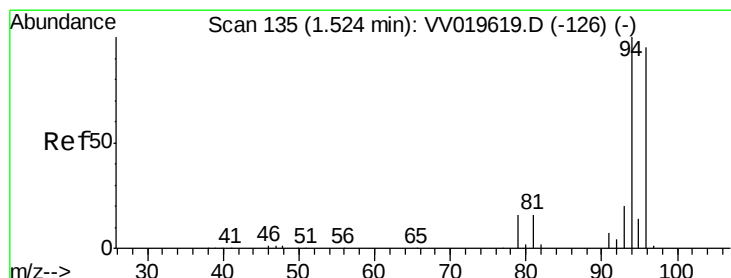
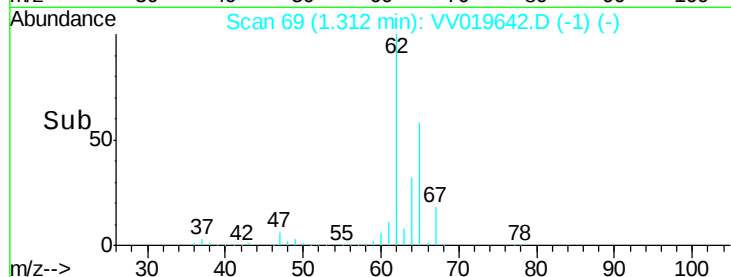
150000

100000

50000

0

Time--> 1.25 1.30 1.35



#6

Bromomethane

Concen: 50.405 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019642.D

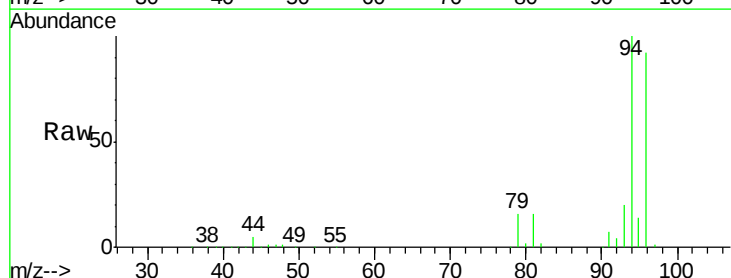
Acq: 15 Dec 2020 07:04

Tgt Ion: 94 Resp: 150547

Ion Ratio Lower Upper

94 100

96 92.3 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

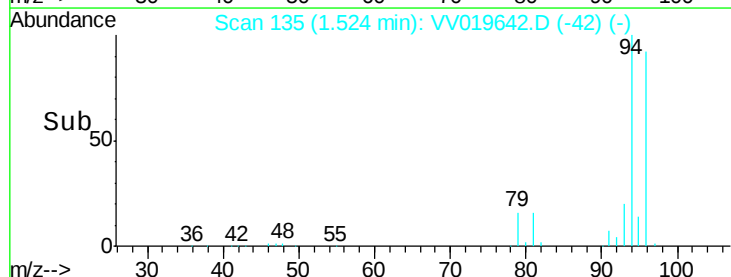
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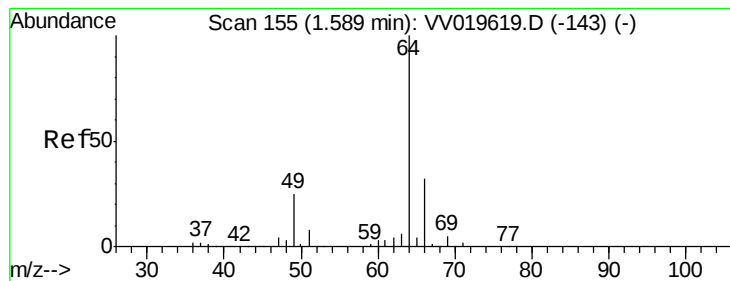
100000

50000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 50.042 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

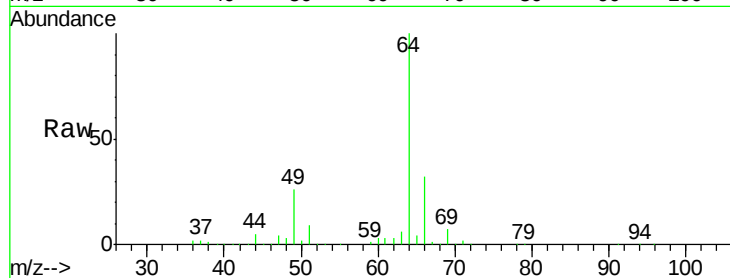
VSTD05089

Tgt Ion: 64 Resp: 150120

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019619.D (-143) (-)

Ion 66.00 (65.70 to 66.70): VV019619.D (-143) (-)

1.59

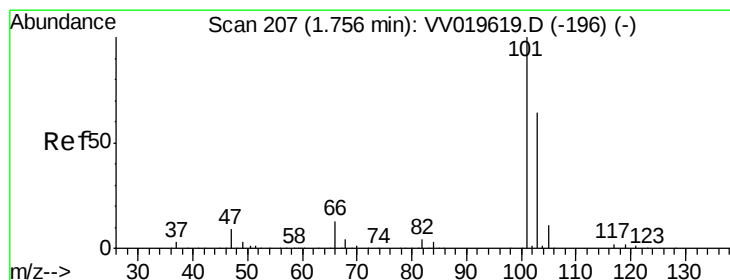
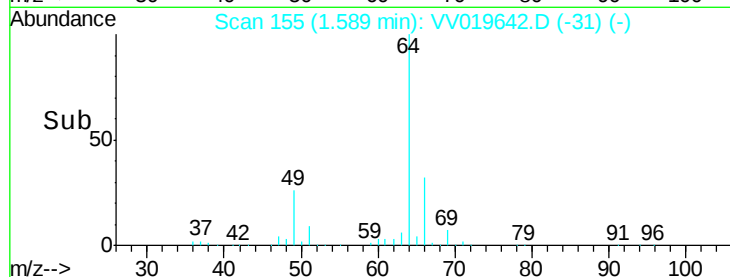
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 40.784 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV019642.D

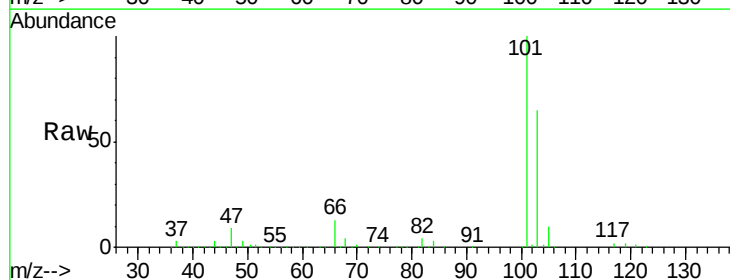
Acq: 15 Dec 2020 07:04

Tgt Ion: 101 Resp: 247815

Ion Ratio Lower Upper

101 100

103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019619.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019619.D (-196) (-)

1.76

200000

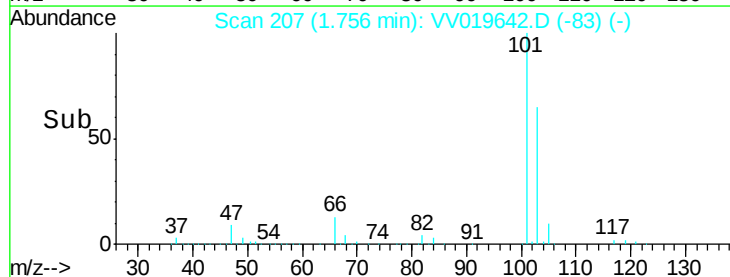
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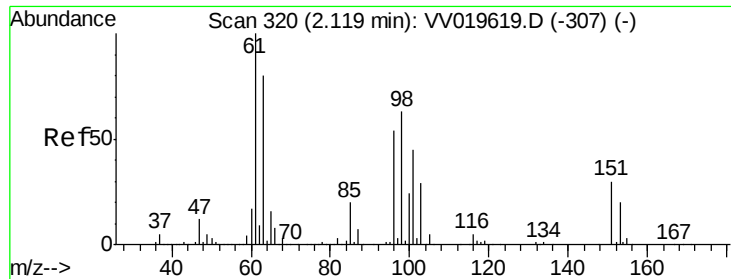
100000

50000

0

Time-->





#10

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

Concen: 37.869 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

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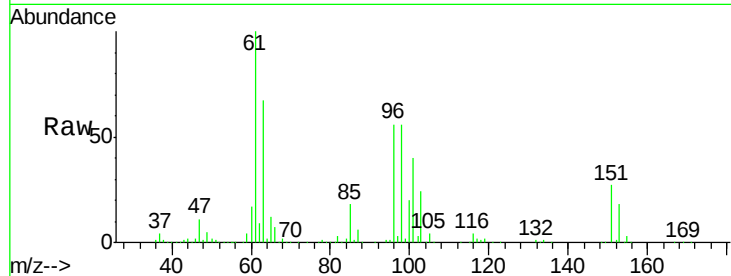
Tgt Ion: 101 Resp: 127076

Ion Ratio Lower Upper

101 100

85 43.6 35.0 52.4

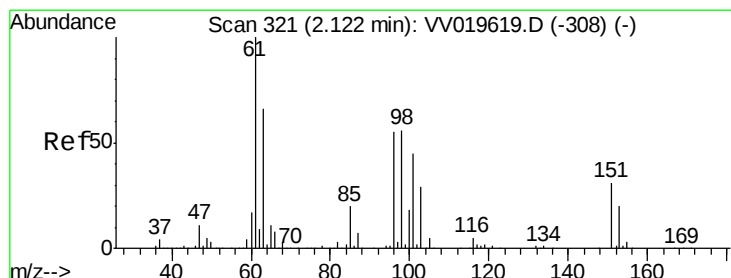
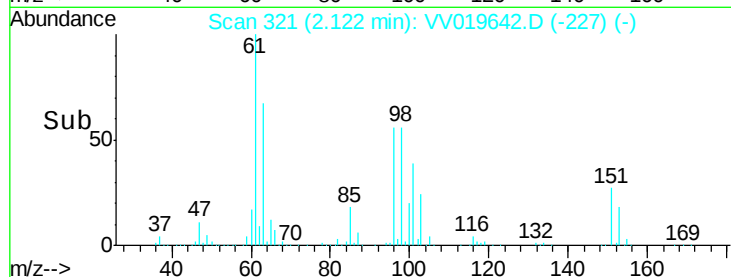
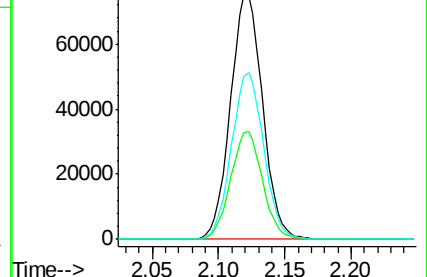
151 68.2 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019642.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019642.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019642.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 44.499 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

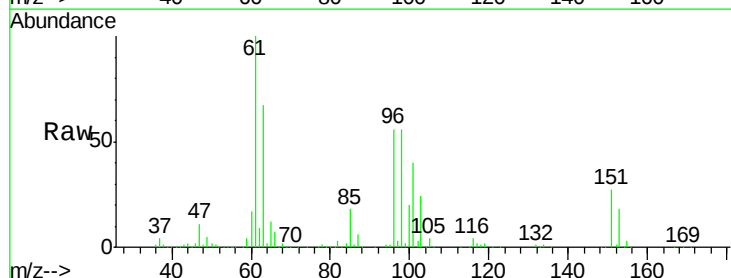
Tgt Ion: 96 Resp: 153234

Ion Ratio Lower Upper

96 100

61 179.3 120.7 224.1

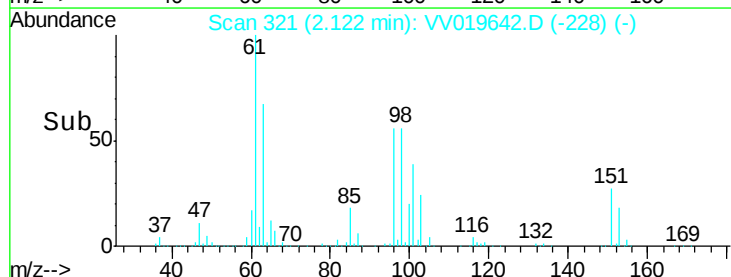
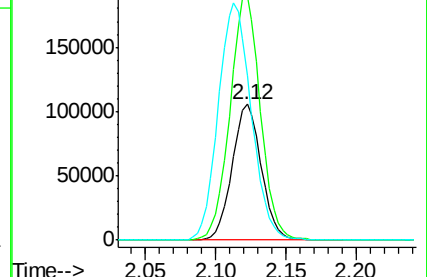
63 121.0 64.3 119.5#

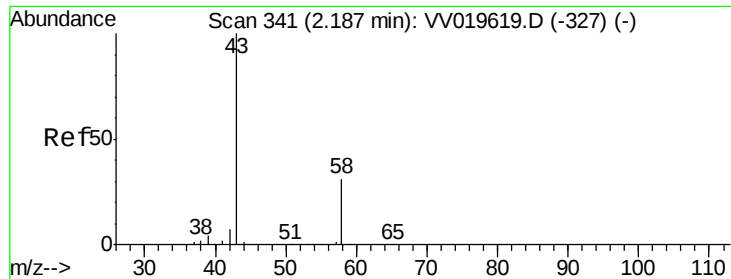


Abundance Ion 96.00 (95.70 to 96.70): VV019642.D (-228) (-)

Ion 61.00 (60.70 to 61.70): VV019642.D (-228) (-)

Ion 63.00 (62.70 to 63.70): VV019642.D (-228) (-)





#13

Acetone

Concen: 117.505 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

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ClientSampleId :

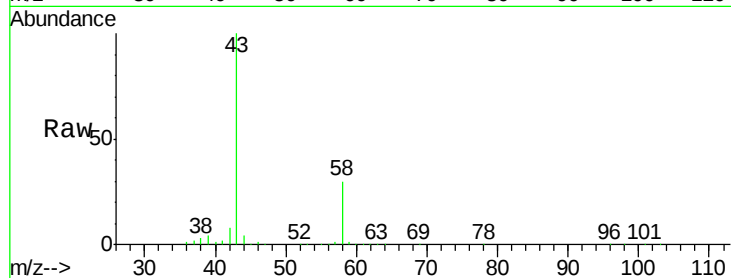
VSTD05089

Tgt Ion: 43 Resp: 225521

Ion Ratio Lower Upper

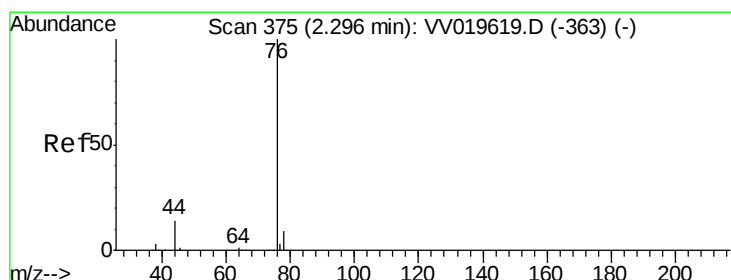
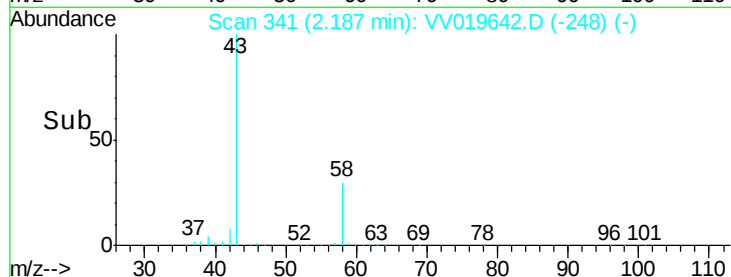
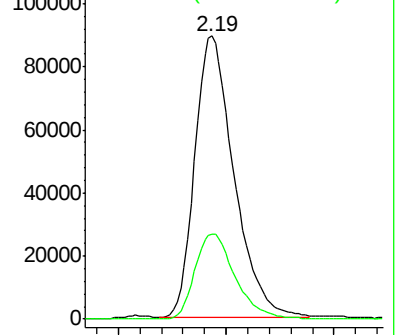
43 100

58 30.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 39.419 ug/L

RT: 2.30 min Scan# 376

Delta R.T. 0.00 min

Lab File: VV019642.D

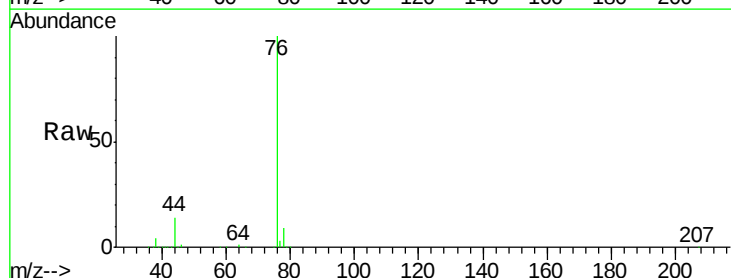
Acq: 15 Dec 2020 07:04

Tgt Ion: 76 Resp: 446014

Ion Ratio Lower Upper

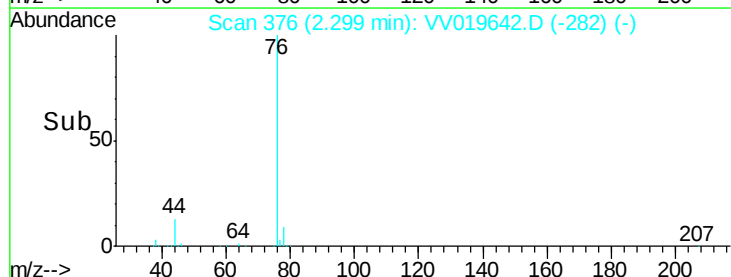
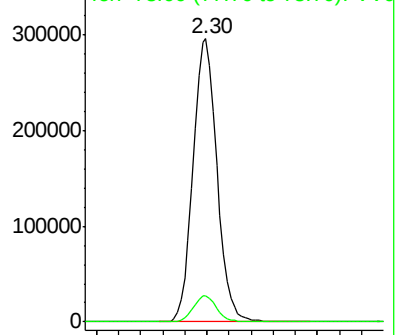
76 100

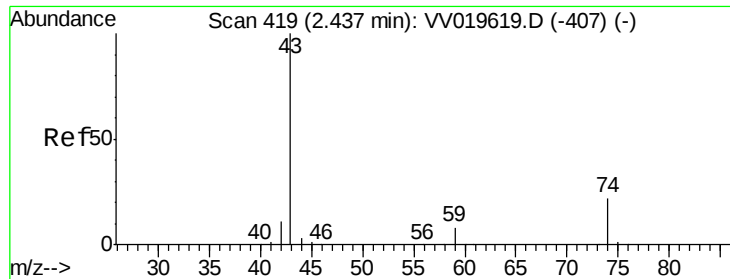
78 9.2 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

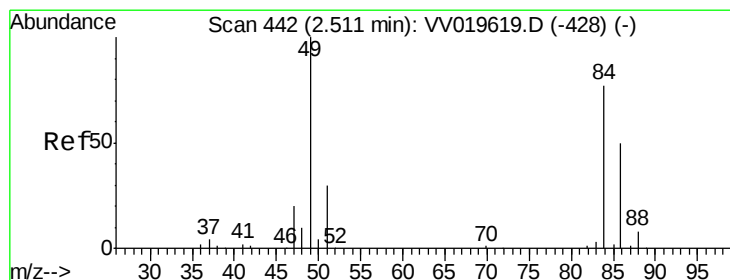
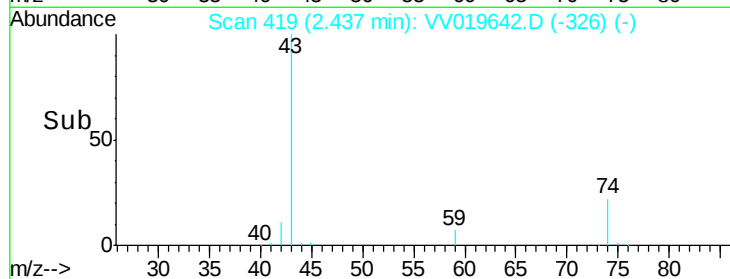
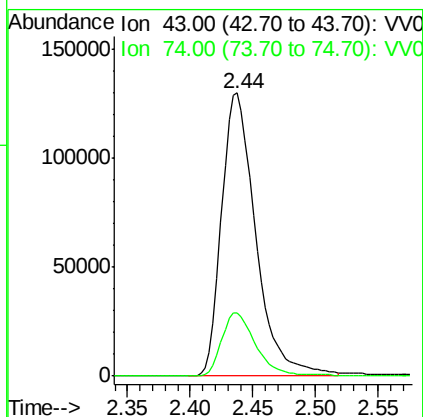
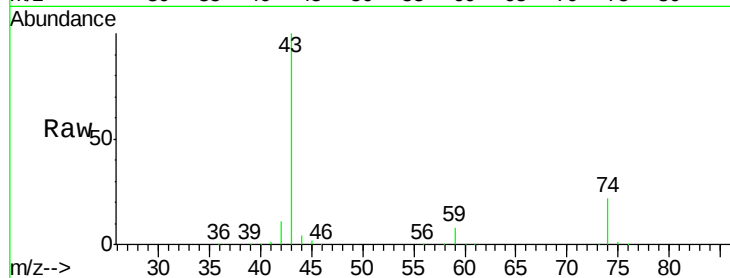




#15
Methyl Acetate
Concen: 58.461 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

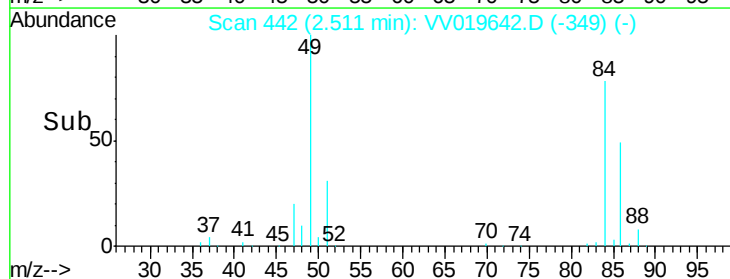
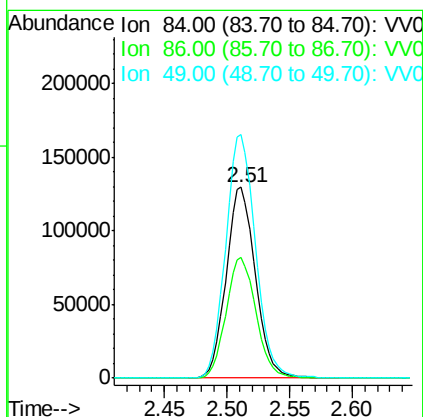
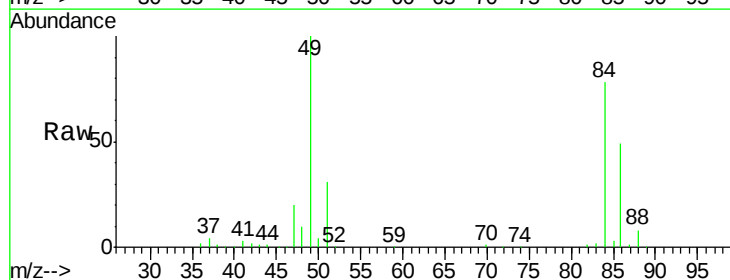
Instrument :
MSVOA_V
ClientSampled :
VSTD05089

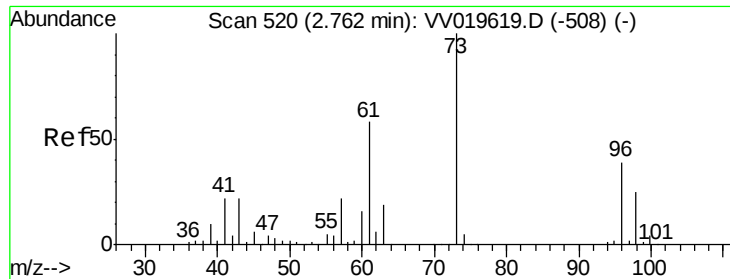
Tgt Ion: 43 Resp: 244455
Ion Ratio Lower Upper
43 100
74 22.3 18.2 27.4



#16
Methylene chloride
Concen: 51.978 ug/L
RT: 2.51 min Scan# 442
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion: 84 Resp: 209853
Ion Ratio Lower Upper
84 100
86 63.0 45.7 84.9
49 127.4 90.6 168.3

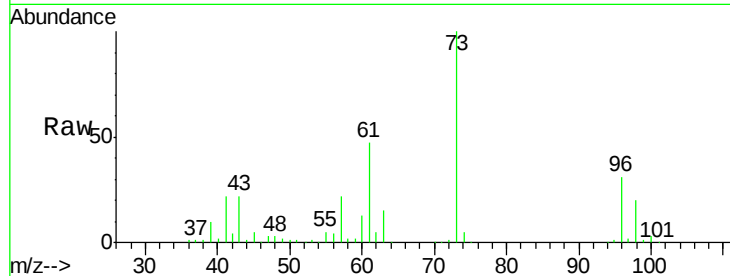




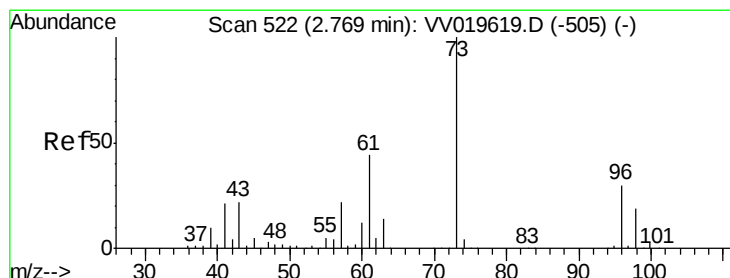
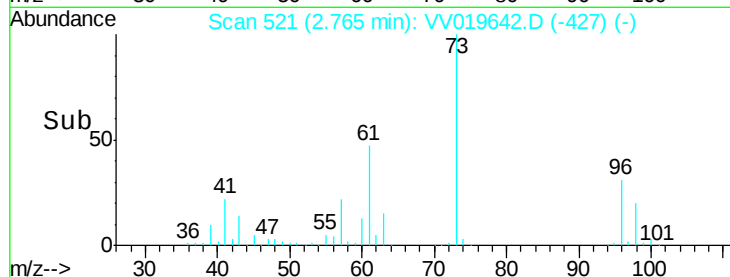
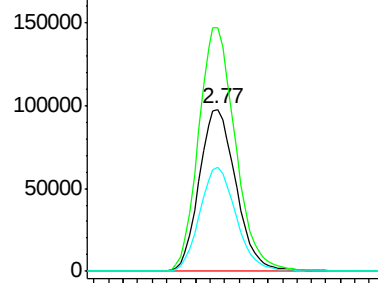
#17
trans-1,2-Dichloroethene
Concen: 45.528 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tgt Ion: 96 Resp: 171839
Ion Ratio Lower Upper
96 100
61 150.1 103.5 192.1
98 63.9 44.4 82.5

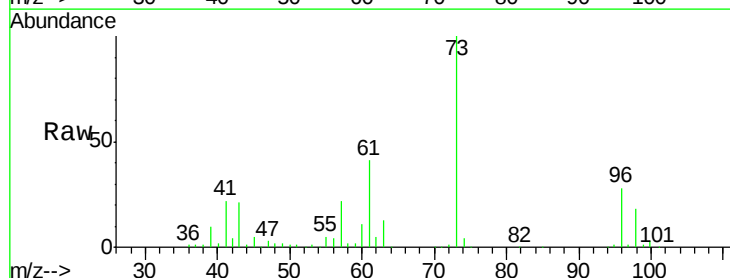


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

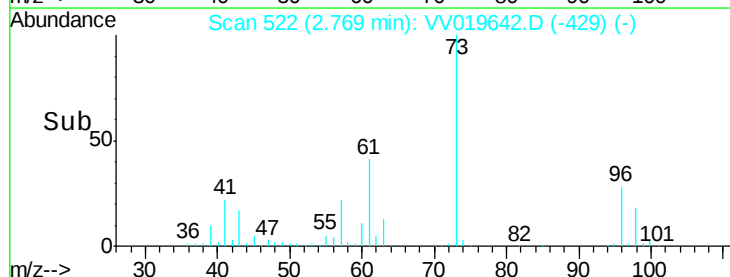
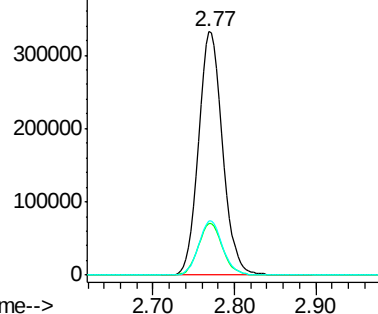


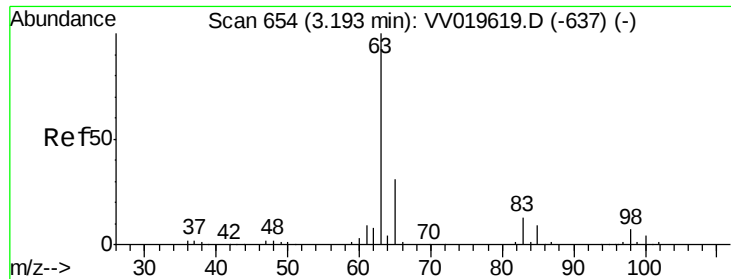
#18
Methyl tert-butyl Ether
Concen: 52.486 ug/L
RT: 2.77 min Scan# 522
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion: 73 Resp: 692209
Ion Ratio Lower Upper
73 100
43 21.1 17.3 25.9
57 22.2 17.5 26.3



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

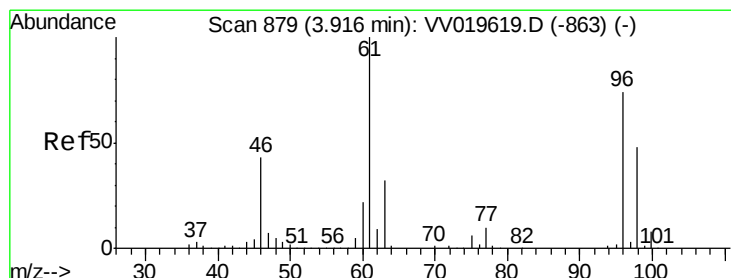
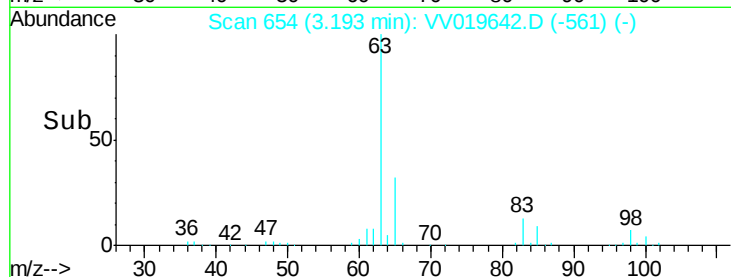
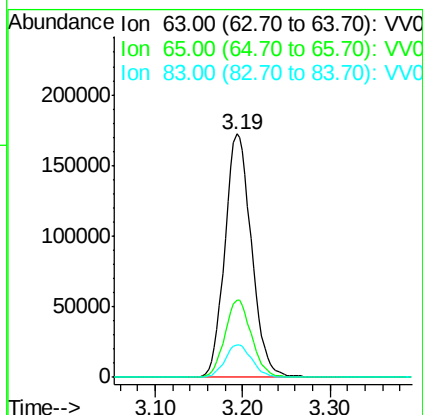
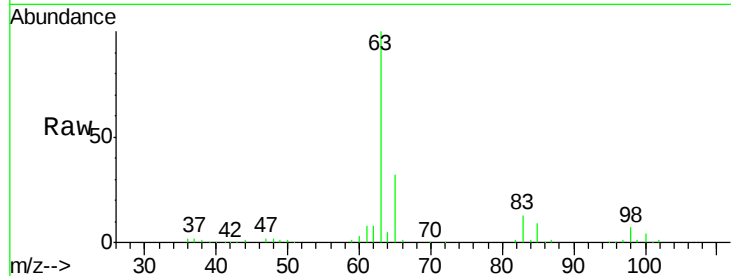




#19
 1,1-Dichloroethane
 Concen: 49.790 ug/L
 RT: 3.19 min Scan# 654
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

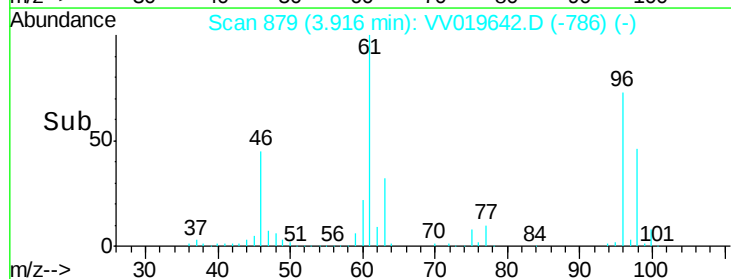
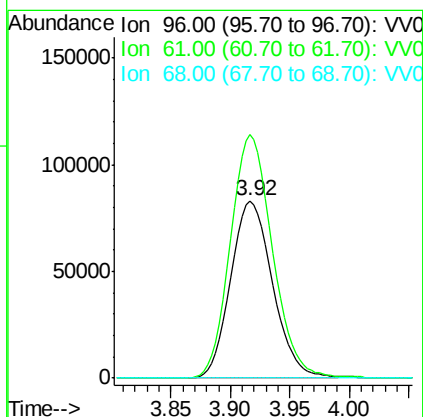
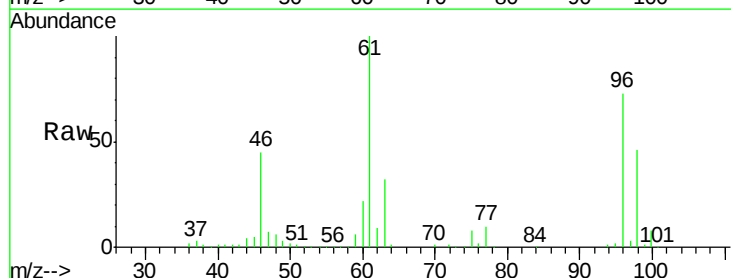
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

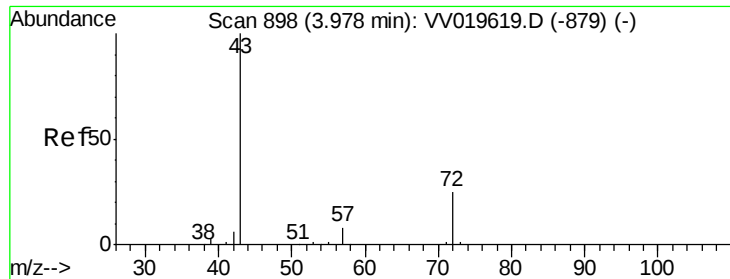
Tgt Ion: 63 Resp: 364329
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.4 41.6
 83 13.3 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.969 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Tgt Ion: 96 Resp: 203178
 Ion Ratio Lower Upper
 96 100
 61 137.5 94.1 174.8
 68 0.0 0.1 0.1#





#22

2-Butanone

Concen: 122.647 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

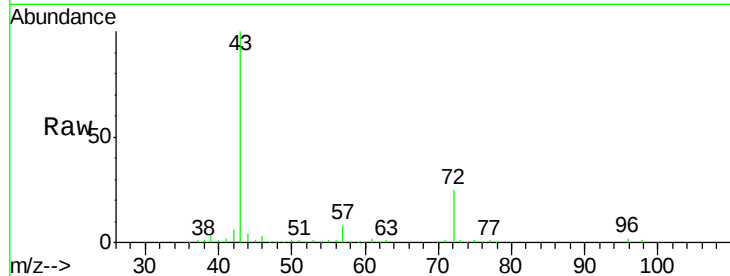
VSTD05089

Tgt Ion: 43 Resp: 345283

Ion Ratio Lower Upper

43 100

72 25.4 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV019619.D (-879) (-)

Ion 72.00 (71.70 to 72.70): VV019619.D (-879) (-)

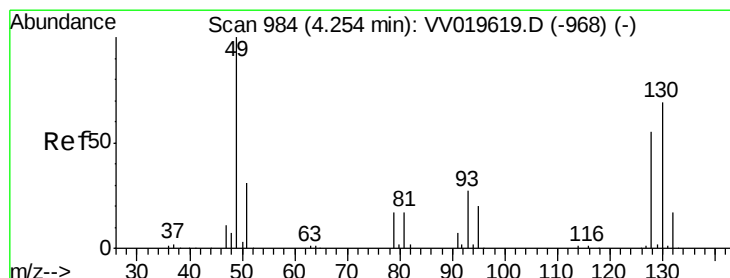
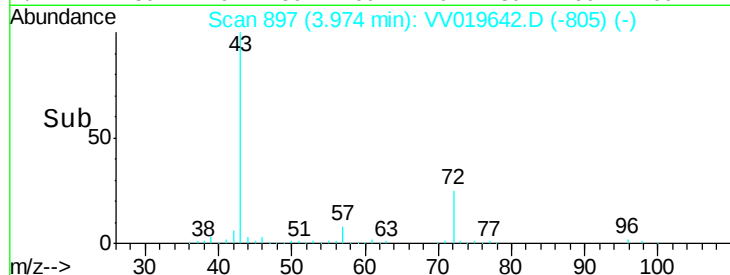
3.97

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 50.500 ug/L

RT: 4.25 min Scan# 984

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Tgt Ion: 128 Resp: 103093

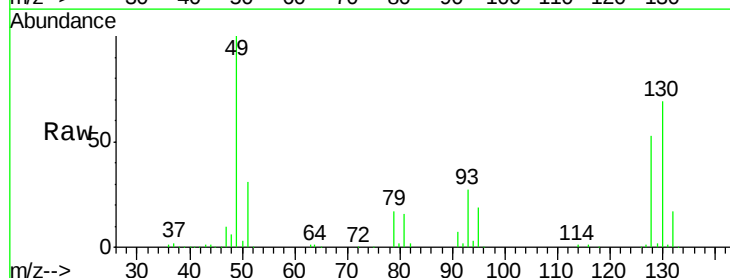
Ion Ratio Lower Upper

128 100

49 190.2 127.0 235.8

130 130.5 90.3 167.7

51 58.8 44.5 66.7



Abundance Ion 128.00 (127.70 to 128.70): VV019619.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV019619.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV019619.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV019619.D (-968) (-)

120000

100000

80000

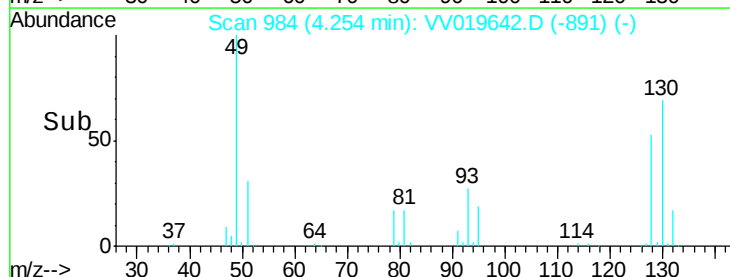
60000

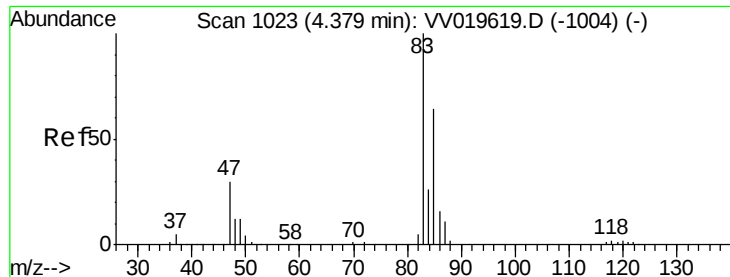
40000

20000

0

Time-->

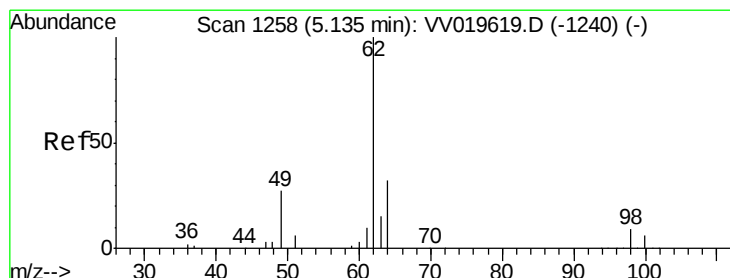
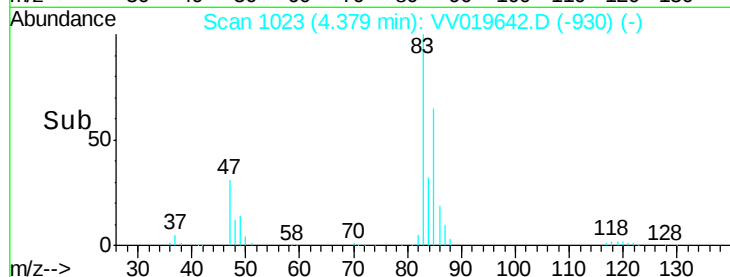
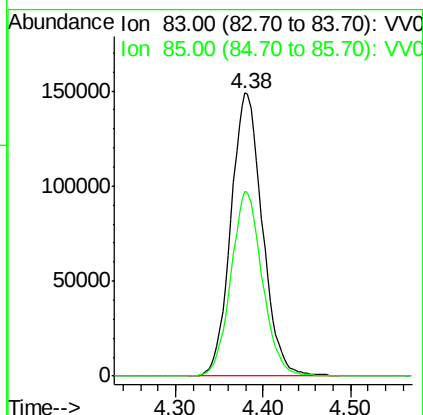
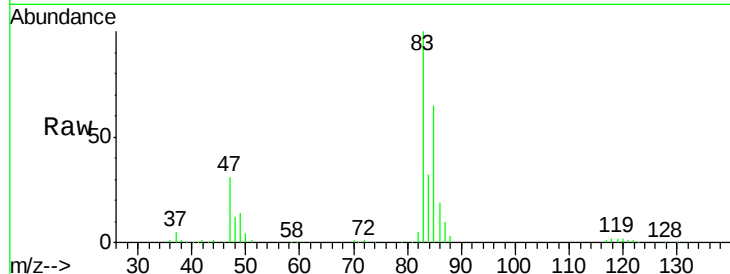




#25
Chloroform
Concen: 50.819 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

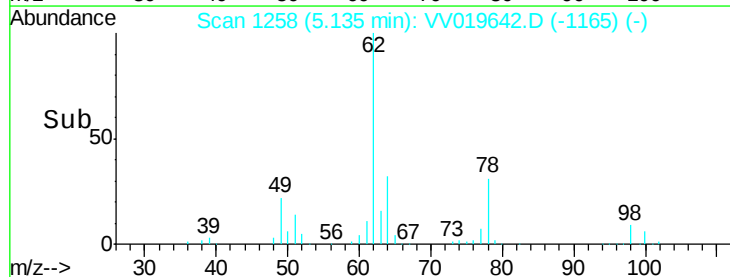
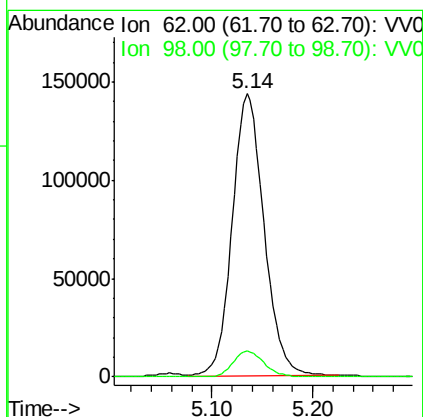
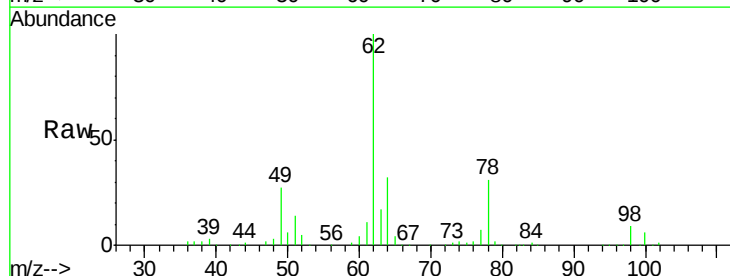
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

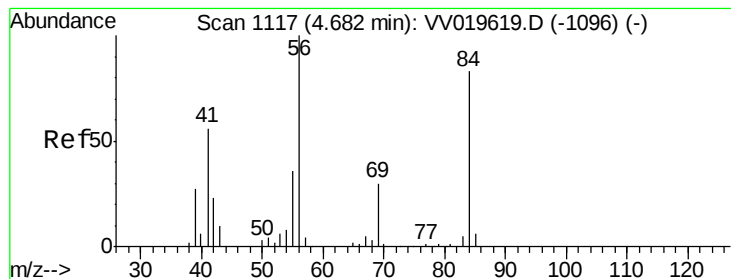
Tgt Ion: 83 Resp: 371389
Ion Ratio Lower Upper
83 100
85 65.3 45.6 84.6



#27
1,2-Dichloroethane
Concen: 52.113 ug/L
RT: 5.14 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion: 62 Resp: 315508
Ion Ratio Lower Upper
62 100
98 9.0 7.4 11.0





#29

Cyclohexane

Concen: 36.069 ug/L

RT: 4.68 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

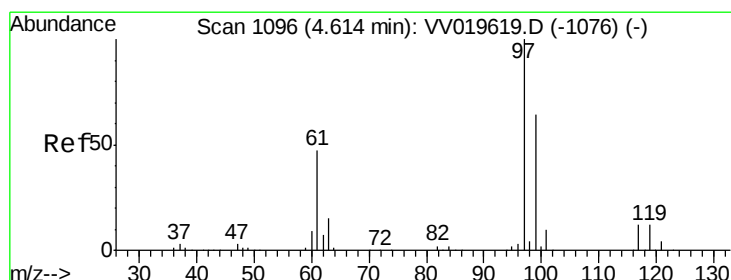
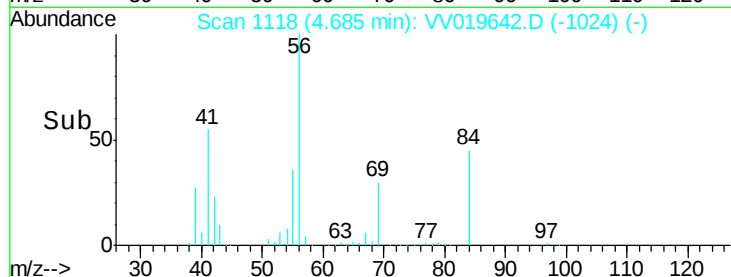
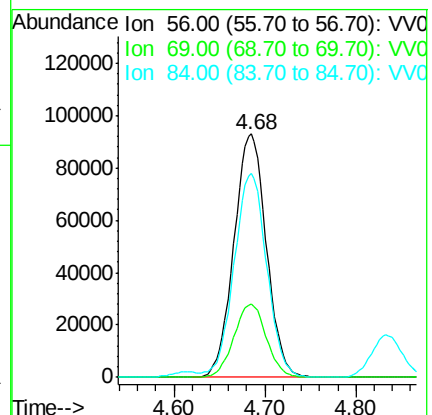
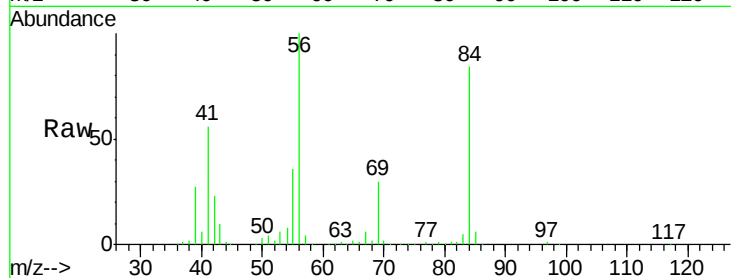
Tgt Ion: 56 Resp: 230285

Ion Ratio Lower Upper

56 100

69 30.1 24.6 37.0

84 84.5 68.2 102.4



#30

1,1,1-Trichloroethane

Concen: 45.093 ug/L

RT: 4.61 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

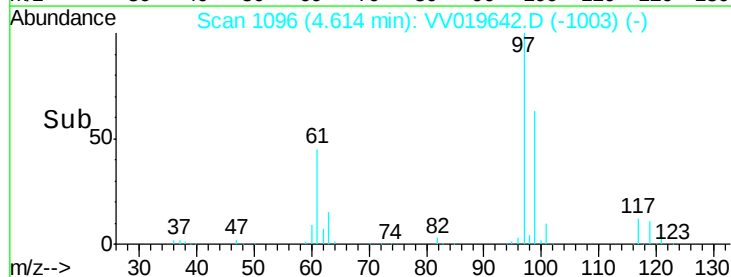
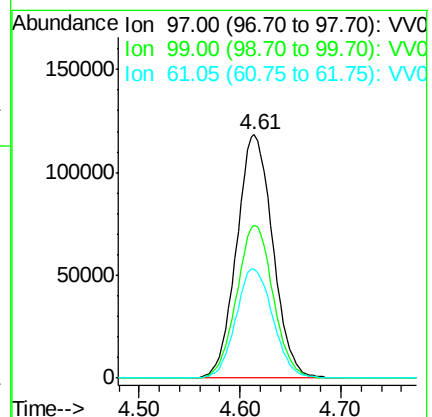
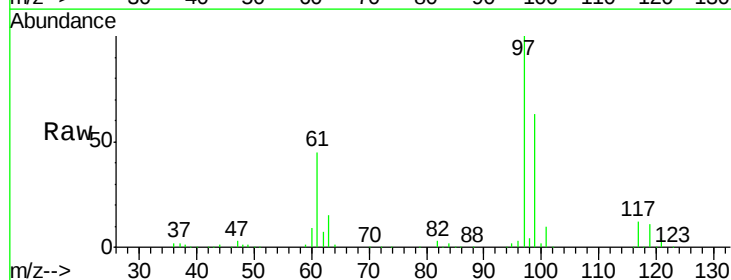
Tgt Ion: 97 Resp: 294536

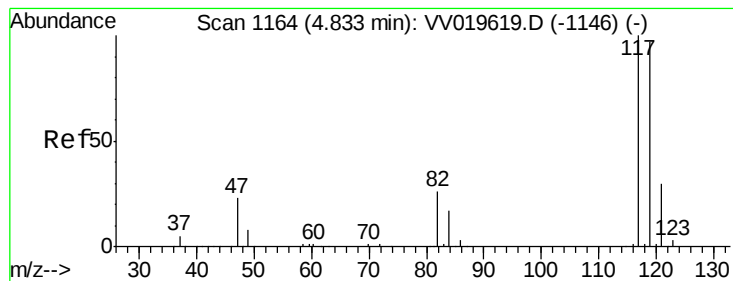
Ion Ratio Lower Upper

97 100

99 63.2 51.3 76.9

61 46.0 36.3 54.5





#31

Carbon tetrachloride

Concen: 40.220 ug/L

RT: 4.83 min Scan# 1164

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

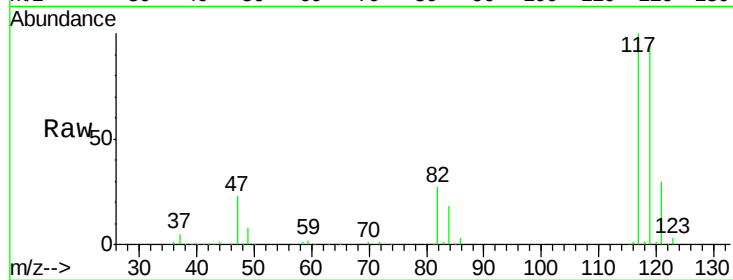
VSTD05089

Tgt Ion:117 Resp: 221775

Ion Ratio Lower Upper

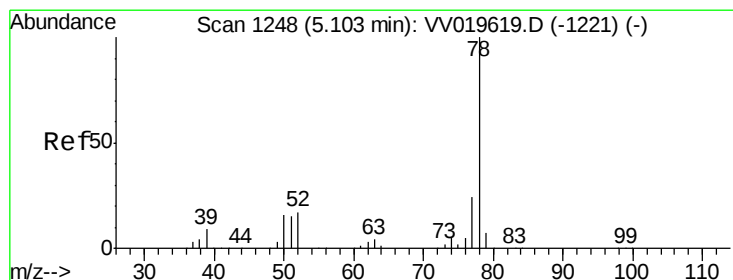
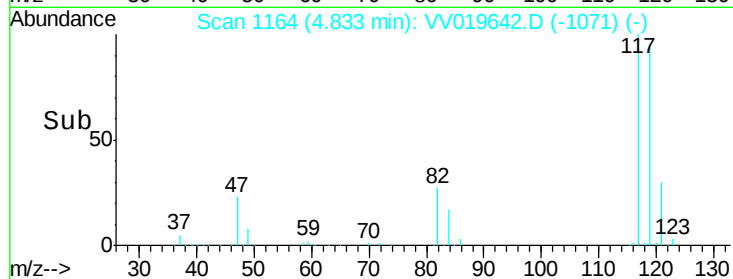
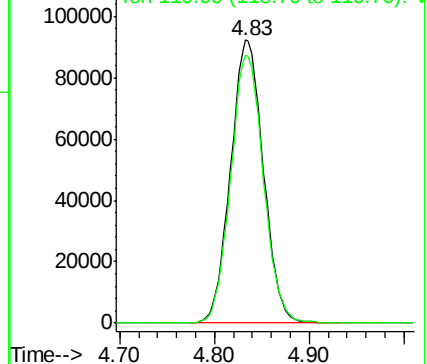
117 100

119 95.0 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.730 ug/L

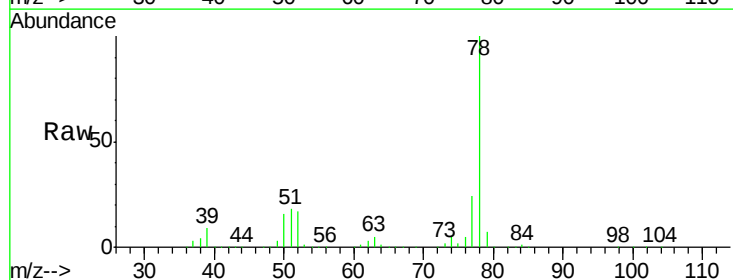
RT: 5.10 min Scan# 1248

Delta R.T. -0.00 min

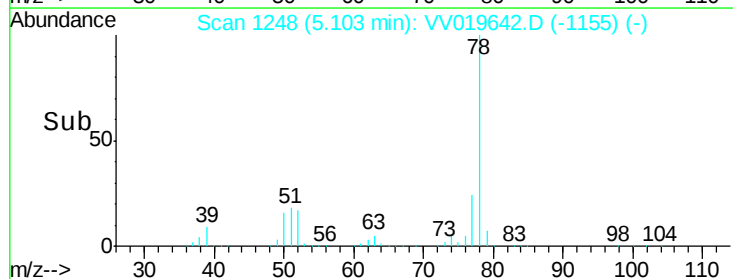
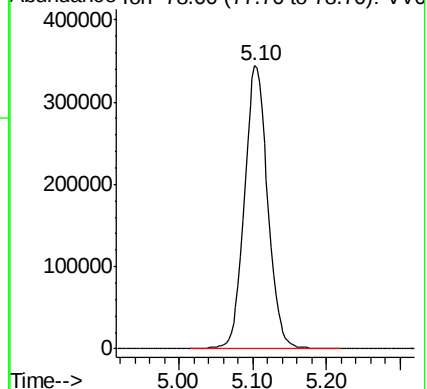
Lab File: VV019642.D

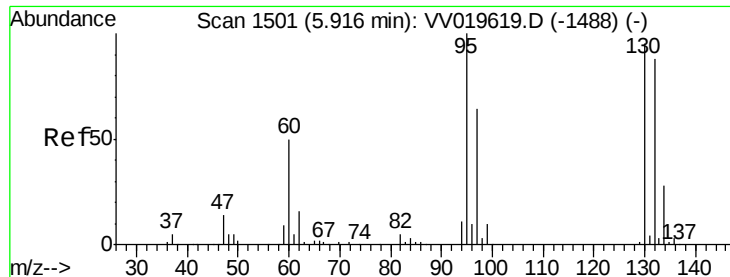
Acq: 15 Dec 2020 07:04

Tgt Ion: 78 Resp: 757117



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.511 ug/L

RT: 5.92 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampled :

VSTD05089

Tgt Ion: 95 Resp: 179011

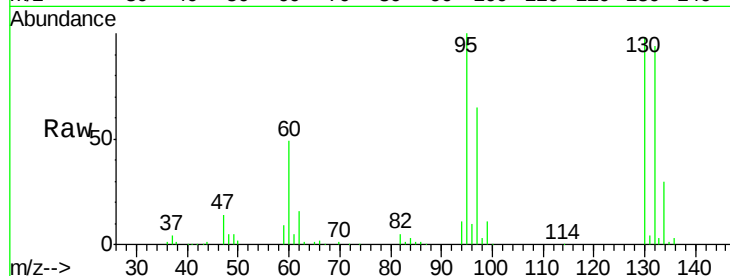
Ion Ratio Lower Upper

95 100

97 65.3 44.4 82.4

132 93.9 64.3 119.3

130 97.5 67.8 125.8

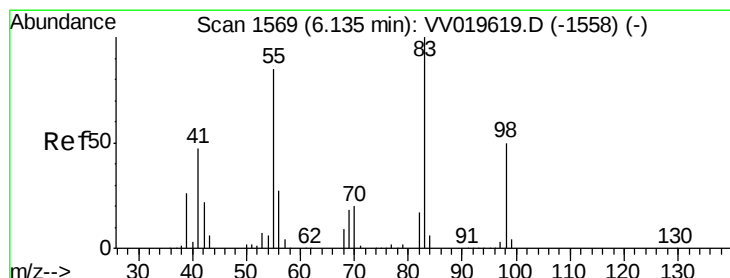
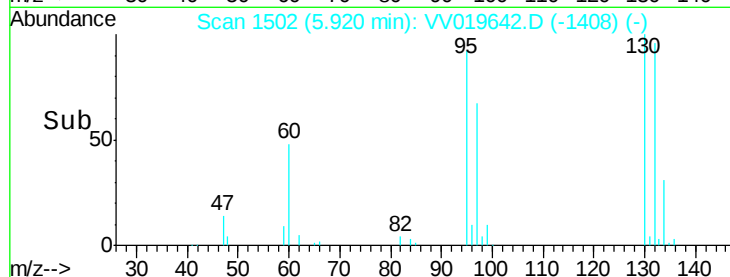
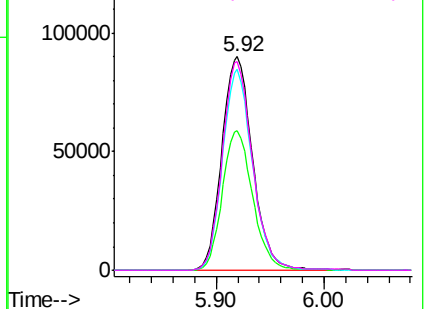


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 35.715 ug/L

RT: 6.14 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

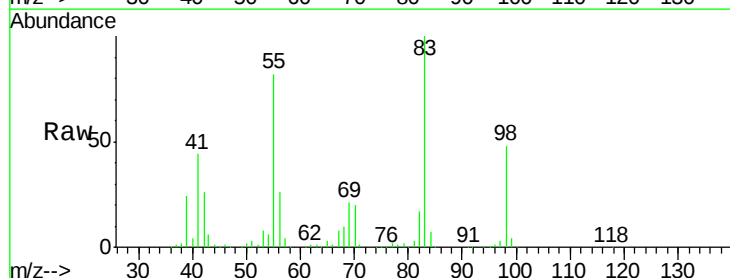
Tgt Ion: 83 Resp: 218212

Ion Ratio Lower Upper

83 100

55 80.3 64.2 96.4

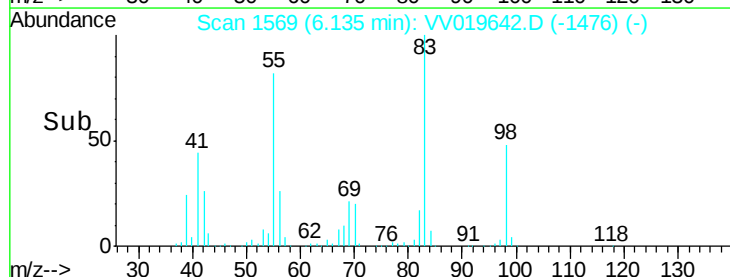
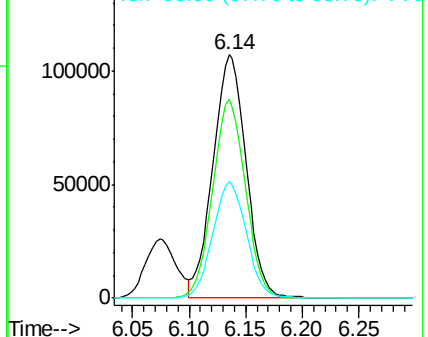
98 48.5 39.3 58.9

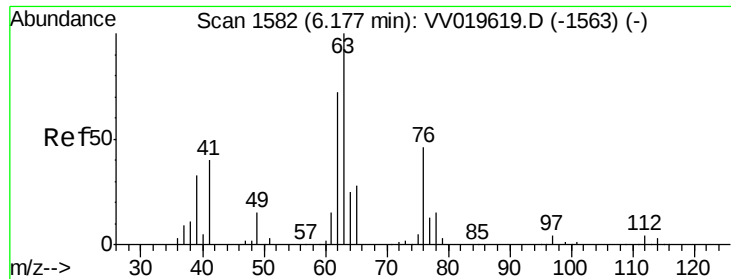


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

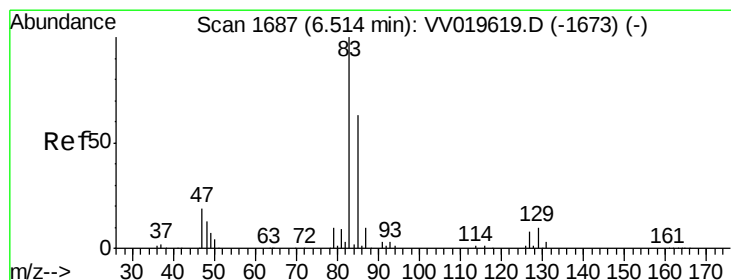
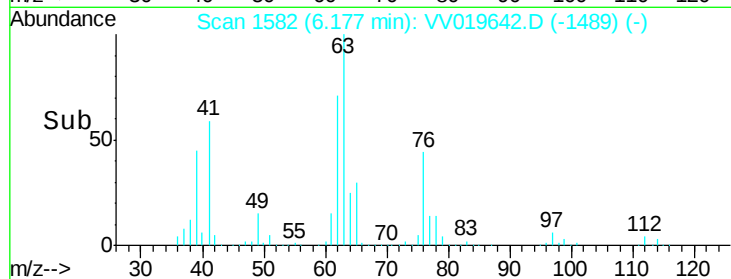
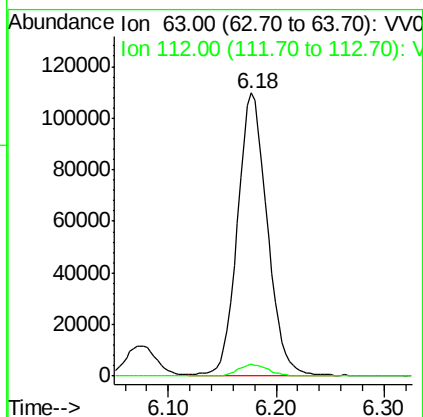
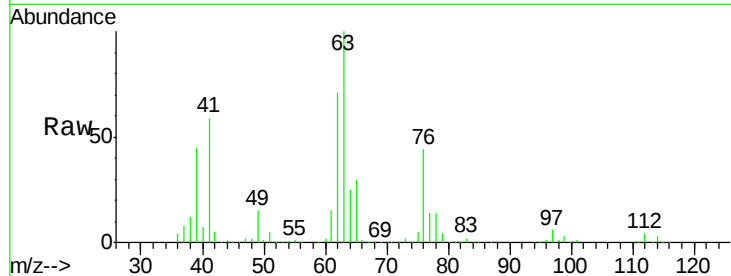




#37
 1,2-Dichloropropane
 Concen: 53.500 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

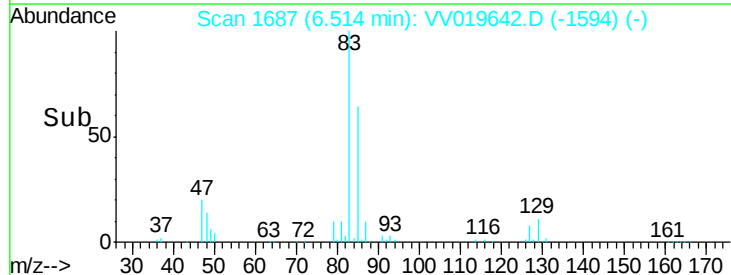
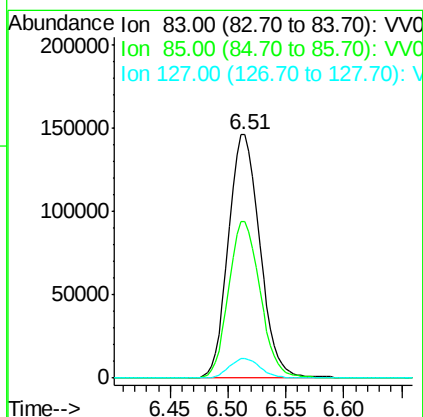
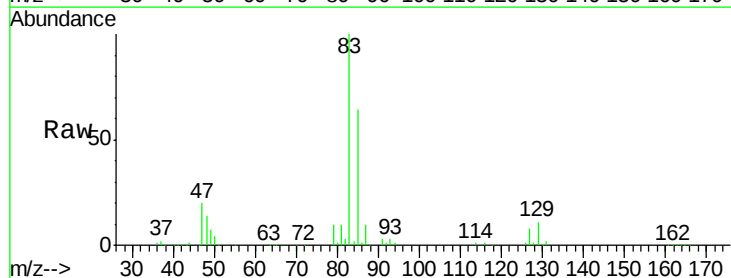
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

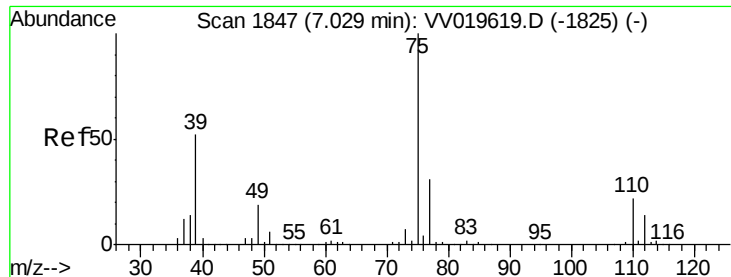
Tgt Ion: 63 Resp: 212708
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.568 ug/L
 RT: 6.51 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Tgt Ion: 83 Resp: 275578
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.9 83.5
 127 8.1 6.7 10.1

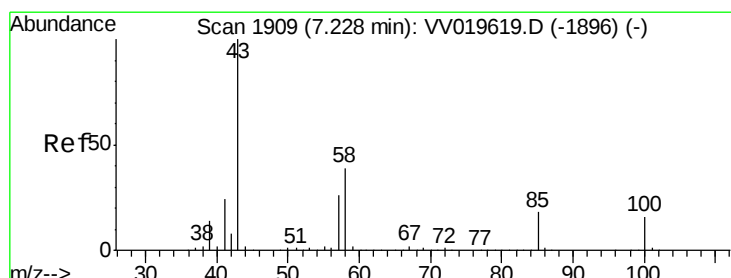
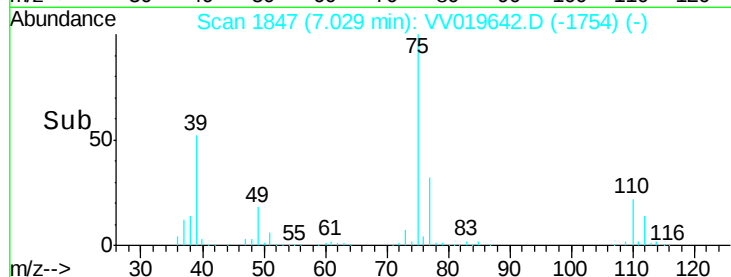
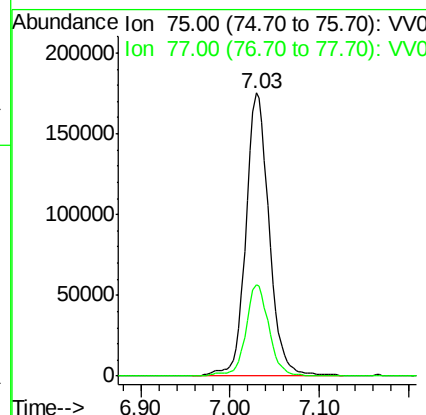
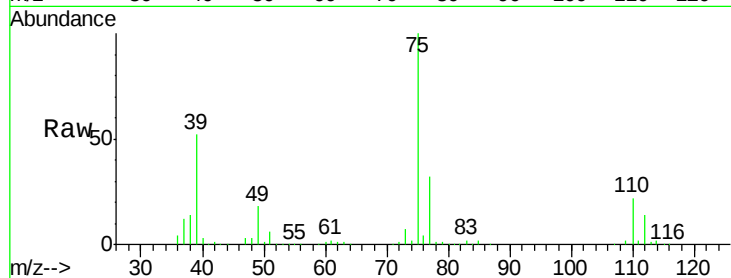




#39
 cis-1,3-Dichloropropene
 Concen: 48.321 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

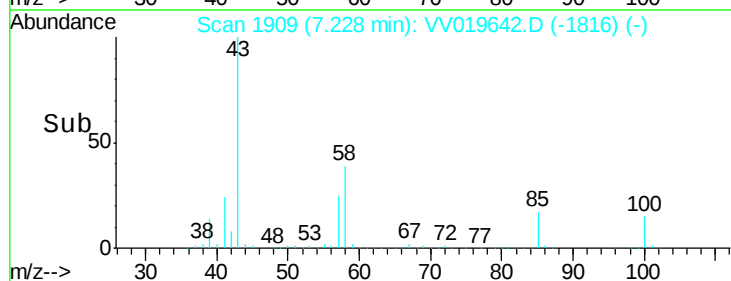
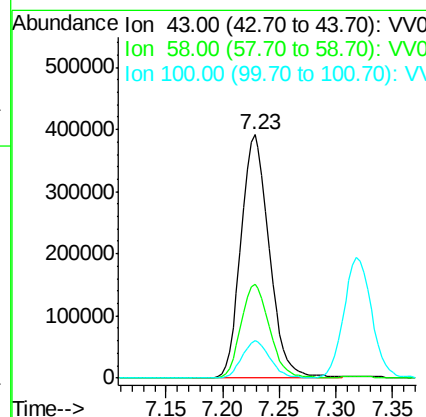
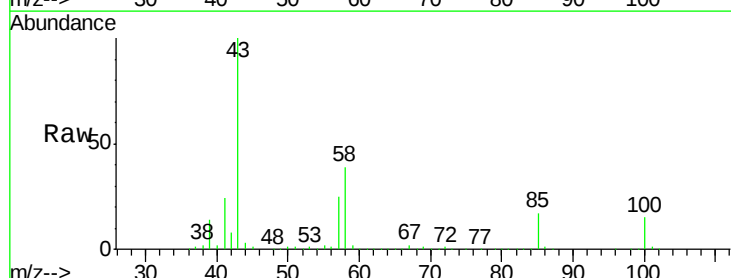
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

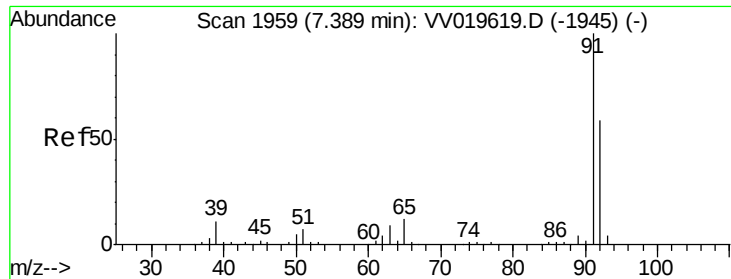
Tgt Ion: 75 Resp: 319079
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 119.413 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Tgt Ion: 43 Resp: 684958
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.7 47.5
 100 15.1 12.5 18.7





#42

Toluene

Concen: 45.225 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

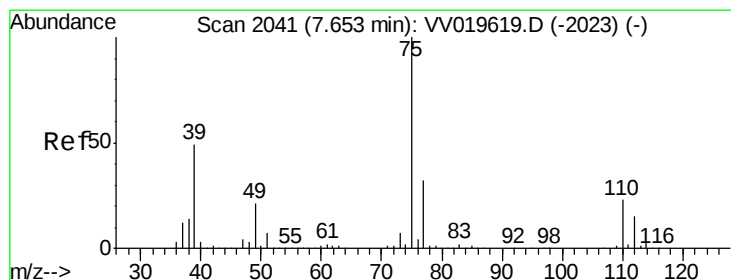
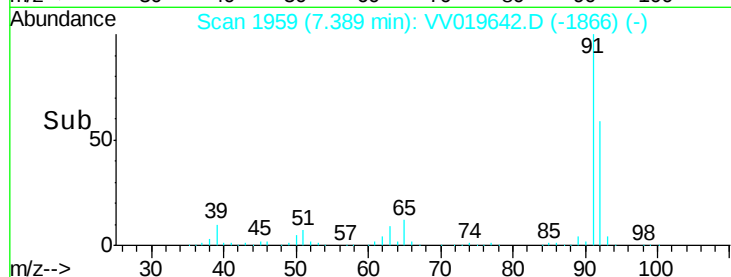
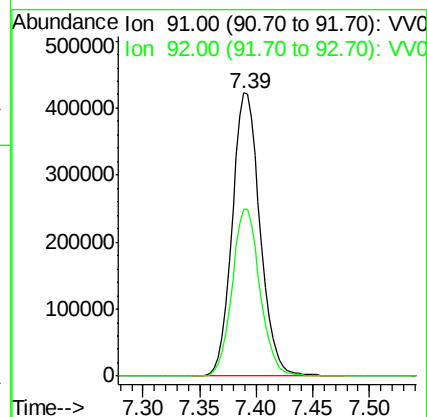
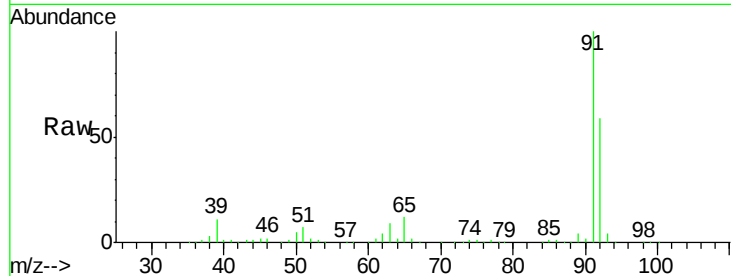
VSTD05089

Tgt Ion: 91 Resp: 725674

Ion Ratio Lower Upper

91 100

92 58.8 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 46.431 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. -0.00 min

Lab File: VV019642.D

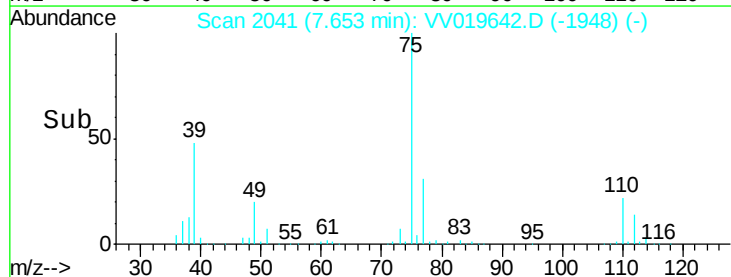
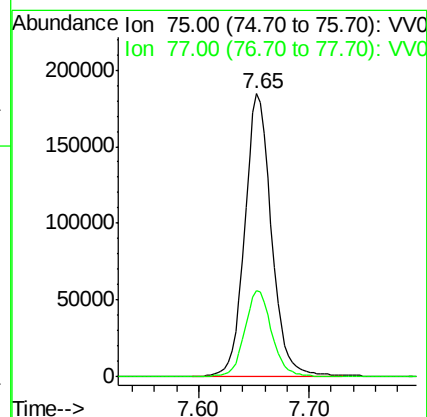
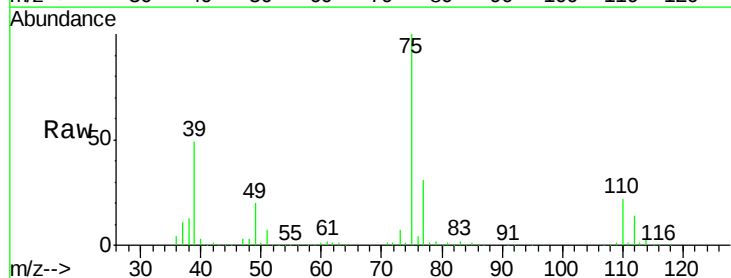
Acq: 15 Dec 2020 07:04

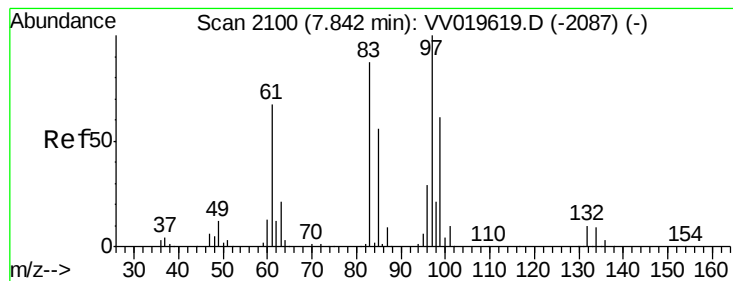
Tgt Ion: 75 Resp: 310454

Ion Ratio Lower Upper

75 100

77 30.6 22.5 41.9





#45

1,1,2-Trichloroethane

Concen: 52.996 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

Tgt Ion: 97 Resp: 200090

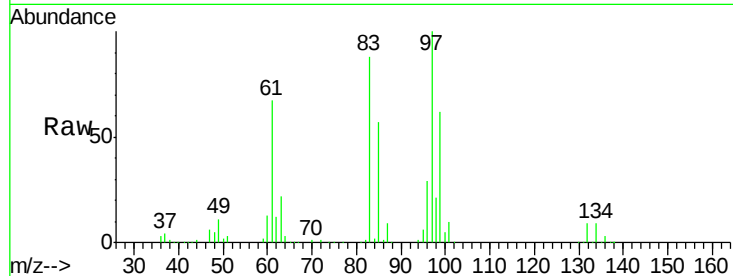
Ion Ratio Lower Upper

97 100

99 61.6 44.1 81.9

83 87.8 60.0 111.4

85 56.8 38.6 71.8

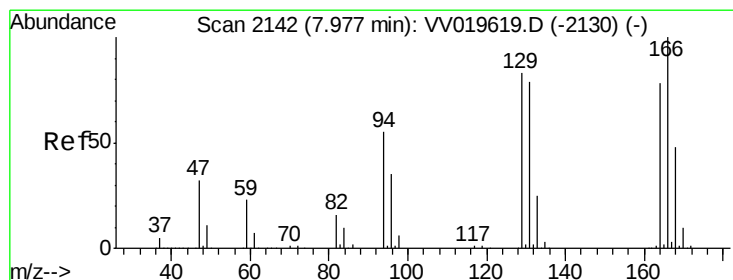
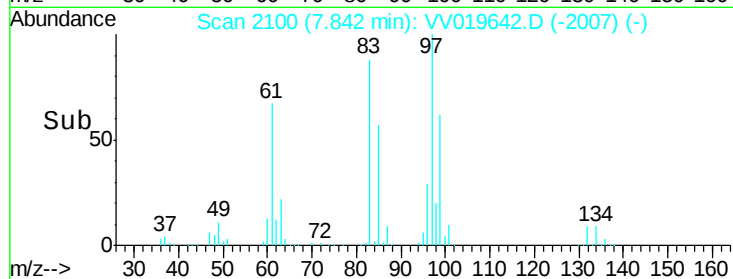
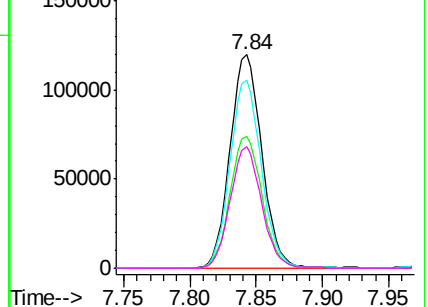


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 38.263 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Tgt Ion: 164 Resp: 106481

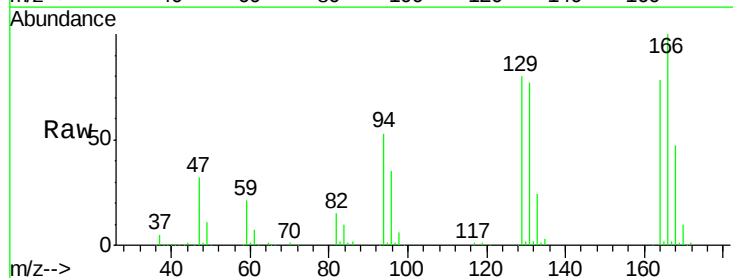
Ion Ratio Lower Upper

164 100

129 102.1 70.6 131.0

131 98.6 68.0 126.4

166 128.4 86.9 161.5

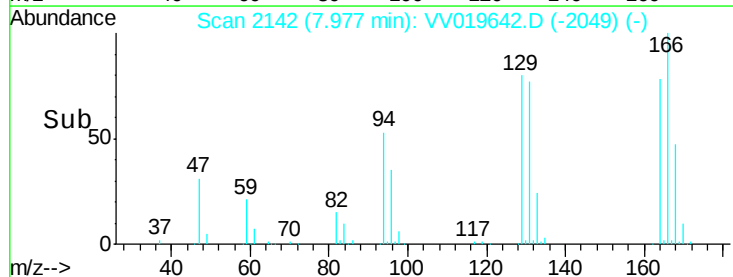
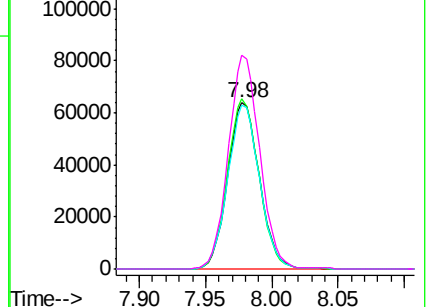


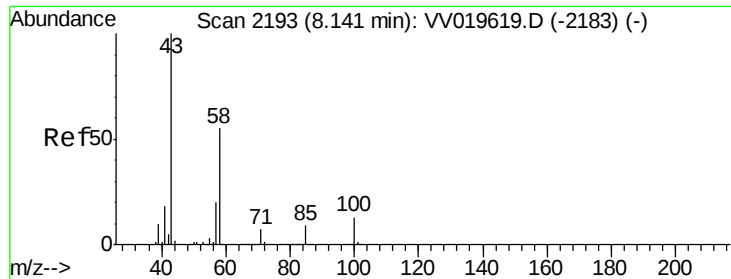
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

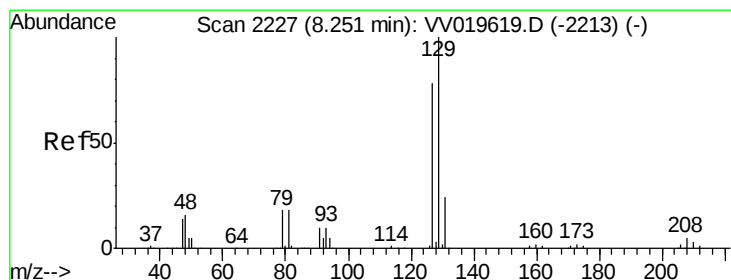
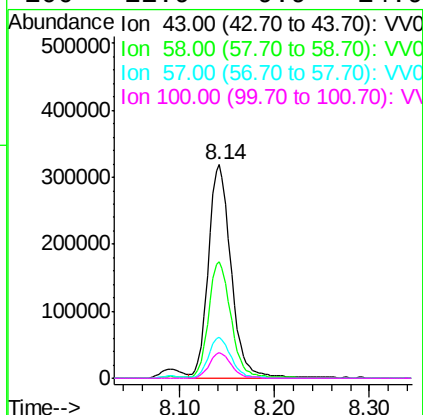
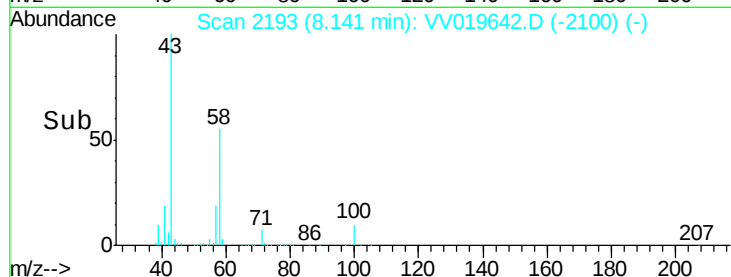
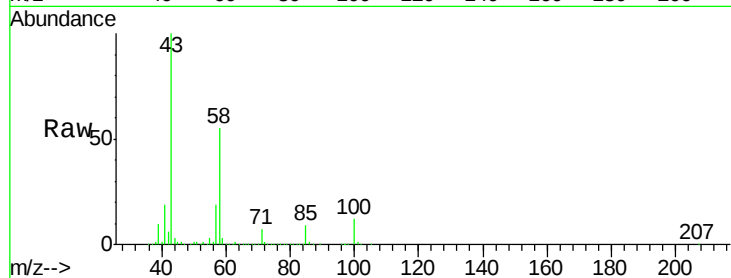




#48
2-Hexanone
Concen: 121.374 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

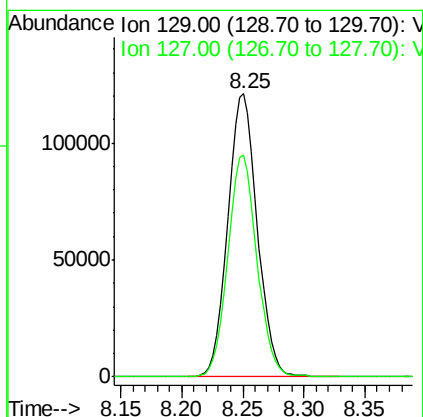
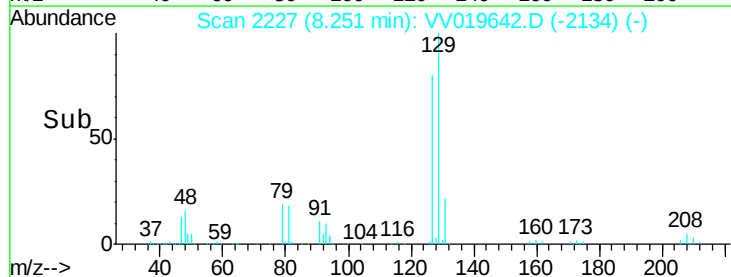
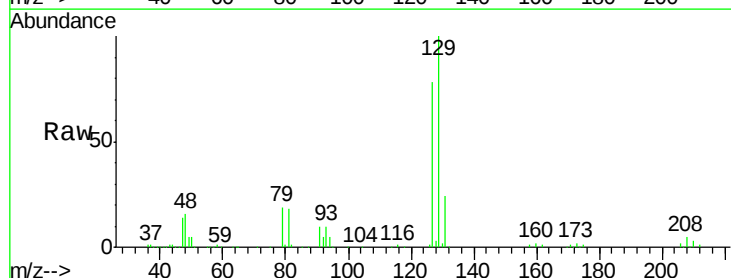
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

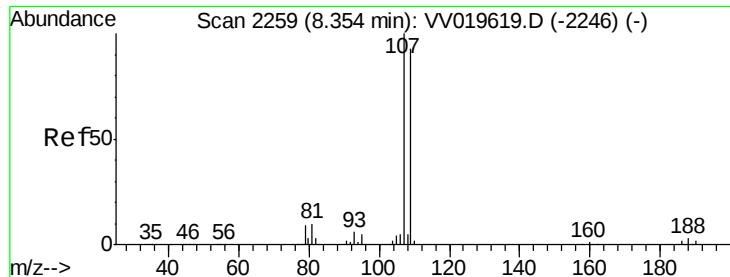
Tgt Ion:	43	Resp:	528266
Ion	Ratio	Lower	Upper
43	100		
58	54.4	44.4	66.6
57	18.9	15.7	23.5
100	11.9	9.9	14.9



#49
Dibromochloromethane
Concen: 49.515 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion:	129	Resp:	204735
Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.2	100.6

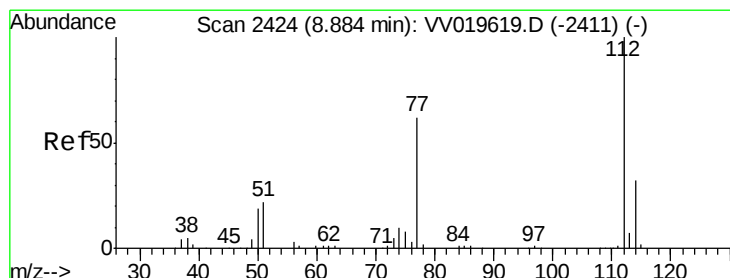
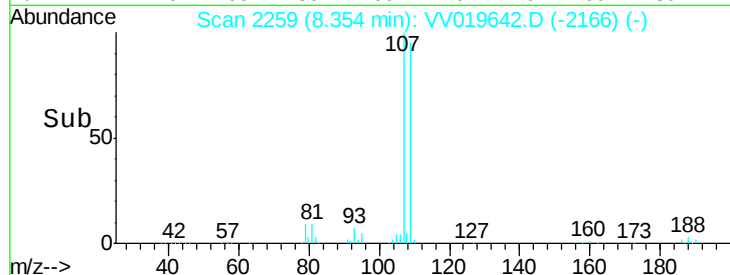
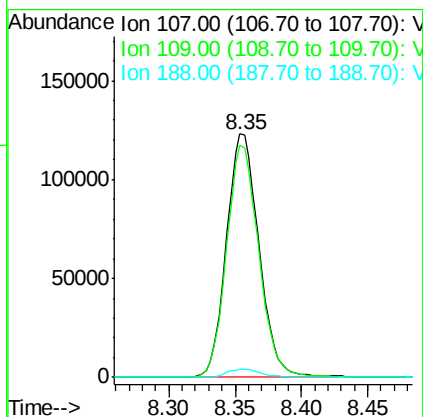
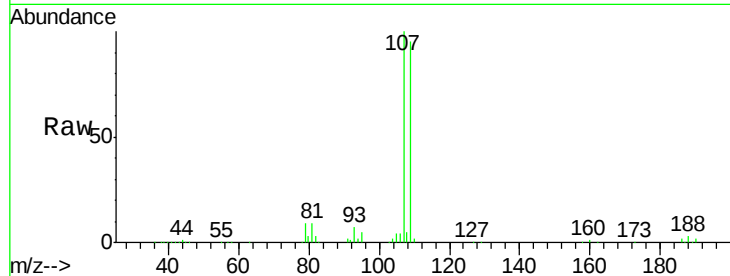




#50
1,2-Dibromoethane
Concen: 52.719 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

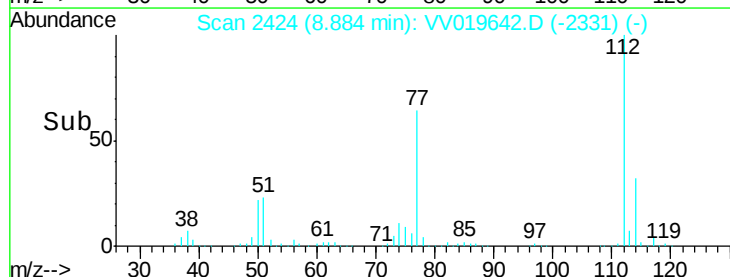
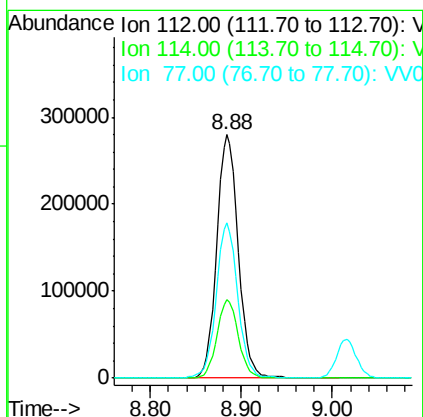
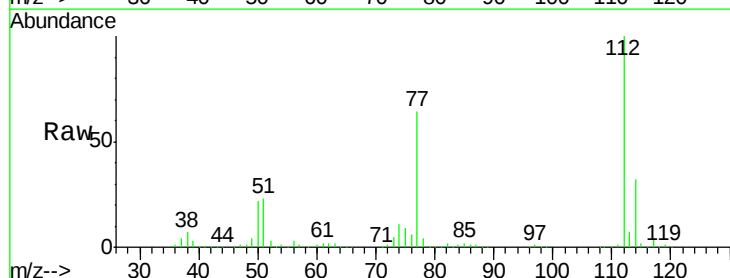
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

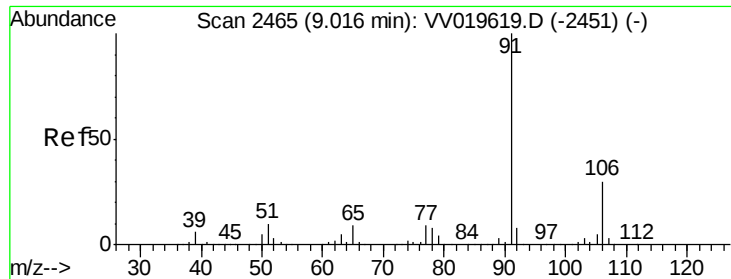
Tgt Ion:107 Resp: 209607
Ion Ratio Lower Upper
107 100
109 95.3 66.4 123.2
188 3.2 2.9 4.3



#51
Chlorobenzene
Concen: 44.761 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion:112 Resp: 458732
Ion Ratio Lower Upper
112 100
114 32.2 22.2 41.2
77 63.7 50.6 75.8





#52

Ethylbenzene

Concen: 41.339 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

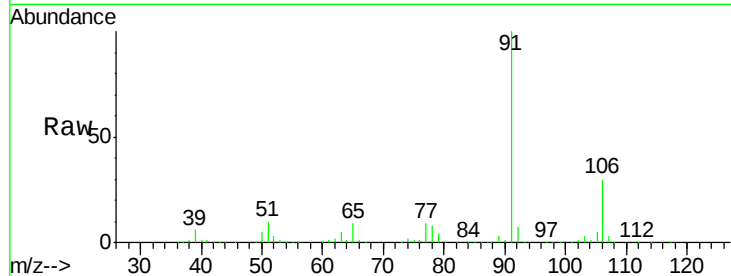
VSTD05089

Tgt Ion: 91 Resp: 755752

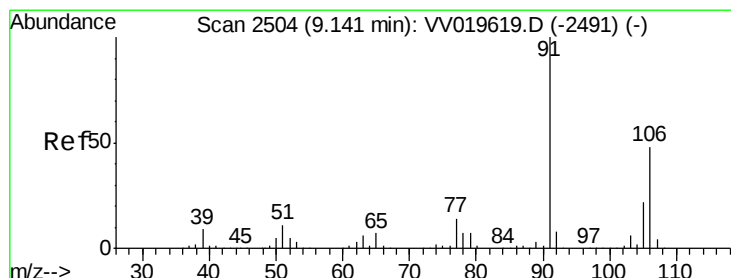
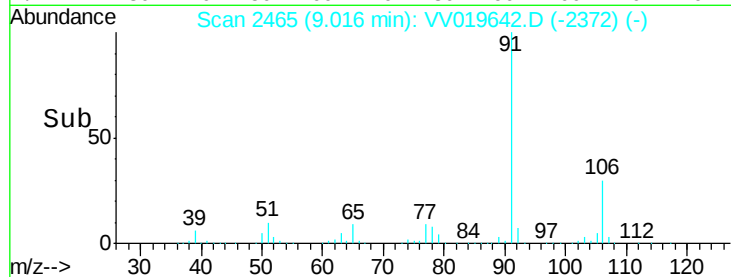
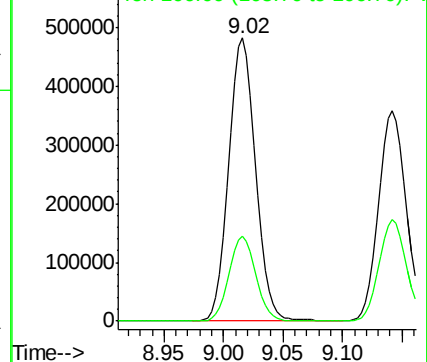
Ion Ratio Lower Upper

91 100

106 29.8 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV019619.D (-2451) (-)



#53

m,p-Xylene

Concen: 40.365 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VV019642.D

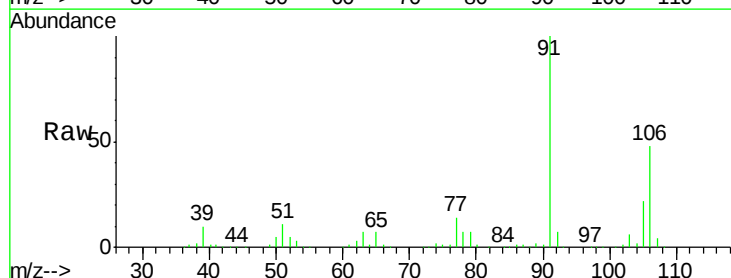
Acq: 15 Dec 2020 07:04

Tgt Ion: 106 Resp: 275696

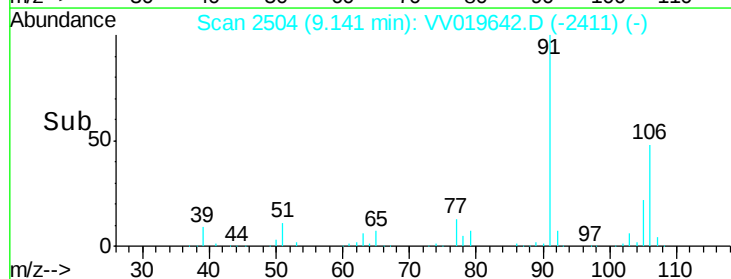
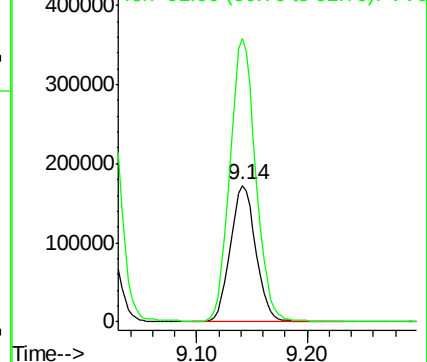
Ion Ratio Lower Upper

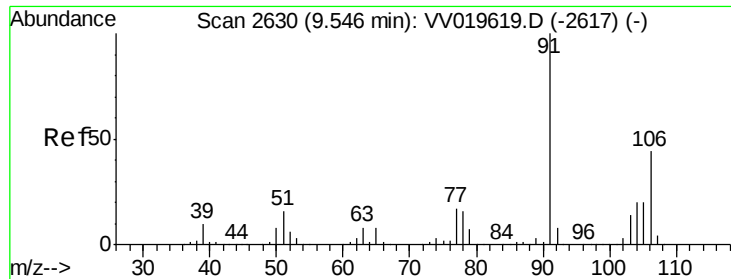
106 100

91 207.8 147.7 274.3



Abundance Ion 106.00 (105.70 to 106.70): VV019619.D (-2491) (-)

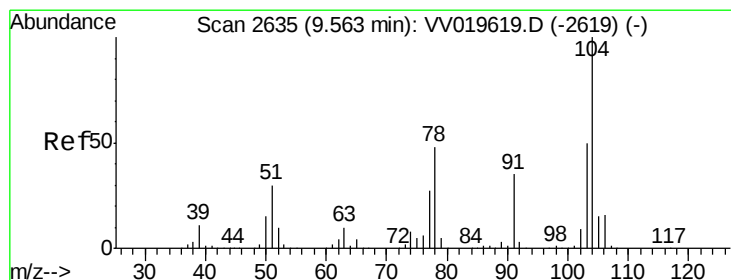
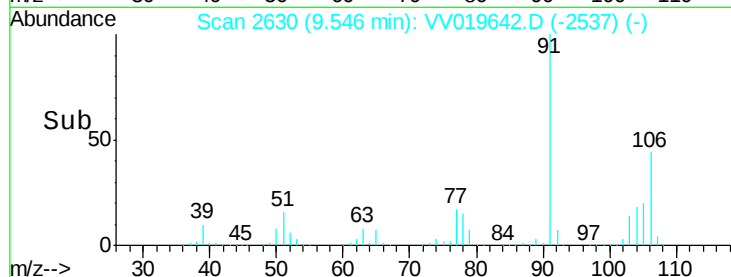
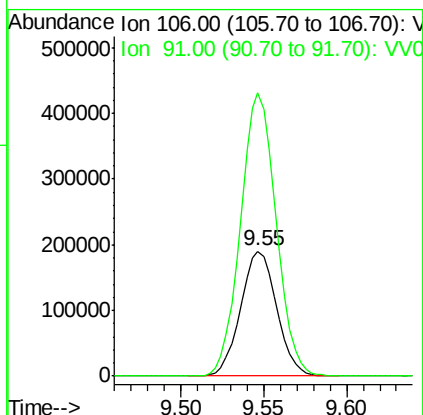
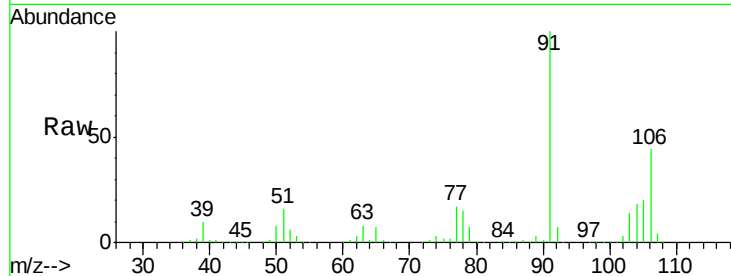




#54
o-xylene
Concen: 42.934 ug/L
RT: 9.55 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

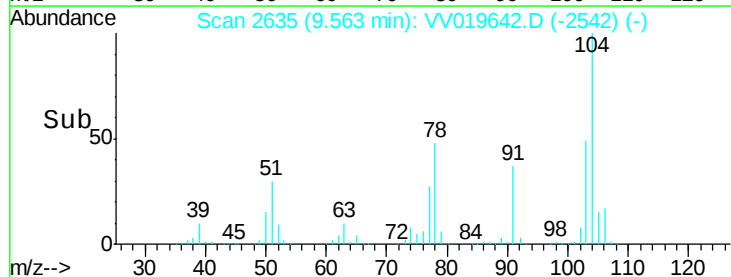
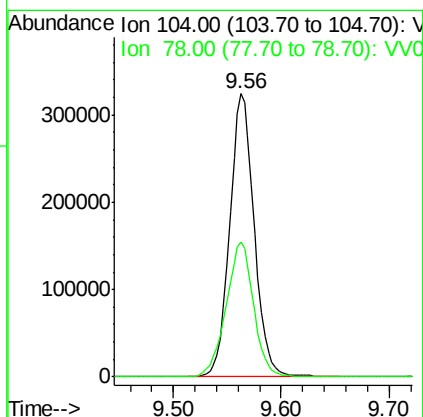
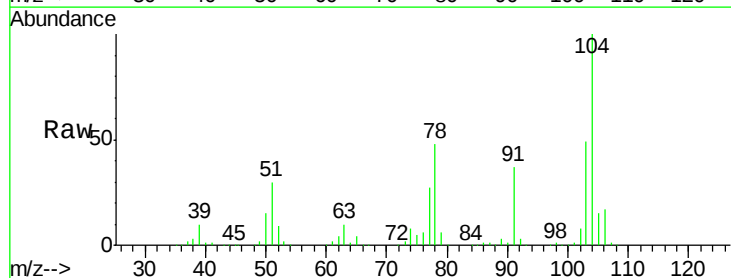
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

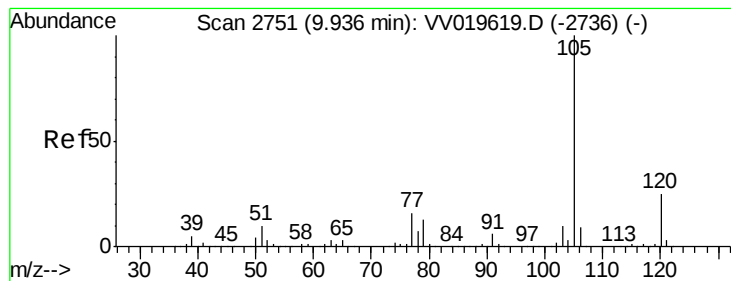
Tgt Ion:106 Resp: 287431
Ion Ratio Lower Upper
106 100
91 226.0 156.7 291.1



#55
Styrene
Concen: 44.034 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019642.D
Acq: 15 Dec 2020 07:04

Tgt Ion:104 Resp: 513783
Ion Ratio Lower Upper
104 100
78 47.6 33.7 62.7





#56

Isopropylbenzene

Concen: 39.278 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

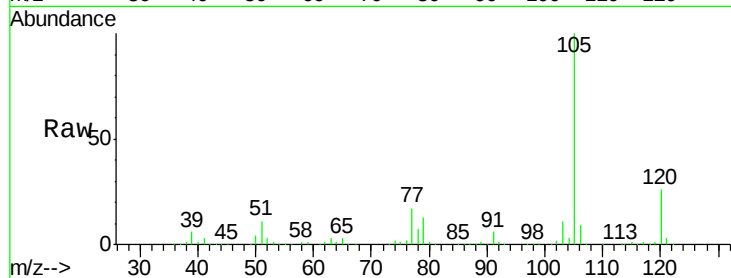
Tgt Ion: 105 Resp: 700526

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

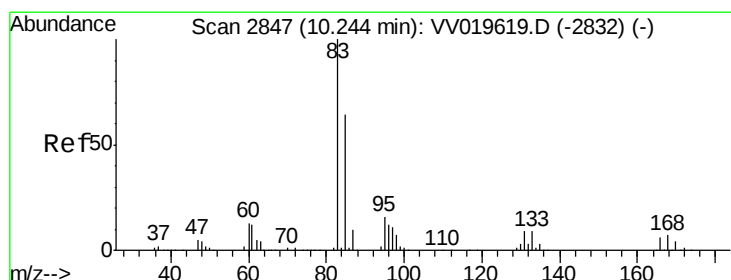
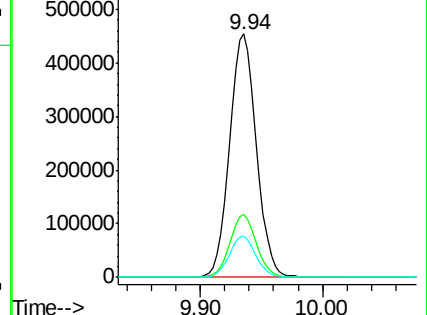
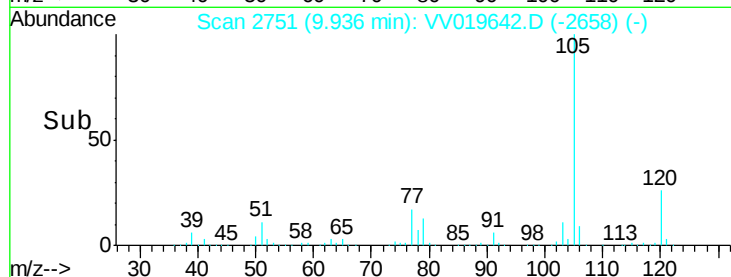
77 16.7 13.2 19.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 54.442 ug/L

RT: 10.24 min Scan# 2847

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

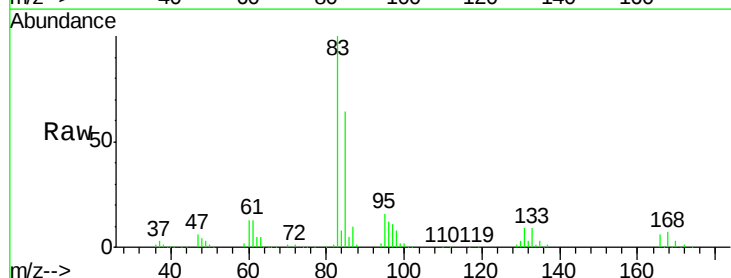
Tgt Ion: 83 Resp: 330555

Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

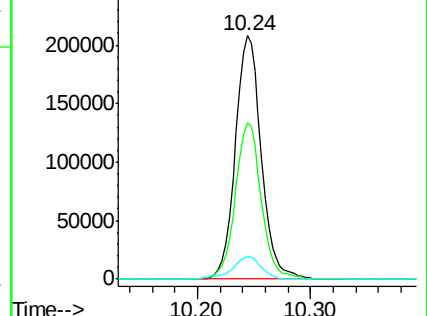
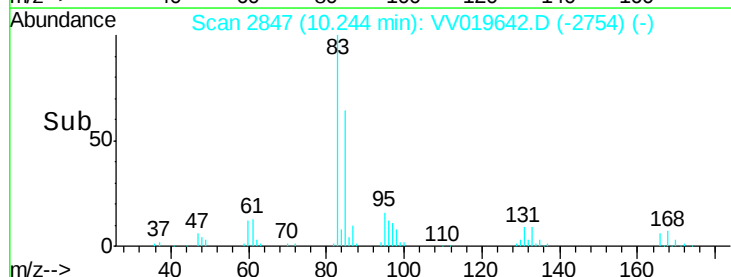
131 9.2 7.6 11.4

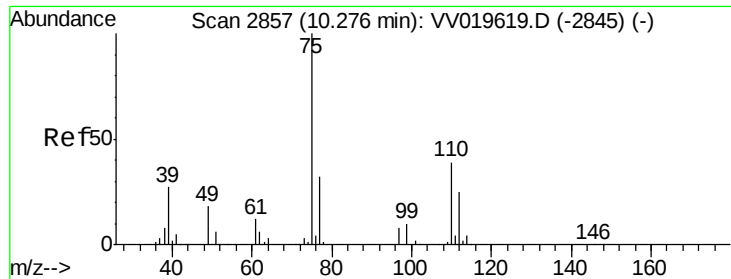


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

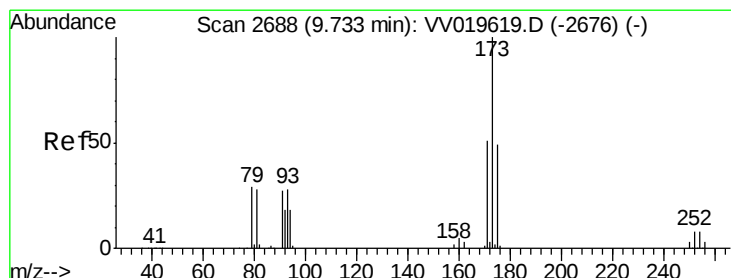
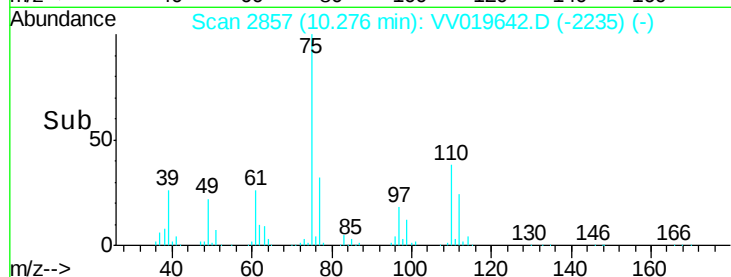
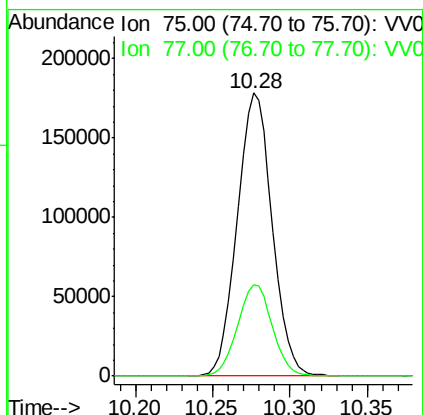
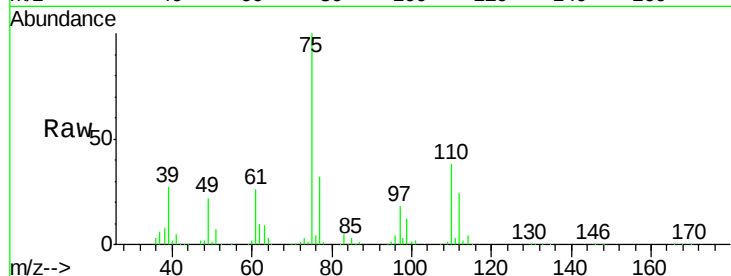




#59
 1,2,3-Trichloropropane
 Concen: 56.582 ug/L
 RT: 10.28 min Scan# 2857
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

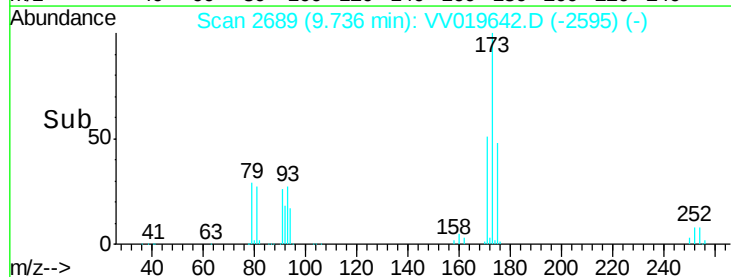
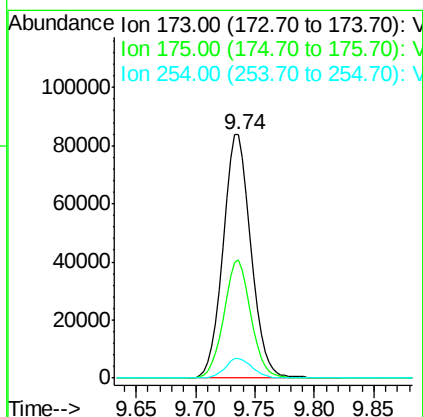
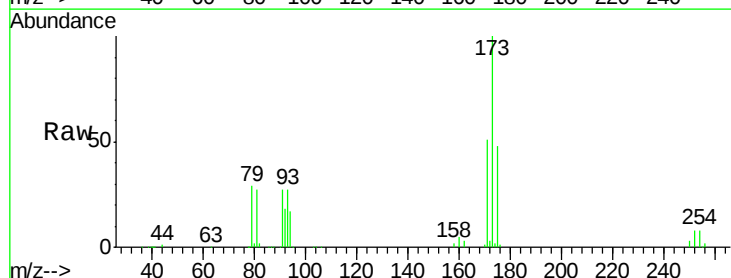
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

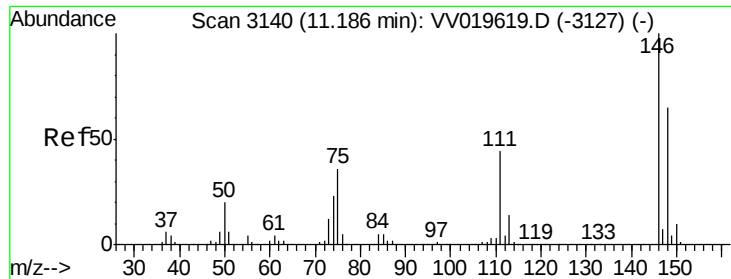
Tgt Ion: 75 Resp: 279818
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#61
 Bromoform
 Concen: 50.833 ug/L
 RT: 9.74 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Tgt Ion: 173 Resp: 136015
 Ion Ratio Lower Upper
 173 100
 175 46.8 38.4 57.6
 254 7.8 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 43.609 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

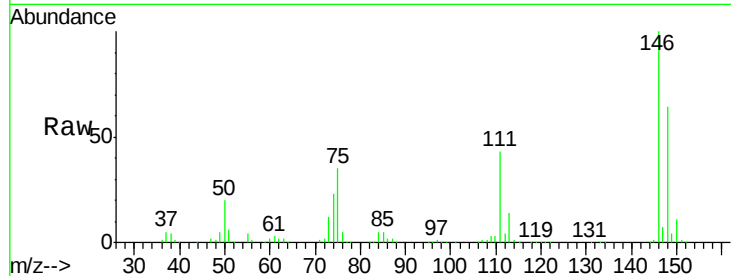
Tgt Ion:146 Resp: 323544

Ion Ratio Lower Upper

146 100

111 43.4 30.7 57.1

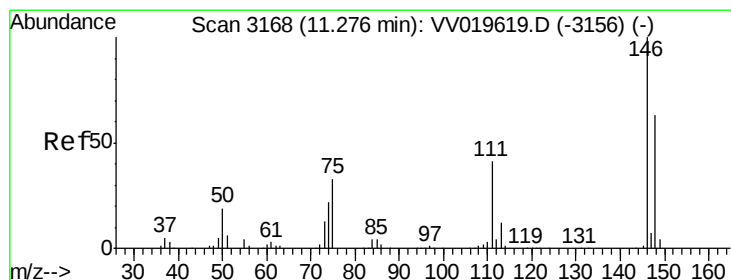
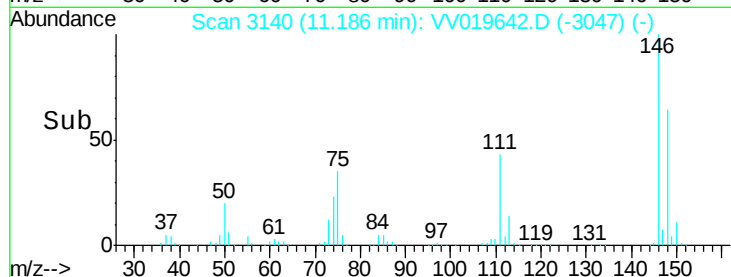
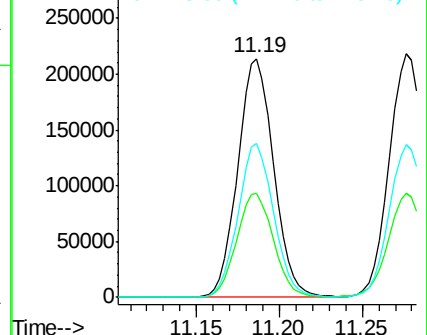
148 64.4 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.348 ug/L

RT: 11.28 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

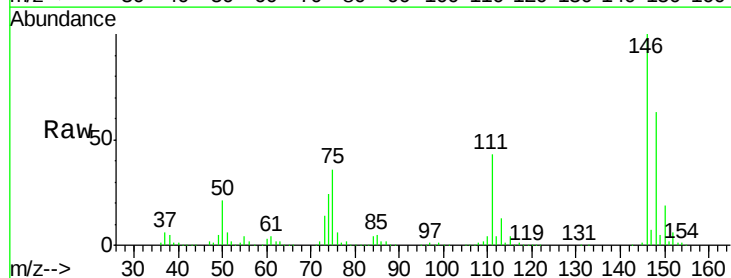
Tgt Ion:146 Resp: 333180

Ion Ratio Lower Upper

146 100

111 42.7 29.8 55.4

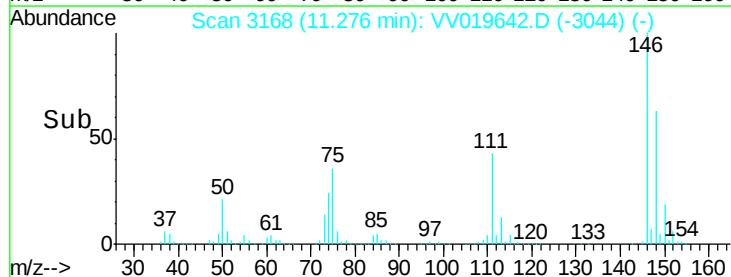
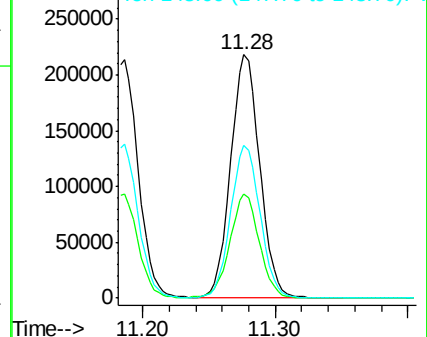
148 62.5 44.2 82.0

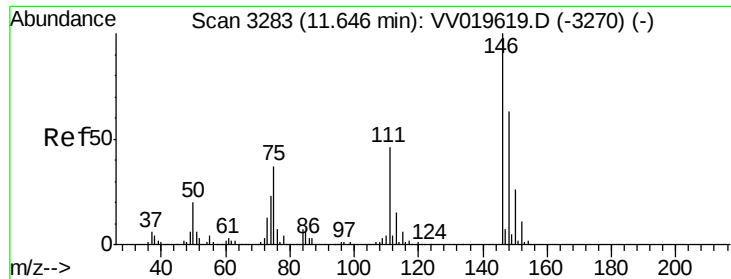


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 47.049 ug/L

RT: 11.65 min Scan# 3283

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

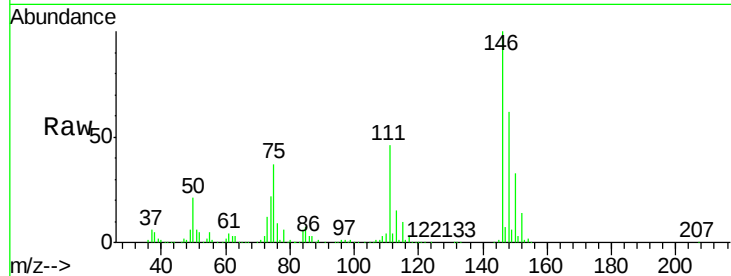
Tgt Ion:146 Resp: 344928

Ion Ratio Lower Upper

146 100

111 45.8 36.6 55.0

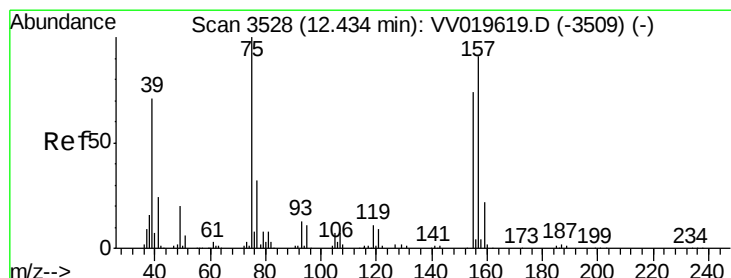
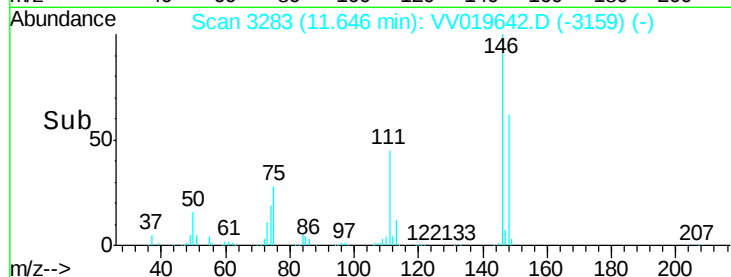
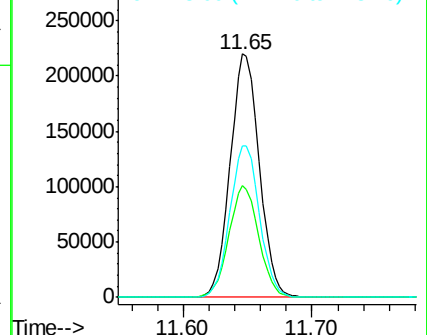
148 62.3 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 55.147 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

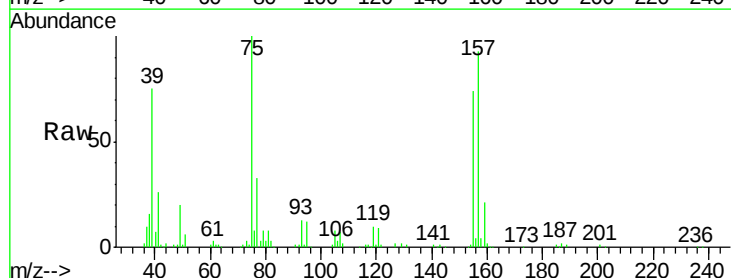
Tgt Ion: 75 Resp: 84392

Ion Ratio Lower Upper

75 100

155 73.7 61.1 91.7

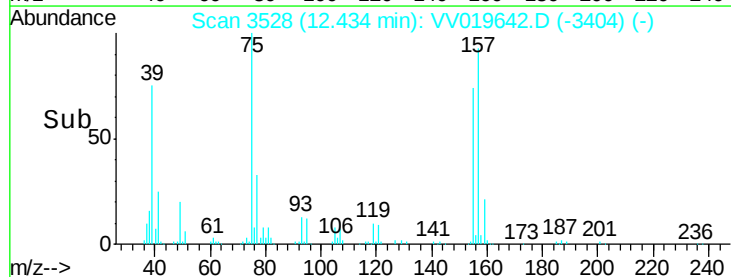
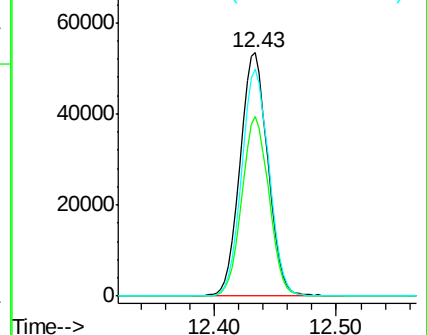
157 93.1 78.7 118.1

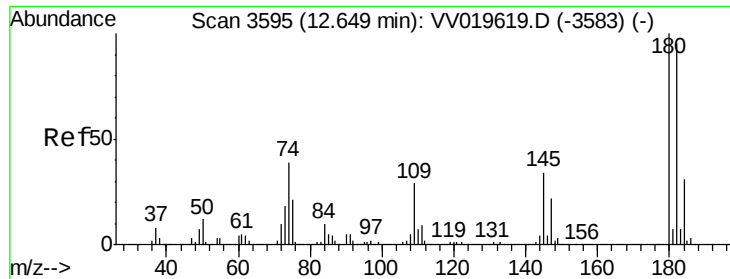


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

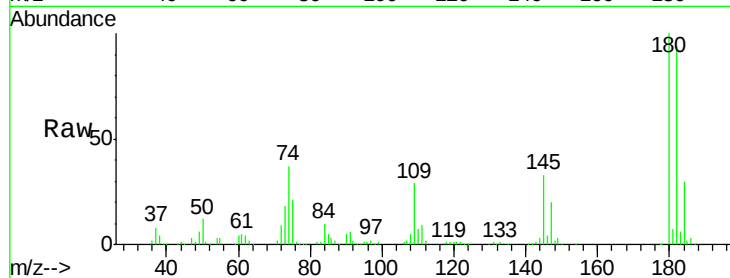




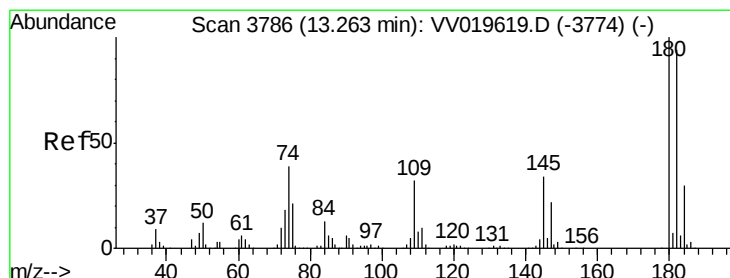
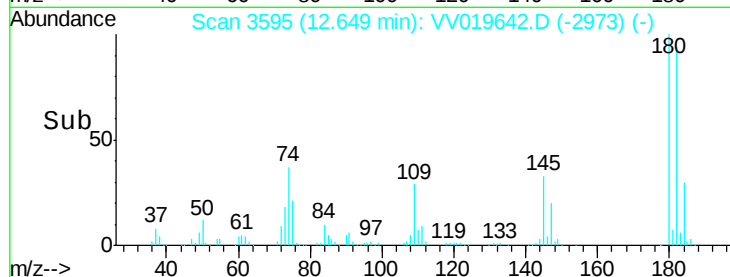
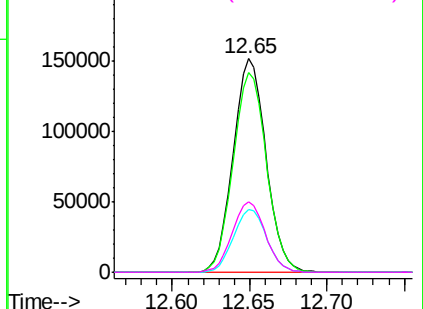
#67
 1,3,5-Trichlorobenzene
 Concen: 42.510 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tgt Ion:180 Resp: 222834
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.8 113.6
 184 29.9 23.9 35.9
 145 33.3 26.2 39.2

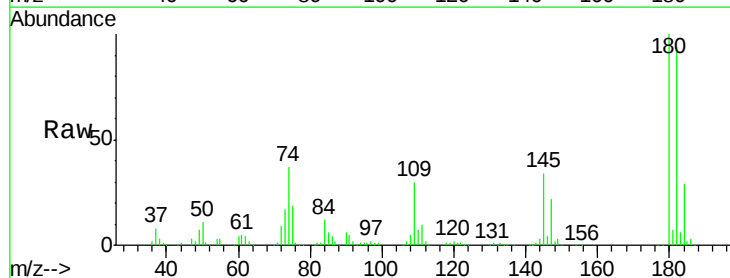


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

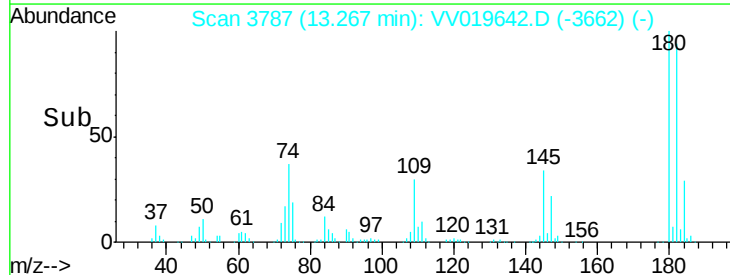
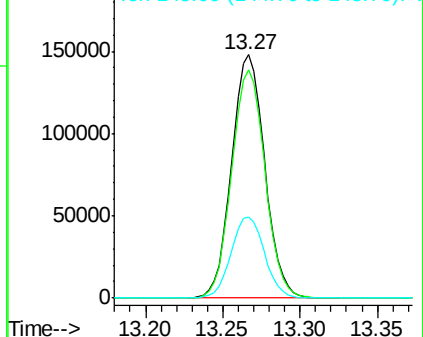


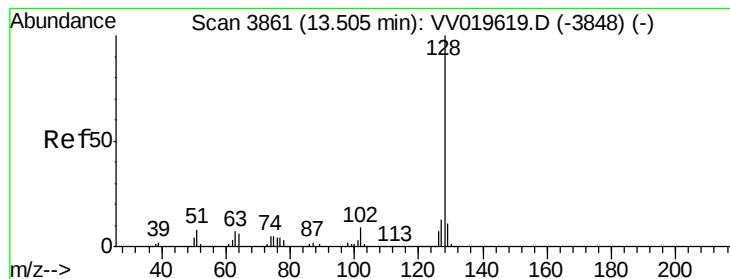
#68
 1,2,4-trichlorobenzene
 Concen: 44.754 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019642.D
 Acq: 15 Dec 2020 07:04

Tgt Ion:180 Resp: 219347
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.5 114.7
 145 33.6 27.0 40.6



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





#69

Naphthalene

Concen: 52.773 ug/L

RT: 13.51 min Scan# 3862

Delta R.T. 0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

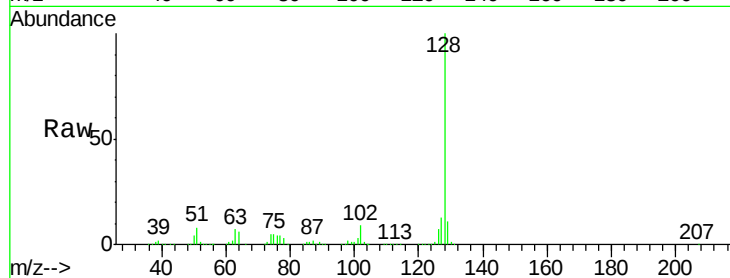
Tgt Ion:128 Resp: 898121

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

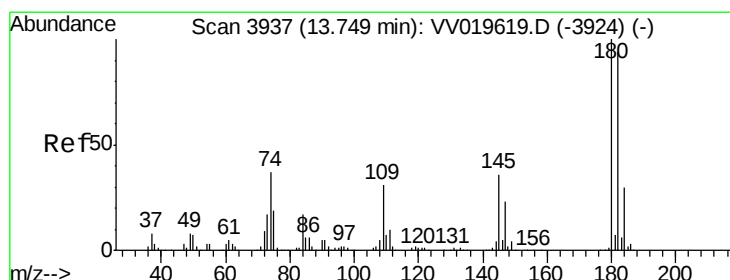
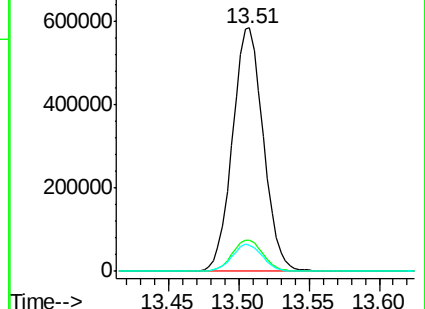
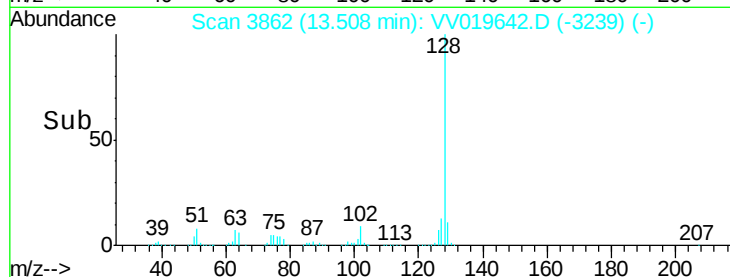
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 47.106 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VV019642.D

Acq: 15 Dec 2020 07:04

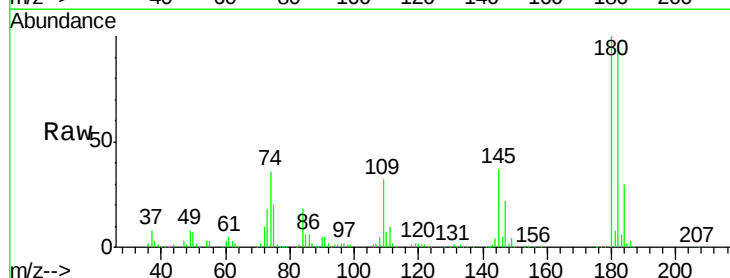
Tgt Ion:180 Resp: 225620

Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.6

145 36.8 29.1 43.7



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

