

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120720\
 Data File : VV019486.D
 Acq On : 07 Dec 2020 12:04
 Operator : SY/MD
 Sample : VSTD00565
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Quant Time: Dec 07 13:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 13:33:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	337472	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330278	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155662	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9452	2.98	ug/L	0.00
7) Chloroethane-d5	1.58	69	9775	3.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	23012	3.95	ug/L	0.00
21) 2-Butanone-d5	4.06	46	122	0.06	ug/L	0.17
24) Chloroform-d	4.37	84	22746	4.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	14512	4.10	ug/L	0.00
32) Benzene-d6	5.07	84	41990	4.32	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	14762	4.55	ug/L	0.00
41) Toluene-d8	7.34	98	32506	3.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	6114	3.93	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	5196	4.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.23	84	15469	3.73	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	13408	4.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	7496	2.994 ug/L	93
3) Chloromethane	1.25	50	7755	2.359 ug/L	90
5) Vinyl chloride	1.32	62	9088	2.787 ug/L	99
6) Bromomethane	1.53	94	8002	3.753 ug/L	99
8) Chloroethane	1.60	64	7678	3.647 ug/L	98
9) Trichlorofluoromethane	1.76	101	16020	3.810 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	9303	4.059 ug/L	95
12) 1,1-Dichloroethene	2.13	96	8816	3.766 ug/L	94
13) Acetone	2.18	43	20864	12.618 ug/L	96
14) Carbon disulfide	2.31	76	25608	3.812 ug/L	97
15) Methyl Acetate	2.45	43	12989	4.052 ug/L	99
16) Methylene chloride	2.52	84	13235	4.726 ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	9839	4.152 ug/L	94
18) Methyl tert-butyl Ether	2.78	73	32584	4.195 ug/L	98
19) 1,1-Dichloroethane	3.21	63	22965	4.602 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	11008	4.187 ug/L	96
22) 2-Butanone	4.00	43	18340	8.565 ug/L	86
23) Bromochloromethane	4.27	128	5395	3.901 ug/L	94
25) Chloroform	4.40	83	22895	4.569 ug/L	100
27) 1,2-Dichloroethane	5.15	62	17637	4.446 ug/L #	95
29) Cyclohexane	4.69	56	14725	4.256 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	18849	4.714 ug/L	99
31) Carbon tetrachloride	4.85	117	15529	4.556 ug/L	98
33) Benzene	5.12	78	42943	4.376 ug/L	100
34) Trichloroethene	5.94	95	13577	4.960 ug/L	96
35) Methylcyclohexane	6.15	83	14174	4.393 ug/L	99
37) 1,2-Dichloropropane	6.19	63	12384	4.482 ug/L #	97
38) Bromodichloromethane	6.53	83	16285	4.473 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	15249	3.786 ug/L	94
40) 4-Methyl-2-pentanone	7.24	43	31120	7.917 ug/L	98

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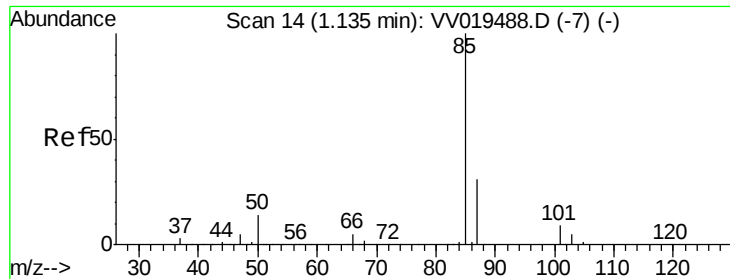
Instrument :
 MSVOA_V
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Quant Time: Dec 07 13:35:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	40135	3.966	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	16136	4.027	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	11554	4.540	ug/L	98
46) Tetrachloroethene	7.99	164	7418	3.998	ug/L	95
48) 2-Hexanone	8.16	43	26847	8.613	ug/L	91
49) Dibromochloromethane	8.27	129	11274	4.055	ug/L	98
50) 1,2-Dibromoethane	8.37	107	11157	4.179	ug/L #	94
51) Chlorobenzene	8.90	112	29141	4.371	ug/L	96
52) Ethylbenzene	9.03	91	42708	3.921	ug/L	96
53) m,p-Xylene	9.16	106	15047	3.770	ug/L	85
54) o-xylene	9.56	106	13889	3.575	ug/L	98
55) Styrene	9.58	104	24004	3.444	ug/L	100
56) Isopropylbenzene	9.95	105	37175	3.618	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	15256	3.903	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	15791	4.419	ug/L	98
61) Bromoform	9.75	173	7488	4.214	ug/L #	95
62) 1,3-Dichlorobenzene	11.20	146	20430	4.516	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	23620	4.973	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	20793	4.467	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	3542	4.290	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	15443	4.655	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	11649	3.977	ug/L	95
69) Naphthalene	13.53	128	26497	3.555	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	12635	4.138	ug/L	93

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



#2

Dichlorodifluoromethane

Concen: 2.994 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampled :

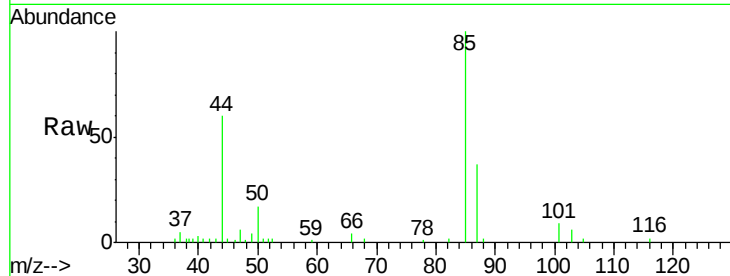
VSTD00565

Tgt Ion: 85 Resp: 7496

Ion Ratio Lower Upper

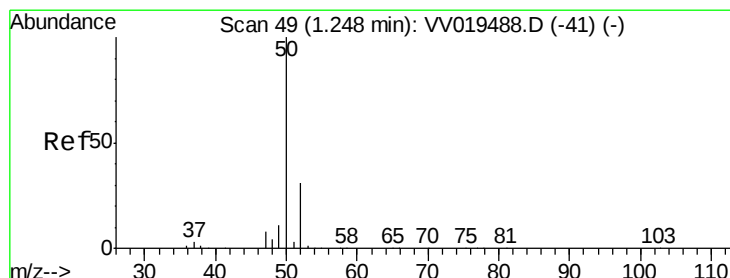
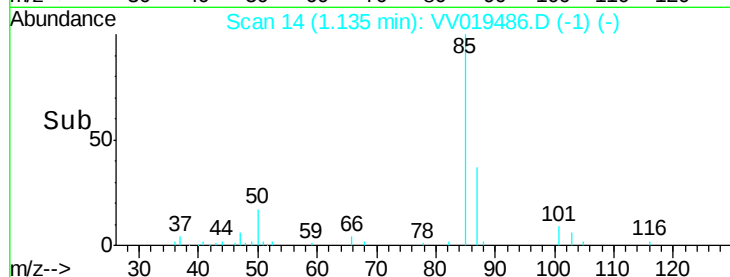
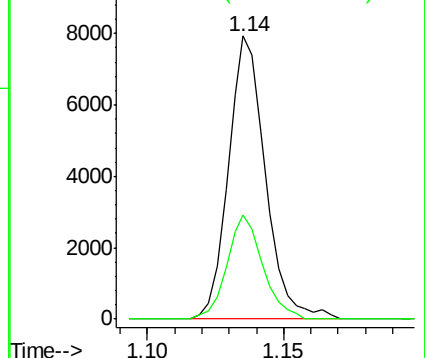
85 100

87 35.5 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.359 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019486.D

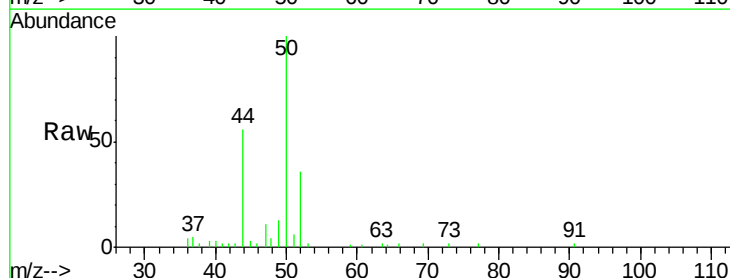
Acq: 07 Dec 2020 12:04

Tgt Ion: 50 Resp: 7755

Ion Ratio Lower Upper

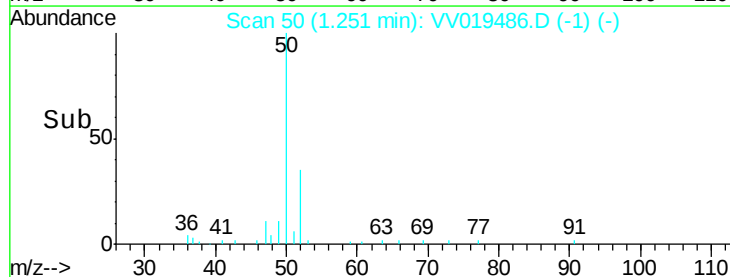
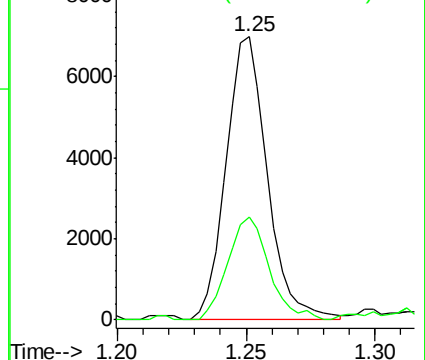
50 100

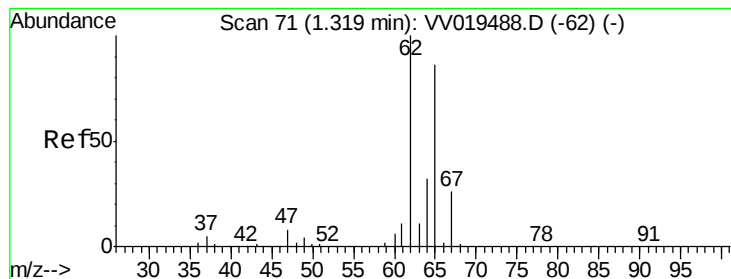
52 36.5 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.787 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

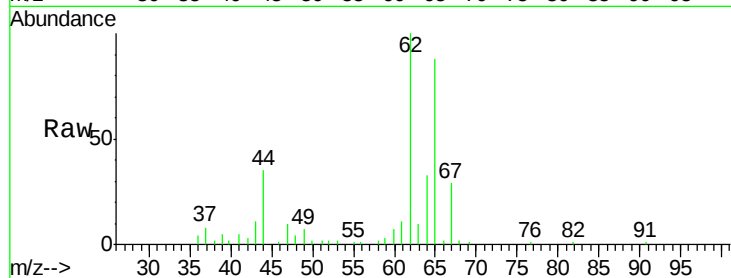
VSTD00565

Tgt Ion: 62 Resp: 9088

Ion Ratio Lower Upper

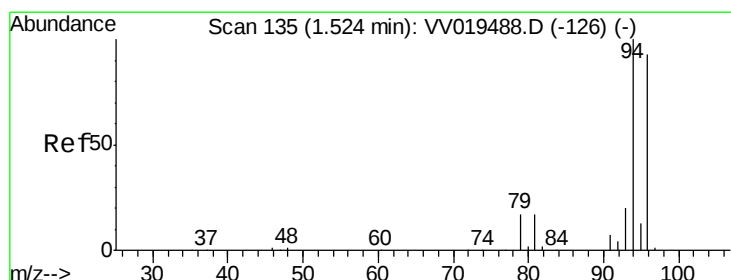
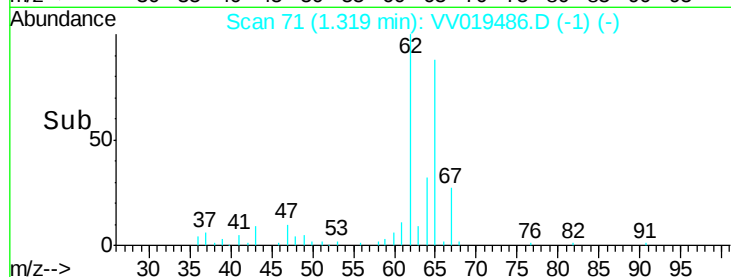
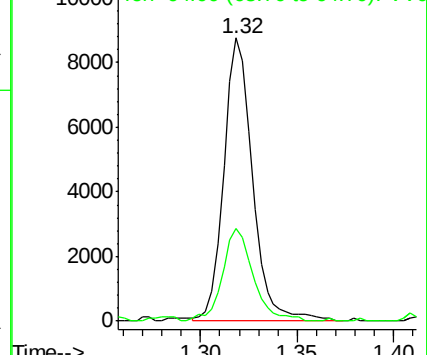
62 100

64 33.0 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 3.753 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV019486.D

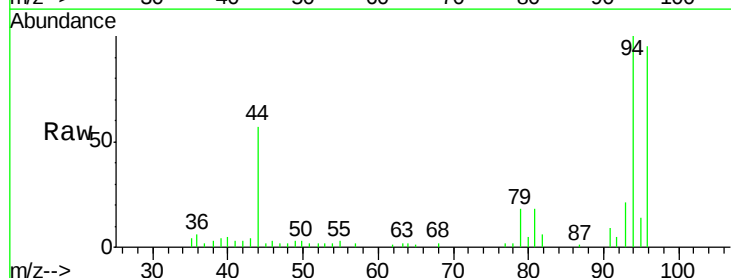
Acq: 07 Dec 2020 12:04

Tgt Ion: 94 Resp: 8002

Ion Ratio Lower Upper

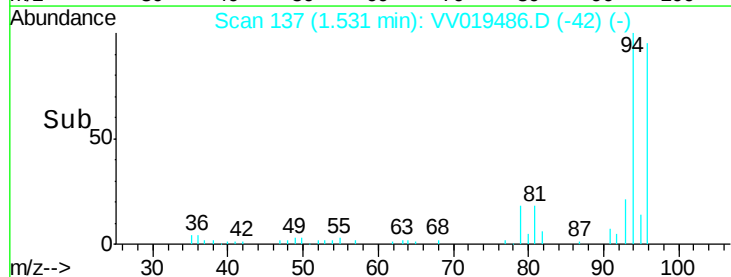
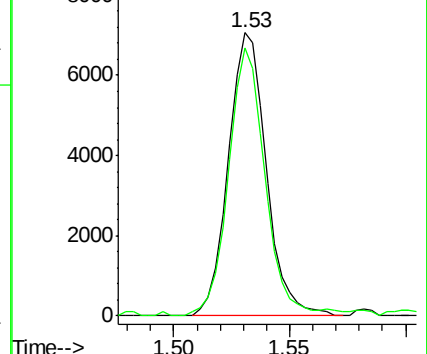
94 100

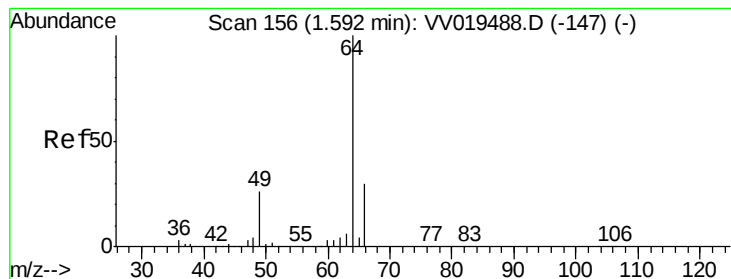
96 94.6 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.647 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

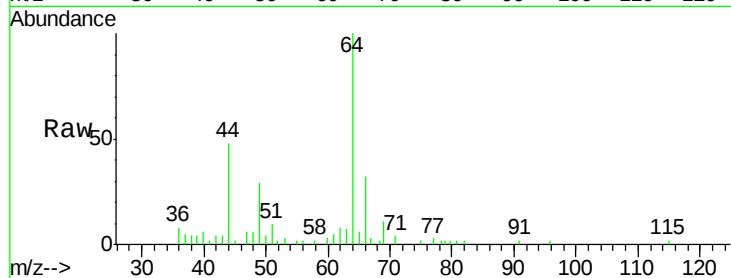
VSTD00565

Tgt Ion: 64 Resp: 7678

Ion Ratio Lower Upper

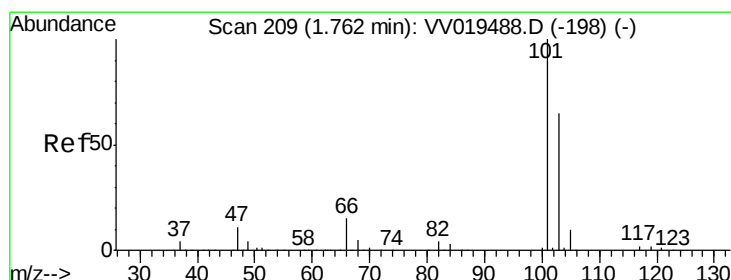
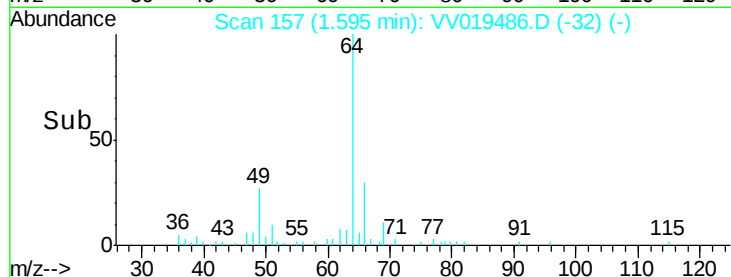
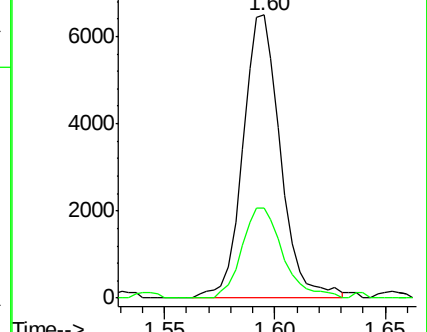
64 100

66 31.7 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV019486.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV019486.D (-157) (-)



#9

Trichlorofluoromethane

Concen: 3.810 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019486.D

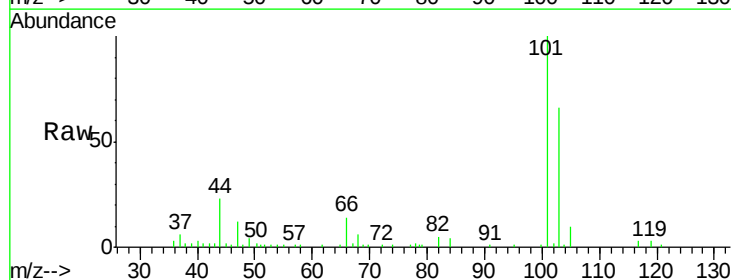
Acq: 07 Dec 2020 12:04

Tgt Ion: 101 Resp: 16020

Ion Ratio Lower Upper

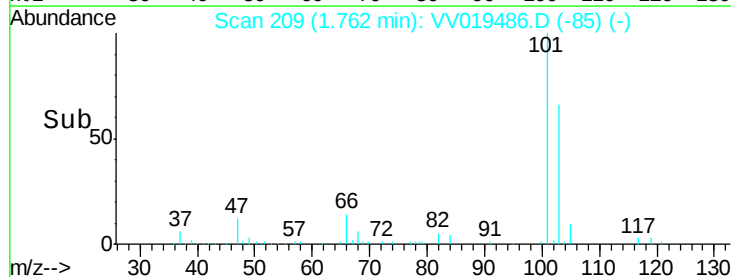
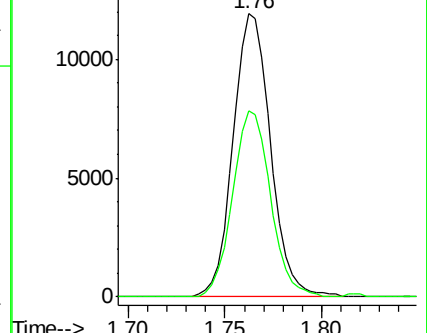
101 100

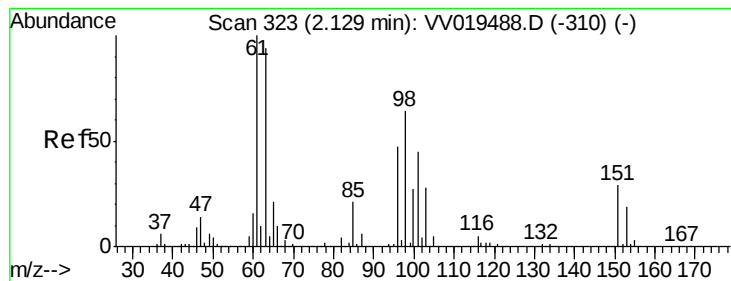
103 66.5 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV019486.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV019486.D (-209) (-)





#10

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

Concen: 4.059 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

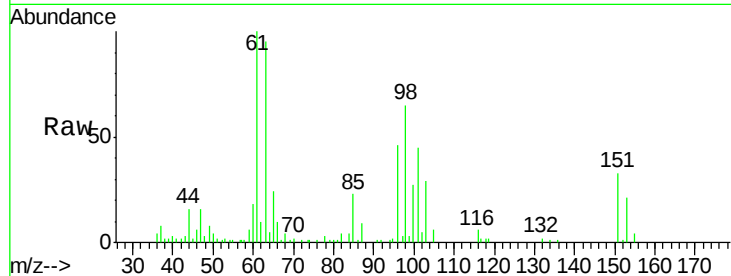
Tgt Ion: 101 Resp: 9303

Ion Ratio Lower Upper

101 100

85 51.0 37.3 55.9

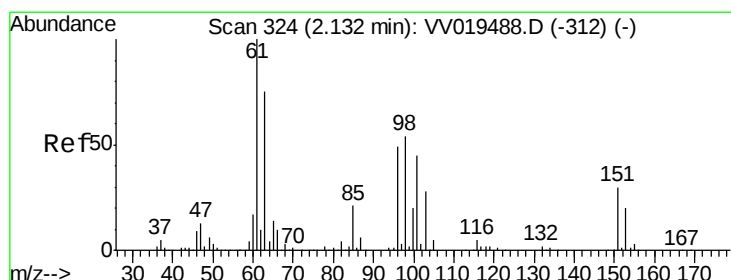
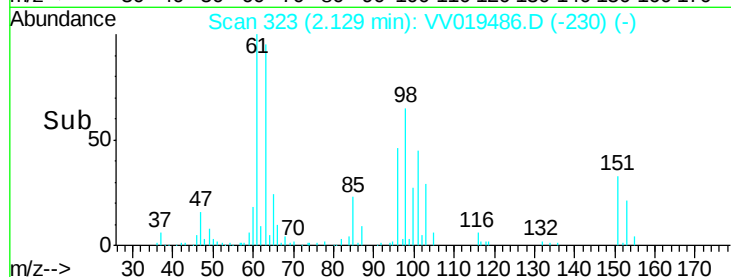
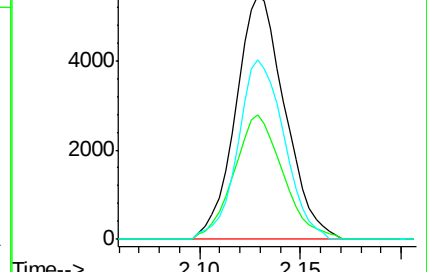
151 69.6 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): VV019486.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV019486.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV019486.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 3.766 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

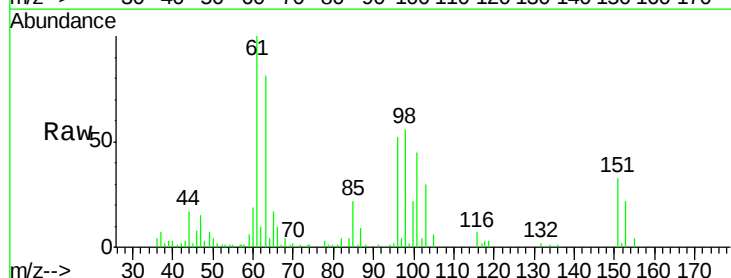
Tgt Ion: 96 Resp: 8816

Ion Ratio Lower Upper

96 100

61 191.5 144.8 268.8

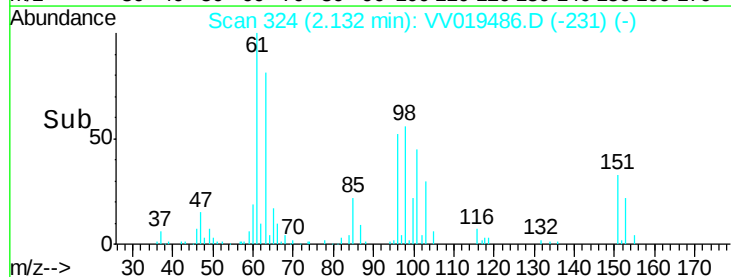
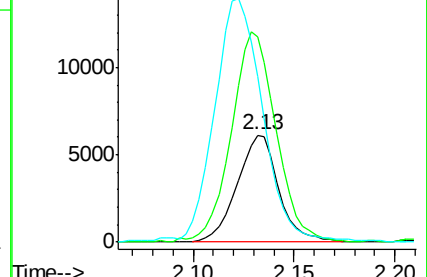
63 154.7 110.0 204.2

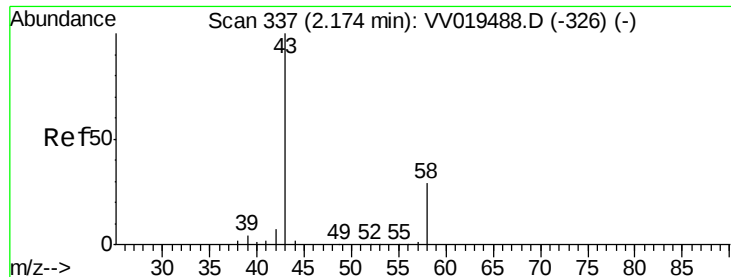


Abundance Ion 96.00 (95.70 to 96.70): VV019486.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019486.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019486.D (-231) (-)





#13

Acetone

Concen: 12.618 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.01 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

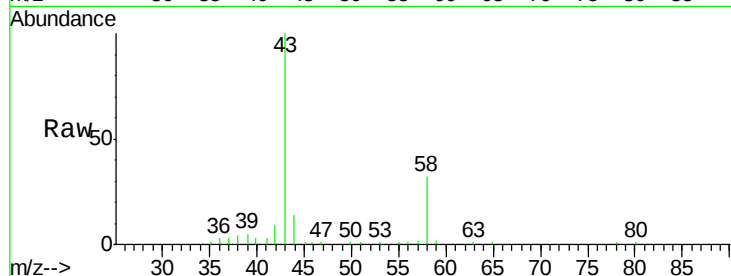
VSTD00565

Tgt Ion: 43 Resp: 20864

Ion Ratio Lower Upper

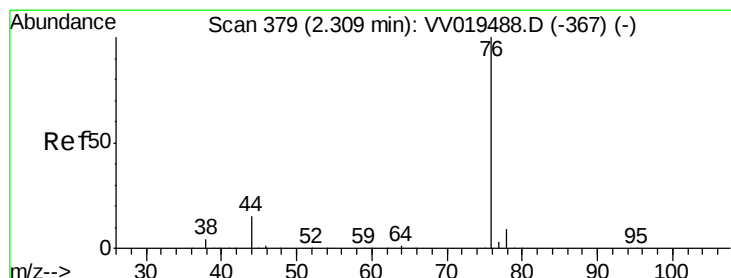
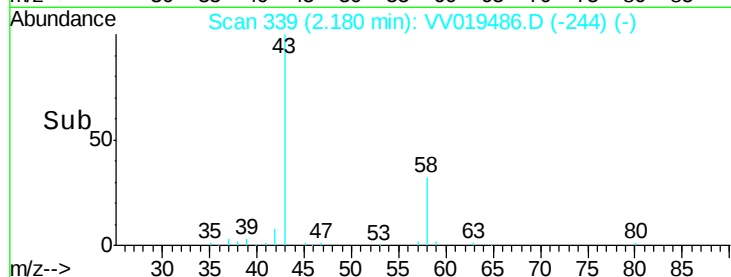
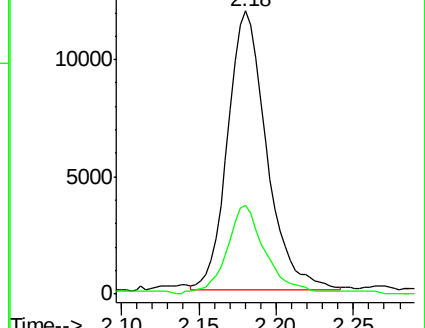
43 100

58 31.4 0.0 58.0



Abundance Ion 43.00 (42.70 to 43.70): VV019486.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV019486.D (-244) (-)



#14

Carbon disulfide

Concen: 3.812 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV019486.D

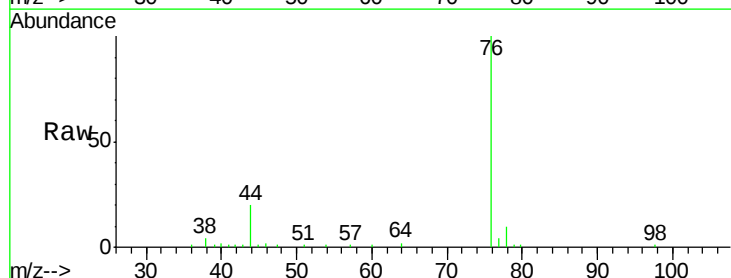
Acq: 07 Dec 2020 12:04

Tgt Ion: 76 Resp: 25608

Ion Ratio Lower Upper

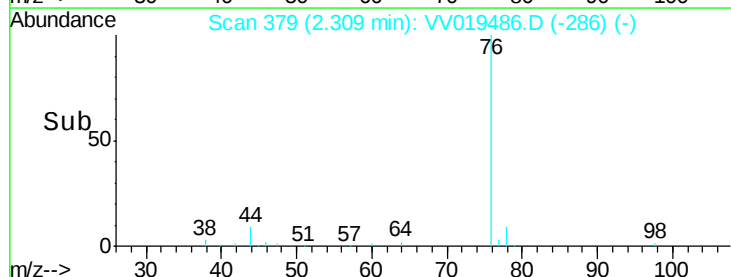
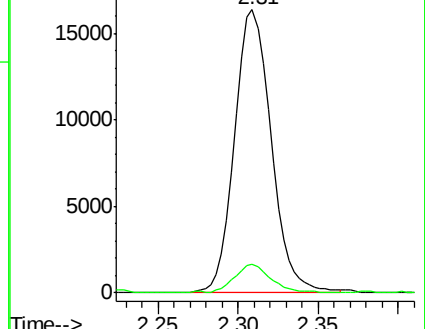
76 100

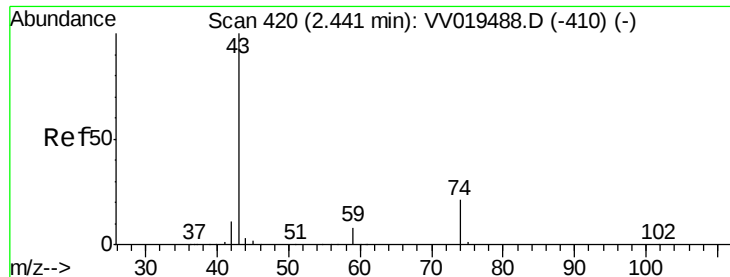
78 10.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019486.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019486.D (-286) (-)

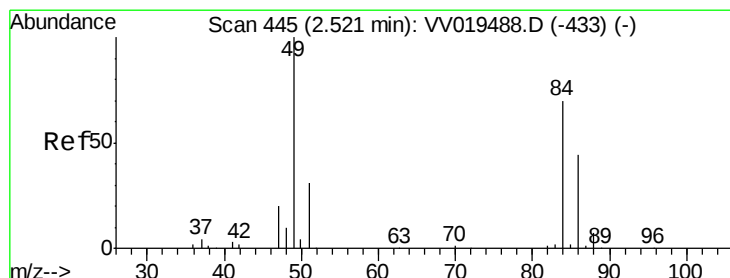
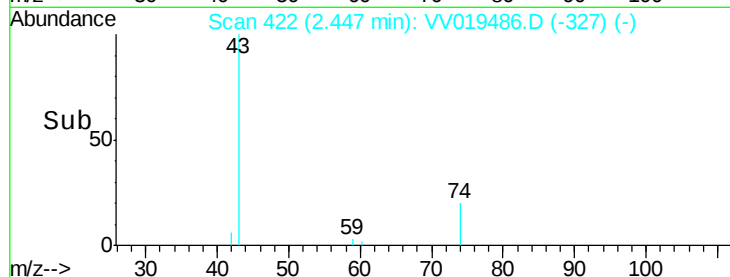
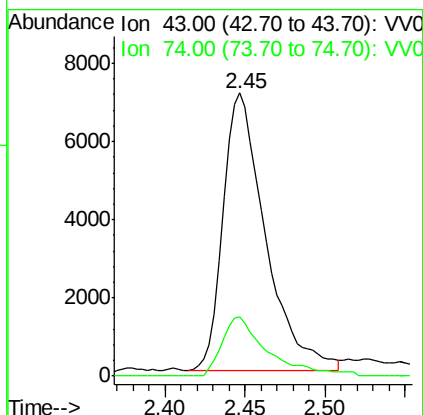
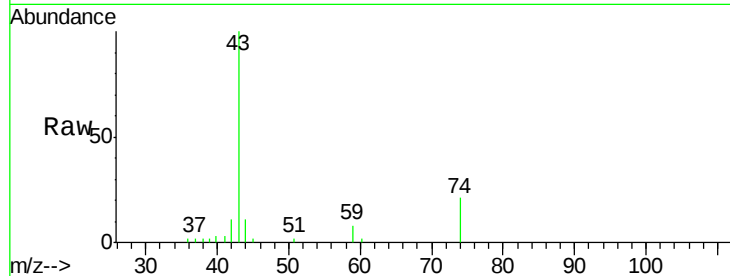




#15
Methyl Acetate
Concen: 4.052 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.01 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

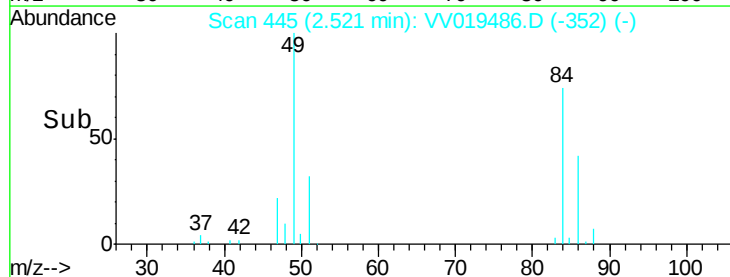
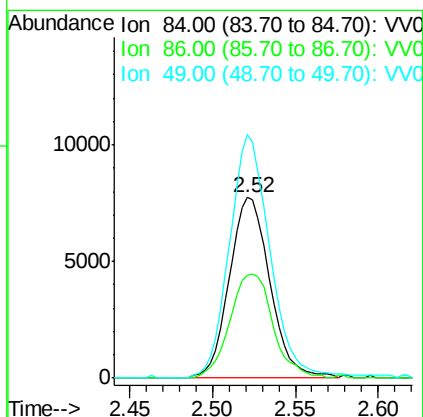
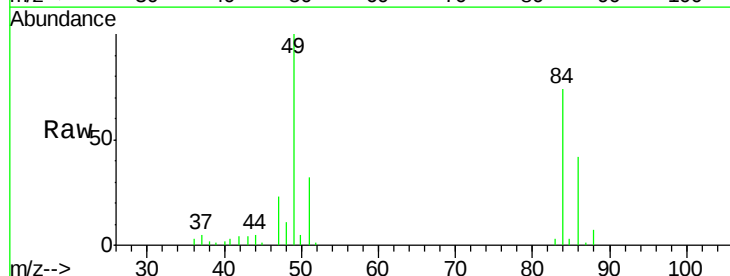
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

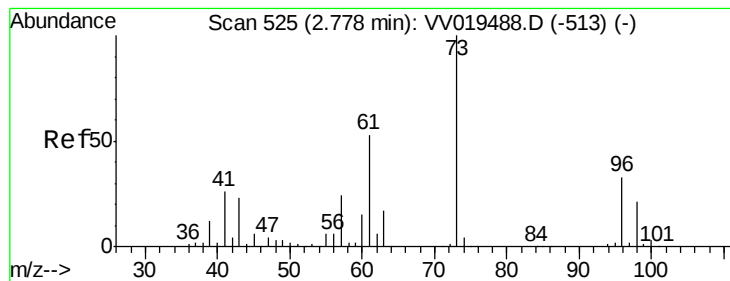
Tgt Ion: 43 Resp: 12989
Ion Ratio Lower Upper
43 100
74 20.0 16.2 24.4



#16
Methylene chloride
Concen: 4.726 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

Tgt Ion: 84 Resp: 13235
Ion Ratio Lower Upper
84 100
86 56.7 44.4 82.4
49 134.6 100.4 186.4





#17

trans-1,2-Dichloroethene

Concen: 4.152 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampled :

VSTD00565

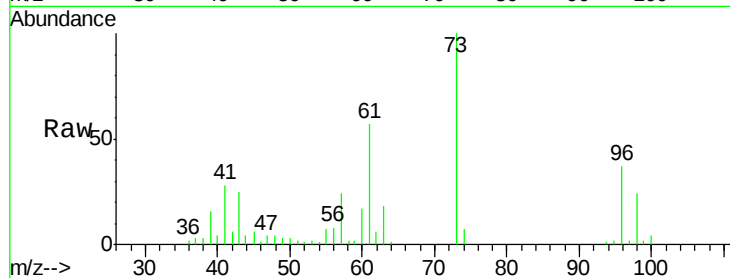
Tgt Ion: 96 Resp: 9839

Ion Ratio Lower Upper

96 100

61 152.4 112.5 208.9

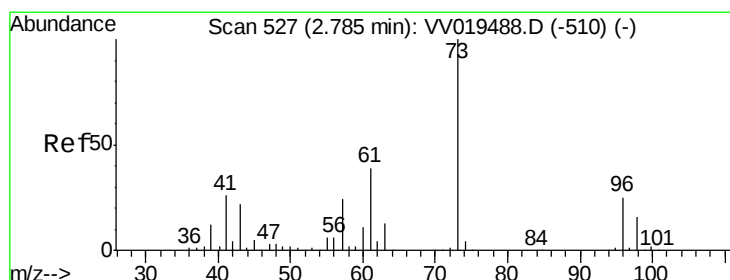
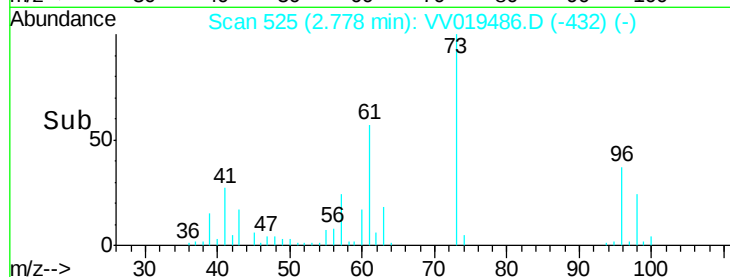
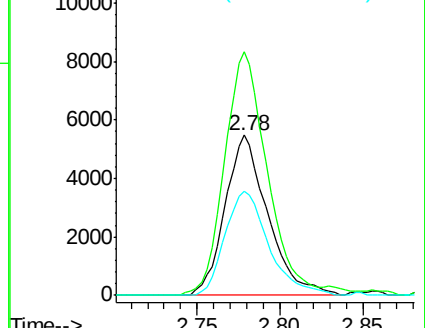
98 65.1 43.4 80.6



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: 4.195 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

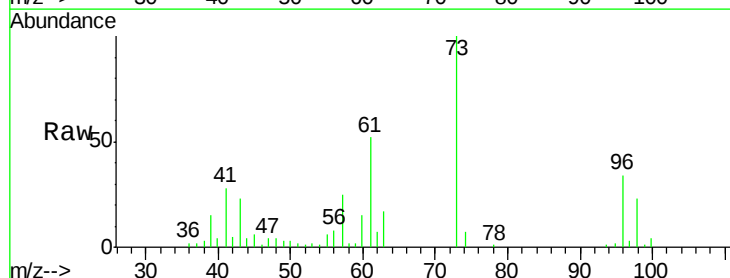
Tgt Ion: 73 Resp: 32584

Ion Ratio Lower Upper

73 100

43 22.5 18.0 27.0

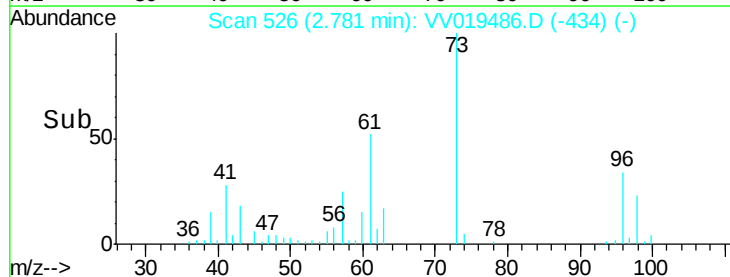
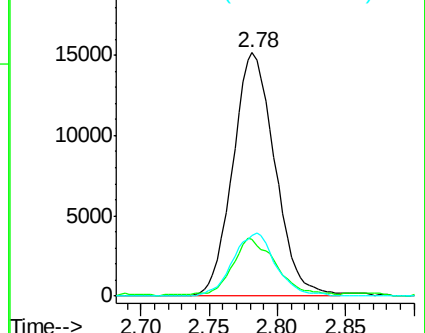
57 26.4 19.4 29.2

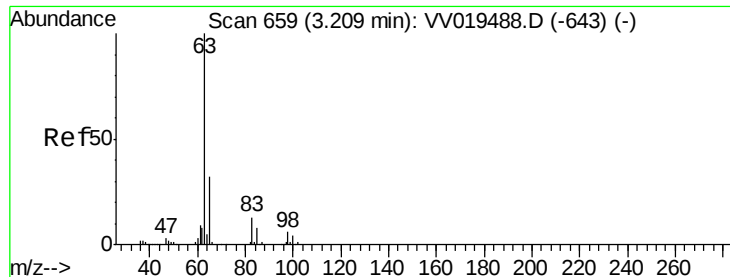


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

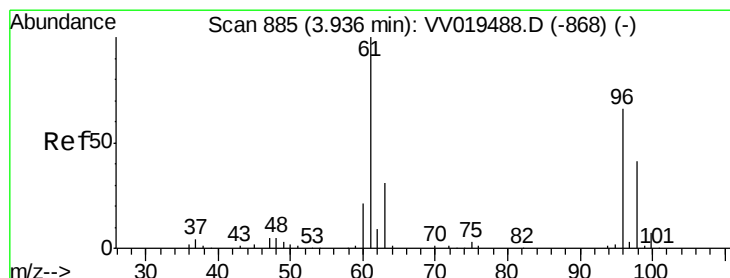
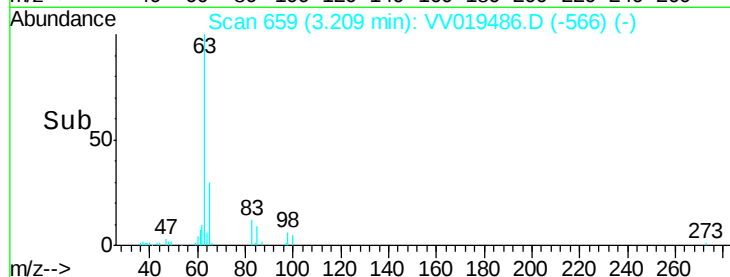
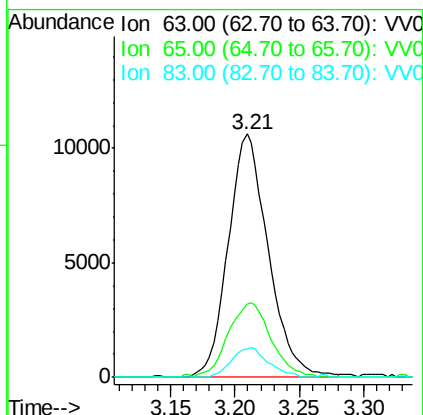
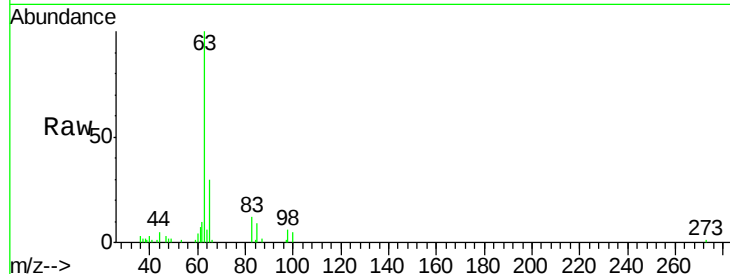




#19
 1,1-Dichloroethane
 Concen: 4.602 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

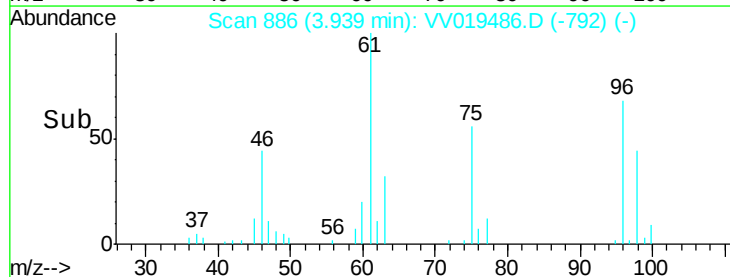
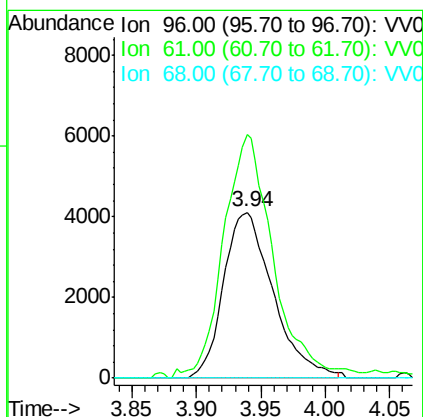
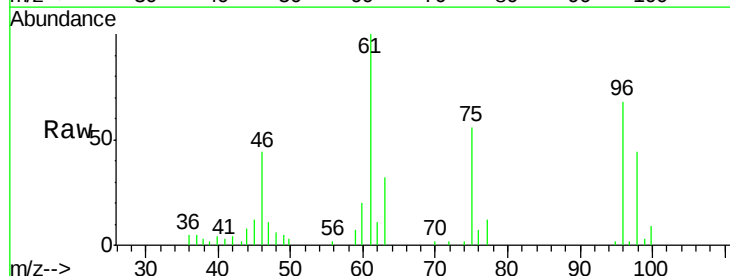
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

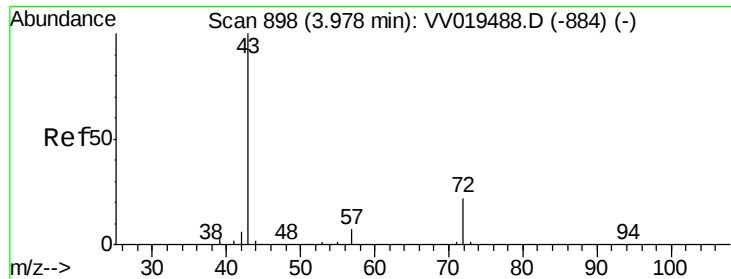
Tgt Ion:	63	Resp:	22965
Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.2	41.2
83	11.9	9.2	17.2



#20
 cis-1,2-Dichloroethene
 Concen: 4.187 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

Tgt Ion:	96	Resp:	11008
Ion	Ratio	Lower	Upper
96	100		
61	146.6	106.2	197.2
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 8.565 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.02 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

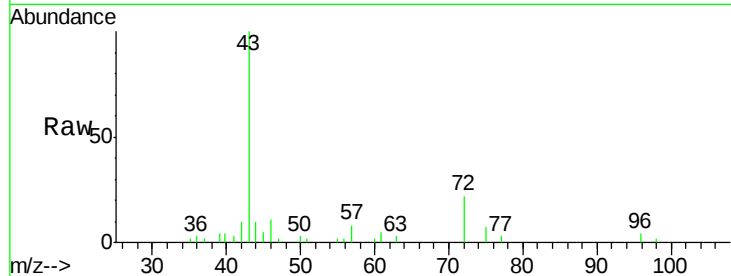
VSTD00565

Tgt Ion: 43 Resp: 18340

Ion Ratio Lower Upper

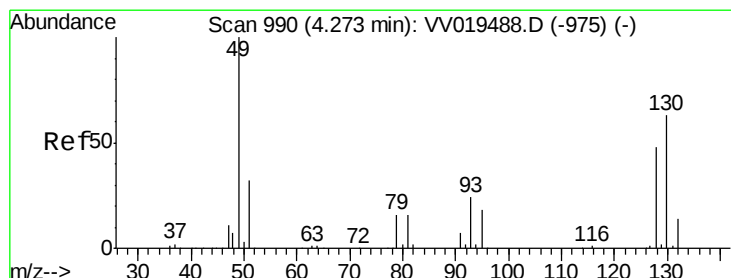
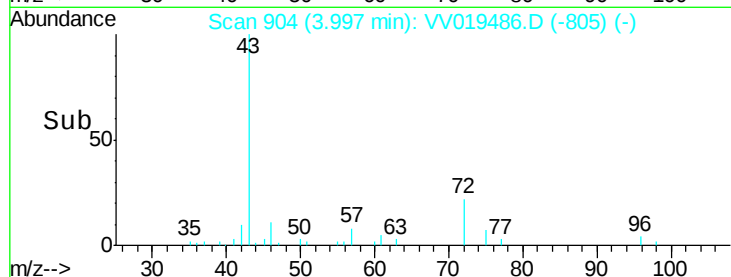
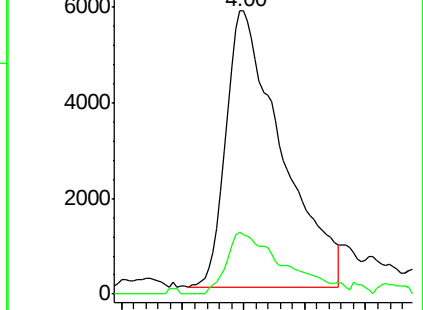
43 100

72 16.3 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019486.D (-884) (-)

Ion 72.00 (71.70 to 72.70): VV019486.D (-884) (-)



#23

Bromochloromethane

Concen: 3.901 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Tgt Ion: 128 Resp: 5395

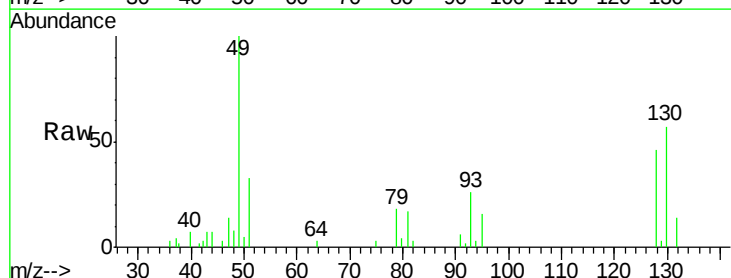
Ion Ratio Lower Upper

128 100

49 219.3 145.7 270.5

130 125.9 91.3 169.5

51 71.5 53.4 80.2

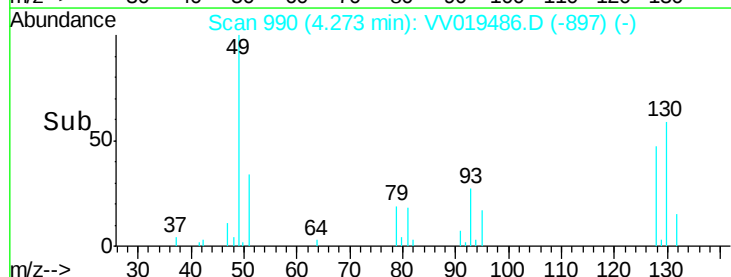
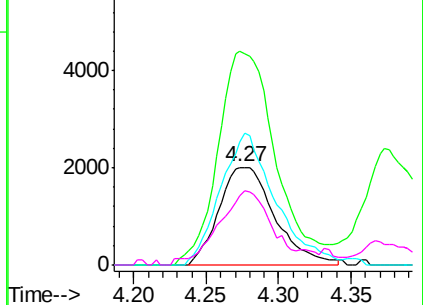


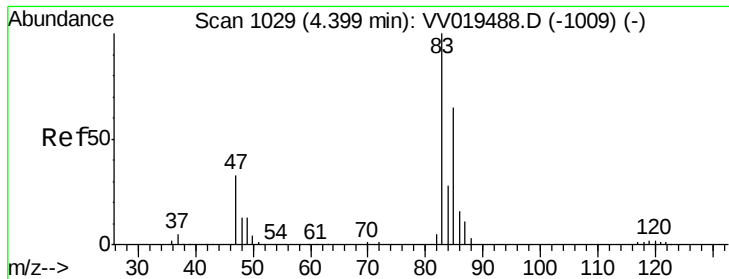
Abundance Ion 128.00 (127.70 to 128.70): VV019486.D (-884) (-)

Ion 49.00 (48.70 to 49.70): VV019486.D (-884) (-)

Ion 130.00 (129.70 to 130.70): VV019486.D (-884) (-)

Ion 51.00 (50.70 to 51.70): VV019486.D (-884) (-)

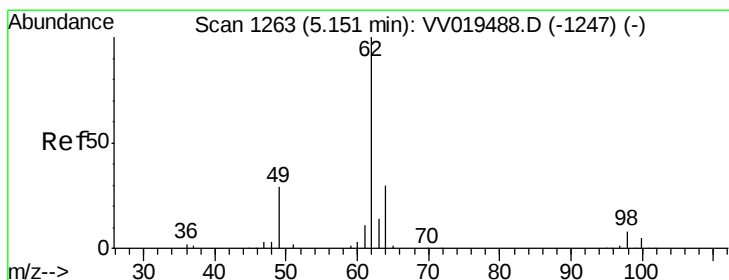
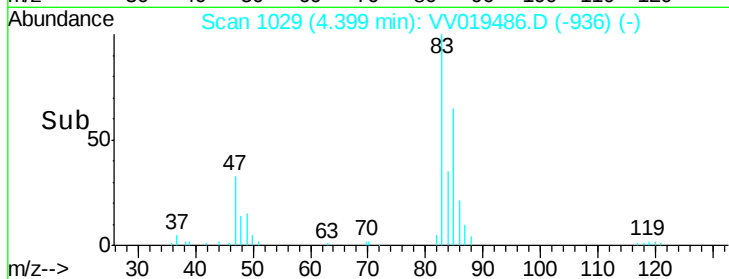
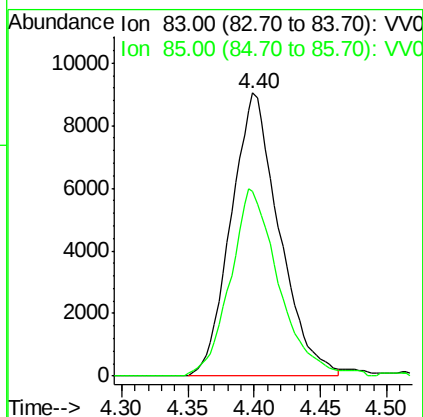
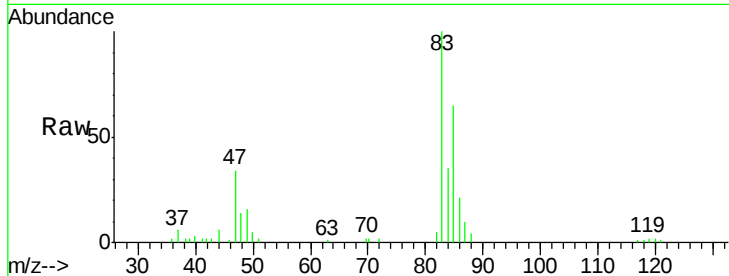




#25
Chloroform
Concen: 4.569 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

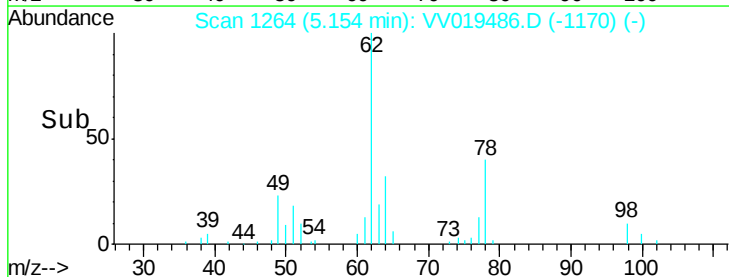
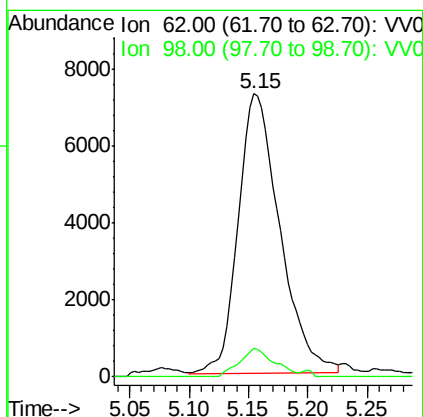
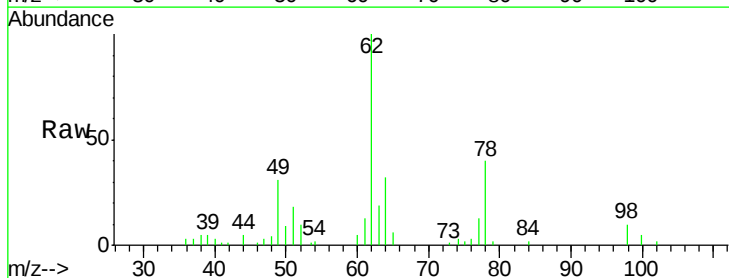
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

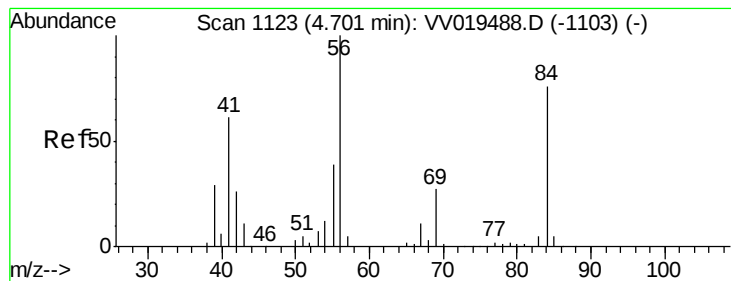
Tgt Ion: 83 Resp: 22895
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 4.446 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

Tgt Ion: 62 Resp: 17637
Ion Ratio Lower Upper
62 100
98 9.9 6.4 9.6#





#29

Cyclohexane

Concen: 4.256 ug/L

RT: 4.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

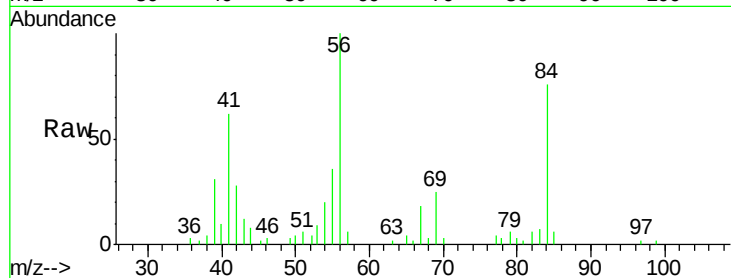
Tgt Ion: 56 Resp: 14725

Ion Ratio Lower Upper

56 100

69 29.7 22.6 34.0

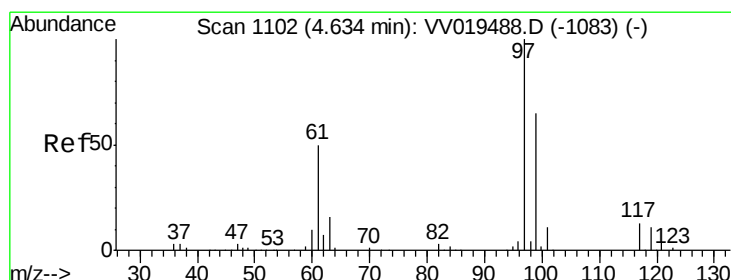
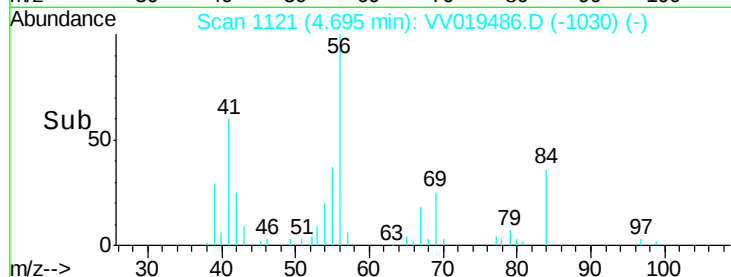
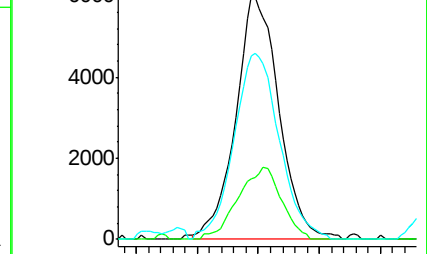
84 80.0 61.9 92.9



Abundance Ion 56.00 (55.70 to 56.70): VV019486.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV019486.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV019486.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 4.714 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

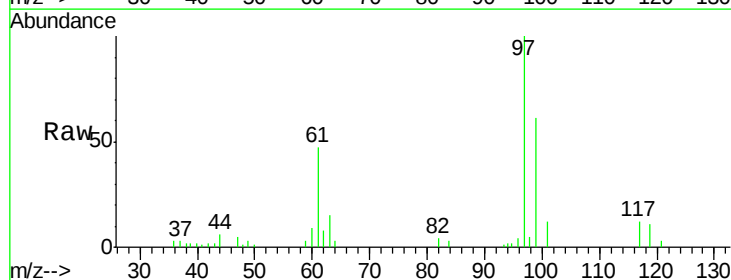
Tgt Ion: 97 Resp: 18849

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

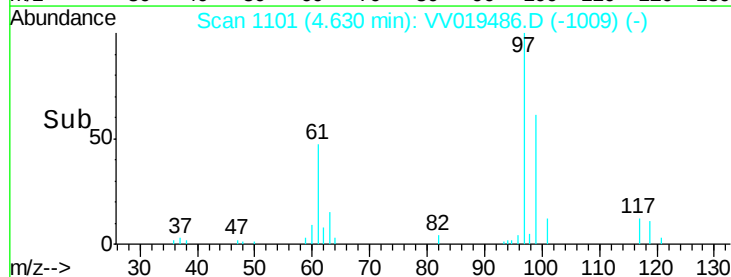
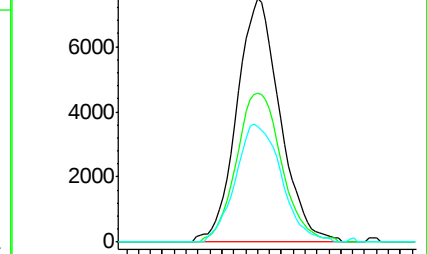
61 51.2 40.4 60.6

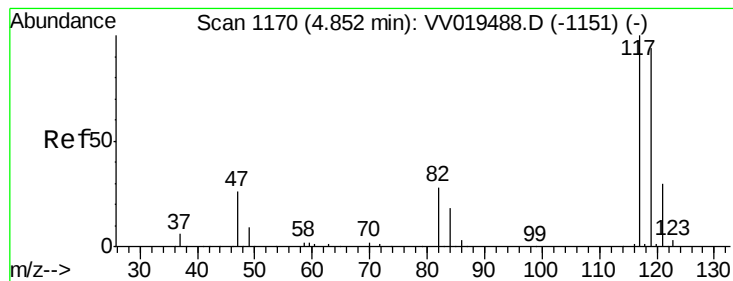


Abundance Ion 97.00 (96.70 to 97.70): VV019486.D (-1103) (-)

Ion 99.00 (98.70 to 99.70): VV019486.D (-1103) (-)

Ion 61.05 (60.75 to 61.75): VV019486.D (-1103) (-)





#31

Carbon tetrachloride

Concen: 4.556 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

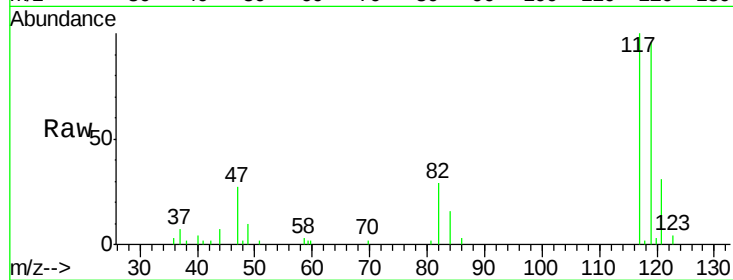
VSTD00565

Tgt Ion:117 Resp: 15529

Ion Ratio Lower Upper

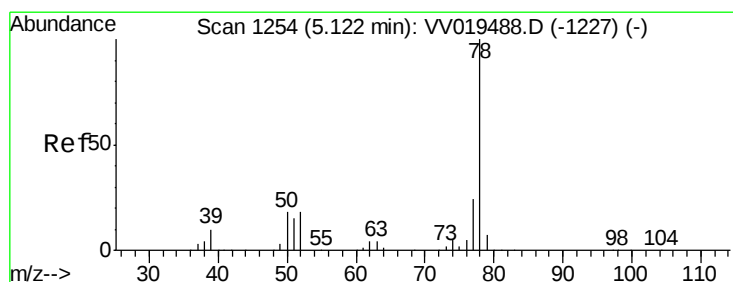
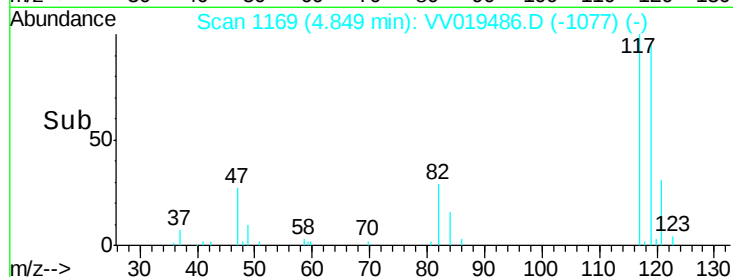
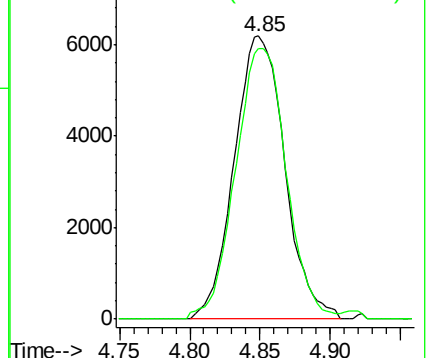
117 100

119 96.2 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 4.376 ug/L

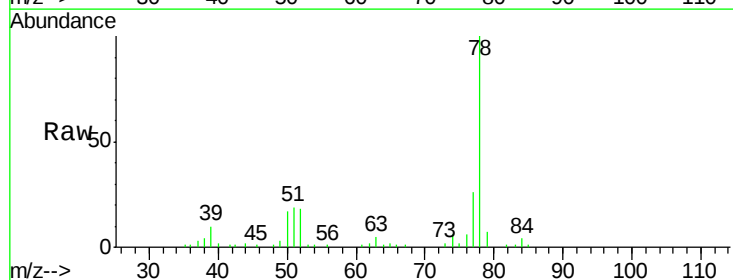
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

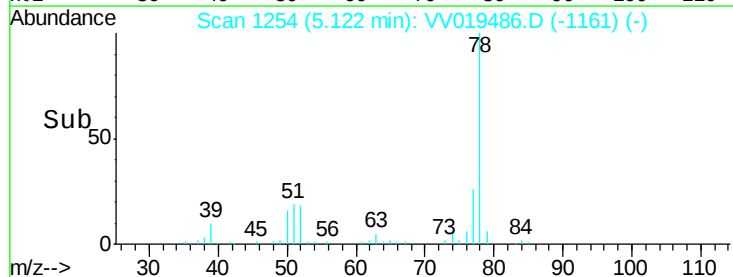
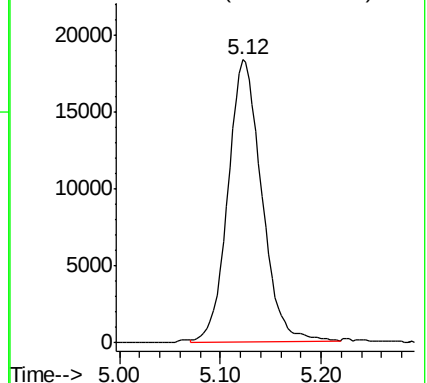
Lab File: VV019486.D

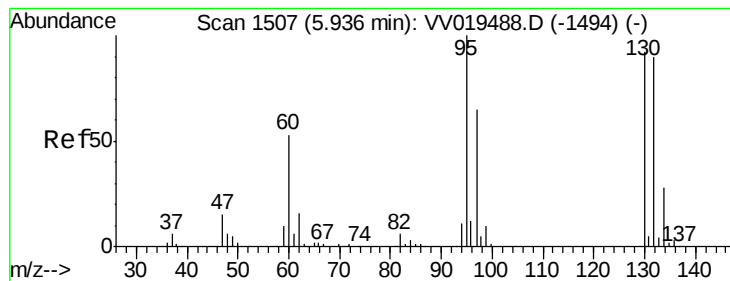
Acq: 07 Dec 2020 12:04

Tgt Ion: 78 Resp: 42943



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 4.960 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 95 Resp: 13577

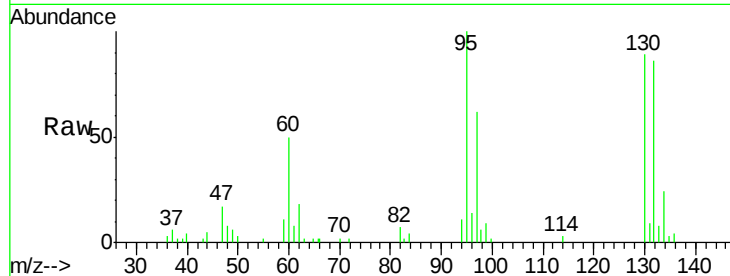
Ion Ratio Lower Upper

95 100

97 61.7 45.5 84.5

132 85.7 62.9 116.9

130 88.7 64.8 120.3

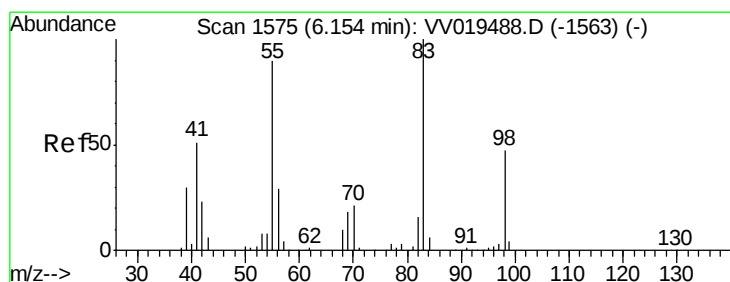
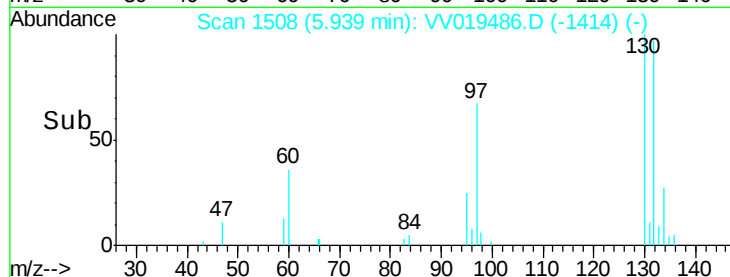
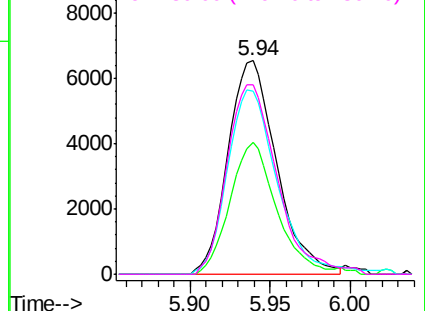


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.393 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

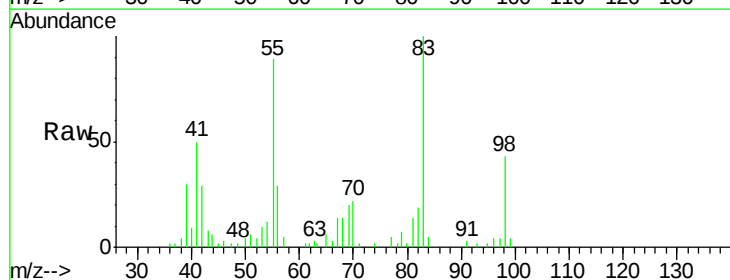
Tgt Ion: 83 Resp: 14174

Ion Ratio Lower Upper

83 100

55 86.5 69.8 104.8

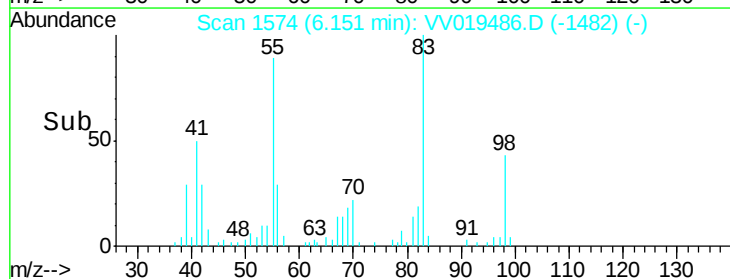
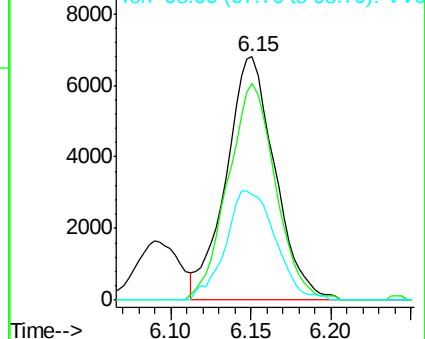
98 45.9 37.0 55.6

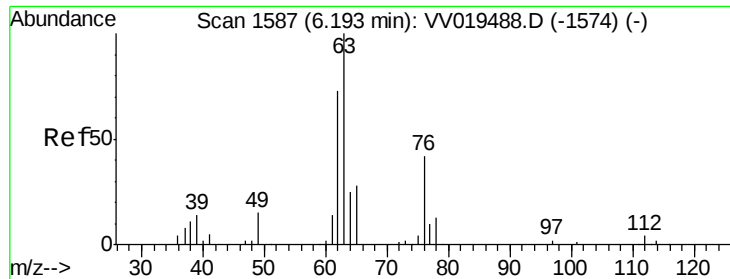


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

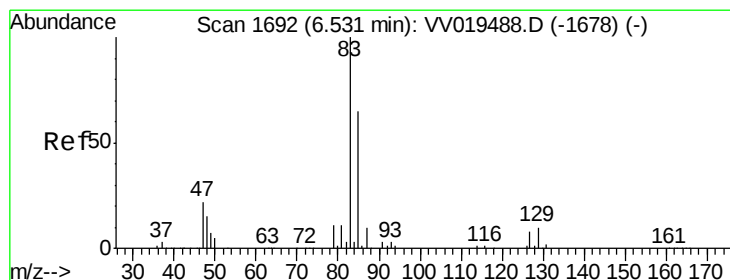
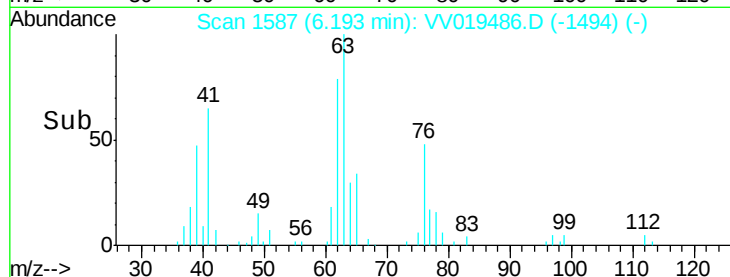
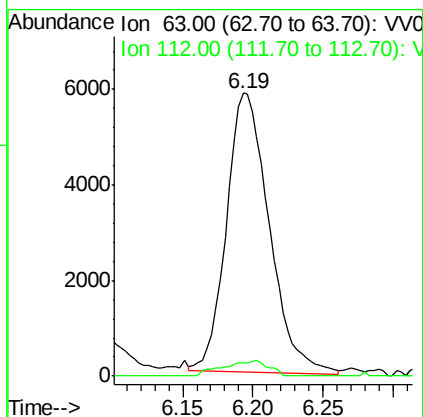
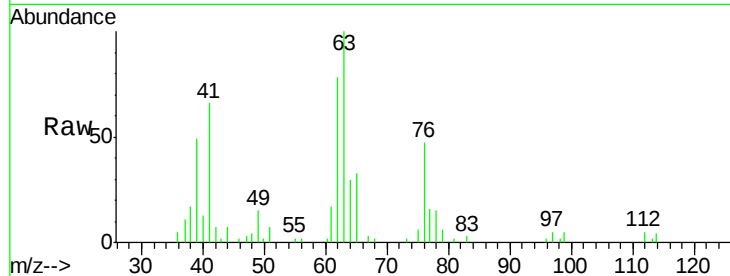




#37
 1,2-Dichloropropane
 Concen: 4.482 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

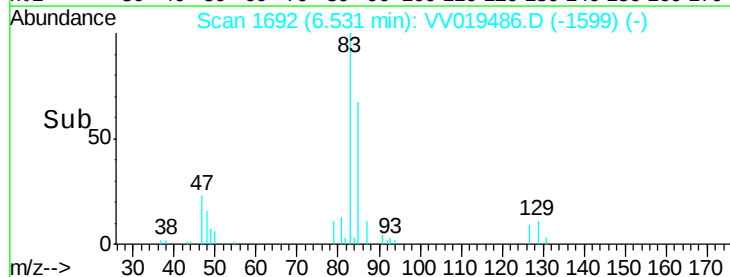
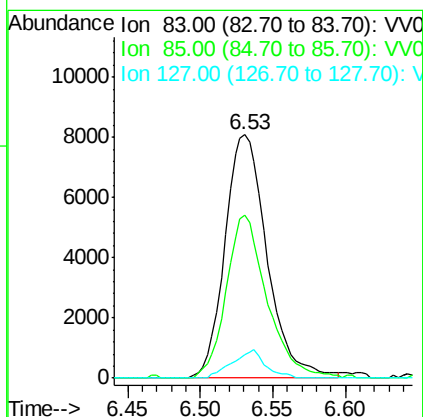
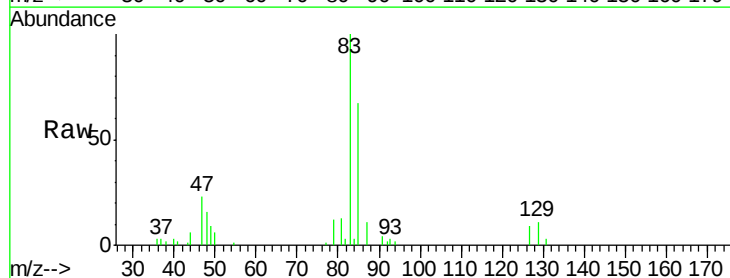
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

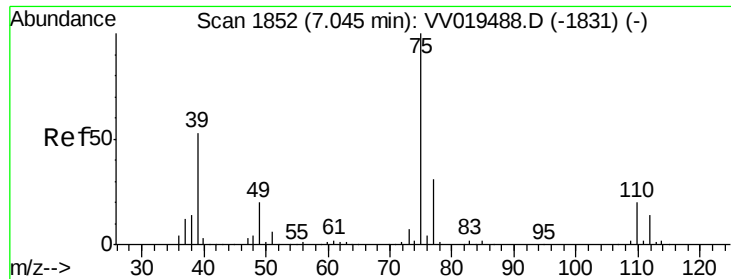
Tgt Ion: 63 Resp: 12384
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 4.473 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

Tgt Ion: 83 Resp: 16285
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.5 84.5
 127 9.5 6.4 9.6

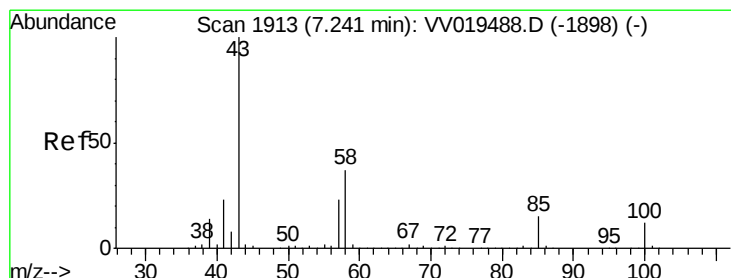
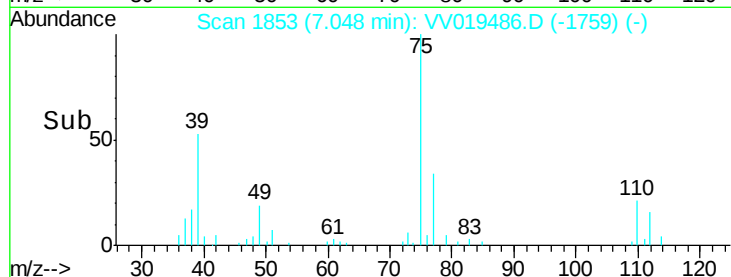
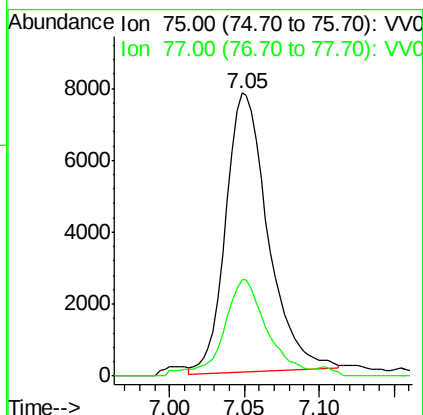
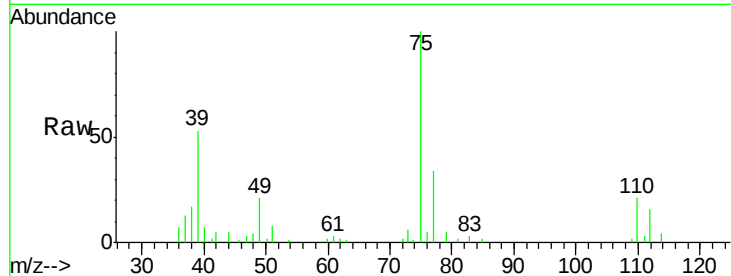




#39
 cis-1,3-Dichloropropene
 Concen: 3.786 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

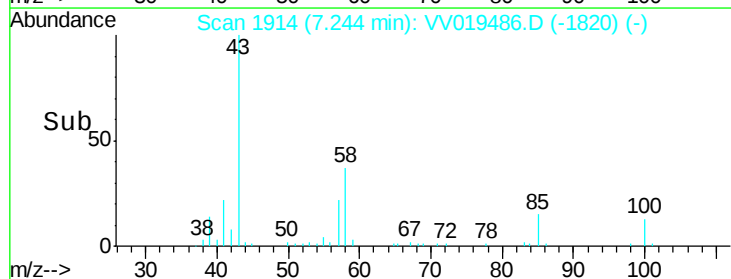
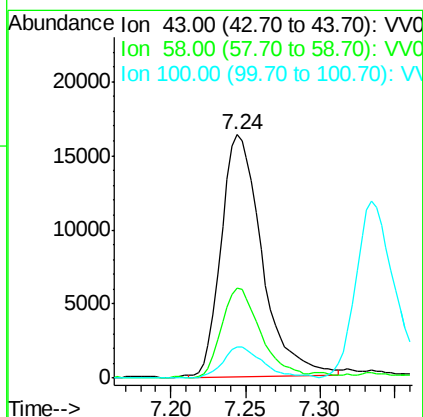
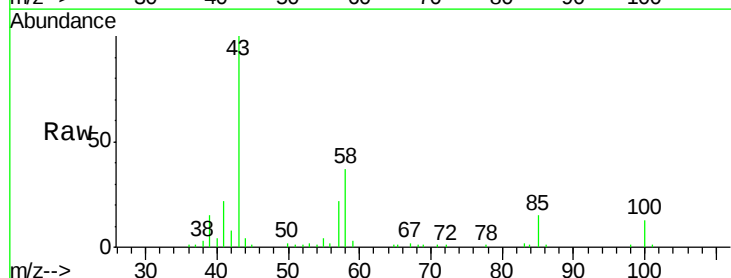
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

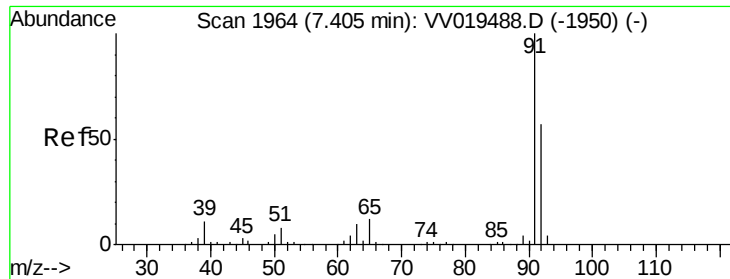
Tgt Ion: 75 Resp: 15249
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.4 39.8



#40
 4-Methyl-2-pentanone
 Concen: 7.917 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

Tgt Ion: 43 Resp: 31120
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.5 44.3
 100 12.7 10.0 15.0





#42

Toluene

Concen: 3.966 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

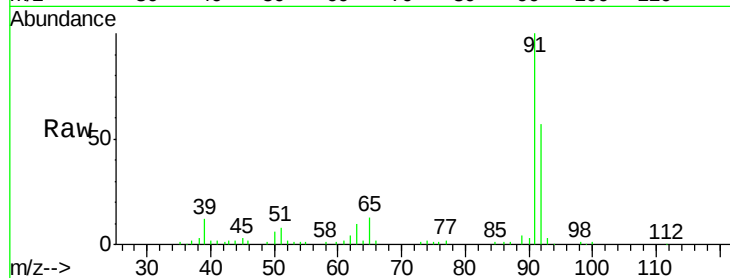
VSTD00565

Tgt Ion: 91 Resp: 40135

Ion Ratio Lower Upper

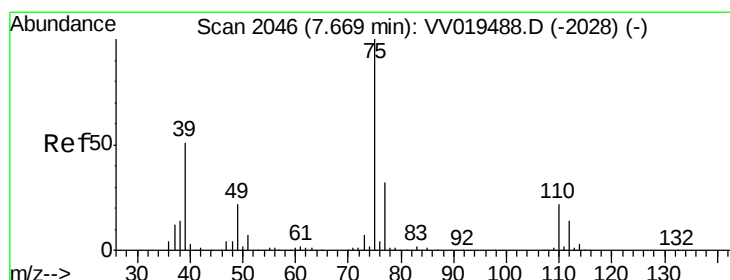
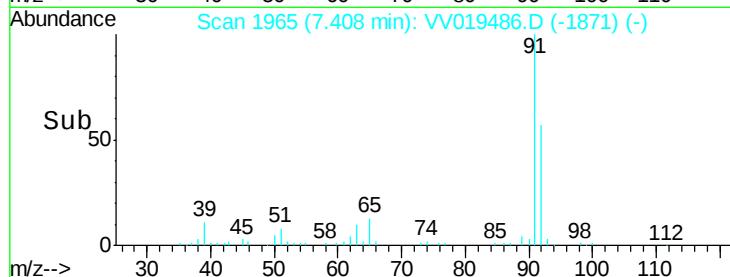
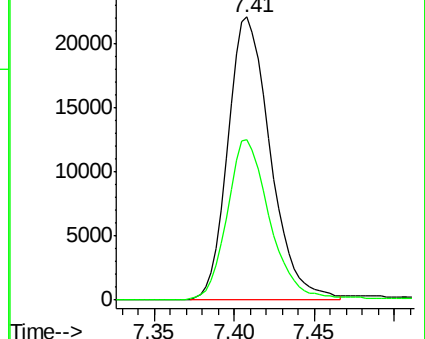
91 100

92 56.9 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.027 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019486.D

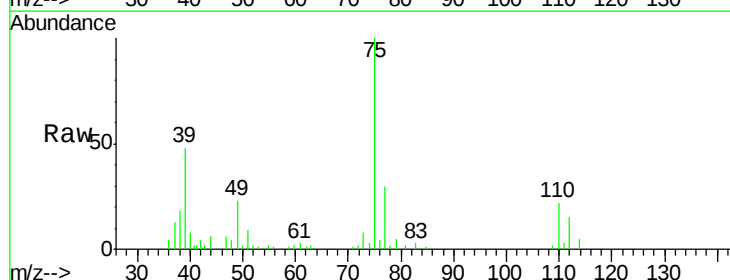
Acq: 07 Dec 2020 12:04

Tgt Ion: 75 Resp: 16136

Ion Ratio Lower Upper

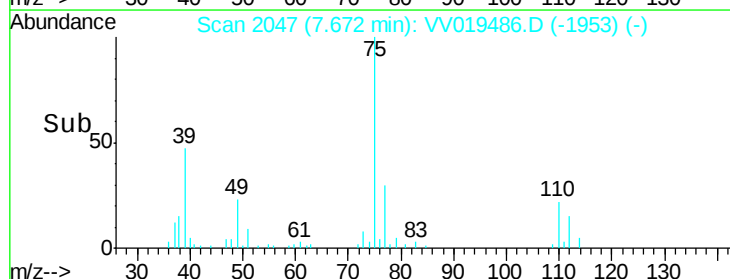
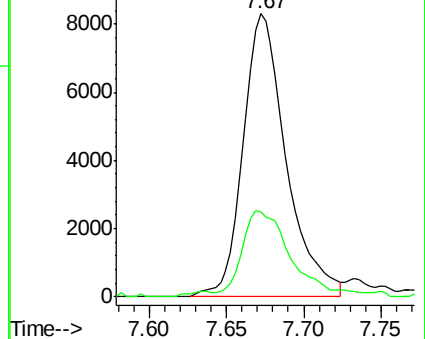
75 100

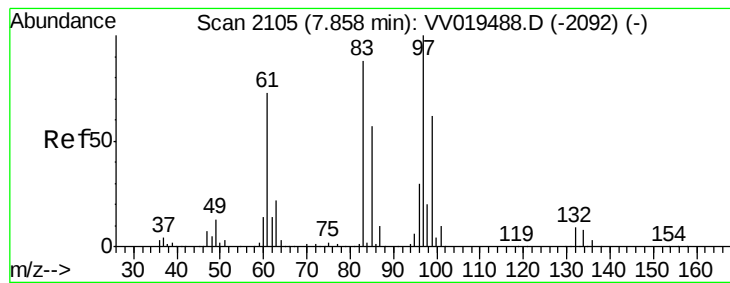
77 29.9 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 4.540 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion: 97 Resp: 11554

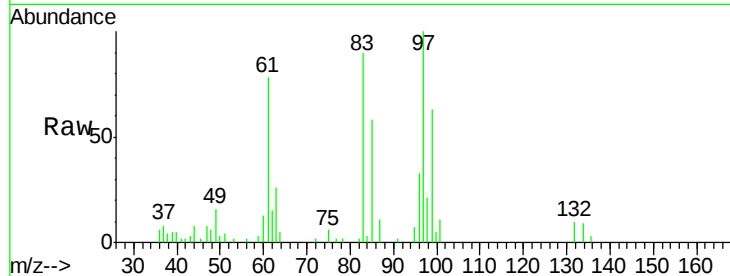
Ion Ratio Lower Upper

97 100

99 62.6 43.1 80.1

83 90.3 61.7 114.7

85 58.0 40.2 74.6

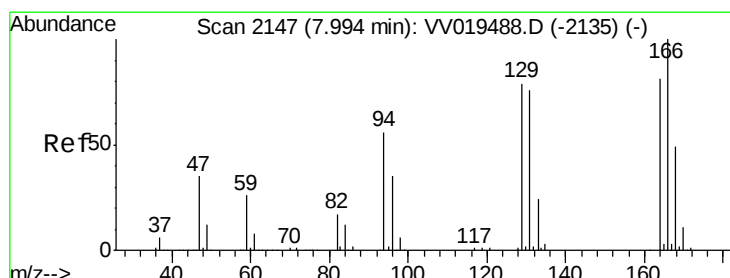
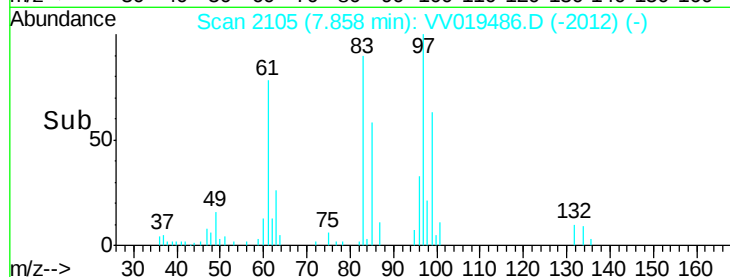
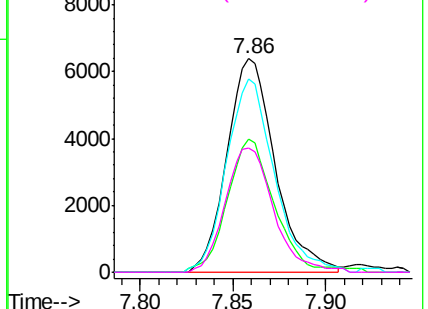


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 3.998 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Tgt Ion: 164 Resp: 7418

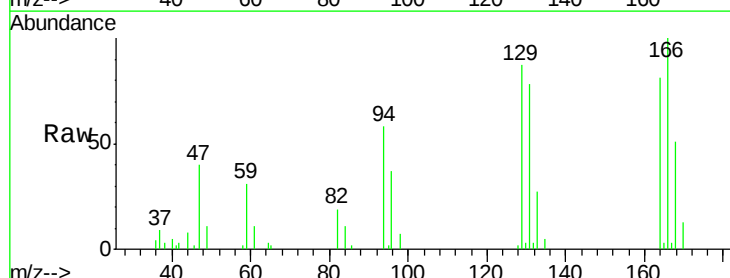
Ion Ratio Lower Upper

164 100

129 108.3 68.4 127.0

131 97.2 65.6 121.8

166 124.2 86.4 160.4

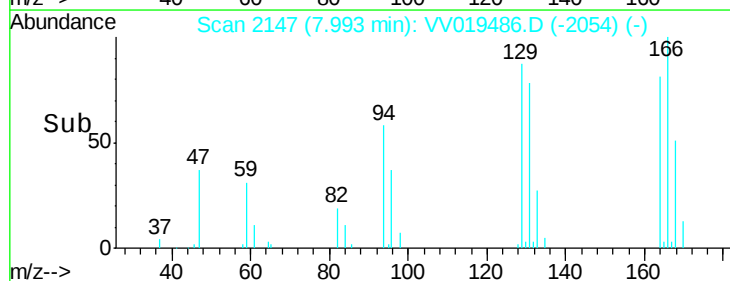
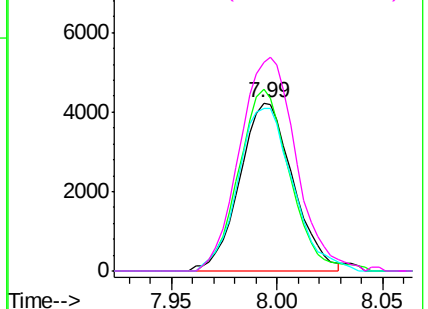


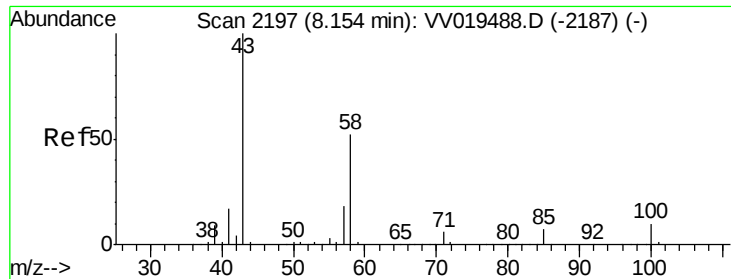
Abundance Ion 164.00 (163.70 to 164.70): V

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

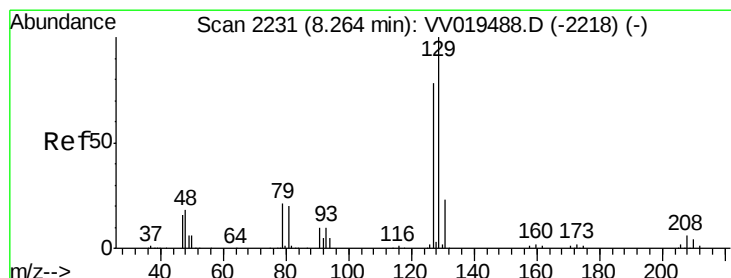
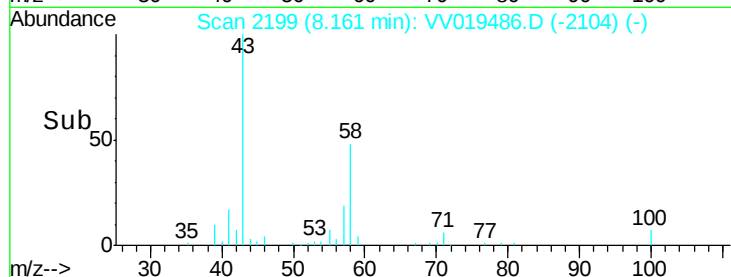
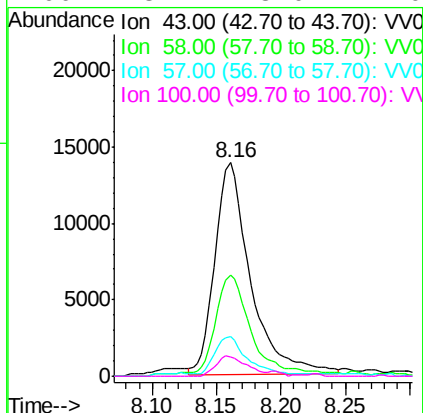
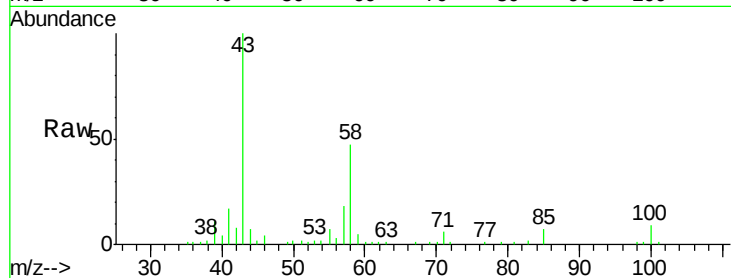




#48
2-Hexanone
Concen: 8.613 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

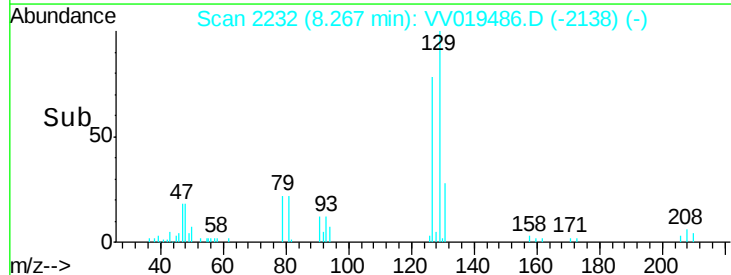
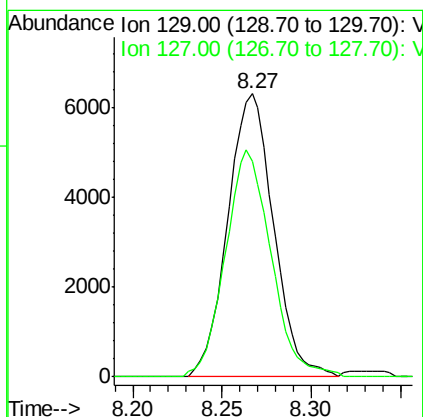
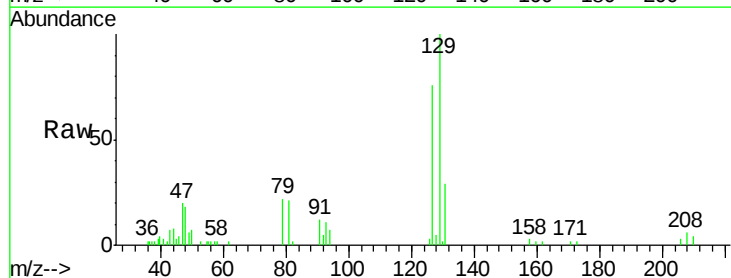
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

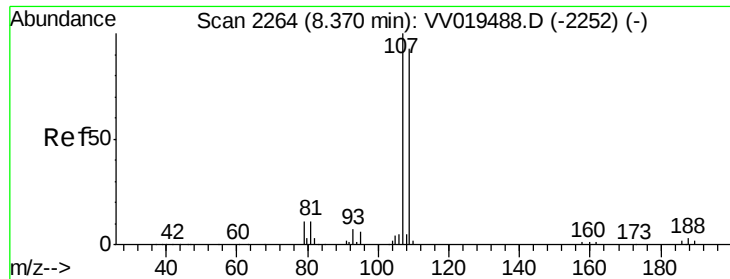
Tgt Ion: 43 Resp: 26847
Ion Ratio Lower Upper
43 100
58 43.7 41.0 61.6
57 15.2 14.2 21.2
100 8.1 8.0 12.0



#49
Dibromochloromethane
Concen: 4.055 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019486.D
Acq: 07 Dec 2020 12:04

Tgt Ion: 129 Resp: 11274
Ion Ratio Lower Upper
129 100
127 76.1 54.3 100.9

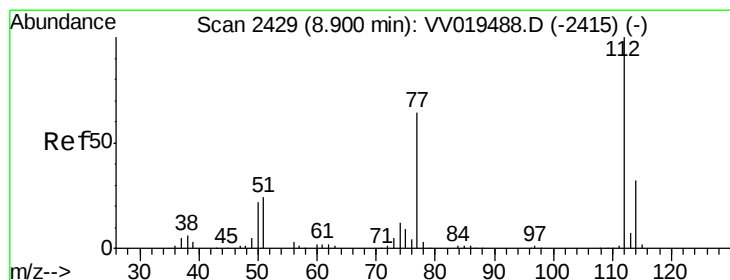
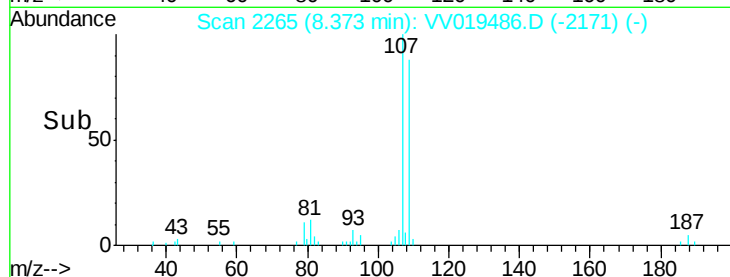
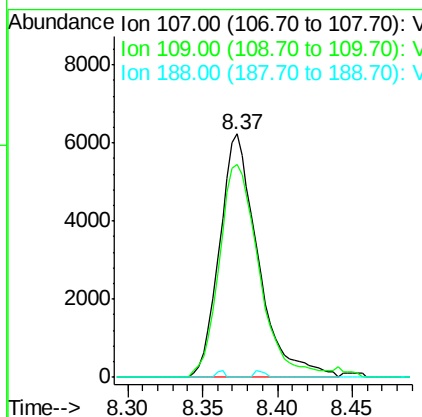
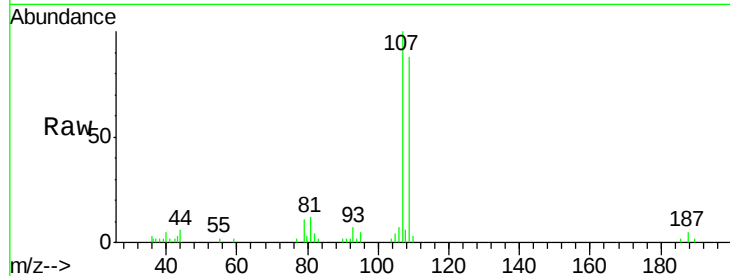




#50
 1,2-Dibromoethane
 Concen: 4.179 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

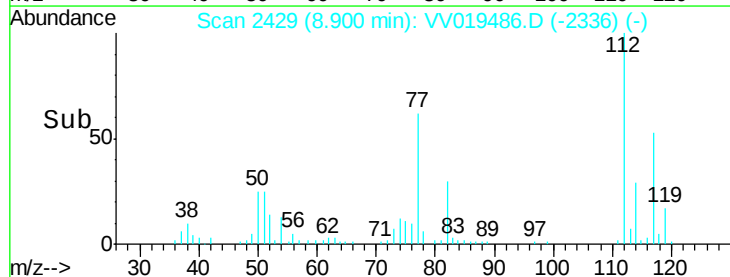
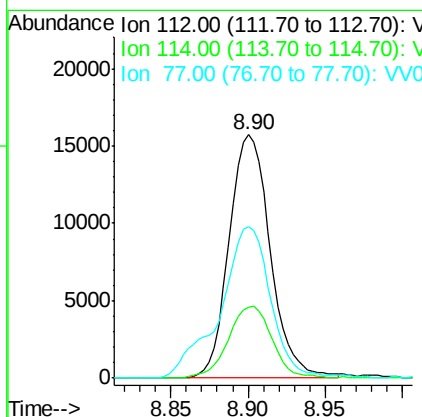
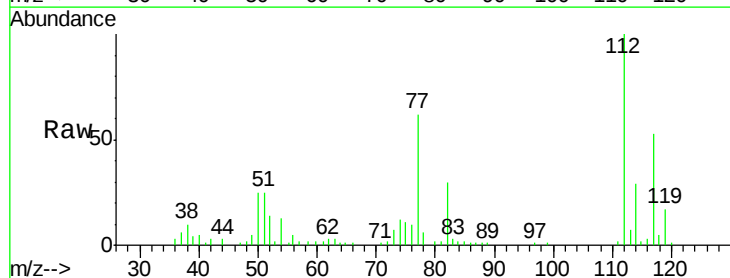
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

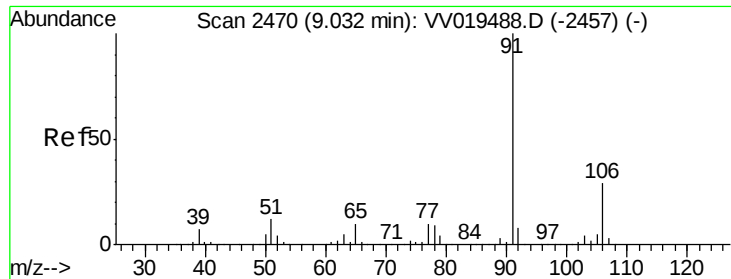
Tgt Ion:107 Resp: 11157
 Ion Ratio Lower Upper
 107 100
 109 87.7 65.1 120.9
 188 0.0 2.6 4.0#



#51
 Chlorobenzene
 Concen: 4.371 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

Tgt Ion:112 Resp: 29141
 Ion Ratio Lower Upper
 112 100
 114 29.3 22.4 41.6
 77 62.1 51.6 77.4





#52

Ethylbenzene

Concen: 3.921 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

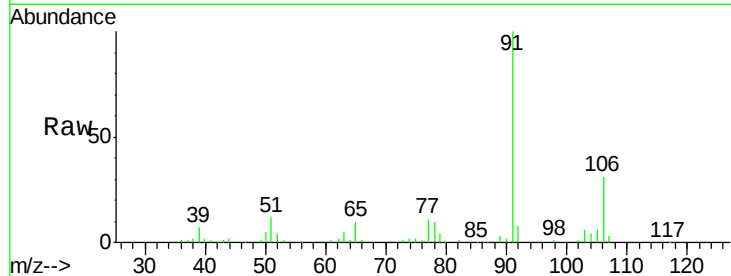
VSTD00565

Tgt Ion: 91 Resp: 42708

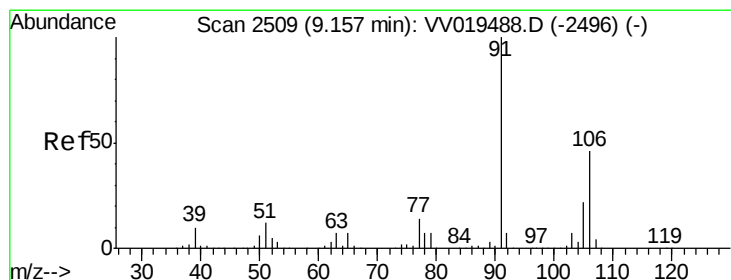
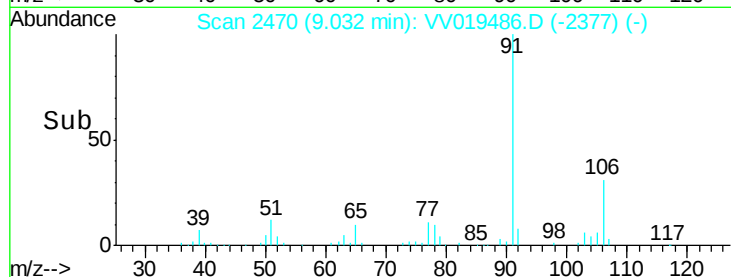
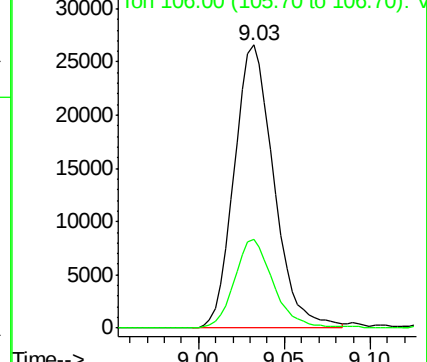
Ion Ratio Lower Upper

91 100

106 31.3 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VV019488.D (-2457) (-)



#53

m,p-Xylene

Concen: 3.770 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019486.D

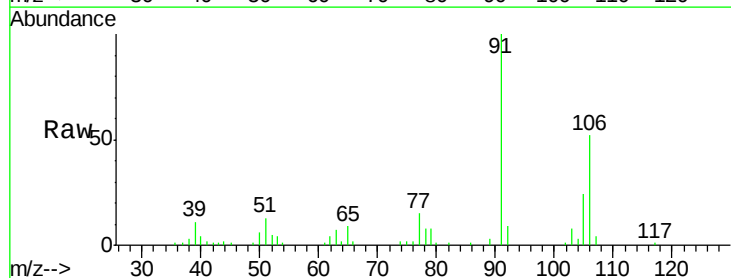
Acq: 07 Dec 2020 12:04

Tgt Ion: 106 Resp: 15047

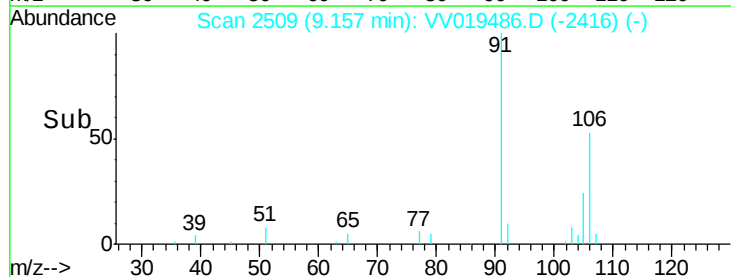
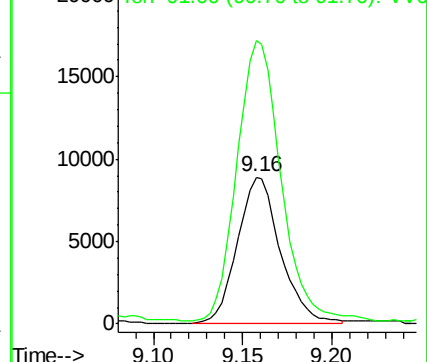
Ion Ratio Lower Upper

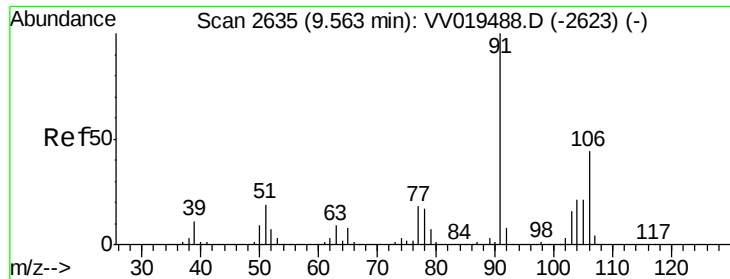
106 100

91 193.0 151.7 281.7



Abundance Ion 106.00 (105.70 to 106.70): VV019488.D (-2496) (-)





#54

o-xylene

Concen: 3.575 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

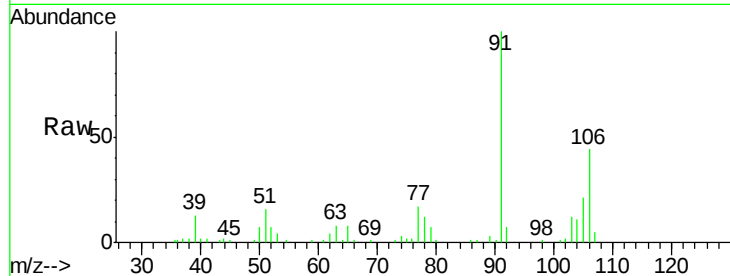
VSTD00565

Tgt Ion:106 Resp: 13889

Ion Ratio Lower Upper

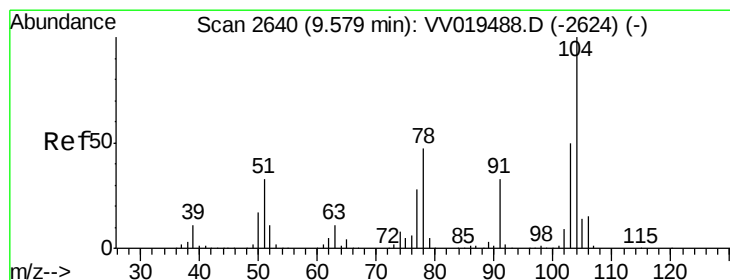
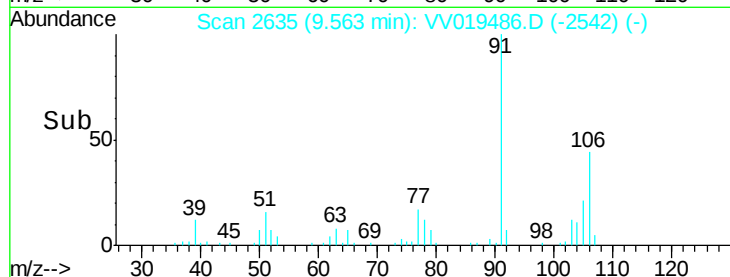
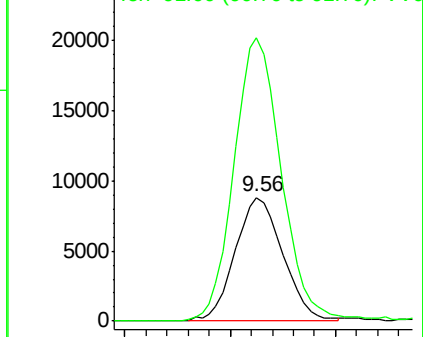
106 100

91 229.3 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 3.444 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV019486.D

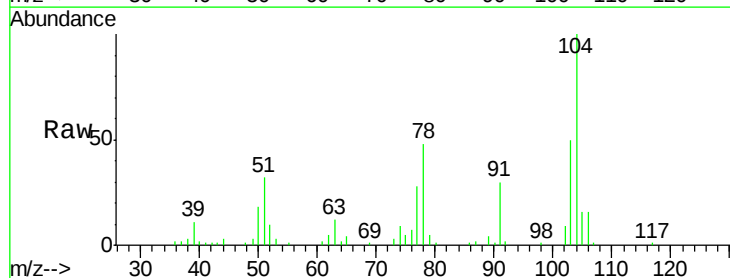
Acq: 07 Dec 2020 12:04

Tgt Ion:104 Resp: 24004

Ion Ratio Lower Upper

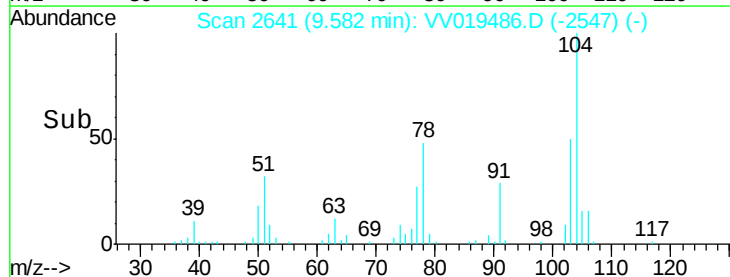
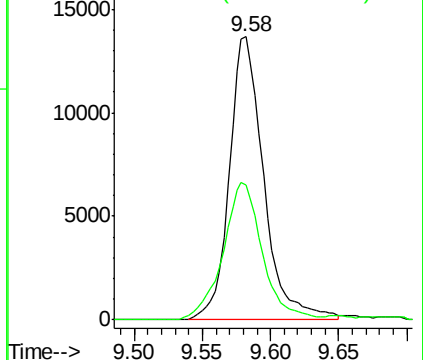
104 100

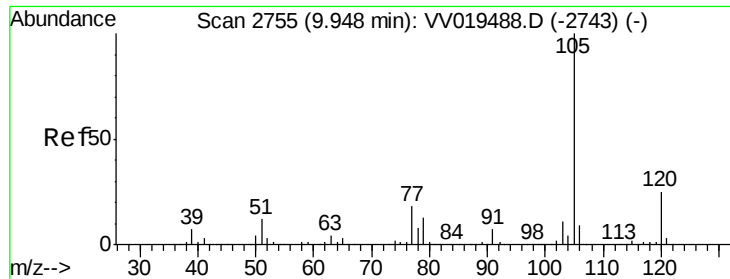
78 47.7 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 3.618 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

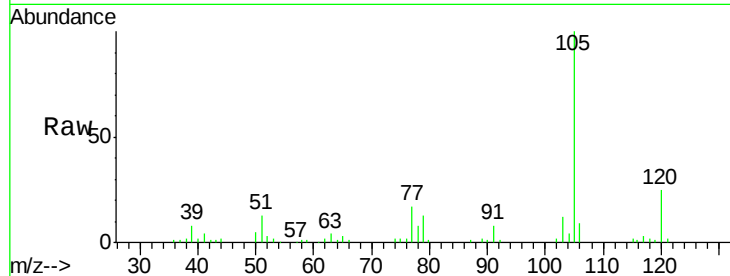
Tgt Ion:105 Resp: 37175

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

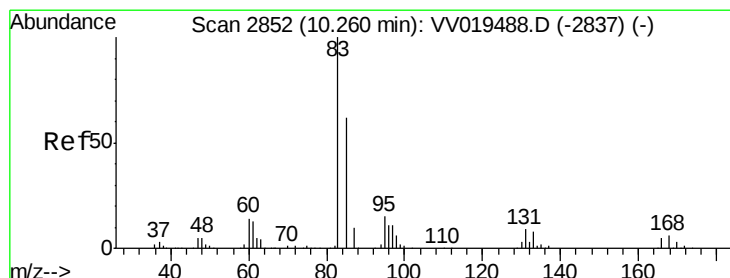
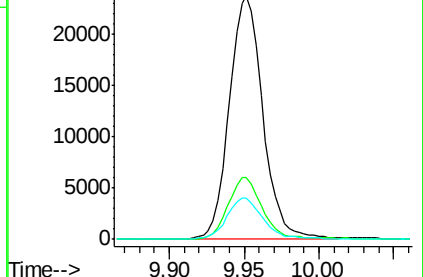
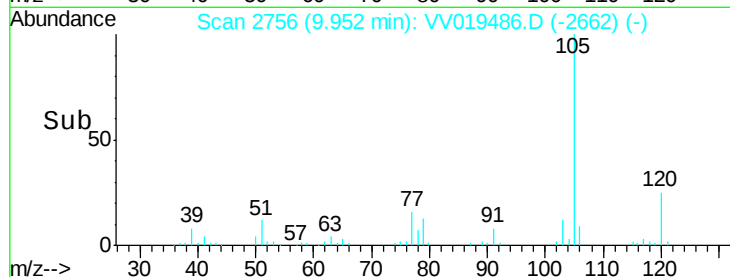
77 18.1 14.1 21.1



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: 3.903 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

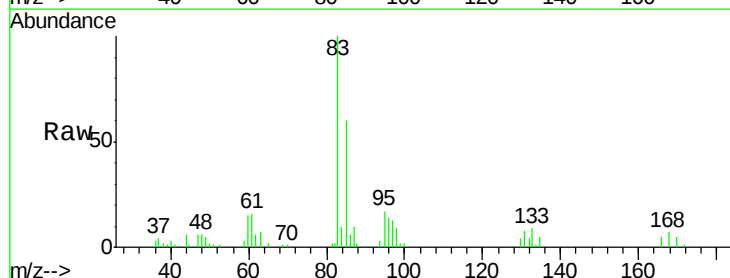
Tgt Ion: 83 Resp: 15256

Ion Ratio Lower Upper

83 100

85 60.0 43.3 80.3

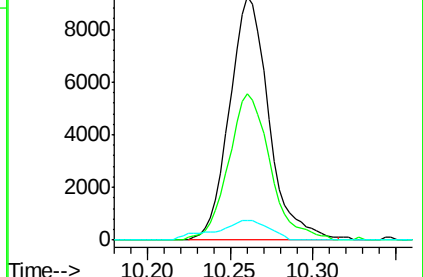
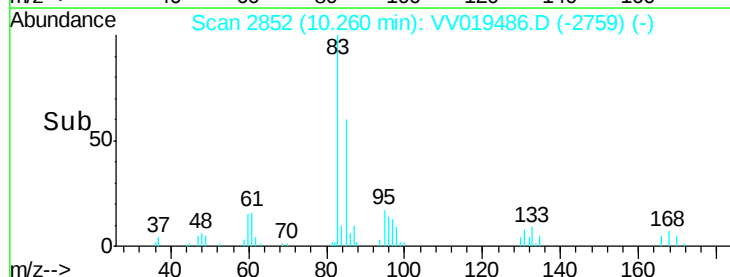
131 8.3 7.0 10.4

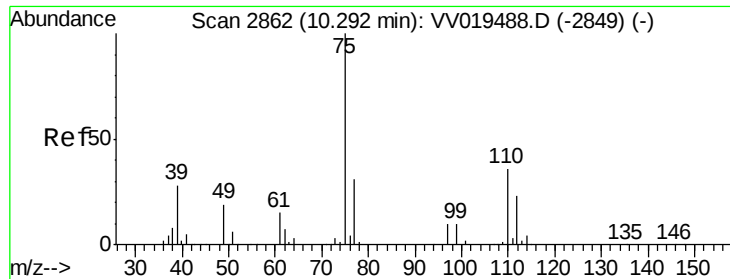


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.419 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

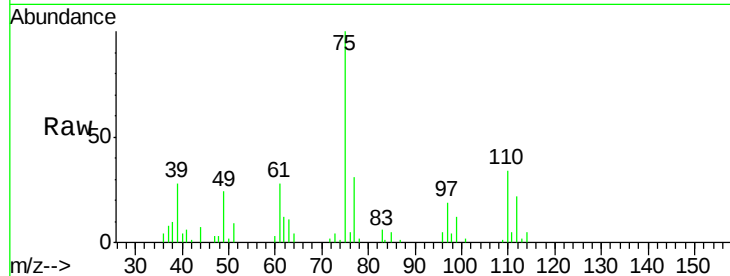
VSTD00565

Tgt Ion: 75 Resp: 15791

Ion Ratio Lower Upper

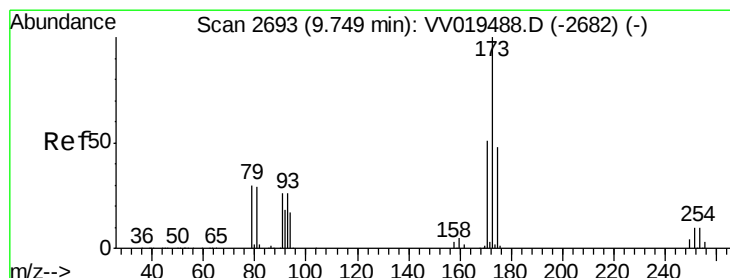
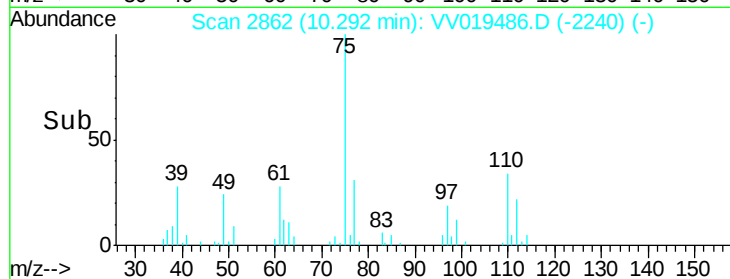
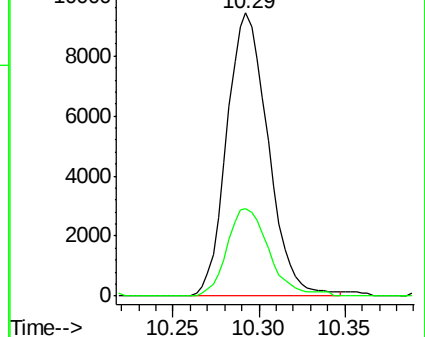
75 100

77 30.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV019488.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV019488.D (-2849) (-)



#61

Bromoform

Concen: 4.214 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

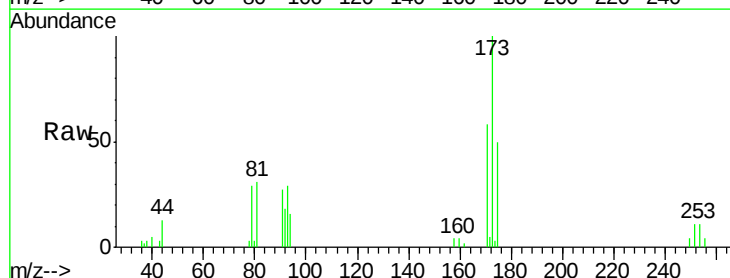
Tgt Ion: 173 Resp: 7488

Ion Ratio Lower Upper

173 100

175 48.5 37.8 56.6

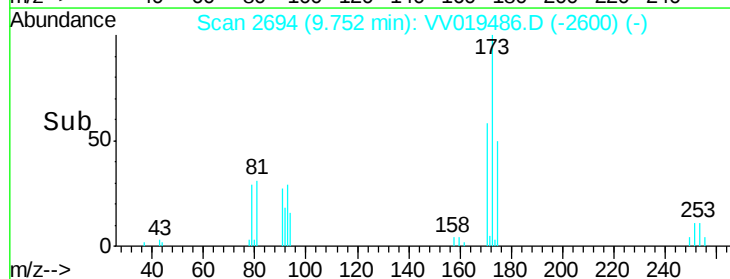
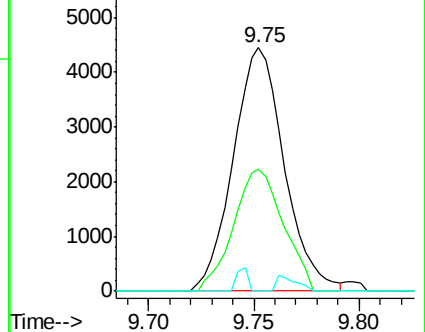
254 2.0 7.4 11.2#

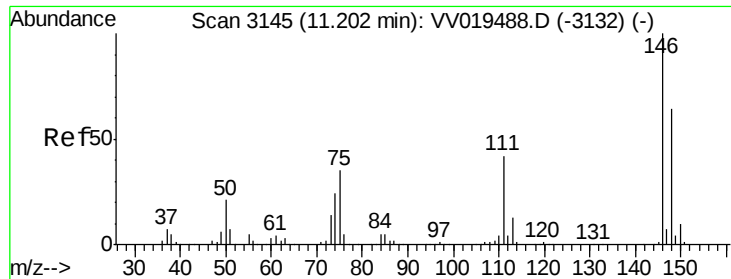


Abundance Ion 173.00 (172.70 to 173.70): VV019488.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019488.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019488.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 4.516 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

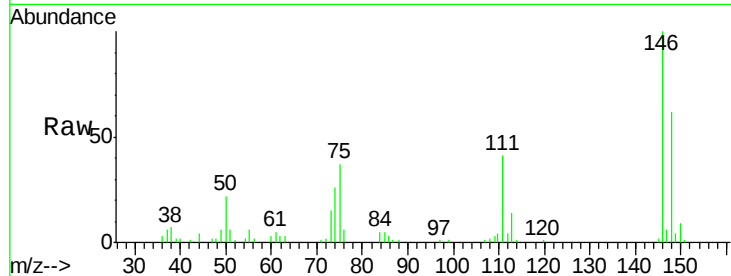
Tgt Ion:146 Resp: 20430

Ion Ratio Lower Upper

146 100

111 41.4 29.6 55.0

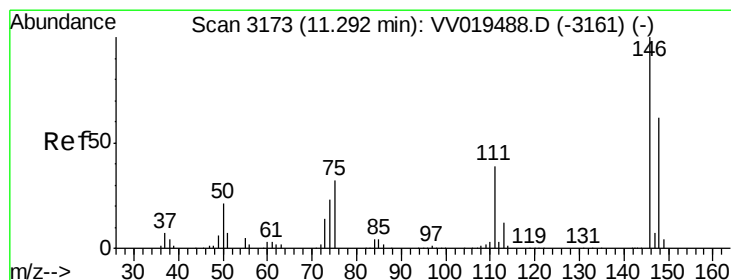
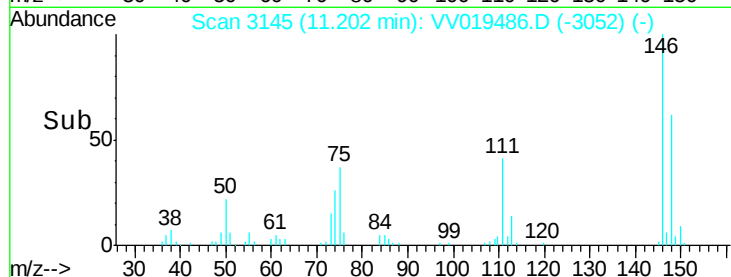
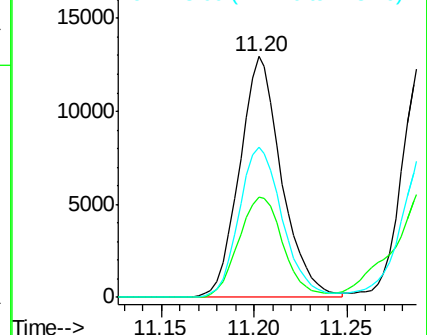
148 62.5 44.6 82.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.973 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

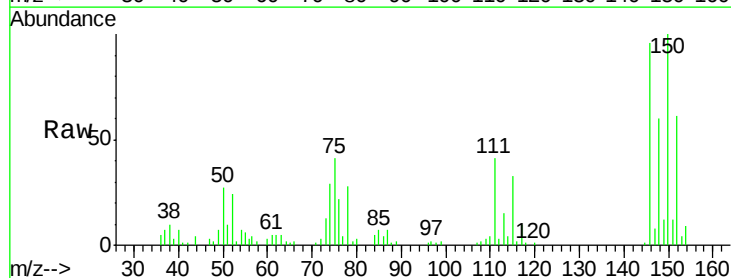
Tgt Ion:146 Resp: 23620

Ion Ratio Lower Upper

146 100

111 42.5 27.6 51.2

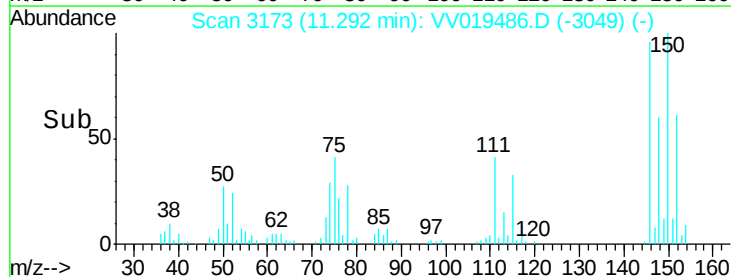
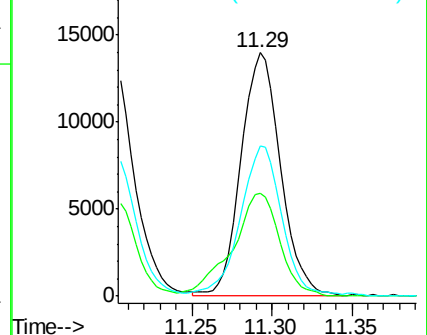
148 61.9 43.7 81.1

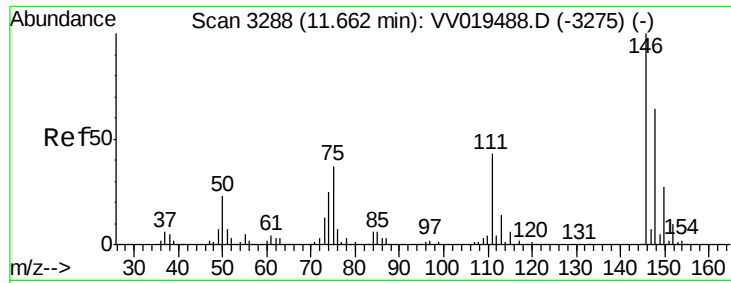


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

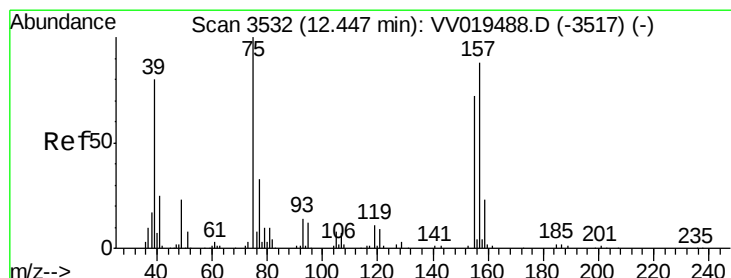
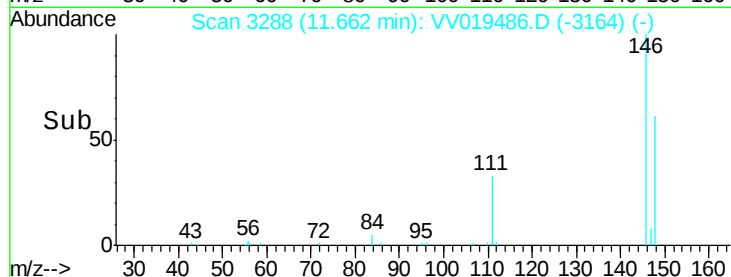
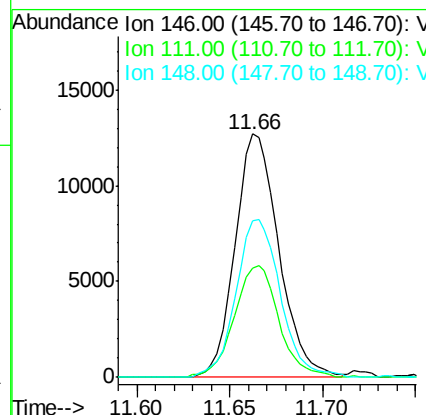
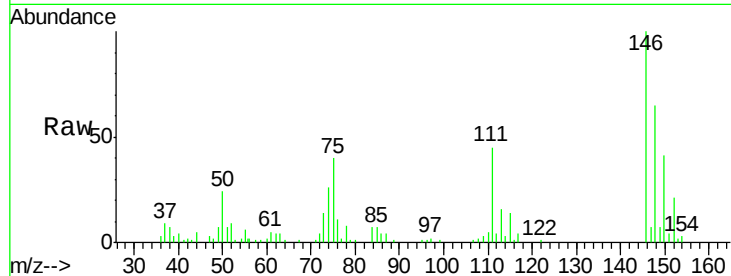




#65
 1,2-Dichlorobenzene
 Concen: 4.467 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

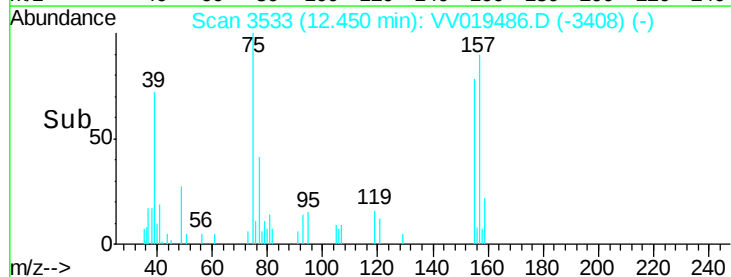
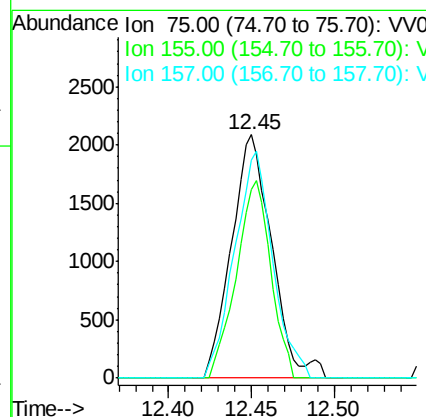
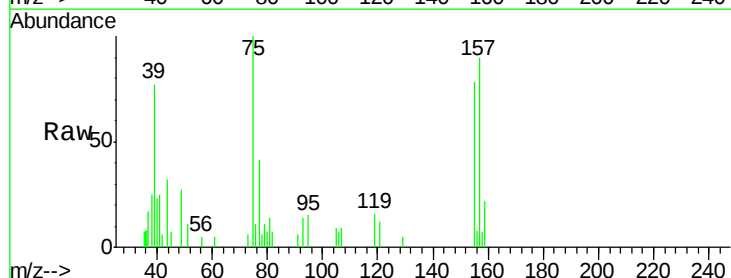
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

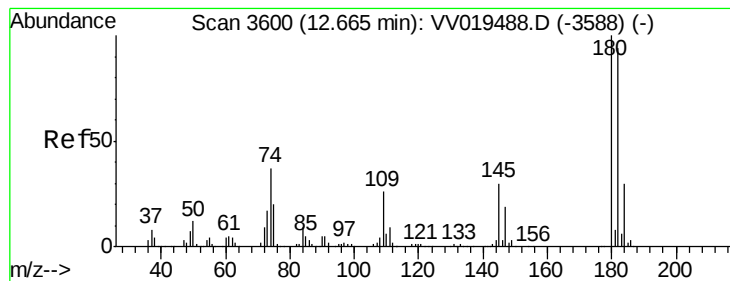
Tgt Ion: 146 Resp: 20793
 Ion Ratio Lower Upper
 146 100
 111 45.1 34.7 52.1
 148 64.5 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.290 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV019486.D
 Acq: 07 Dec 2020 12:04

Tgt Ion: 75 Resp: 3542
 Ion Ratio Lower Upper
 75 100
 155 77.7 57.9 86.9
 157 89.8 70.6 106.0





#67

1,3,5-Trichlorobenzene

Concen: 4.655 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

Tgt Ion:180 Resp: 15443

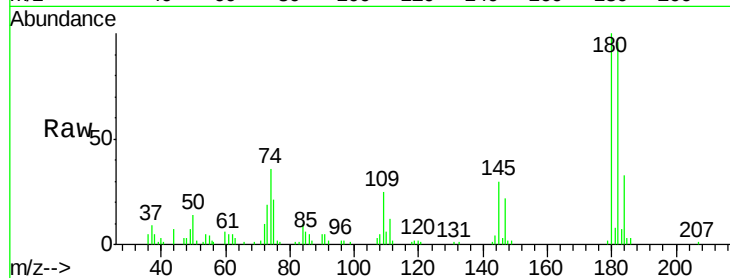
Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

184 30.3 24.3 36.5

145 29.5 24.2 36.4

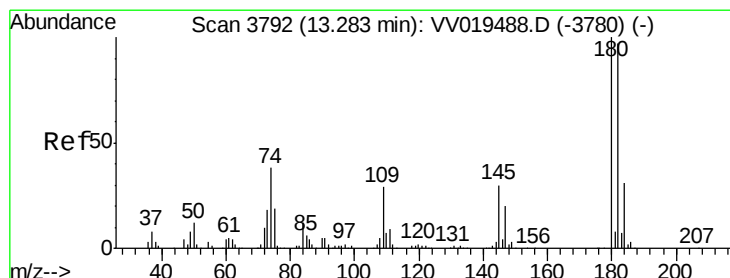
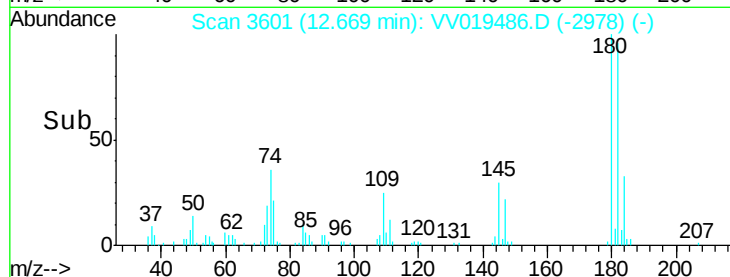
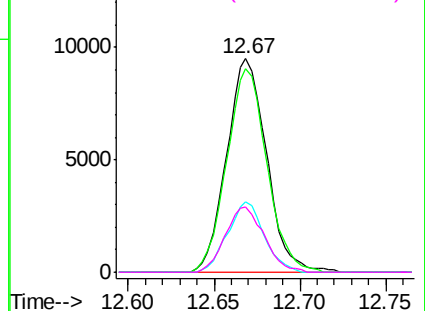


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 3.977 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

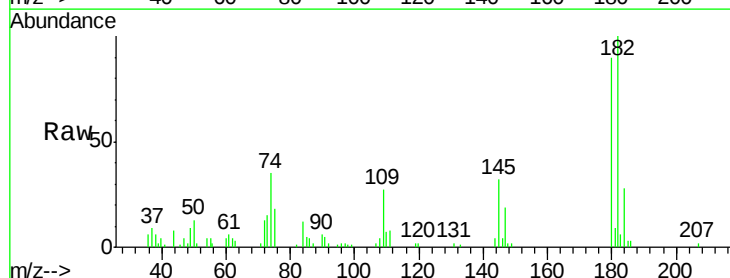
Tgt Ion:180 Resp: 11649

Ion Ratio Lower Upper

180 100

182 100.6 76.5 114.7

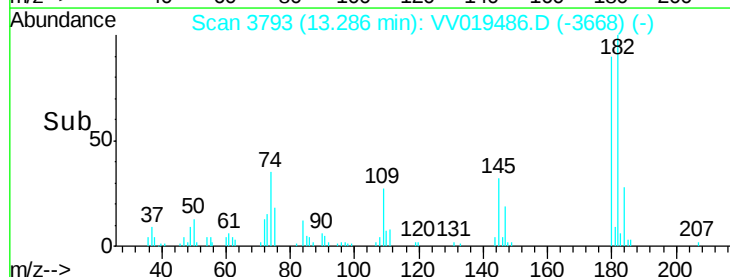
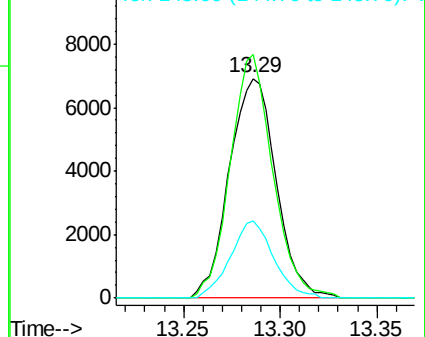
145 32.5 24.2 36.4

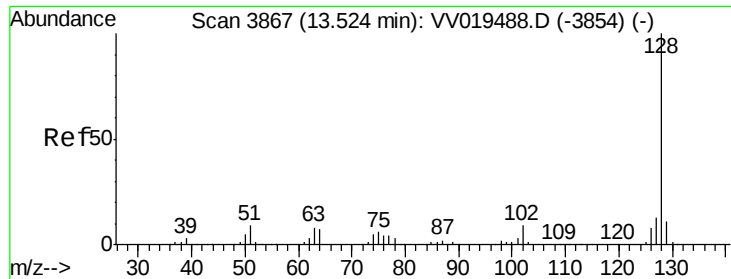


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 3.555 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

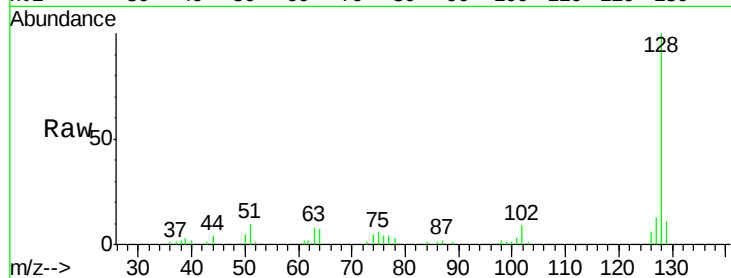
Tgt Ion:128 Resp: 26497

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

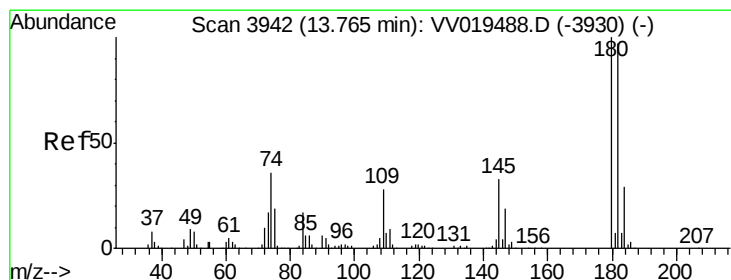
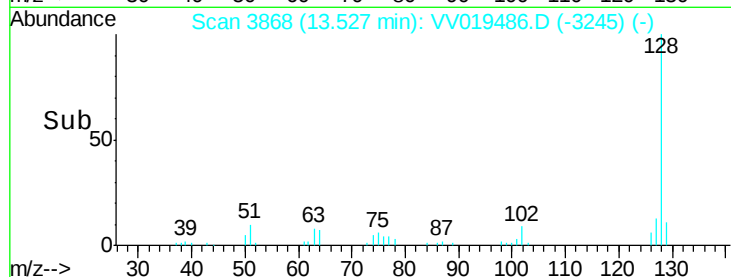
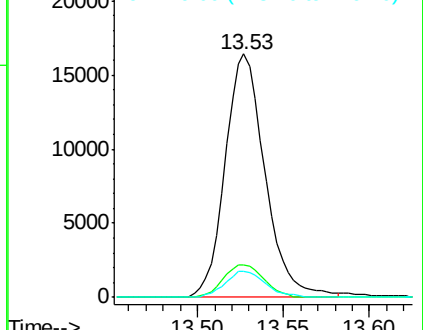
129 10.9 8.6 12.8



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: 4.138 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019486.D

Acq: 07 Dec 2020 12:04

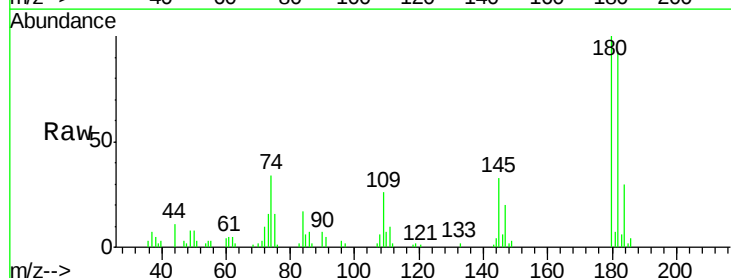
Tgt Ion:180 Resp: 12635

Ion Ratio Lower Upper

180 100

182 89.0 77.0 115.4

145 30.1 26.2 39.4



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

