

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\
 Data File : VV019491.D
 Acq On : 07 Dec 2020 14:40
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

Quant Time: Dec 08 02:58:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 07 16:45:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	342288	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331770	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	165683	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118231	55.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.96%
7) Chloroethane-d5	1.57	69	111301	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.96%
11) 1,1-Dichloroethene-d2	2.12	63	248934	50.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.96%
21) 2-Butanone-d5	3.90	46	164872	101.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.20%
24) Chloroform-d	4.37	84	252736	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
26) 1,2-Dichloroethane-d4	5.05	65	168711	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
32) Benzene-d6	5.07	84	481201	51.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.09	67	160486	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.68%
41) Toluene-d8	7.33	98	427953	53.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.96%
43) trans-1,3-Dichloropropene-	7.64	79	78611	52.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.36%
47) 2-Hexanone-d5	8.10	63	101862	110.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.01%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	196054	52.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.66%
64) 1,2-Dichlorobenzene-d4	11.64	152	152696	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	77553	51.543	ug/L	97
3) Chloromethane	1.25	50	86399	51.968	ug/L	97
5) Vinyl chloride	1.32	62	110948	54.835	ug/L	100
6) Bromomethane	1.53	94	105697	58.585	ug/L	100
8) Chloroethane	1.59	64	79708	50.921	ug/L	98
9) Trichlorofluoromethane	1.76	101	169208	51.088	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99254	50.998	ug/L	99
12) 1,1-Dichloroethene	2.13	96	91818	50.284	ug/L	95
13) Acetone	2.18	43	152734	78.720	ug/L	99
14) Carbon disulfide	2.31	76	250434	50.234	ug/L	99
15) Methyl Acetate	2.44	43	158357	51.030	ug/L	100
16) Methylene chloride	2.52	84	125478	49.394	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	107399	51.698	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	400774	52.228	ug/L	99
19) 1,1-Dichloroethane	3.21	63	251755	51.598	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	124384	51.434	ug/L	93
22) 2-Butanone	3.98	43	232704	98.296	ug/L	100

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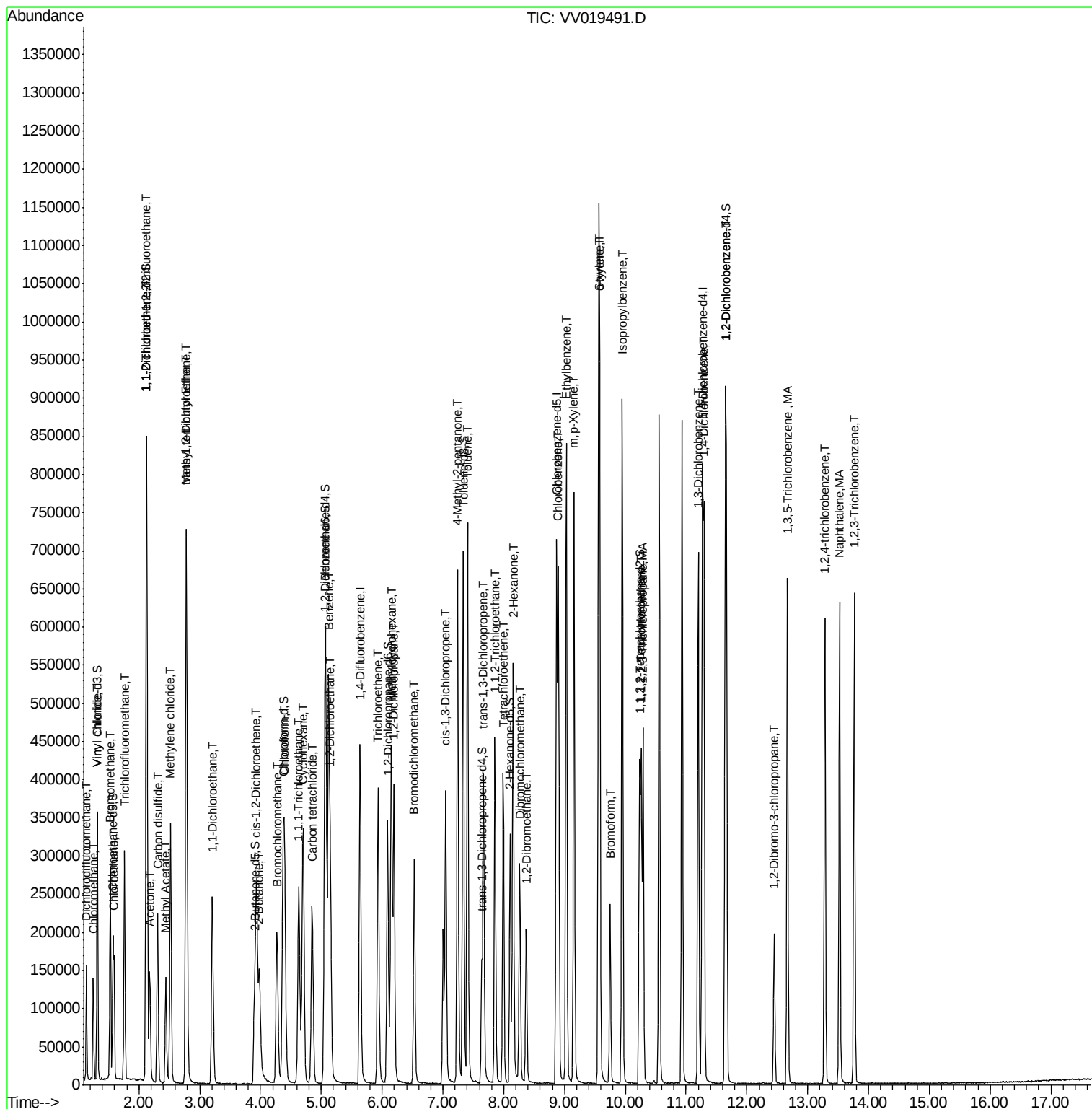
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60979	50.766	uq/L	96
25) Chloroform	4.40	83	246145	51.035	uq/L	99
27) 1,2-Dichloroethane	5.15	62	206046	52.373	uq/L	99
29) Cyclohexane	4.70	56	178435	52.529	uq/L	99
30) 1,1,1-Trichloroethane	4.63	97	202003	50.770	uq/L	99
31) Carbon tetrachloride	4.85	117	166376	50.966	uq/L	99
33) Benzene	5.12	78	494744	52.508	uq/L	100
34) Trichloroethene	5.93	95	130782	49.565	uq/L	98
35) Methylcyclohexane	6.15	83	165406	52.844	uq/L	99
37) 1,2-Dichloropropane	6.19	63	147873	52.719	uq/L	100
38) Bromodichloromethane	6.53	83	188451	52.084	uq/L	96
39) cis-1,3-Dichloropropene	7.05	75	213535	54.205	uq/L	98
40) 4-Methyl-2-pentanone	7.24	43	453124	108.925	uq/L	100
42) Toluene	7.41	91	505740	53.409	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	217129	54.342	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	129568	51.560	uq/L	99
46) Tetrachloroethene	7.99	164	81150	51.054	uq/L	99
48) 2-Hexanone	8.15	43	351054	104.966	uq/L	100
49) Dibromochloromethane	8.26	129	136584	52.463	uq/L	97
50) 1,2-Dibromoethane	8.37	107	128146	51.692	uq/L	100
51) Chlorobenzene	8.90	112	314227	50.947	uq/L	100
52) Ethylbenzene	9.03	91	551003	53.494	uq/L	99
53) m,p-Xylene	9.15	106	195395	53.440	uq/L	97
54) o-xylene	9.56	106	192084	54.167	uq/L	98
55) Styrene	9.58	104	355822	56.000	uq/L	99
56) Isopropylbenzene	9.95	105	520173	54.046	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	200780	52.593	uq/L	97
59) 1,2,3-Trichloropropane	10.29	75	178754	51.428	uq/L	100
61) Bromoform	9.75	173	93984	50.695	uq/L	97
62) 1,3-Dichlorobenzene	11.20	146	249012	52.520	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	251304	50.496	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	250990	51.484	uq/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	47954	49.816	uq/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	178975	50.239	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	165896	52.997	uq/L	98
69) Naphthalene	13.52	128	440139	53.527	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	170759	52.819	uq/L	99

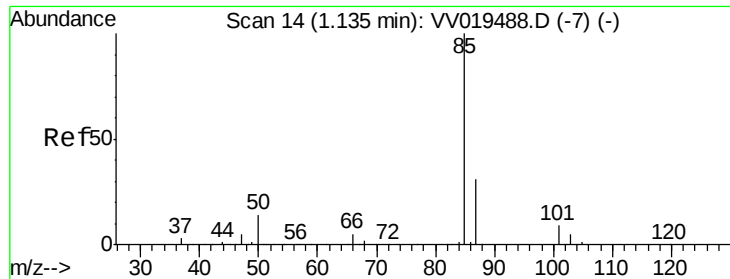
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#2

Dichlorodifluoromethane

Concen: 51.543 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

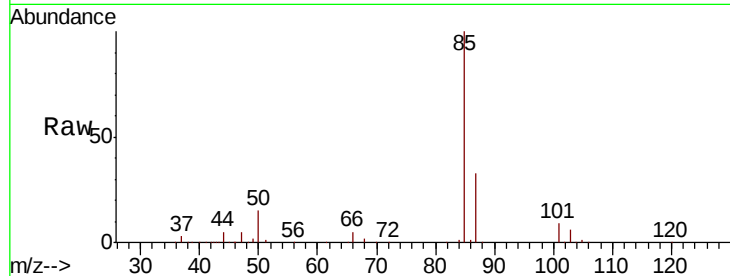
VICV64

Tot Ion: 85 Resp: 77553

Ion Ratio Lower Upper

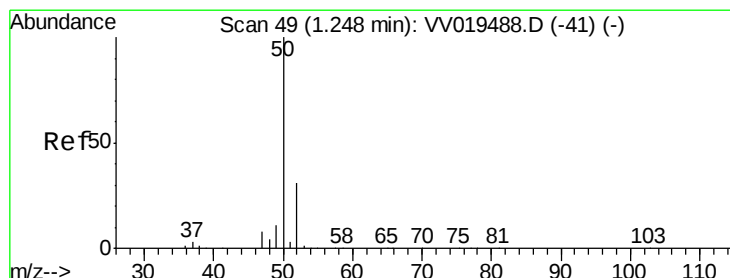
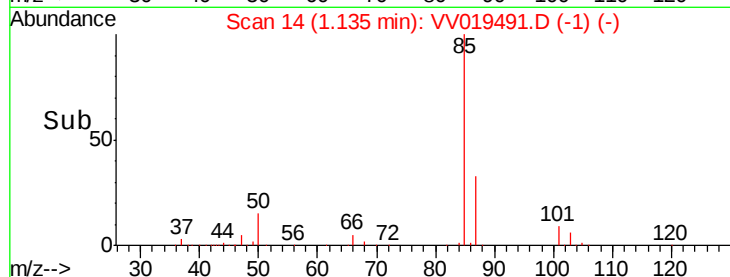
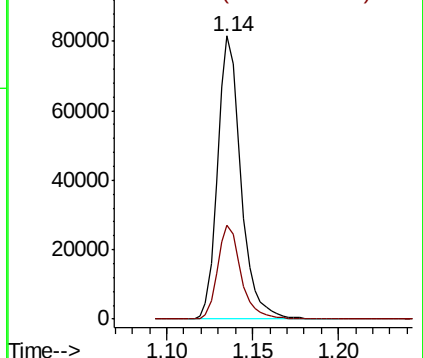
85 100

87 33.2 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: 51.968 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV019491.D

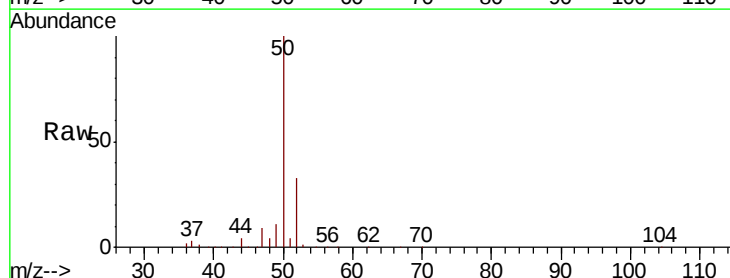
Acq: 07 Dec 2020 14:40

Tgt Ion: 50 Resp: 86399

Ion Ratio Lower Upper

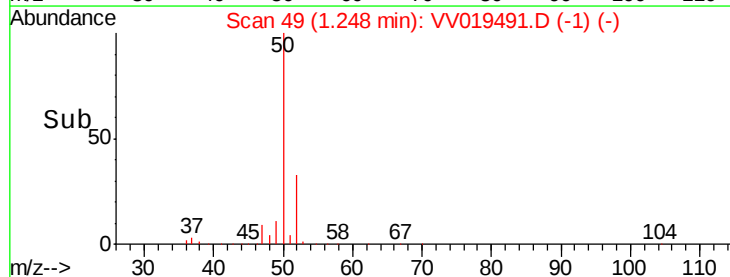
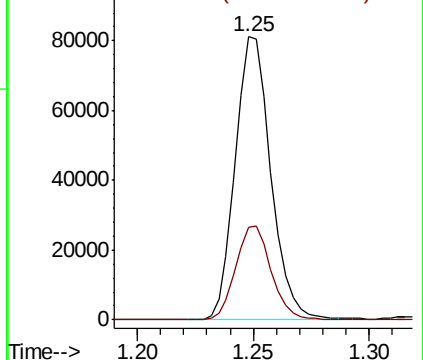
50 100

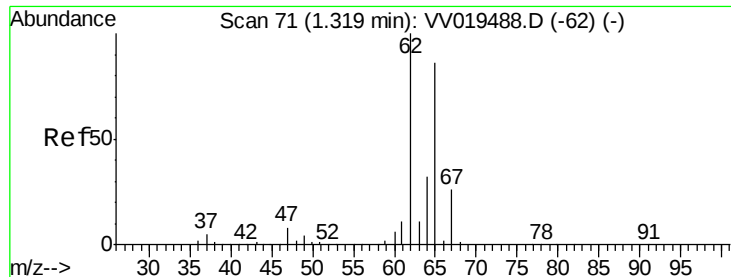
52 32.9 21.7 40.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 54.835 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

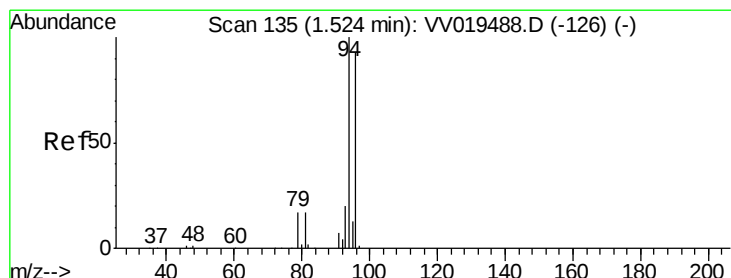
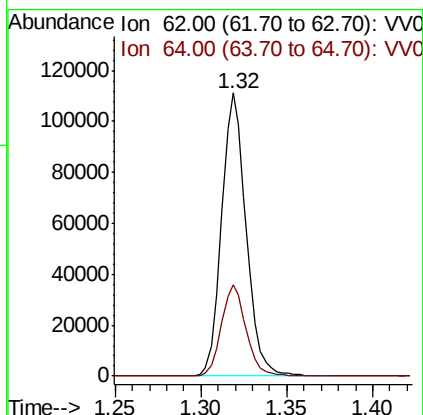
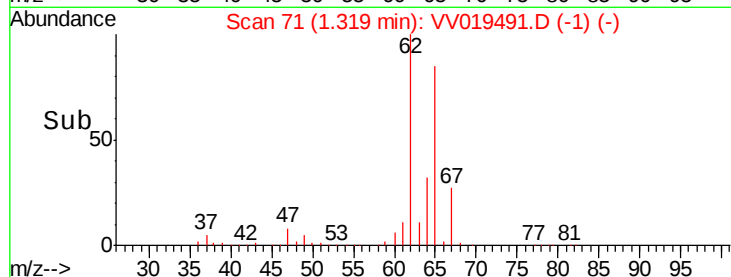
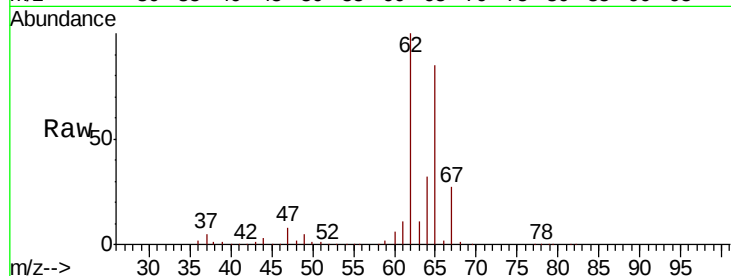
VICV64

Tot Ion: 62 Resp: 110948

Ion Ratio Lower Upper

62 100

64 32.3 22.6 42.0



#6

Bromomethane

Concen: 58.585 ug/L

RT: 1.53 min Scan# 136

Delta R.T. 0.00 min

Lab File: VV019491.D

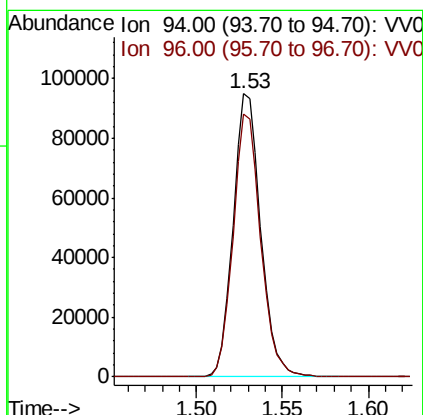
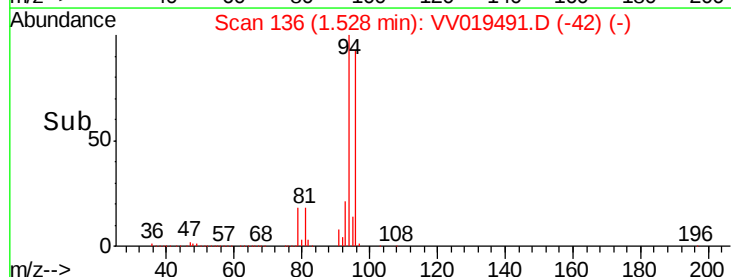
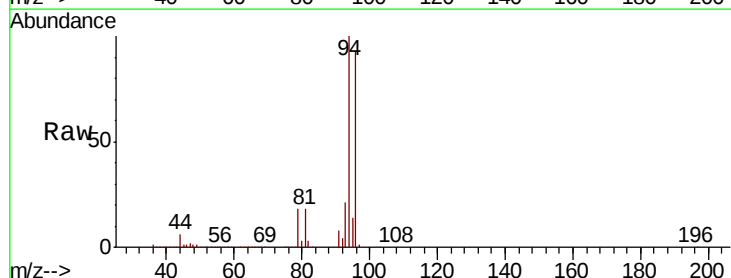
Acq: 07 Dec 2020 14:40

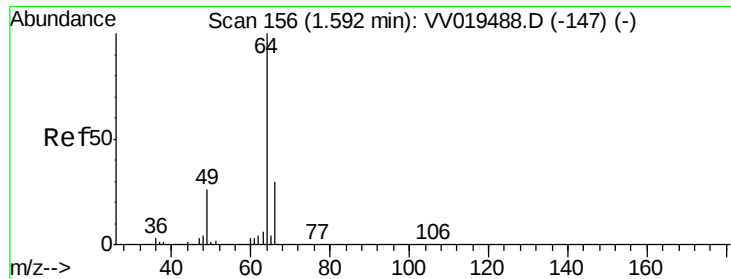
Tgt Ion: 94 Resp: 105697

Ion Ratio Lower Upper

94 100

96 92.9 65.3 121.3

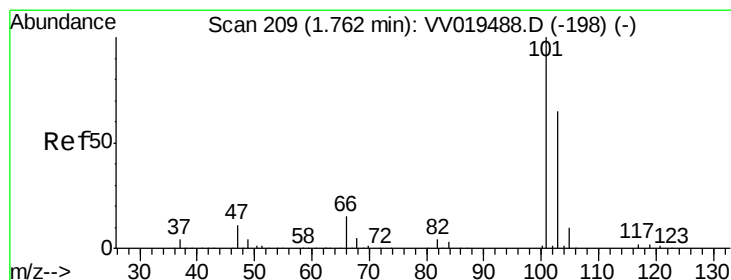
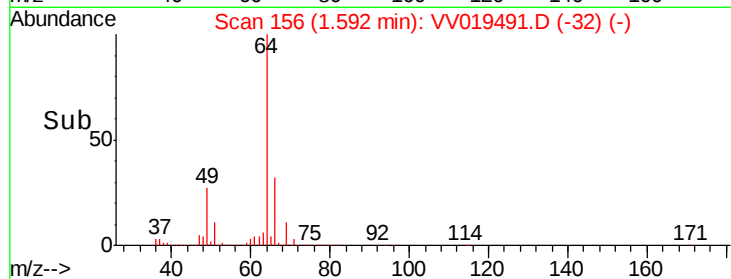
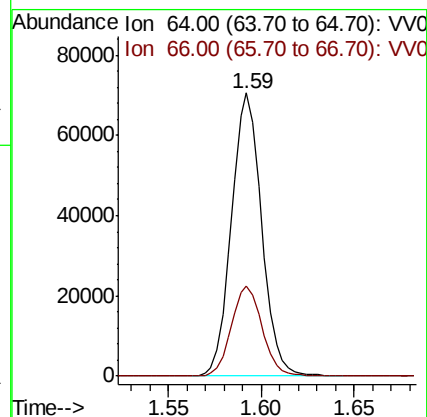
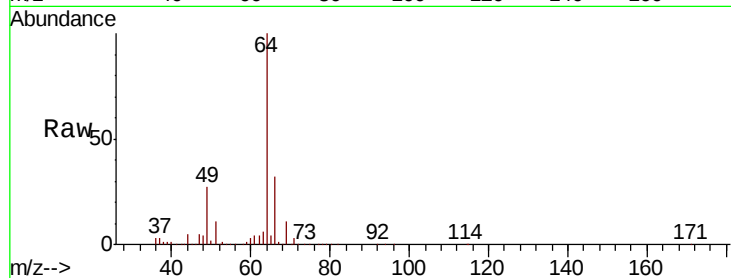




#8
Chloroethane
Concen: 50.921 ug/L
RT: 1.59 min Scan# 156
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

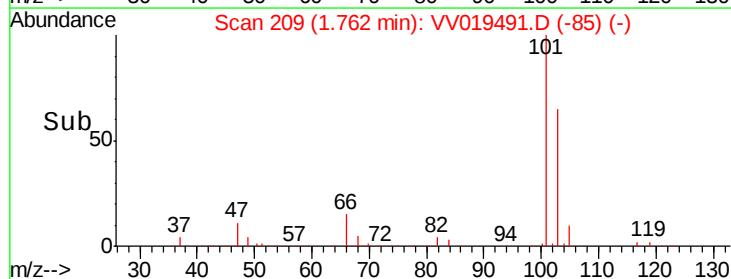
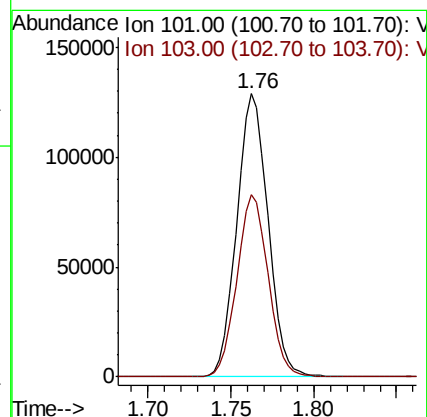
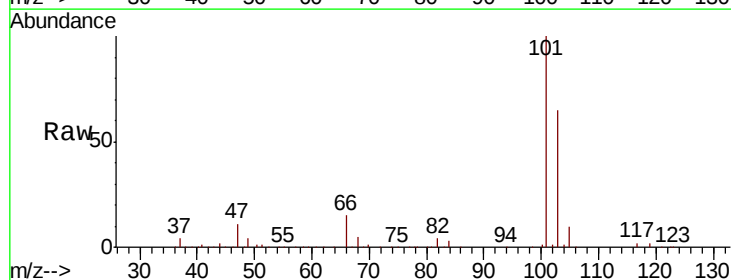
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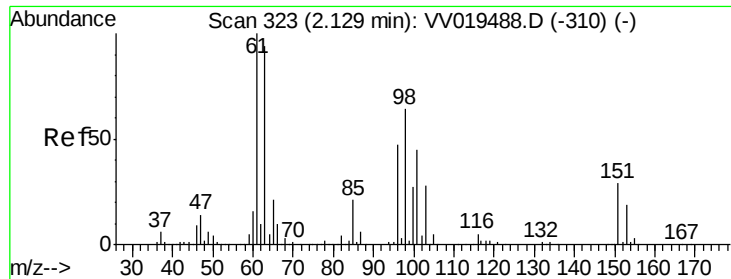
Tot Ion: 64 Resp: 79708
Ion Ratio Lower Upper
64 100
66 31.9 21.4 39.8



#9
Trichlorofluoromethane
Concen: 51.088 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 101 Resp: 169208
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 50.998 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

VICV64

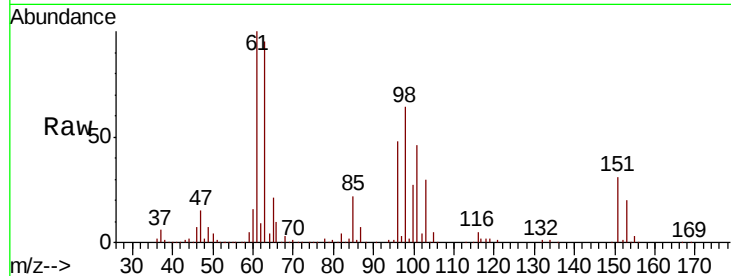
Tot Ion:101 Resp: 99254

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

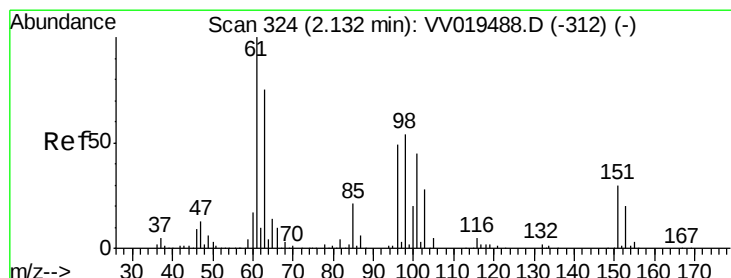
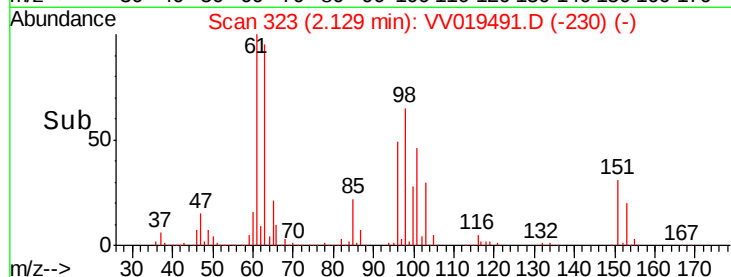
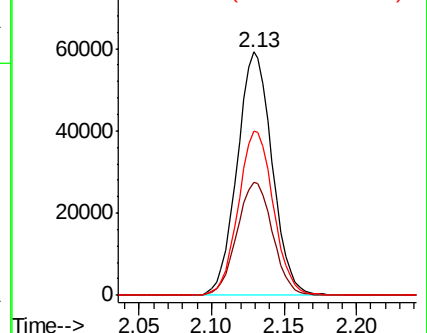
151 67.5 53.3 79.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.284 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

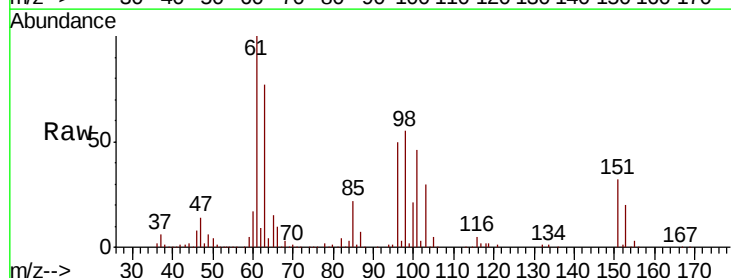
Tgt Ion: 96 Resp: 91818

Ion Ratio Lower Upper

96 100

61 198.4 144.8 268.8

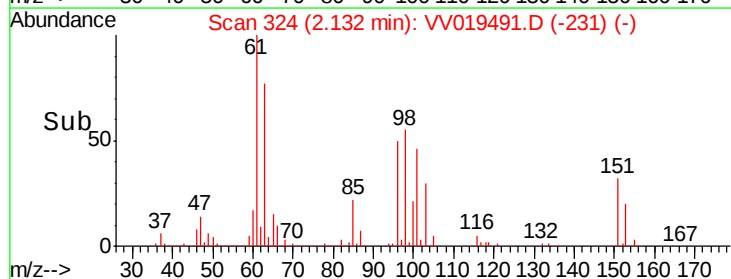
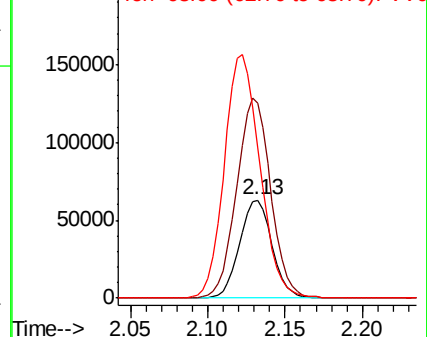
63 152.7 110.0 204.2

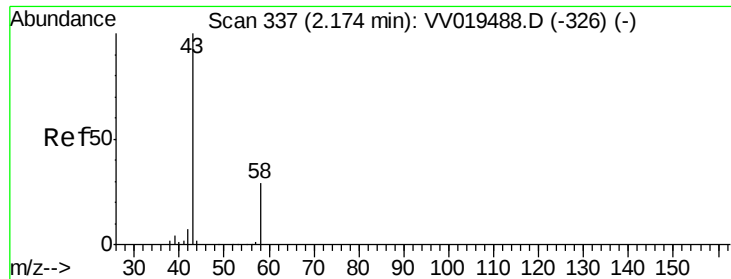


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 78.720 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

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ClientSampleId :

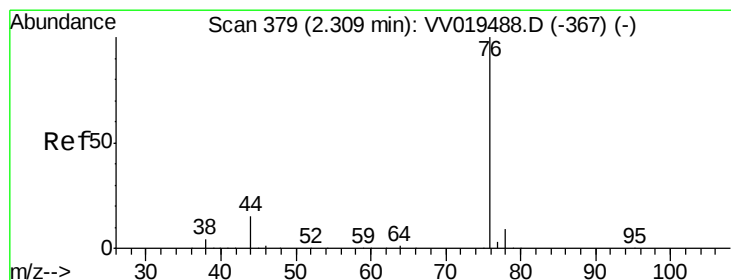
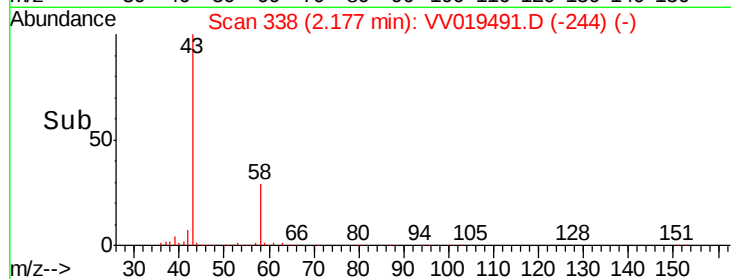
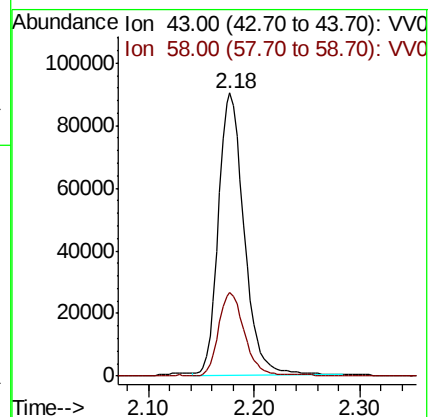
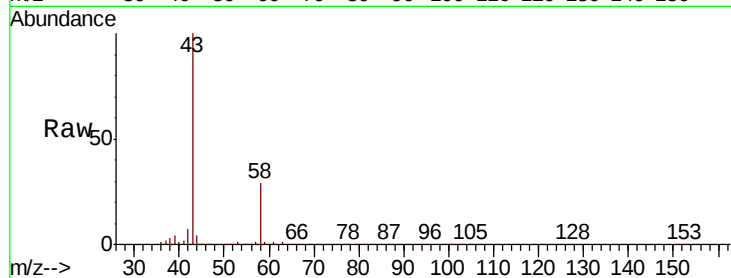
VICV64

Tot Ion: 43 Resp: 152734

Ion Ratio Lower Upper

43 100

58 29.4 0.0 58.0



#14

Carbon disulfide

Concen: 50.234 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019491.D

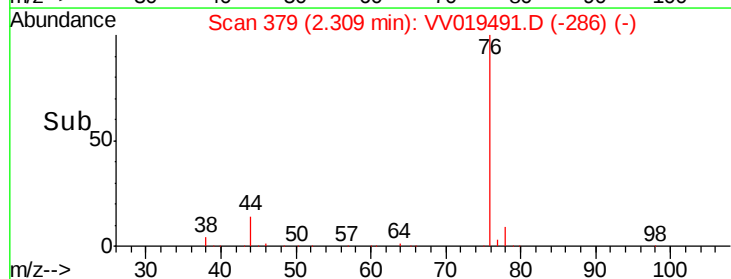
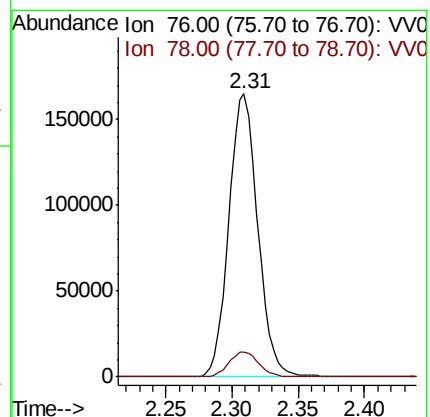
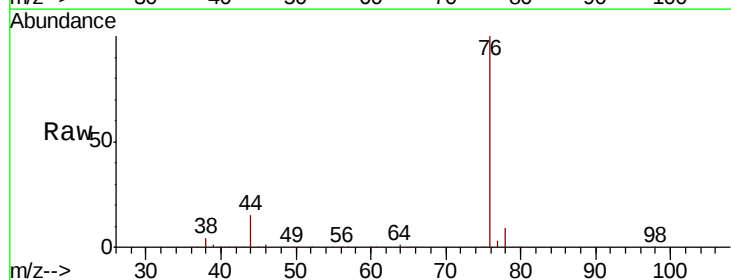
Acq: 07 Dec 2020 14:40

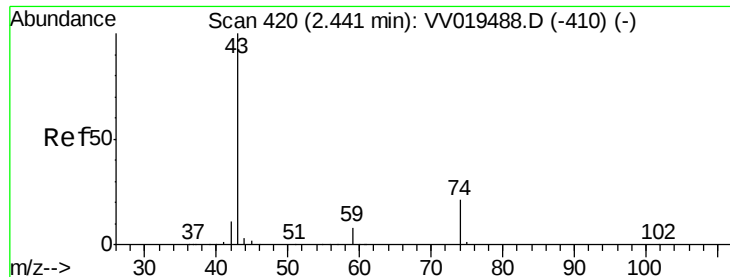
Tgt Ion: 76 Resp: 250434

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

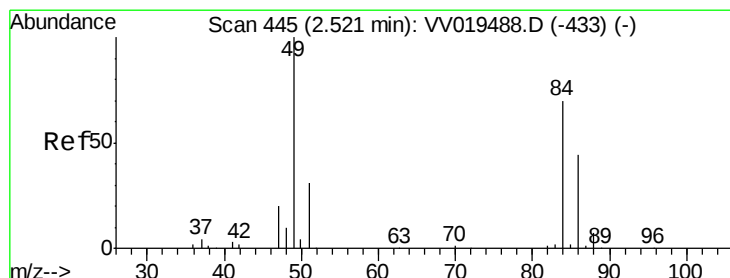
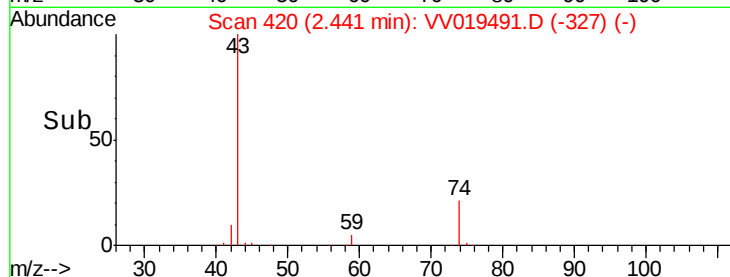
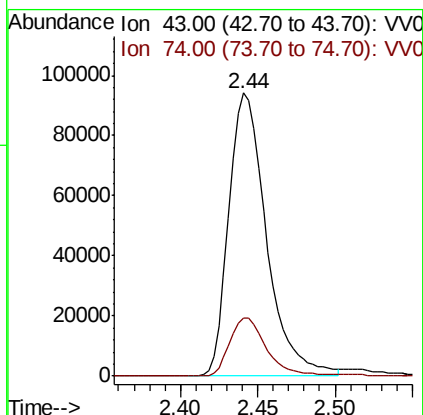
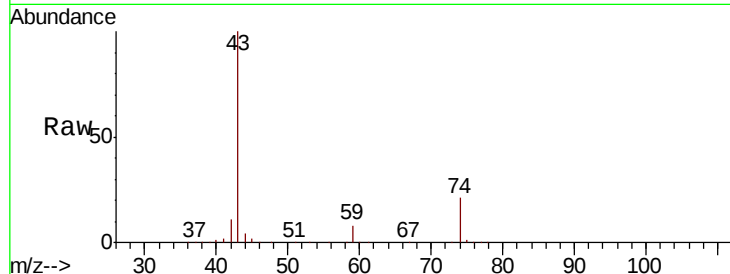




#15
Methvl Acetate
Concen: 51.030 ug/L
RT: 2.44 min Scan# 420
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

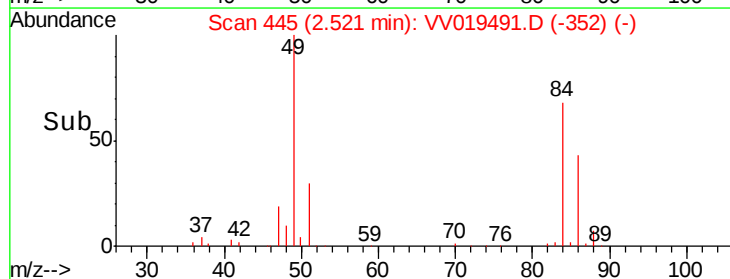
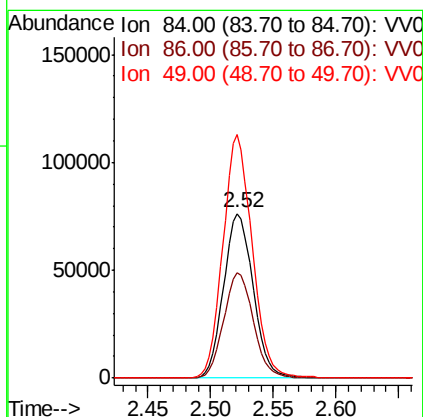
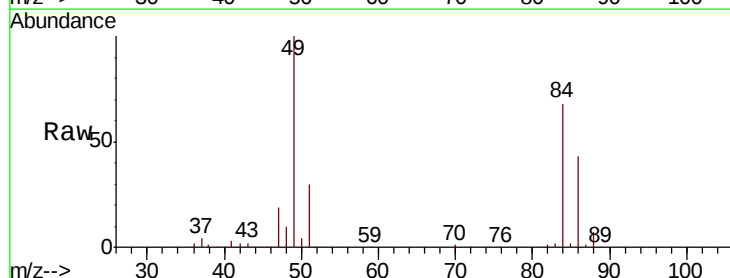
Instrument :
MSVOA_V
ClientSampled :
VICV64

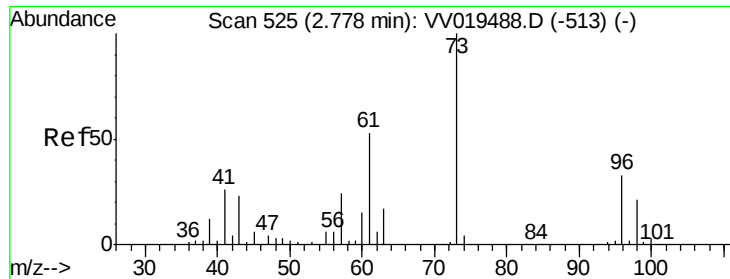
Tot Ion: 43 Resp: 158357
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.4



#16
Methylene chloride
Concen: 49.394 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 84 Resp: 125478
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 147.7 100.4 186.4

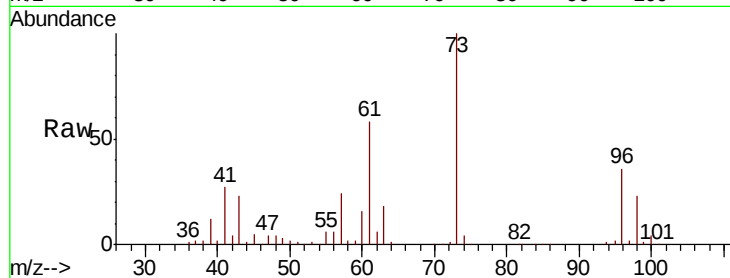




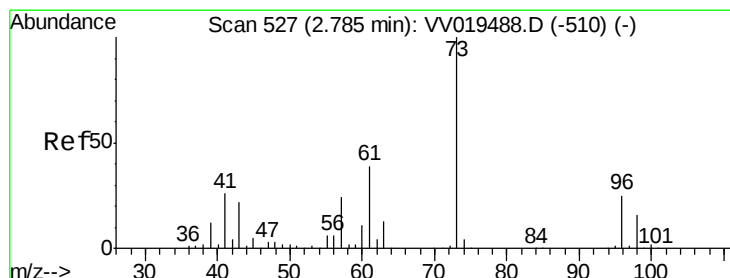
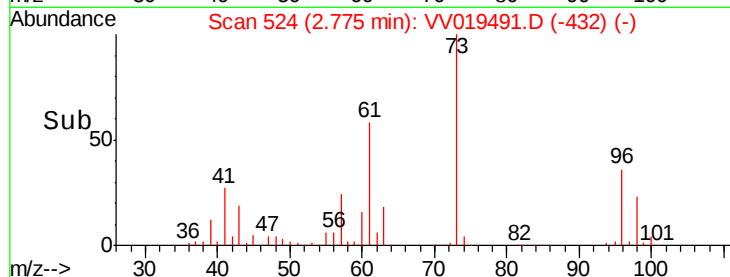
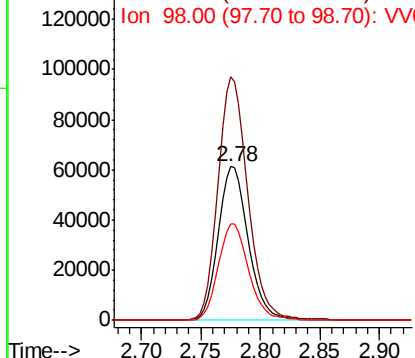
#17
trans-1,2-Dichloroethene
Concen: 51.698 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Instrument :
MSVOA_V
ClientSampleId :
VICV64

Tot Ion: 96 Resp: 107399
Ion Ratio Lower Upper
96 100
61 158.2 112.5 208.9
98 62.6 43.4 80.6

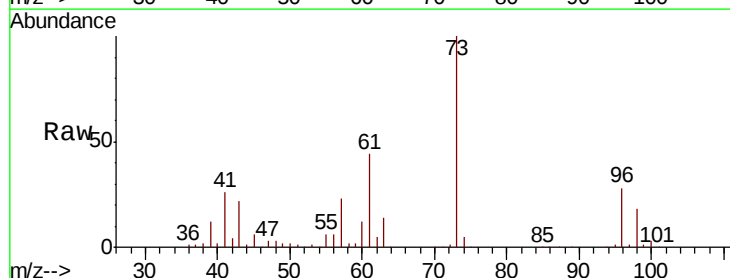


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

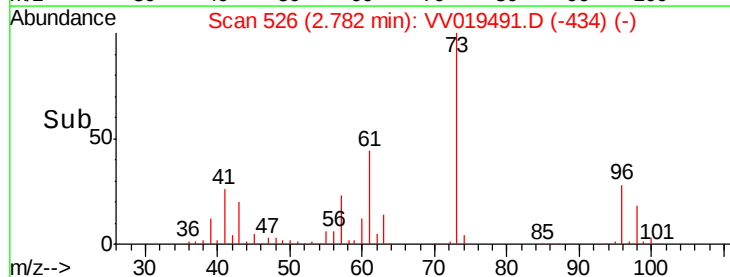
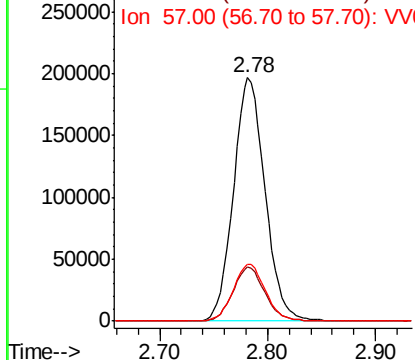


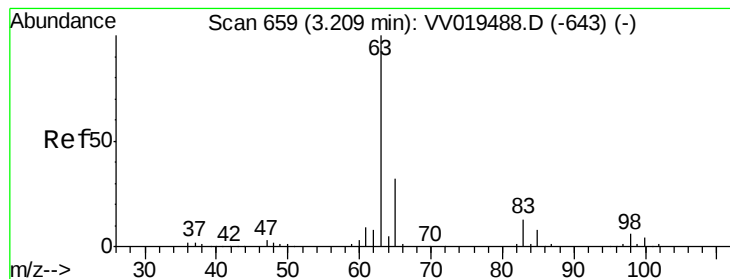
#18
Methyl tert-butyl Ether
Concen: 52.228 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 73 Resp: 400774
Ion Ratio Lower Upper
73 100
43 22.3 18.0 27.0
57 23.9 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: 51.598 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampled :

VICV64

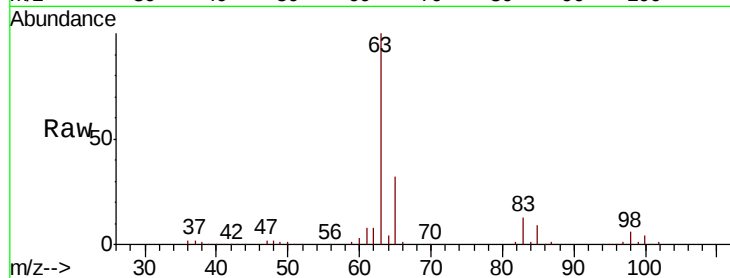
Tot Ion: 63 Resp: 251755

Ion Ratio Lower Upper

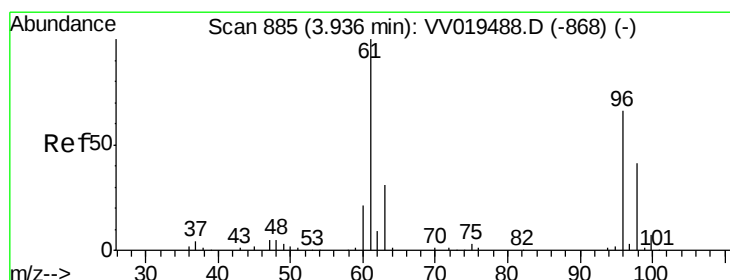
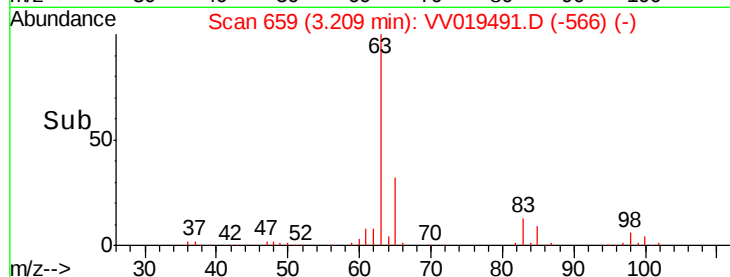
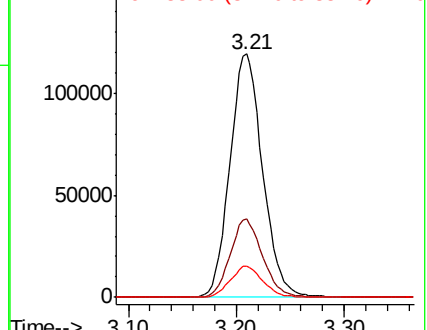
63 100

65 32.0 22.2 41.2

83 12.9 9.2 17.2



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



#20

cis-1,2-Dichloroethene

Concen: 51.434 ug/L

RT: 3.93 min Scan# 884

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

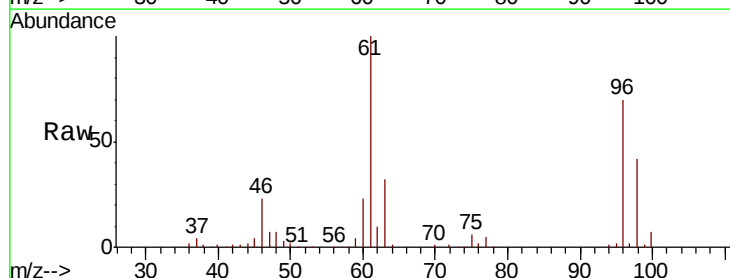
Tgt Ion: 96 Resp: 124384

Ion Ratio Lower Upper

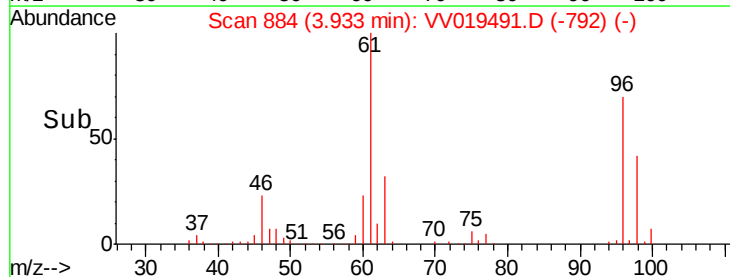
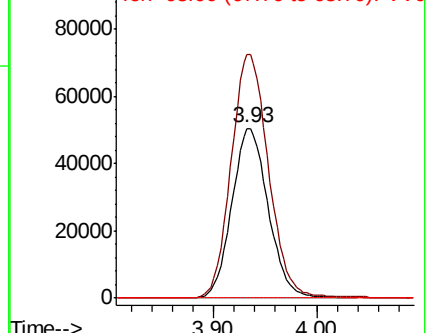
96 100

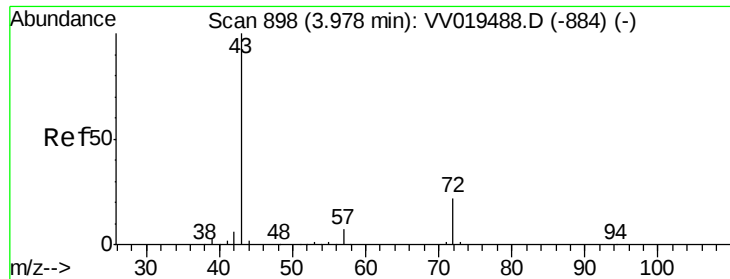
61 143.4 106.2 197.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 98.296 ug/L

RT: 3.98 min Scan# 898

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

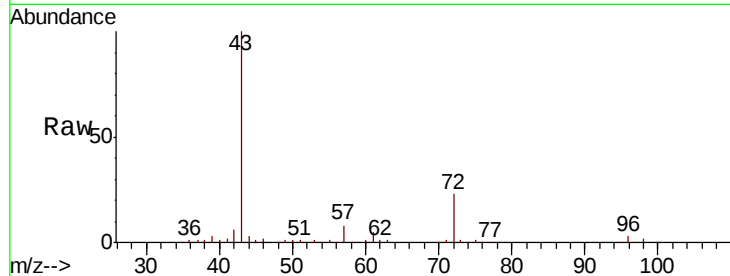
VICV64

Tot Ion: 43 Resp: 232704

Ion Ratio Lower Upper

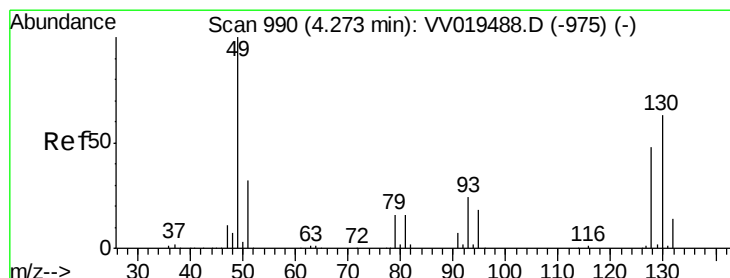
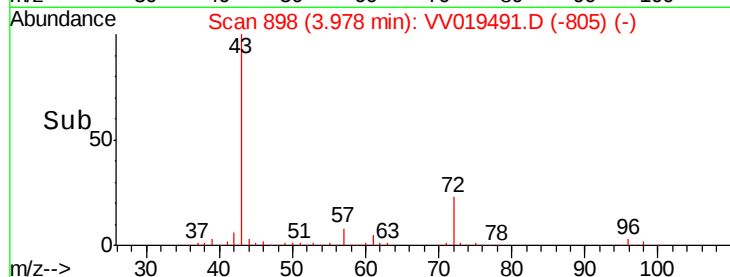
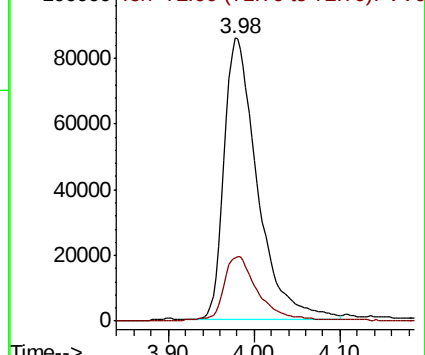
43 100

72 23.0 11.5 34.5



Abundance Ion 43.00 (42.70 to 43.70): VV019491.D (-805) (-)

Ion 72.00 (71.70 to 72.70): VV019491.D (-805) (-)



#23

Bromochloromethane

Concen: 50.766 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Tgt Ion:128 Resp: 60979

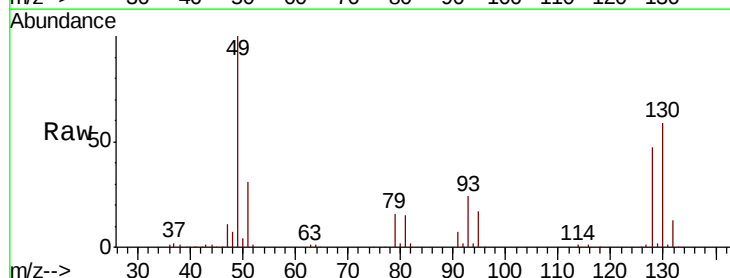
Ion Ratio Lower Upper

128 100

49 214.8 145.7 270.5

130 125.7 91.3 169.5

51 67.2 53.4 80.2

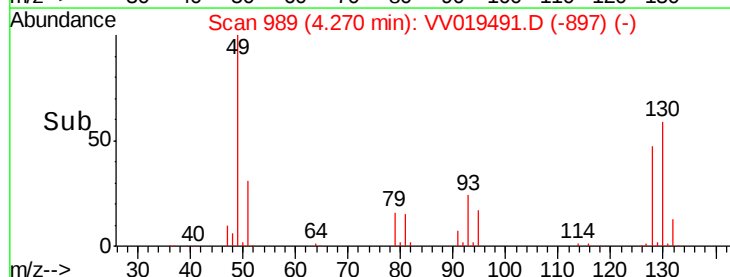
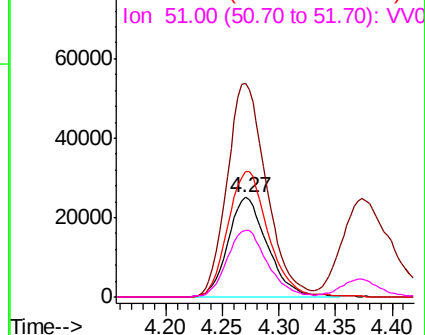


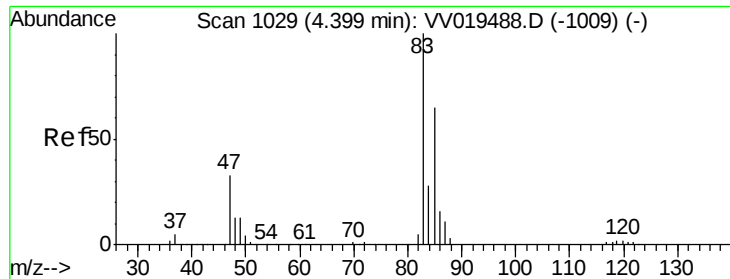
Abundance Ion 128.00 (127.70 to 128.70): VV019491.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019491.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019491.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019491.D (-897) (-)

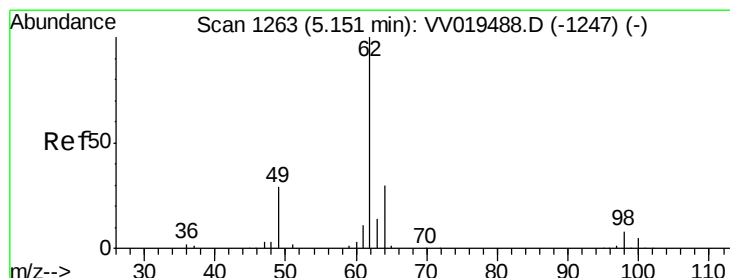
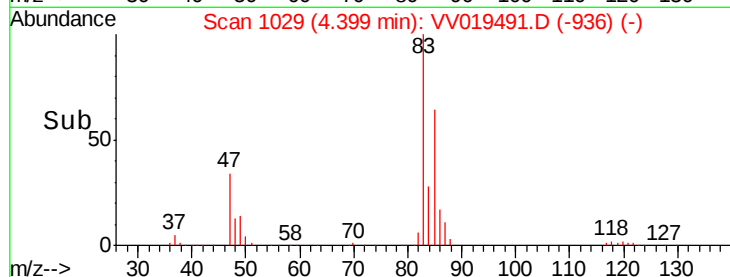
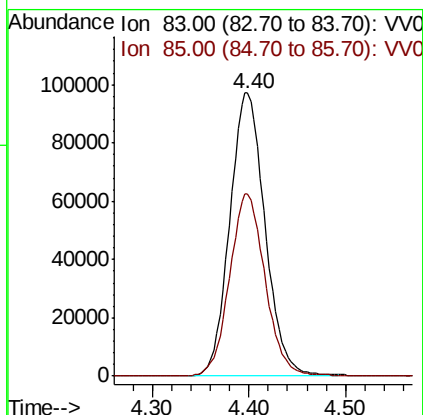
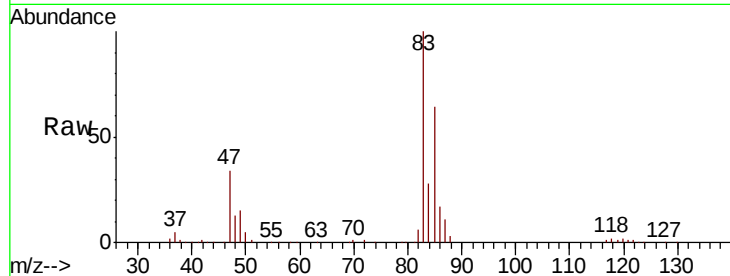




#25
Chloroform
Concen: 51.035 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

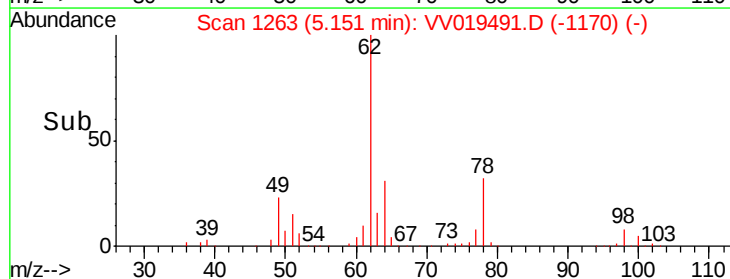
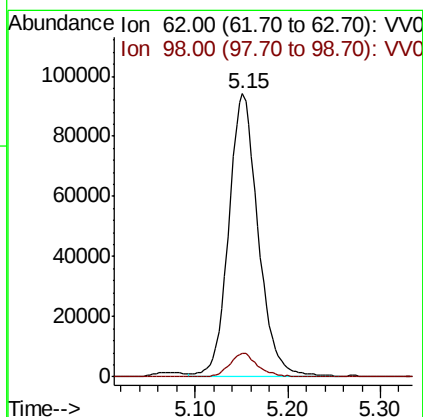
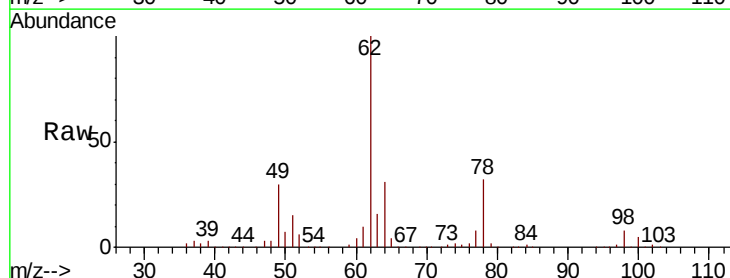
Instrument :
MSVOA_V
ClientSampled :
VICV64

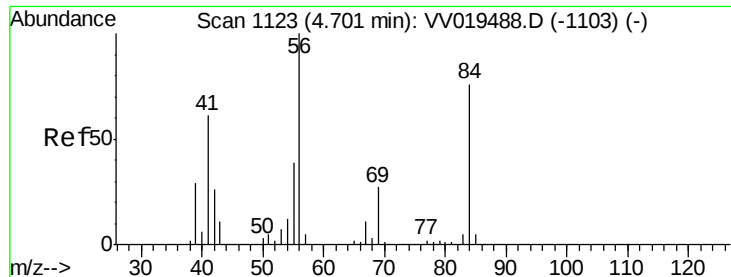
Tot Ion: 83 Resp: 246145
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.2



#27
1,2-Dichloroethane
Concen: 52.373 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 62 Resp: 206046
Ion Ratio Lower Upper
62 100
98 8.4 6.4 9.6

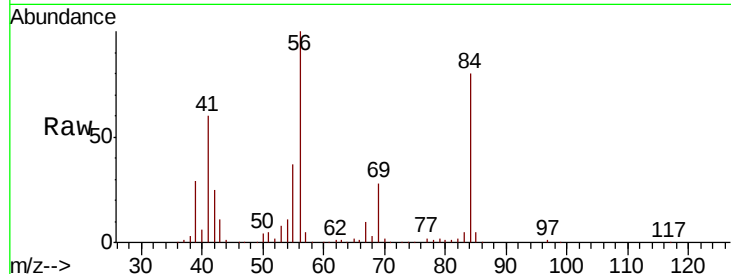




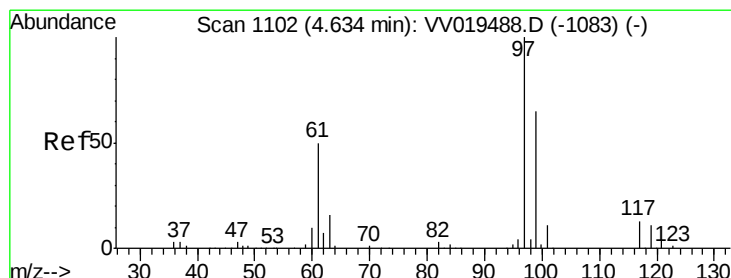
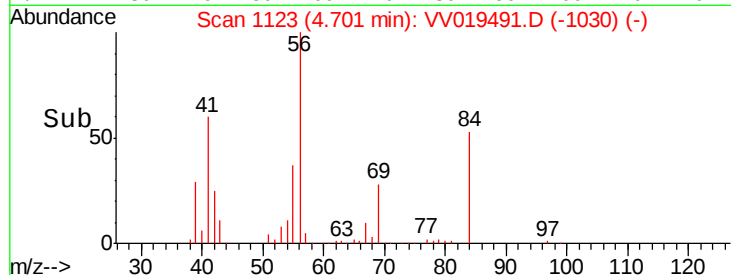
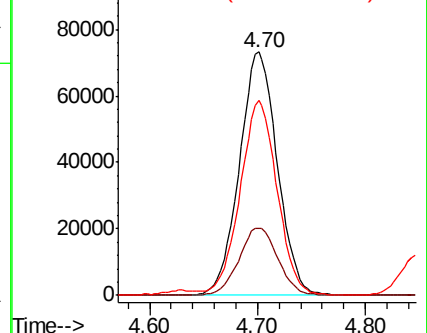
#29
Cyclohexane
Concen: 52.529 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Instrument :
MSVOA_V
ClientSampleID :
VICV64

Tot Ion: 56 Resp: 178435
Ion Ratio Lower Upper
56 100
69 28.5 22.6 34.0
84 78.5 61.9 92.9

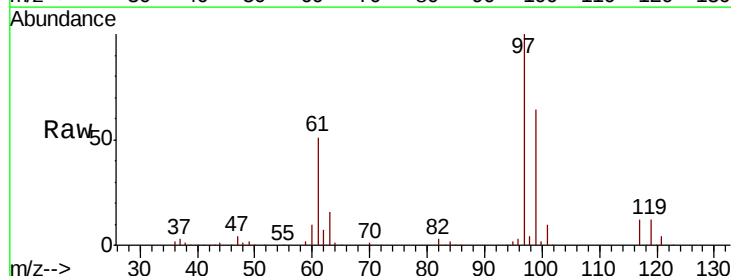


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

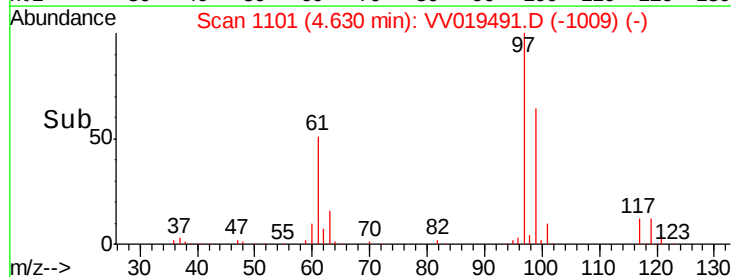
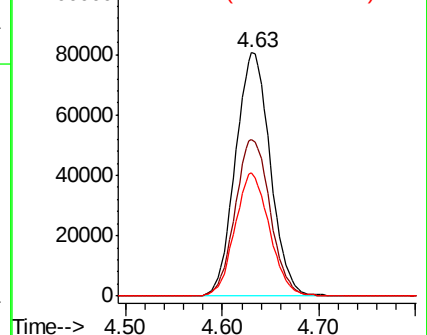


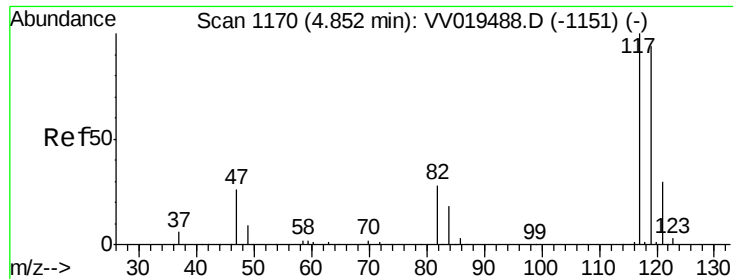
#30
1,1,1-Trichloroethane
Concen: 50.770 ug/L
RT: 4.63 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 97 Resp: 202003
Ion Ratio Lower Upper
97 100
99 64.8 51.3 76.9
61 50.2 40.4 60.6



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.966 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

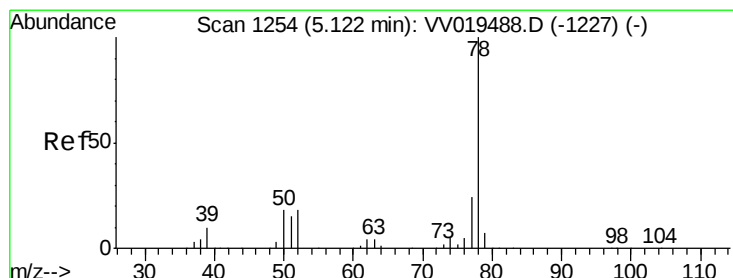
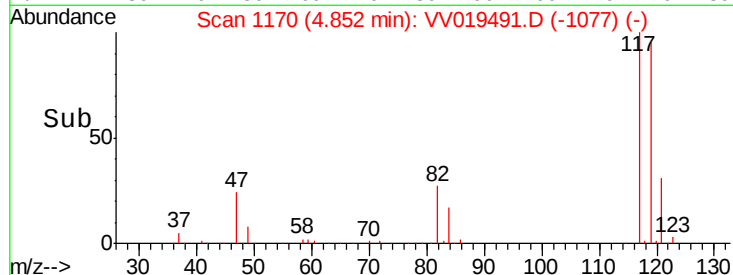
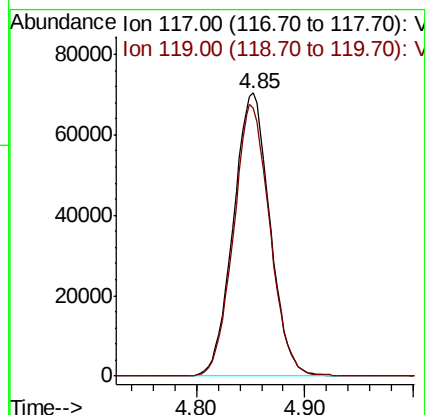
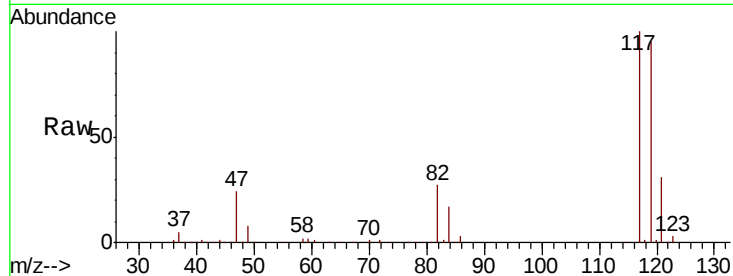
VICV64

Tot Ion:117 Resp: 166376

Ion Ratio Lower Upper

117 100

119 95.0 75.4 113.2



#33

Benzene

Concen: 52.508 ug/L

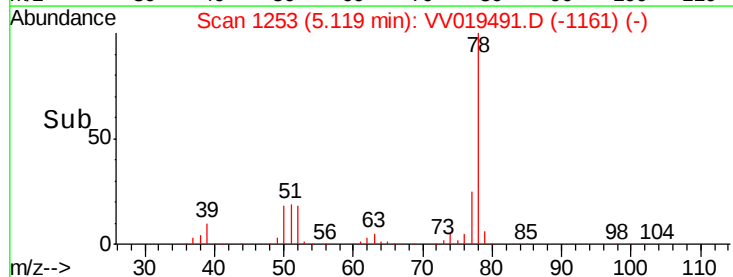
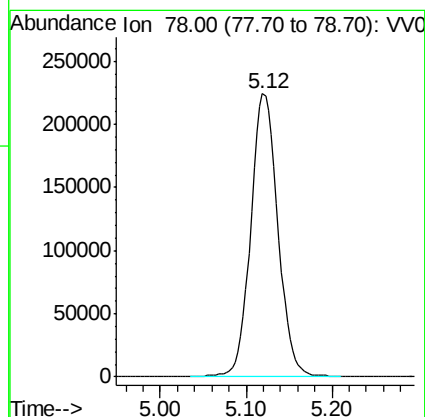
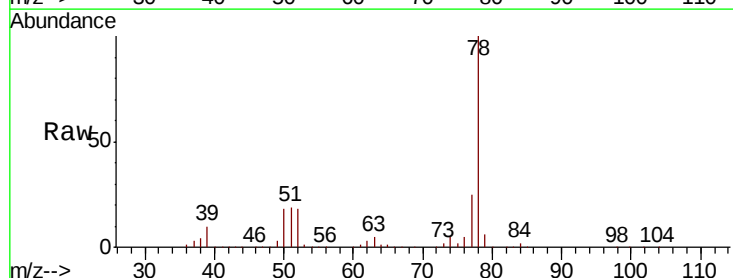
RT: 5.12 min Scan# 1253

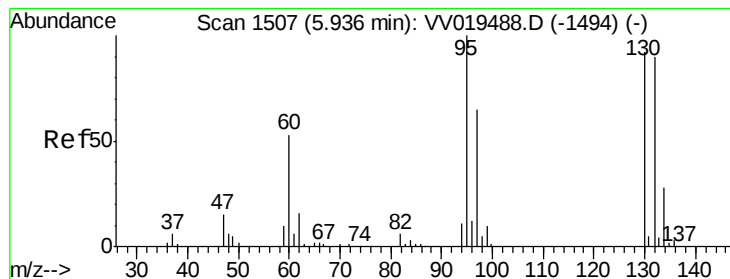
Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Tgt Ion: 78 Resp: 494744





#34

Trichloroethene

Concen: 49.565 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampled :

VICV64

Tot Ion: 95 Resp: 130782

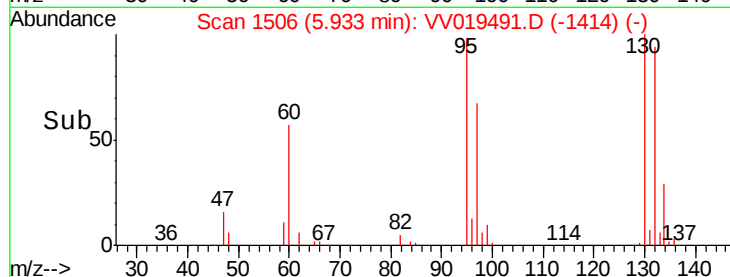
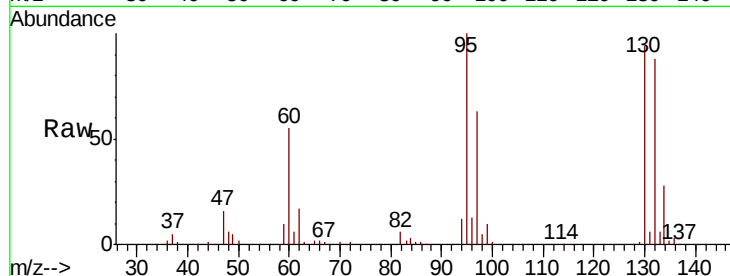
Ion Ratio Lower Upper

95 100

97 62.7 45.5 84.5

132 88.5 62.9 116.9

130 94.0 64.8 120.3

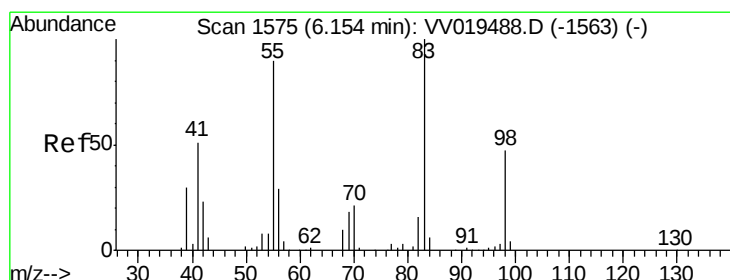
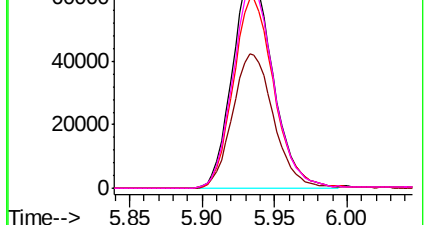


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 52.844 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

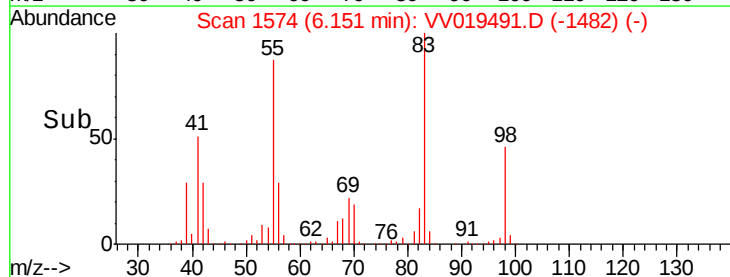
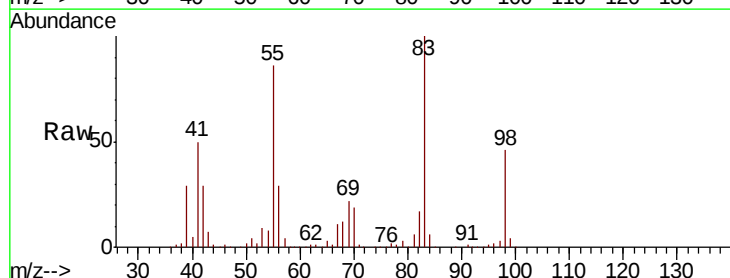
Tgt Ion: 83 Resp: 165406

Ion Ratio Lower Upper

83 100

55 86.0 69.8 104.8

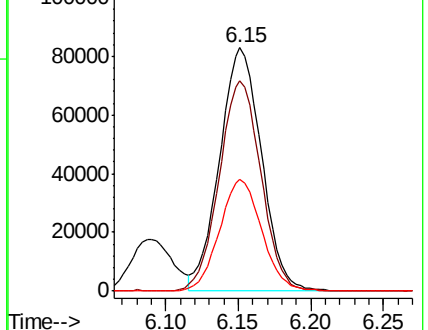
98 45.9 37.0 55.6

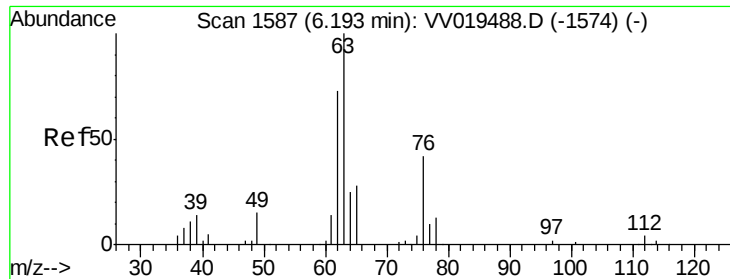


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 52.719 ug/L

RT: 6.19 min Scan# 1587

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

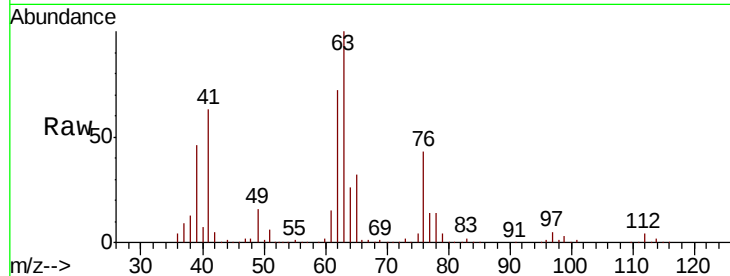
VICV64

Tot Ion: 63 Resp: 147873

Ion Ratio Lower Upper

63 100

112 4.1 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VV019488.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV019488.D (-1574) (-)

6.19

80000

60000

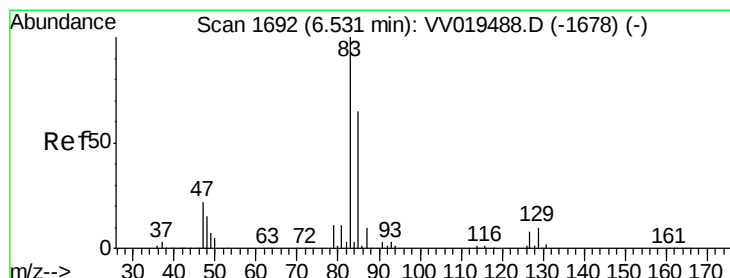
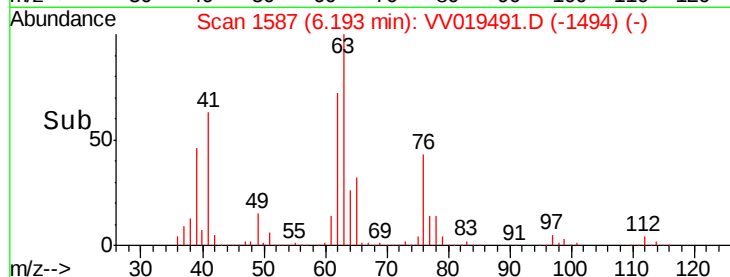
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 52.084 ug/L

RT: 6.53 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

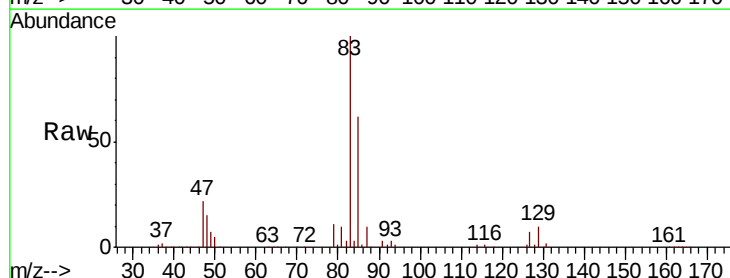
Tgt Ion: 83 Resp: 188451

Ion Ratio Lower Upper

83 100

85 62.0 45.5 84.5

127 7.5 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VV019488.D (-1678) (-)

Ion 85.00 (84.70 to 85.70): VV019488.D (-1678) (-)

Ion 127.00 (126.70 to 127.70): VV019488.D (-1678) (-)

6.53

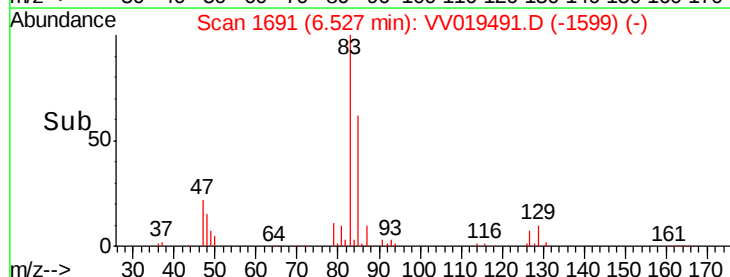
100000

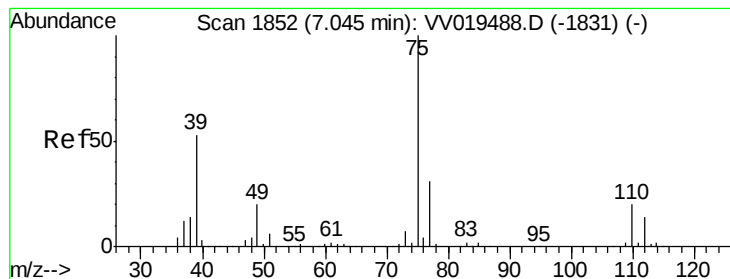
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



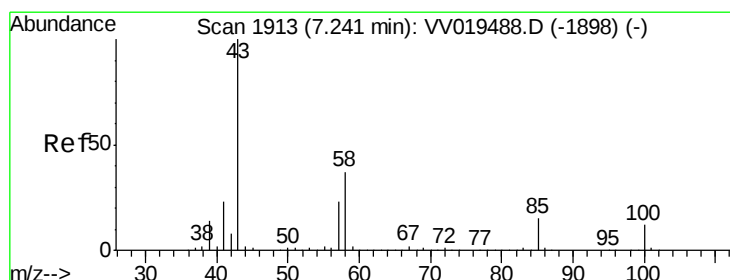
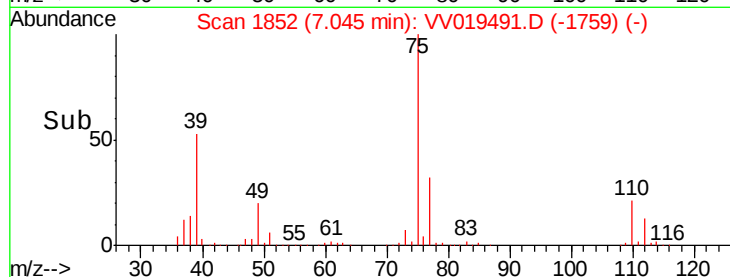
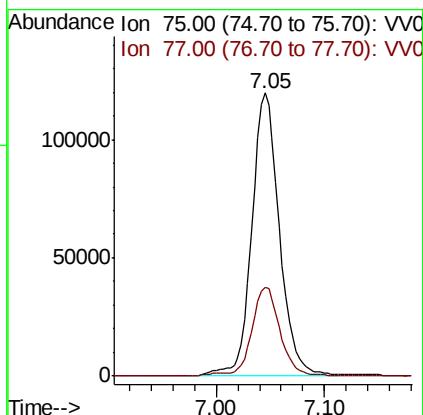
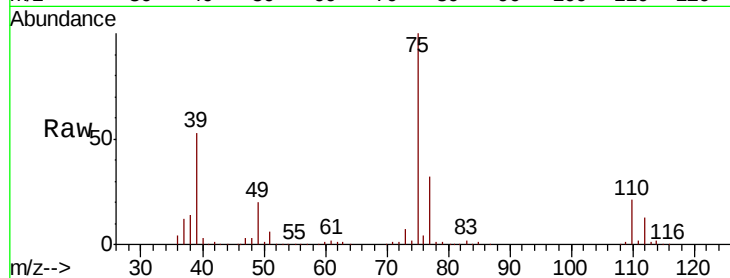


#39

cis-1,3-Dichloropropene
Concen: 54.205 ug/L
RT: 7.05 min Scan# 1852
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Instrument :
MSVOA_V
ClientSampleId :
VICV64

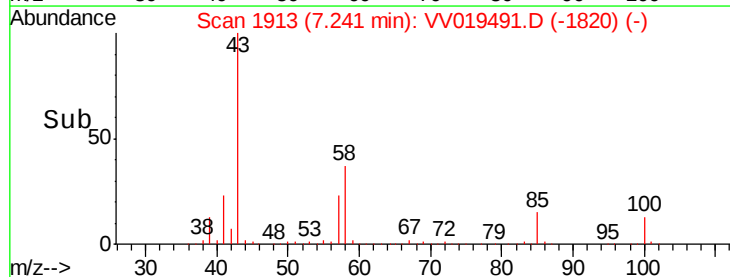
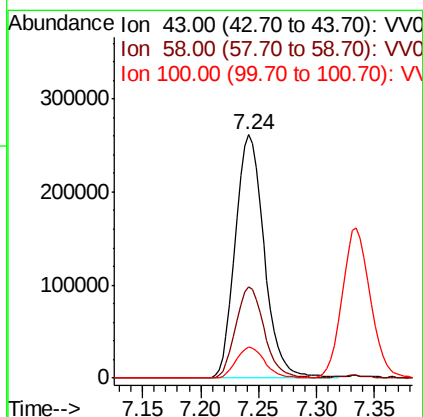
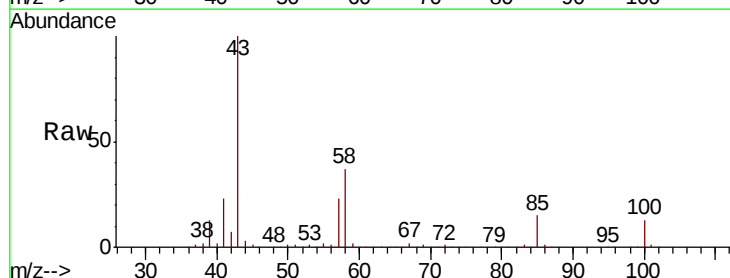
Tot Ion: 75 Resp: 213535
Ion Ratio Lower Upper
75 100
77 31.5 21.4 39.8

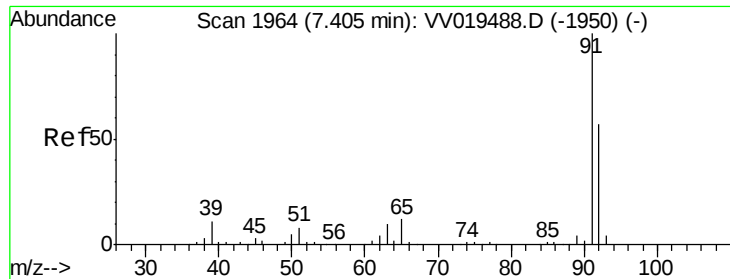


#40

4-Methyl-2-pentanone
Concen: 108.925 ug/L
RT: 7.24 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 43 Resp: 453124
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3
100 12.7 10.0 15.0





#42

Toluene

Concen: 53.409 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

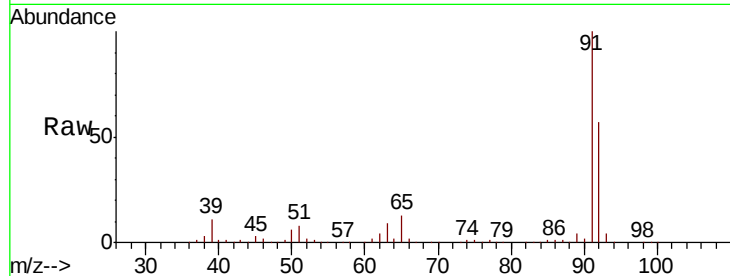
VICV64

Tot Ion: 91 Resp: 505740

Ion Ratio Lower Upper

91 100

92 57.1 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV019488.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV019488.D (-1950) (-)

7.41

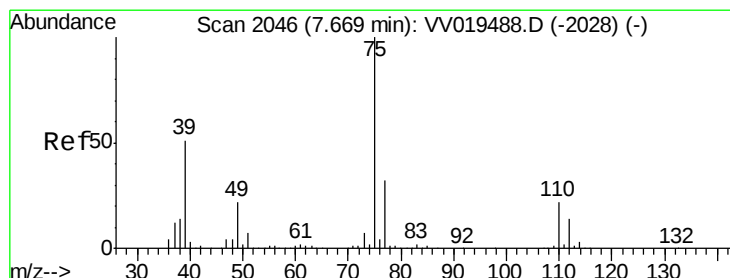
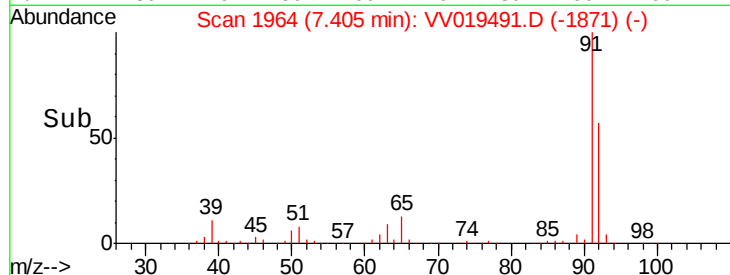
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.342 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VV019491.D

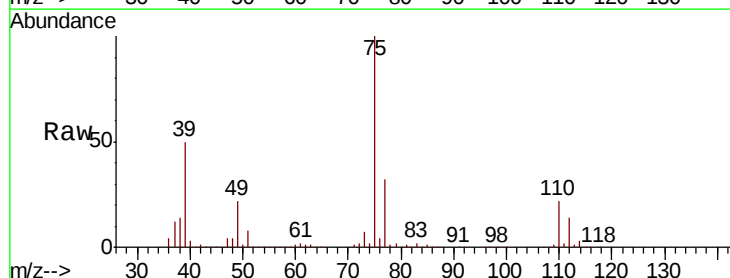
Acq: 07 Dec 2020 14:40

Tgt Ion: 75 Resp: 217129

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV019488.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV019488.D (-2028) (-)

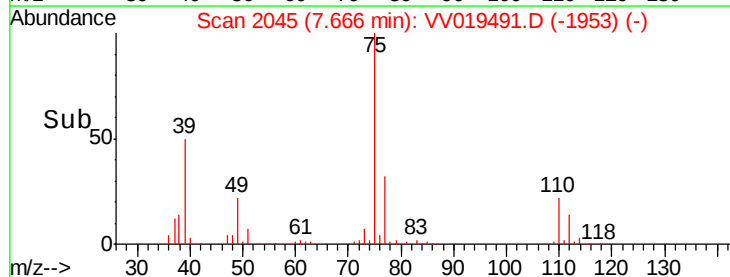
7.67

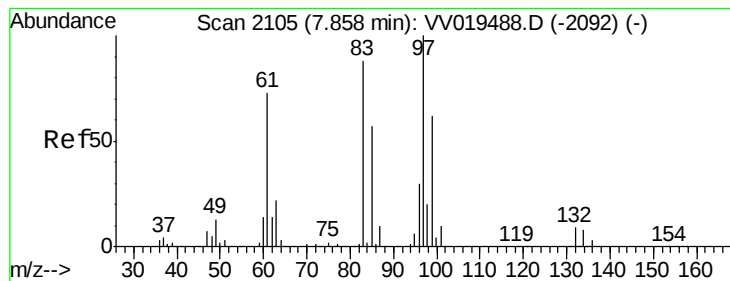
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 51.560 ug/L

RT: 7.86 min Scan# 2104

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

VICV64

Tot Ion: 97 Resp: 129568

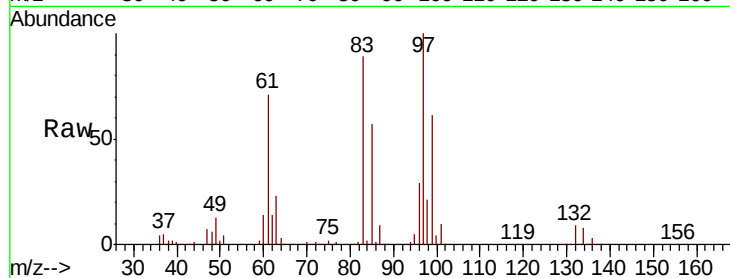
Ion Ratio Lower Upper

97 100

99 60.8 43.1 80.1

83 88.8 61.7 114.7

85 56.7 40.2 74.6

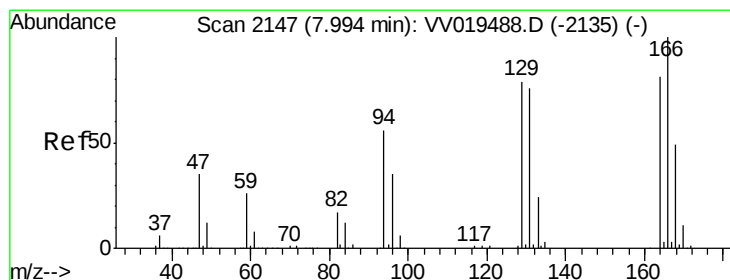
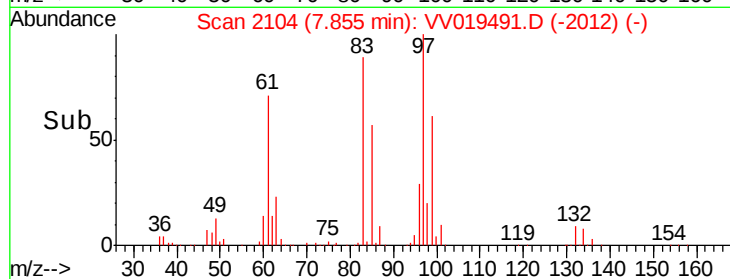
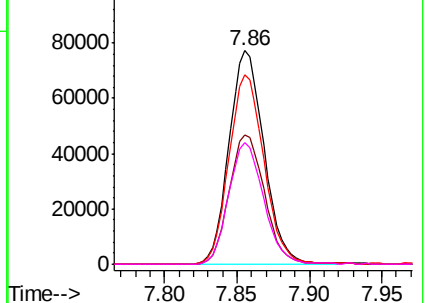


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 51.054 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Tgt Ion: 164 Resp: 81150

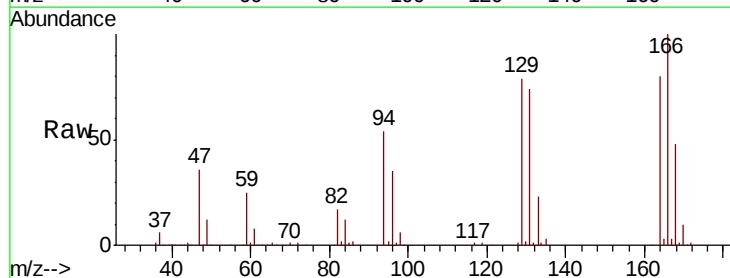
Ion Ratio Lower Upper

164 100

129 98.7 68.4 127.0

131 92.7 65.6 121.8

166 124.8 86.4 160.4

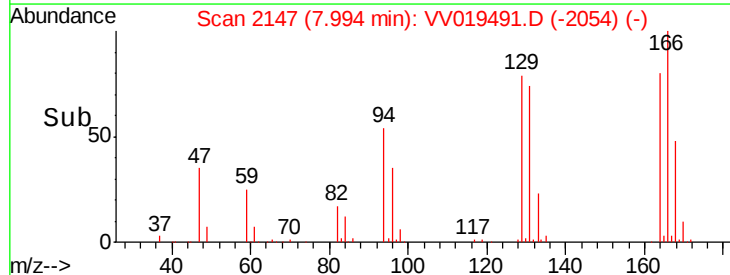
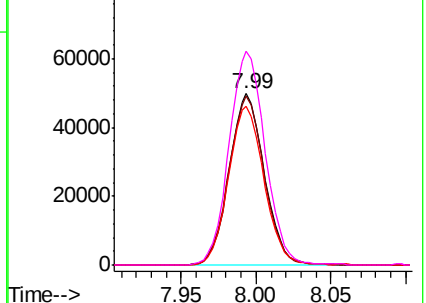


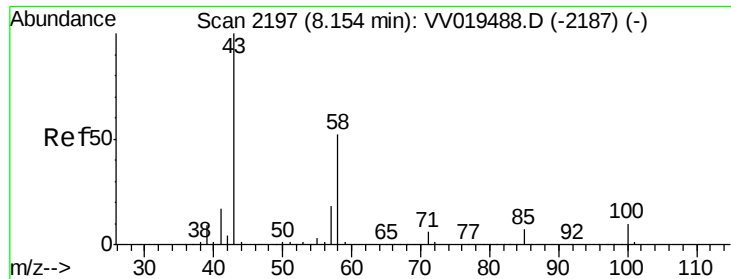
Abundance Ion 164.00 (163.70 to 164.70): V

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

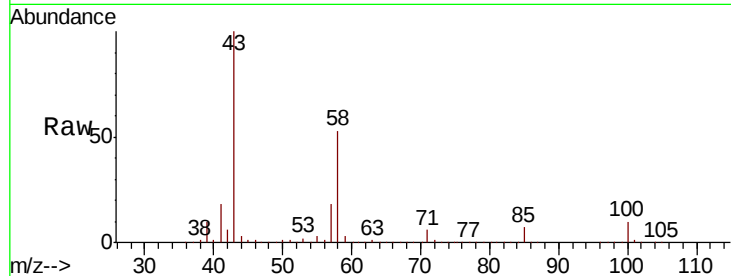




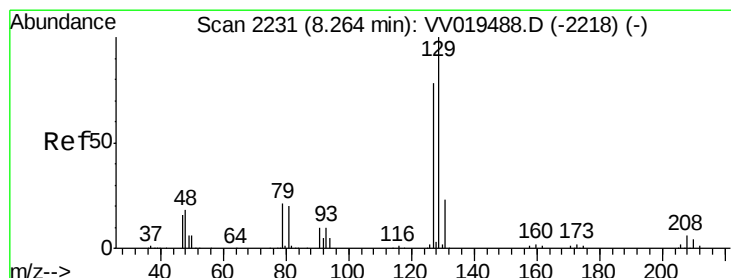
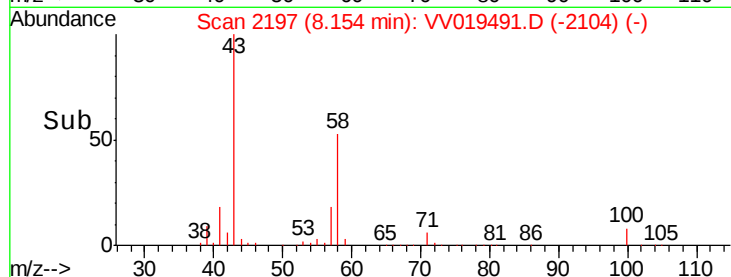
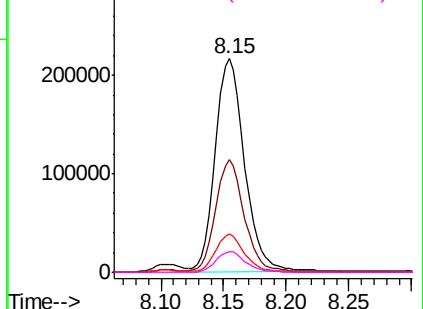
#48
2-Hexanone
Concen: 104.966 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Instrument :
MSVOA_V
ClientSampleId :
VICV64

Tot Ion: 43 Resp: 351054
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.6
57 17.6 14.2 21.2
100 9.7 8.0 12.0

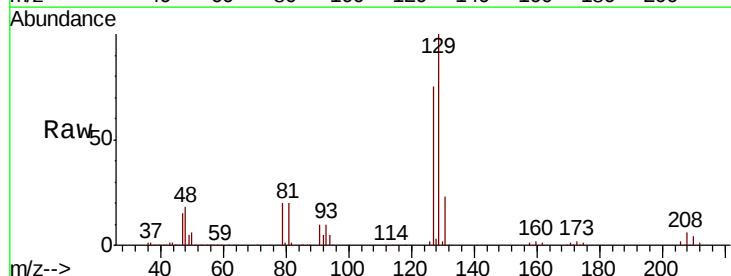


Abundance Ion 43.00 (42.70 to 43.70): VV019491.D (-2104) (-)
Ion 58.00 (57.70 to 58.70): VV019491.D (-2104) (-)
Ion 57.00 (56.70 to 57.70): VV019491.D (-2104) (-)
Ion 100.00 (99.70 to 100.70): VV019491.D (-2104) (-)

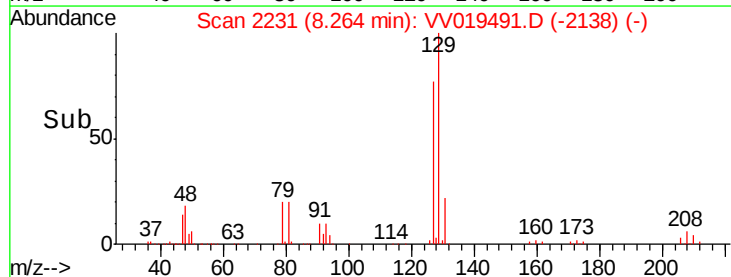
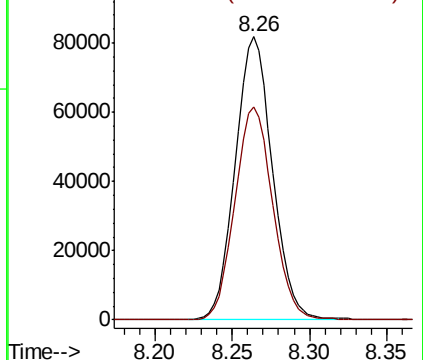


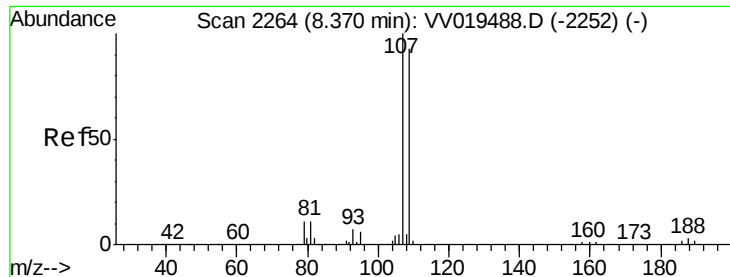
#49
Dibromochloromethane
Concen: 52.463 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 129 Resp: 136584
Ion Ratio Lower Upper
129 100
127 75.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): VV019491.D (-2138) (-)
Ion 127.00 (126.70 to 127.70): VV019491.D (-2138) (-)

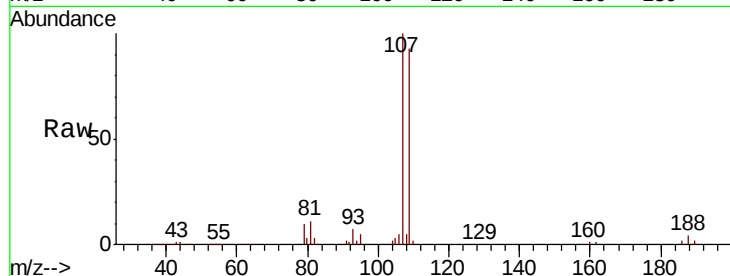




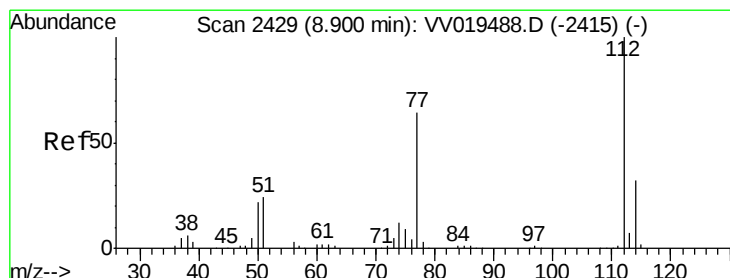
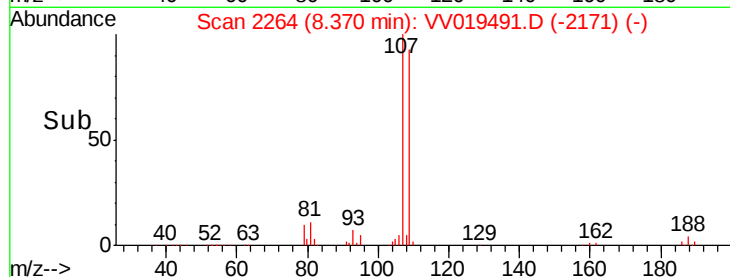
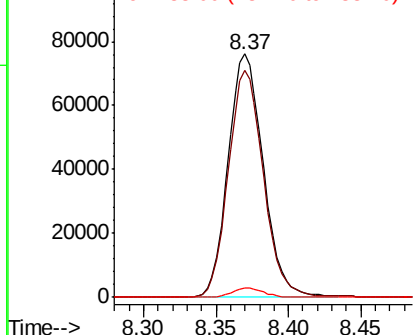
#50
1,2-Dibromoethane
Concen: 51.692 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Instrument :
MSVOA_V
ClientSampleId :
VICV64

Tot Ion:107 Resp: 128146
Ion Ratio Lower Upper
107 100
109 93.0 65.1 120.9
188 3.8 2.6 4.0

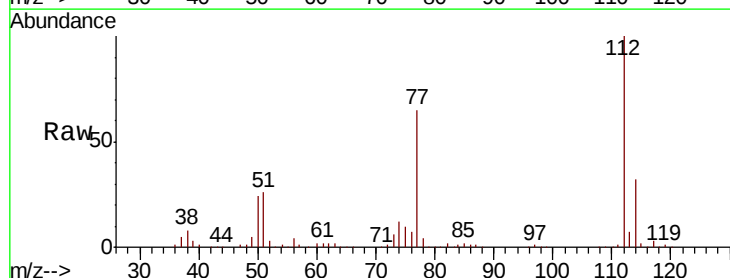


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

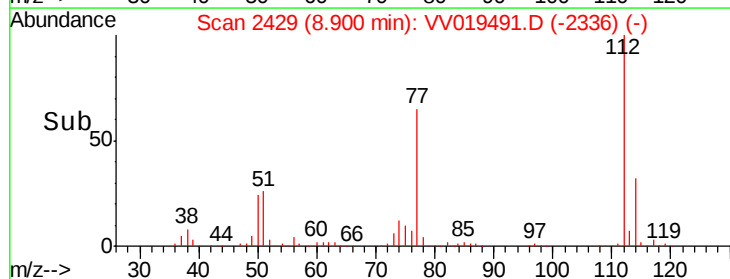
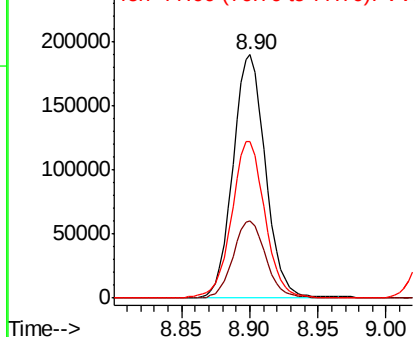


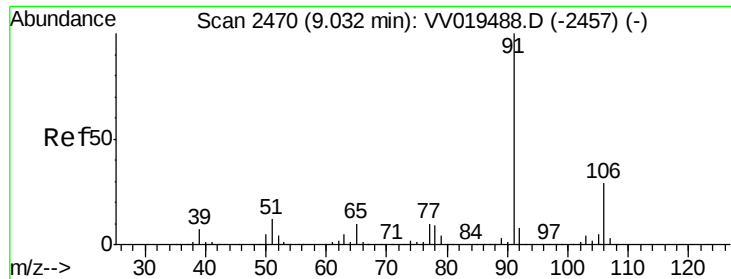
#51
Chlorobenzene
Concen: 50.947 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion:112 Resp: 314227
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 64.6 51.6 77.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0

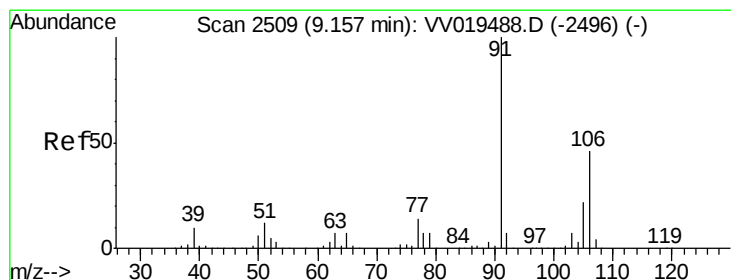
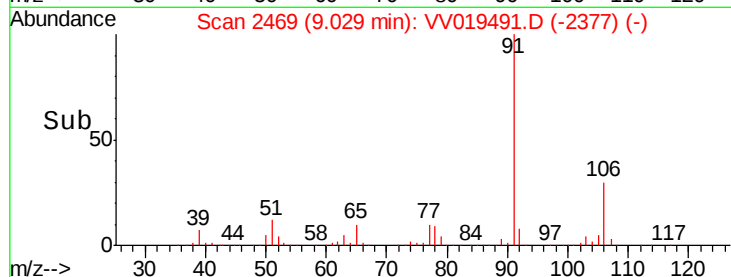
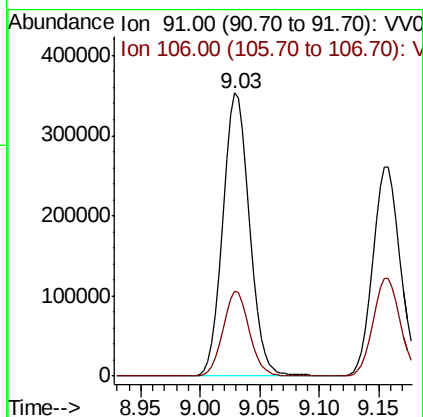
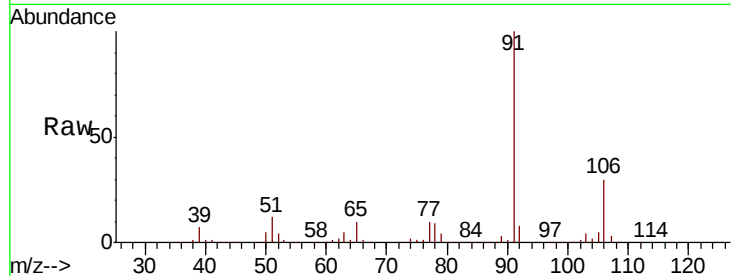




#52
Ethylbenzene
Concen: 53.494 ug/L
RT: 9.03 min Scan# 2469
Delta R.T. -0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

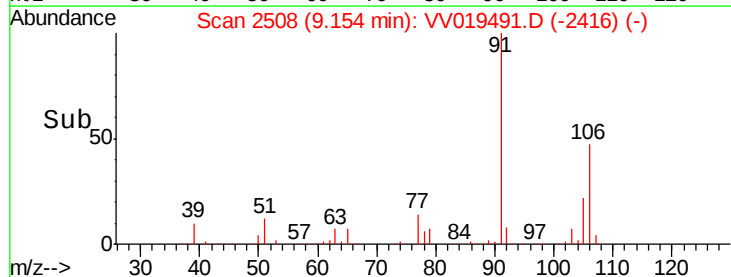
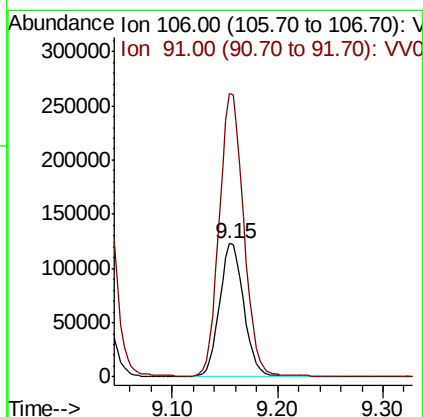
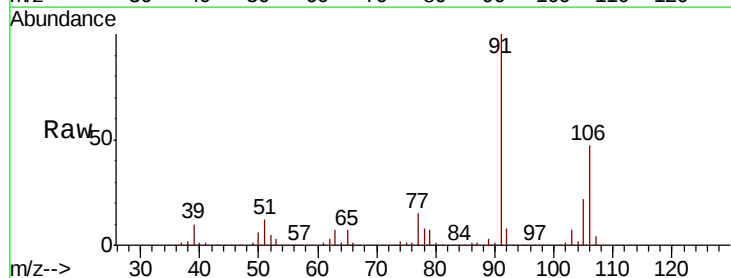
Instrument :
MSVOA_V
ClientSampleId :
VICV64

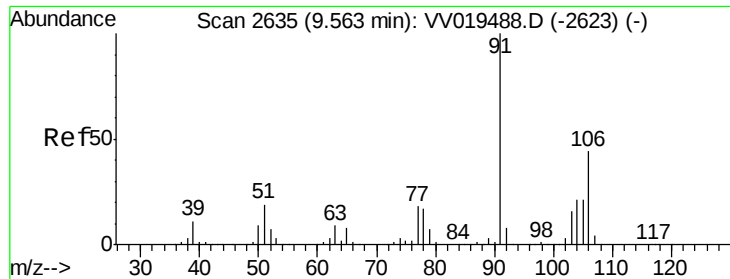
Tot Ion: 91 Resp: 551003
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.2



#53
m,p-Xylene
Concen: 53.440 ug/L
RT: 9.15 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VV019491.D
Acq: 07 Dec 2020 14:40

Tgt Ion: 106 Resp: 195395
Ion Ratio Lower Upper
106 100
91 212.7 151.7 281.7





#54

o-xylene

Concen: 54.167 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

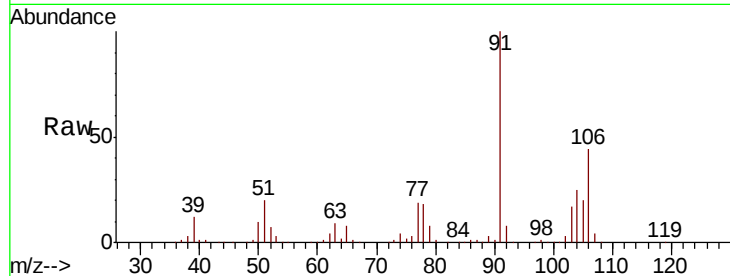
VICV64

Tot Ion:106 Resp: 192084

Ion Ratio Lower Upper

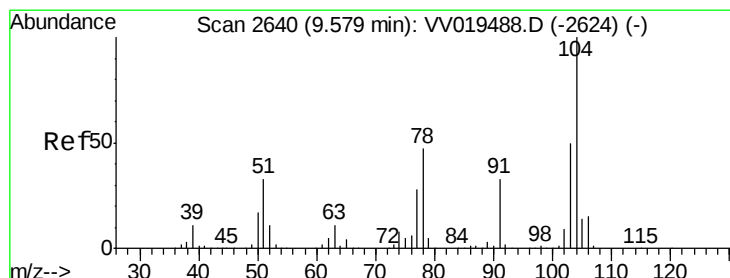
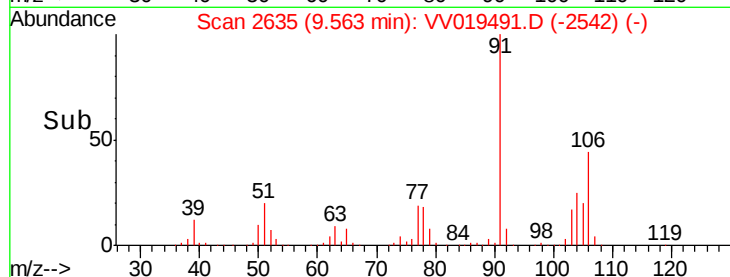
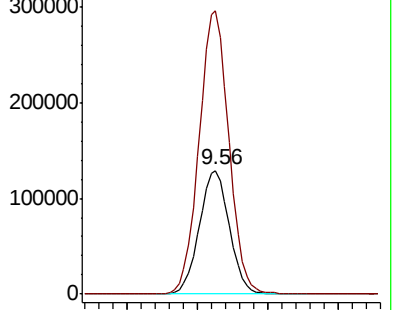
106 100

91 228.8 158.1 293.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.000 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019491.D

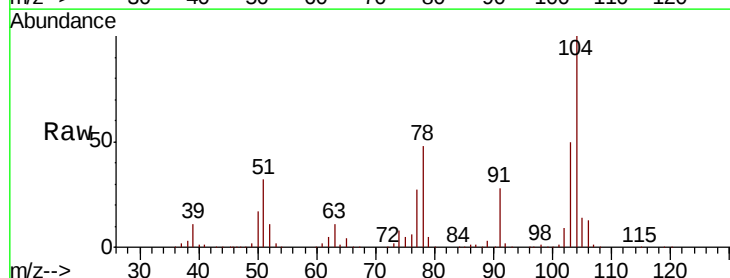
Acq: 07 Dec 2020 14:40

Tgt Ion:104 Resp: 355822

Ion Ratio Lower Upper

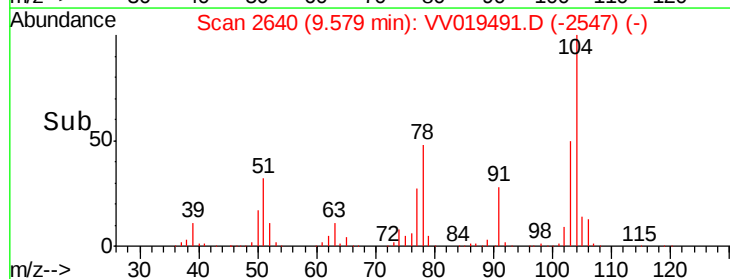
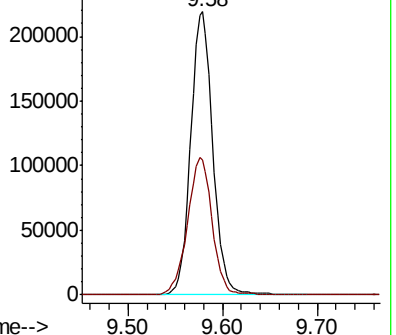
104 100

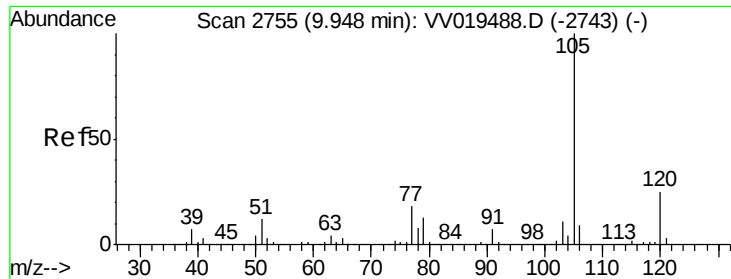
78 47.9 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.046 ug/L

RT: 9.95 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

VICV64

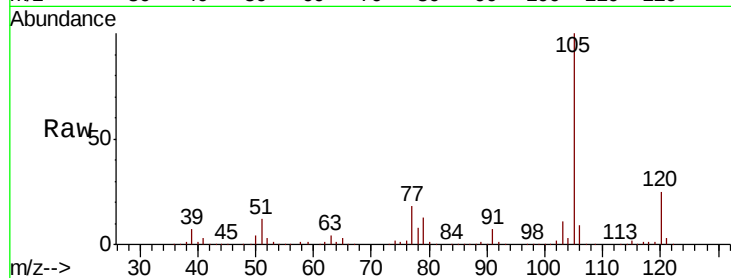
Tot Ion:105 Resp: 520173

Ion Ratio Lower Upper

105 100

120 25.5 20.2 30.4

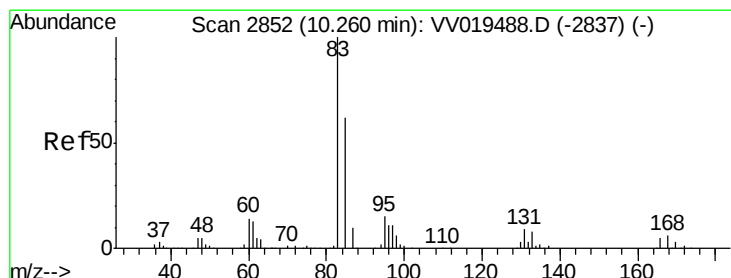
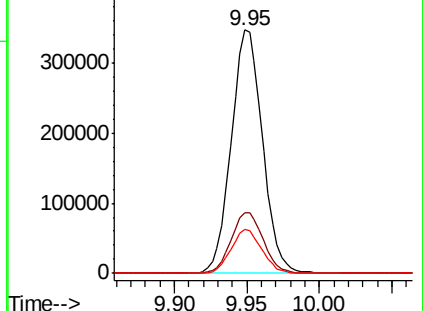
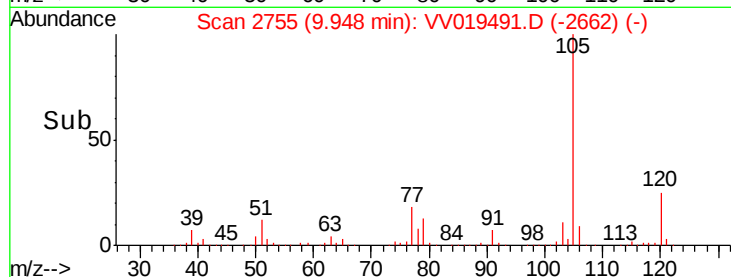
77 17.8 14.1 21.1



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: 52.593 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

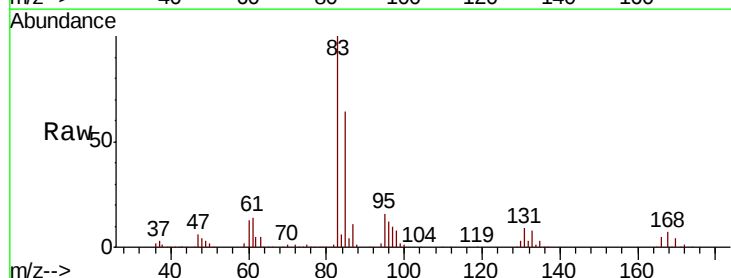
Tgt Ion: 83 Resp: 200780

Ion Ratio Lower Upper

83 100

85 64.4 43.3 80.3

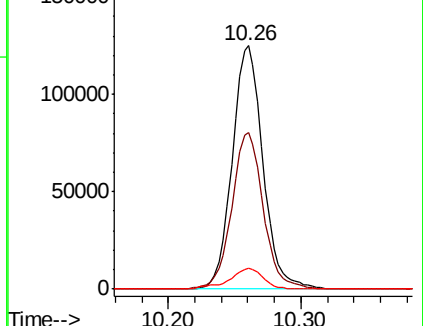
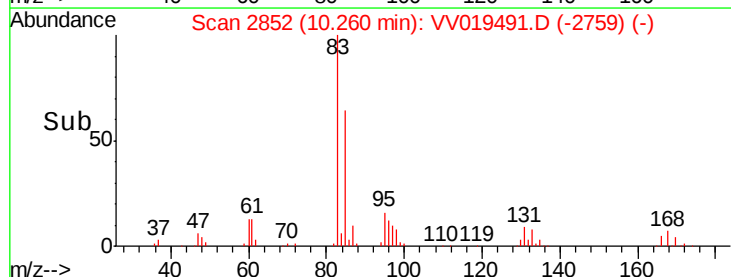
131 8.7 7.0 10.4

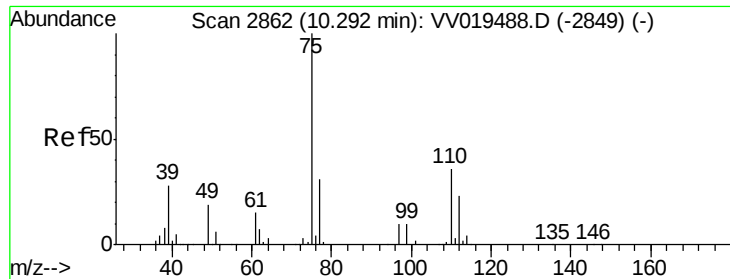


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.428 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

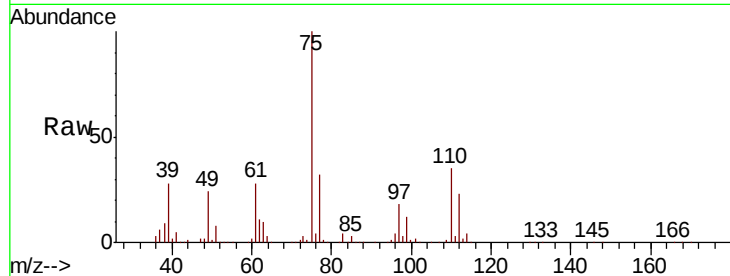
VICV64

Tot Ion: 75 Resp: 178754

Ion Ratio Lower Upper

75 100

77 32.0 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) (-)

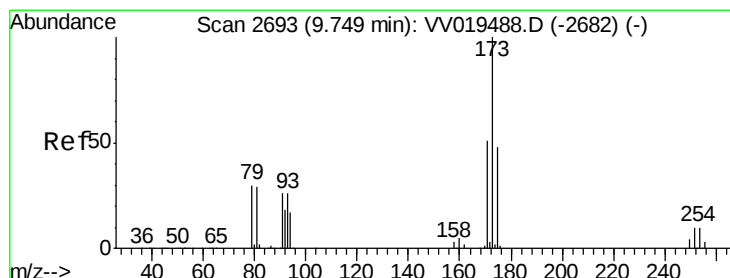
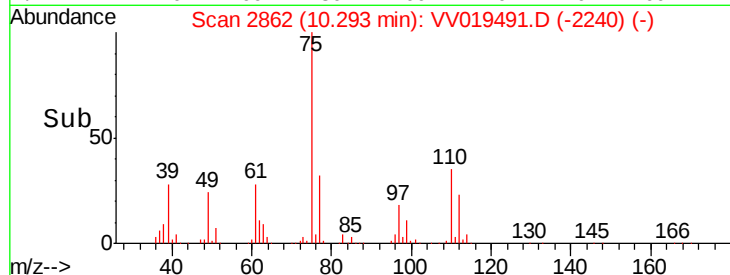
10.29

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 50.695 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

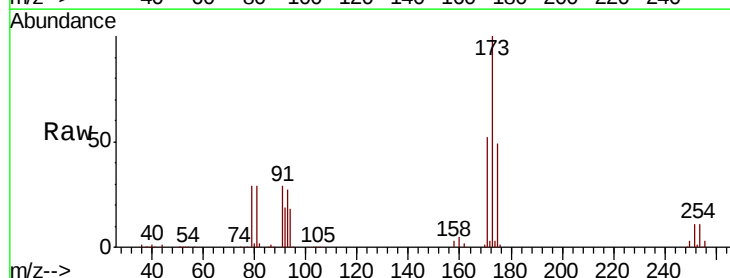
Tgt Ion: 173 Resp: 93984

Ion Ratio Lower Upper

173 100

175 49.3 37.8 56.6

254 10.1 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) (-)

9.75

80000

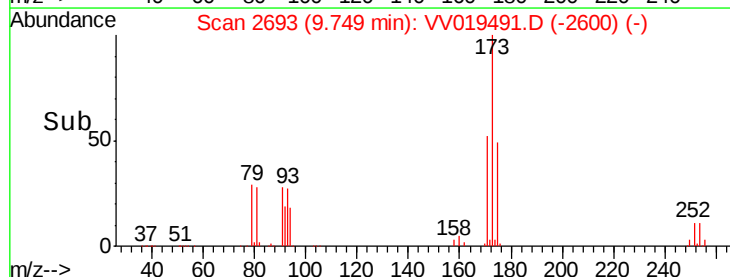
60000

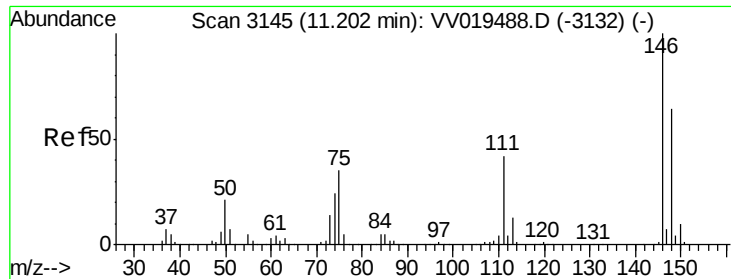
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 52.520 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. -0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

VICV64

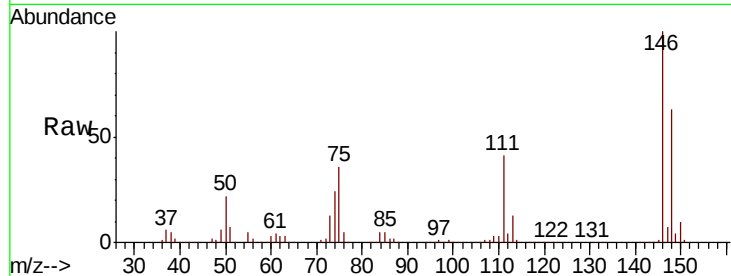
Tot Ion:146 Resp: 249012

Ion Ratio Lower Upper

146 100

111 41.5 29.6 55.0

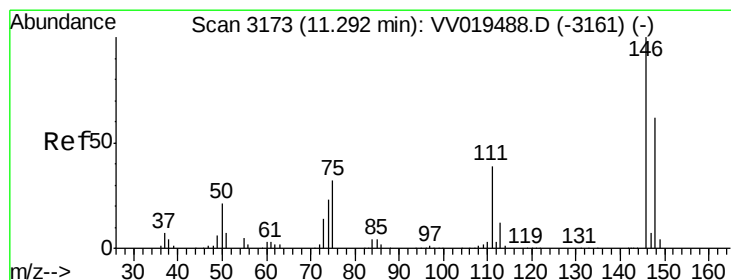
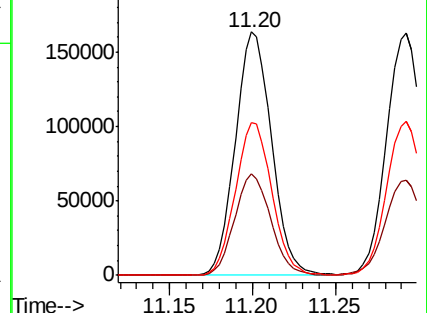
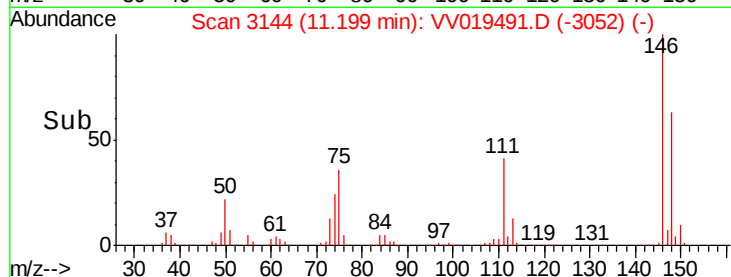
148 62.9 44.6 82.8



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: 50.496 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

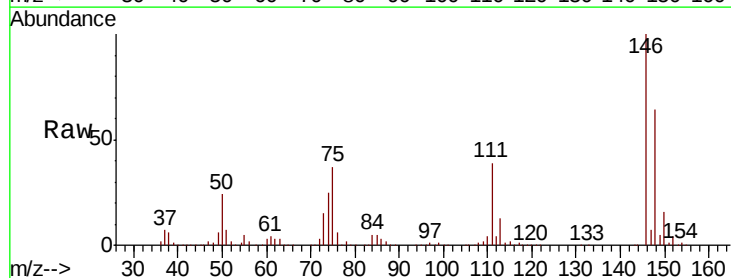
Tgt Ion:146 Resp: 251304

Ion Ratio Lower Upper

146 100

111 39.4 27.6 51.2

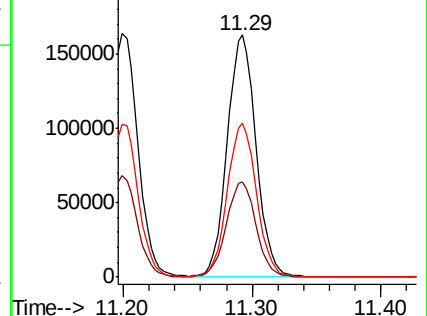
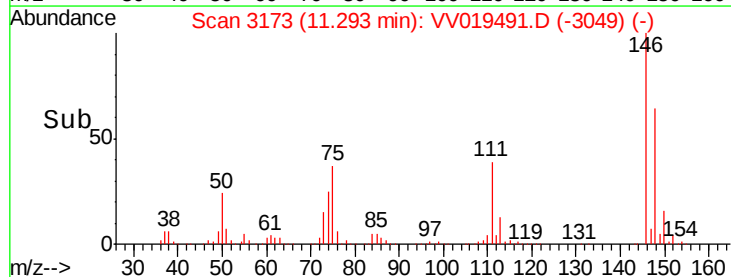
148 63.6 43.7 81.1

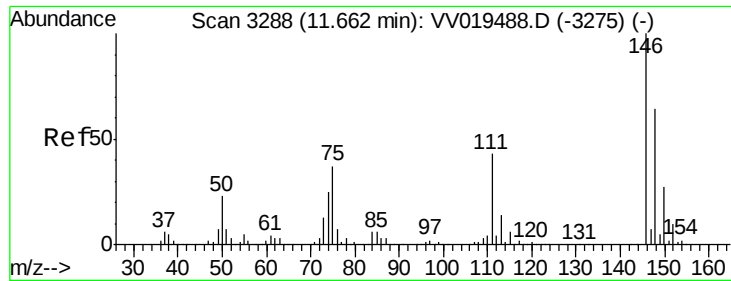


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.484 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampled :

VICV64

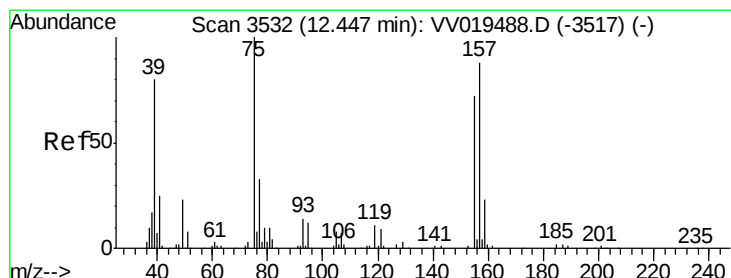
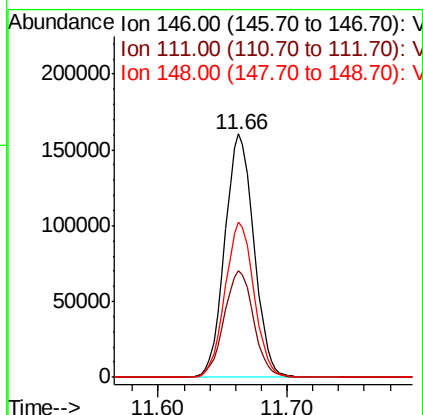
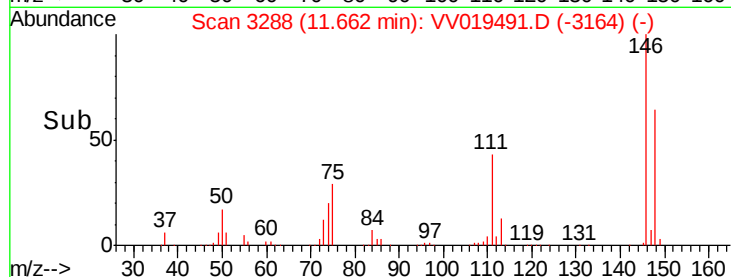
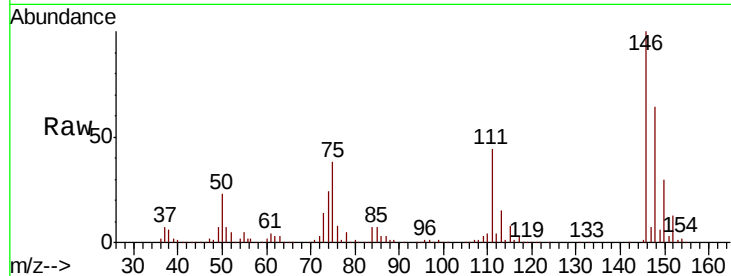
Tot Ion:146 Resp: 250990

Ion Ratio Lower Upper

146 100

111 43.6 34.7 52.1

148 63.8 51.0 76.4



#66

1,2-Dibromo-3-chloropropane

Concen: 49.816 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

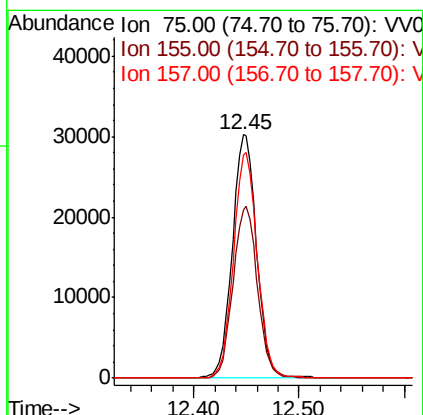
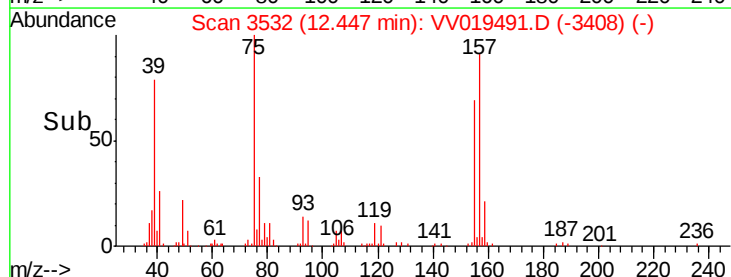
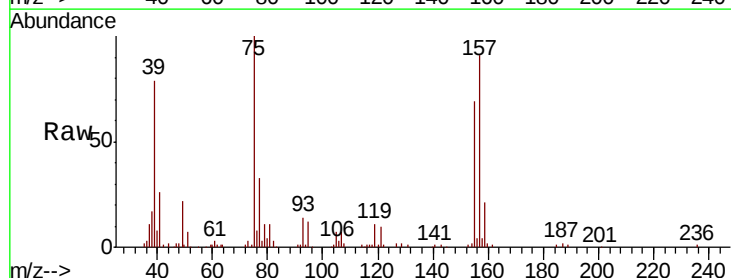
Tgt Ion: 75 Resp: 47954

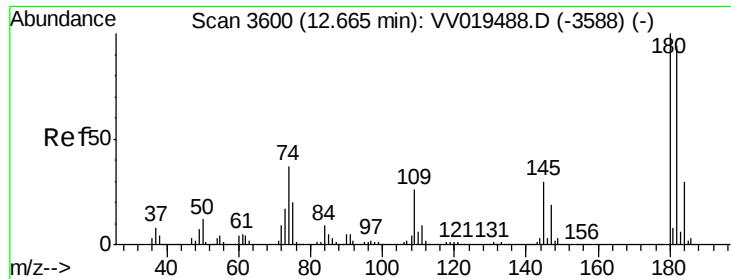
Ion Ratio Lower Upper

75 100

155 69.3 57.9 86.9

157 91.5 70.6 106.0

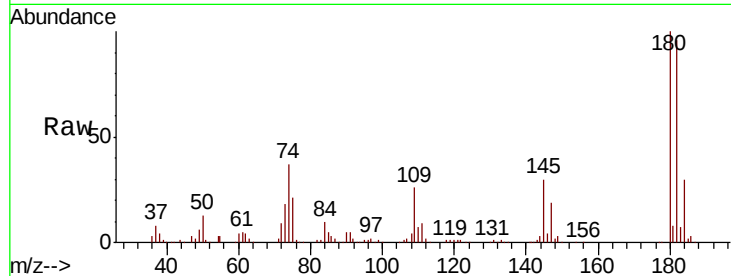




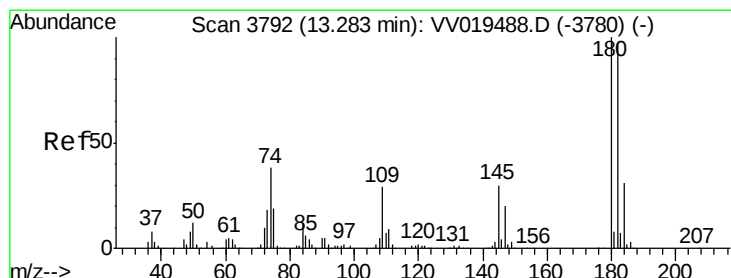
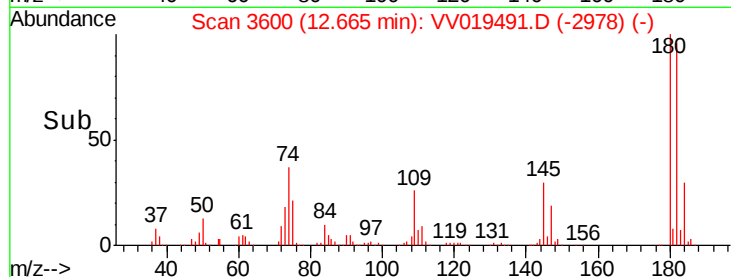
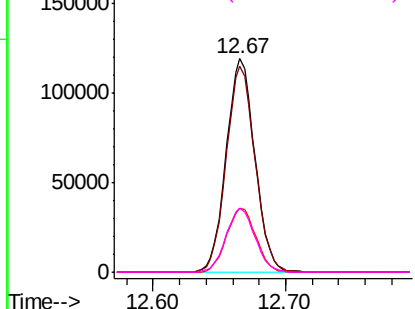
#67
 1,3,5-Trichlorobenzene
 Concen: 50.239 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019491.D
 Acq: 07 Dec 2020 14:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV64

Tot Ion:180	Resp:	178975
Ion Ratio	Lower	Upper
180	100	
182	96.3	75.9 113.9
184	30.7	24.3 36.5
145	30.2	24.2 36.4

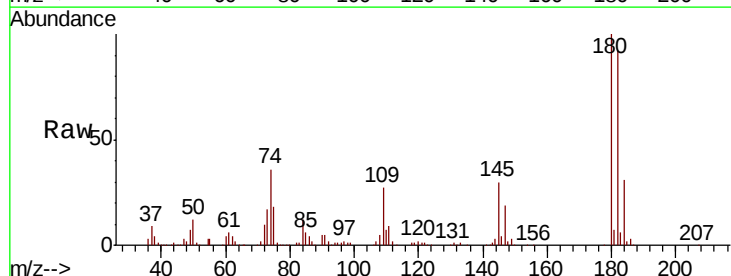


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

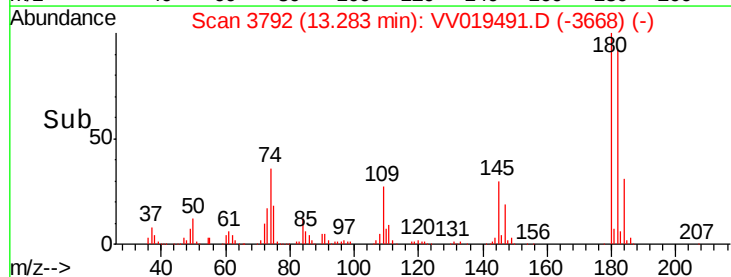
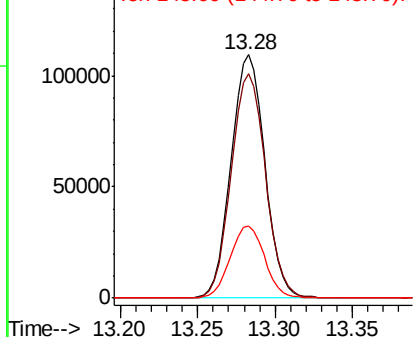


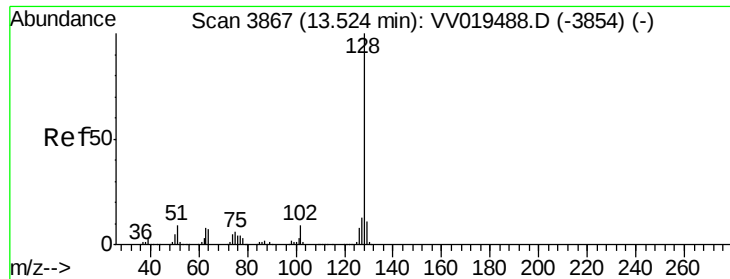
#68
 1,2,4-trichlorobenzene
 Concen: 52.997 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019491.D
 Acq: 07 Dec 2020 14:40

Tgt Ion:180	Resp:	165896
Ion Ratio	Lower	Upper
180	100	
182	93.5	76.5 114.7
145	30.2	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: 53.527 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

Instrument :

MSVOA_V

ClientSampleId :

VICV64

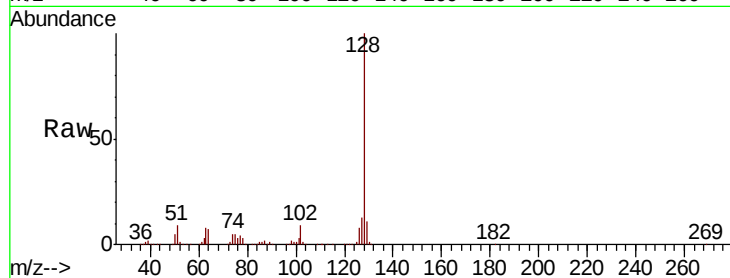
Tot Ion:128 Resp: 440139

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

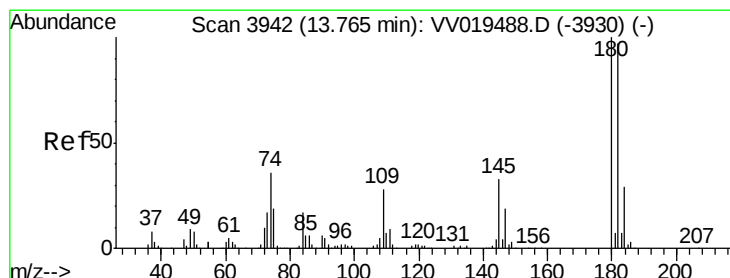
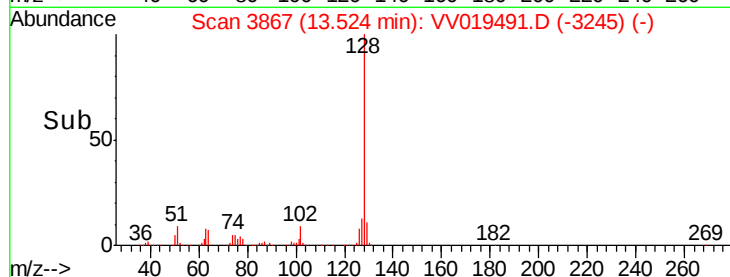
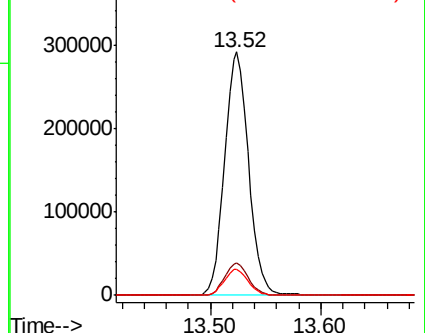
129 10.8 8.6 12.8



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: 52.819 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019491.D

Acq: 07 Dec 2020 14:40

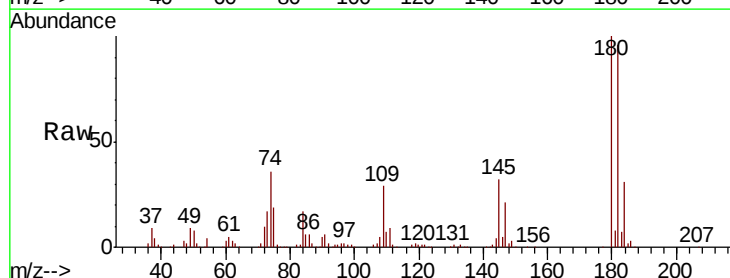
Tgt Ion:180 Resp: 170759

Ion Ratio Lower Upper

180 100

182 95.4 77.0 115.4

145 32.4 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

