

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019141.D
 Acq On : 28 Oct 2020 17:57
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Quant Time: Oct 29 03:17:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	222768	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217043	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111361	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	74170	36.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.30%
7) Chloroethane-d5	1.58	69	62369	38.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.58%
11) 1,1-Dichloroethene-d2	2.12	63	122410	32.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.60%
21) 2-Butanone-d5	3.91	46	109881	80.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.73%
24) Chloroform-d	4.38	84	155872	44.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.08%
26) 1,2-Dichloroethane-d4	5.06	65	113456	47.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.36%
32) Benzene-d6	5.07	84	294299	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
36) 1,2-Dichloropropane-d6	6.09	67	90435	42.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.10%
41) Toluene-d8	7.34	98	274034	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%
43) trans-1,3-Dichloropropene-	7.64	79	49282	44.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.44%
47) 2-Hexanone-d5	8.11	63	79751	85.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	117871	41.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	119063	50.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.94%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3599	2.074 ug/L	94
3) Chloromethane	1.25	50	4325	2.004 ug/L	90
5) Vinyl chloride	1.32	62	4924	2.316 ug/L #	65
6) Bromomethane	1.53	94	3057	2.513 ug/L	96
8) Chloroethane	1.60	64	3125	2.344 ug/L	95
9) Trichlorofluoromethane	1.77	101	7175	2.566 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4116	2.768 ug/L #	82
12) 1,1-Dichloroethene	2.13	96	4240	2.850 ug/L #	1
13) Acetone	2.19	43	4940	5.355 ug/L	90
14) Carbon disulfide	2.31	76	10493	2.139 ug/L	96
15) Methyl Acetate	2.46	43	3749	1.934 ug/L	100
16) Methylene chloride	2.53	84	4385	2.529 ug/L	89
17) trans-1,2-Dichloroethene	2.78	96	3468	2.206 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	12883	2.527 ug/L	95
19) 1,1-Dichloroethane	3.21	63	7202	2.269 ug/L	96
23) Bromochloromethane	4.28	128	2036	2.379 ug/L	80
25) Chloroform	4.40	83	4112	1.315 ug/L	92

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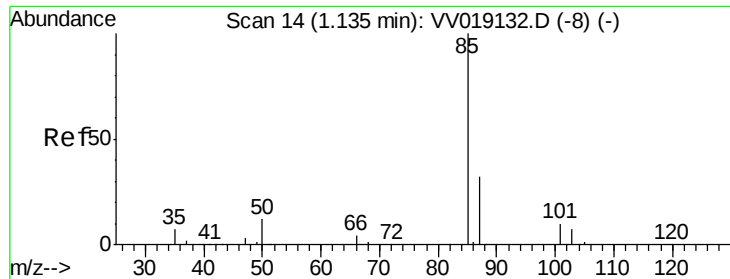
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	5.16	62	3275	1.262	uq/L	97
29) Cyclohexane	4.70	56	4581	1.763	uq/L #	78
30) 1,1,1-Trichloroethane	4.64	97	7058	2.612	uq/L	99
31) Carbon tetrachloride	4.86	117	6002	2.548	uq/L	97
33) Benzene	5.13	78	16193	2.437	uq/L	100
34) Trichloroethene	5.94	95	4086	2.434	uq/L	91
35) Methylcyclohexane	6.15	83	3939	1.715	uq/L	93
37) 1,2-Dichloropropane	6.20	63	3548	1.940	uq/L #	90
38) Bromodichloromethane	6.54	83	5449	2.354	uq/L #	98
39) cis-1,3-Dichloropropene	7.05	75	6385	2.362	uq/L	94
40) 4-Methyl-2-pentanone	7.25	43	9968	4.039	uq/L	96
42) Toluene	7.41	91	16801	2.463	uq/L	96
44) trans-1,3-Dichloropropene	7.68	75	6287	2.344	uq/L	95
45) 1,1,2-Trichloroethane	7.87	97	3808	2.357	uq/L	94
46) Tetrachloroethene	8.00	164	3636	2.822	uq/L	91
48) 2-Hexanone	8.16	43	8482	4.454	uq/L #	91
49) Dibromochloromethane	8.27	129	4702	2.663	uq/L	95
50) 1,2-Dibromoethane	8.38	107	4173	2.489	uq/L	92
51) Chlorobenzene	8.90	112	11428	2.613	uq/L	99
52) Ethylbenzene	9.04	91	17158	2.327	uq/L	98
53) m,p-Xylene	9.16	106	6270	2.322	uq/L	98
54) o-xylene	9.57	106	6149	2.366	uq/L	88
55) Styrene	9.59	104	10212	2.215	uq/L	95
56) Isopropylbenzene	9.95	105	15439	2.259	uq/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	6383	2.401	uq/L #	97
59) 1,2,3-Trichloropropane	10.30	75	5131	2.399	uq/L	99
61) Bromoform	9.76	173	3653	2.913	uq/L #	97
62) 1,3-Dichlorobenzene	11.21	146	8826	2.641	uq/L	97
63) 1,4-Dichlorobenzene	11.29	146	10315	2.954	uq/L	93
65) 1,2-Dichlorobenzene	11.67	146	8958	2.659	uq/L #	90
66) 1,2-Dibromo-3-chloropropan	12.45	75	1729	2.904	uq/L #	89
67) 1,3,5-Trichlorobenzene	12.67	180	6318	2.769	uq/L	96
68) 1,2,4-trichlorobenzene	13.29	180	5829	2.709	uq/L	98
69) Naphthalene	13.53	128	13877	2.093	uq/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	5647	2.590	uq/L	96

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



#2

Dichlorodifluoromethane

Concen: 2.074 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

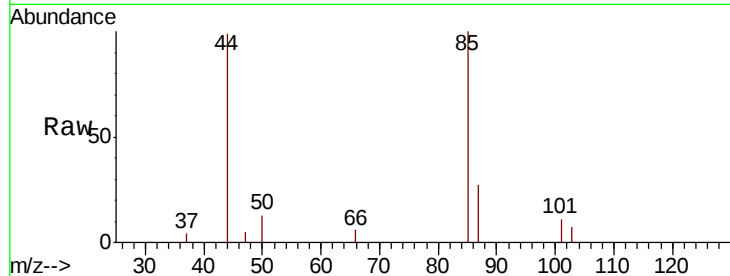
MDL06

Tot Ion: 85 Resp: 3599

Ion Ratio Lower Upper

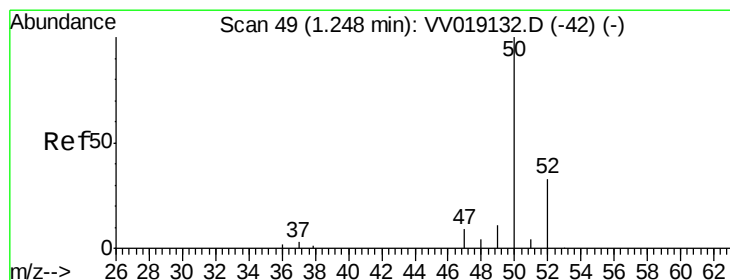
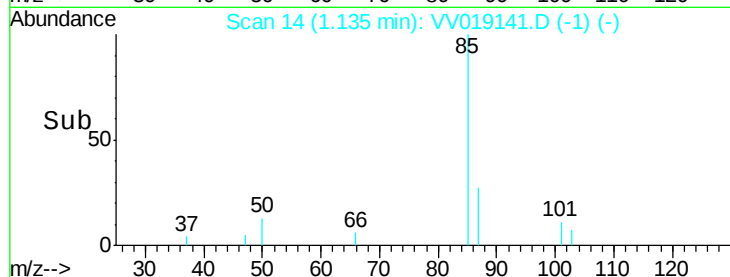
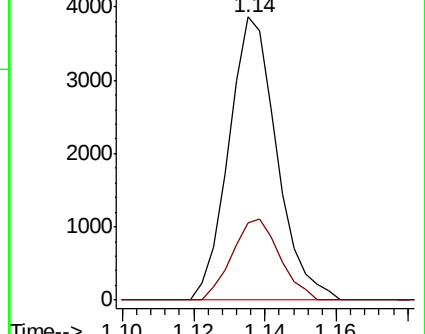
85 100

87 28.3 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 2.004 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019141.D

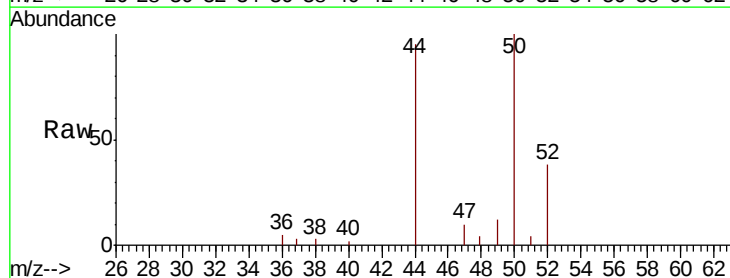
Acq: 28 Oct 2020 17:57

Tgt Ion: 50 Resp: 4325

Ion Ratio Lower Upper

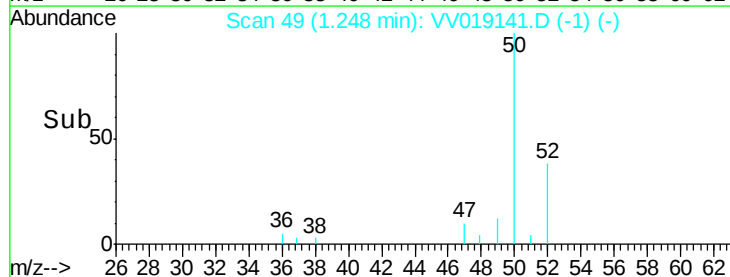
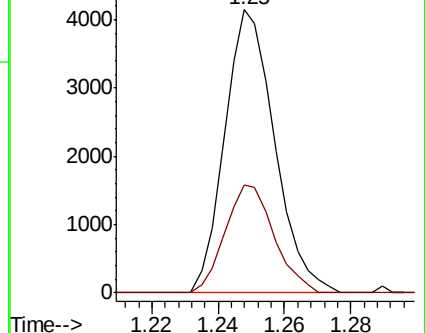
50 100

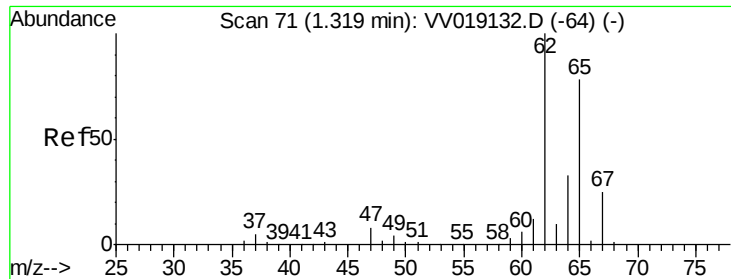
52 38.0 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 2.316 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

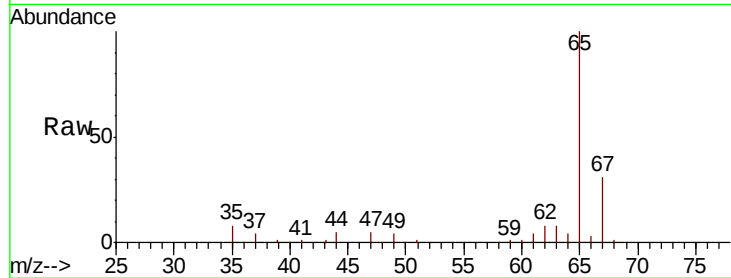
MDL06

Tot Ion: 62 Resp: 4924

Ion Ratio Lower Upper

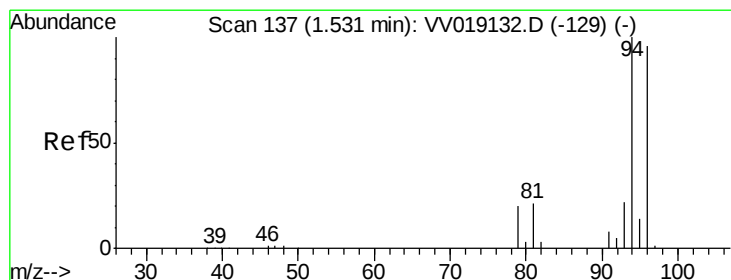
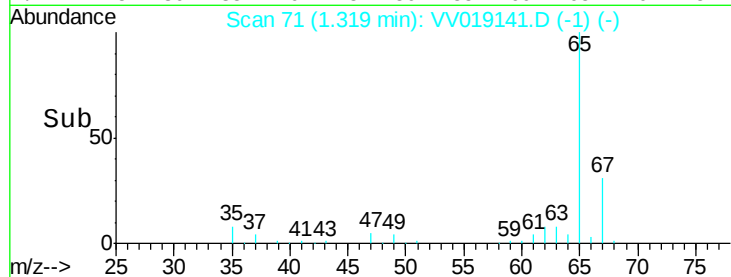
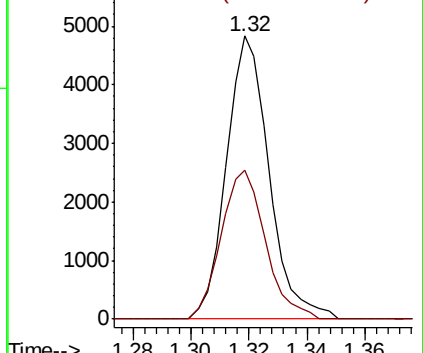
62 100

64 52.5 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.513 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV019141.D

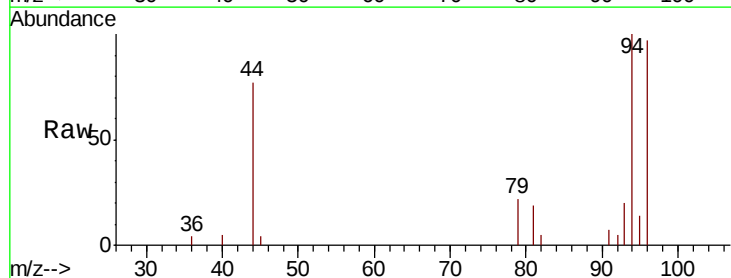
Acq: 28 Oct 2020 17:57

Tgt Ion: 94 Resp: 3057

Ion Ratio Lower Upper

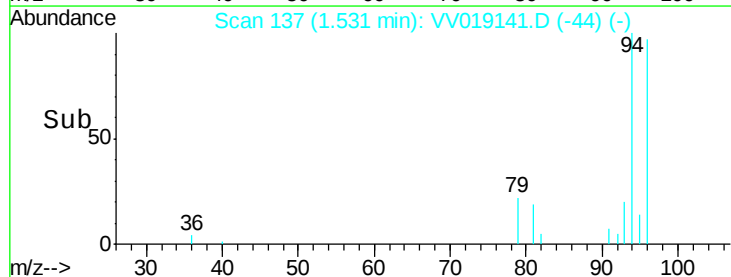
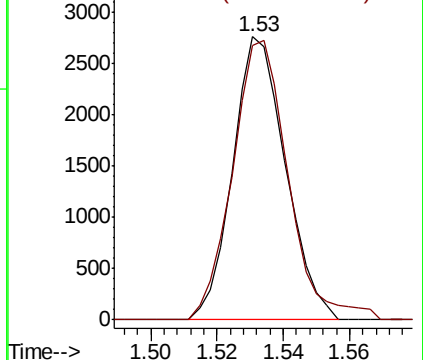
94 100

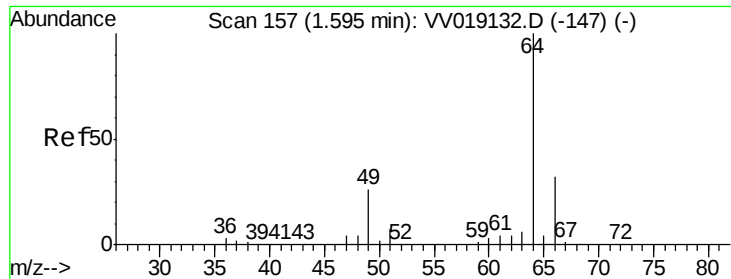
96 97.1 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.344 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

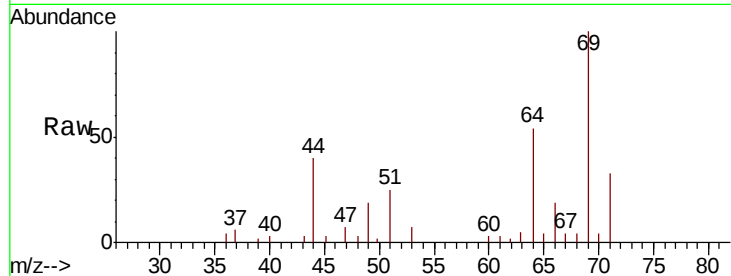
MDL06

Tot Ion: 64 Resp: 3125

Ion Ratio Lower Upper

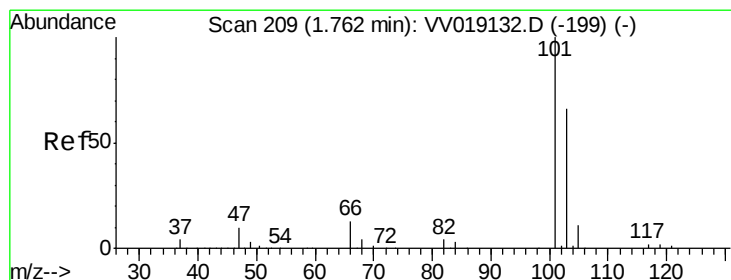
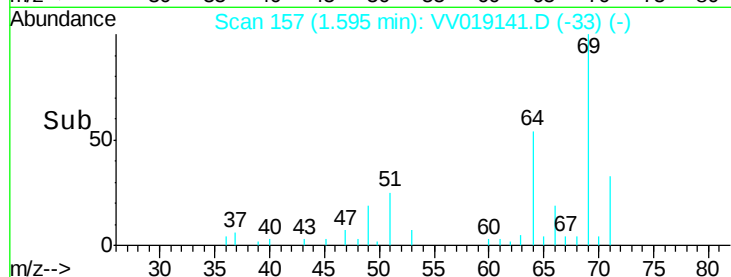
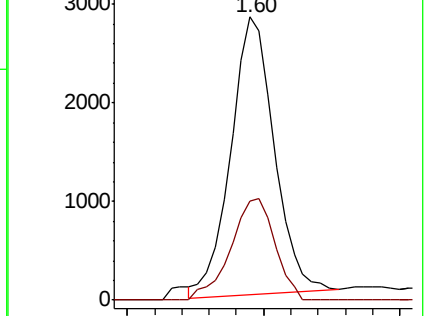
64 100

66 34.9 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 2.566 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019141.D

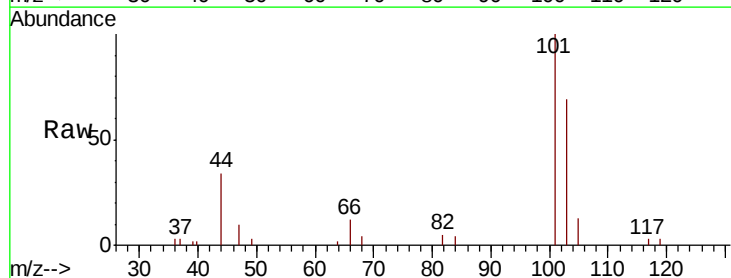
Acq: 28 Oct 2020 17:57

Tgt Ion: 101 Resp: 7175

Ion Ratio Lower Upper

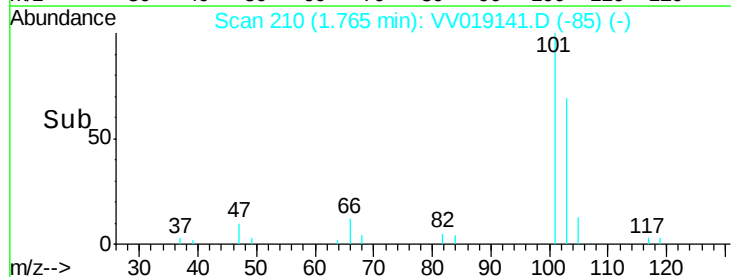
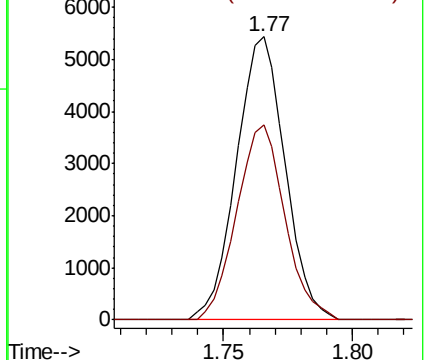
101 100

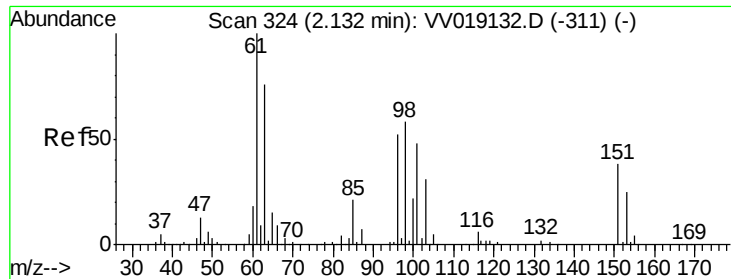
103 68.2 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.768 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

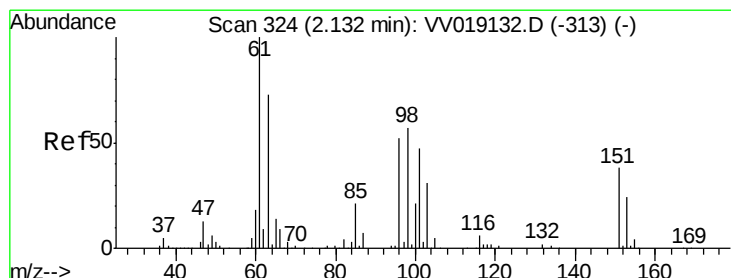
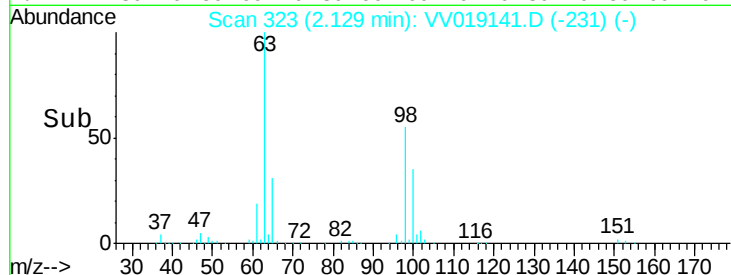
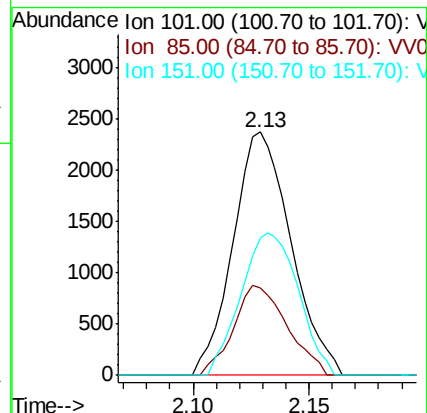
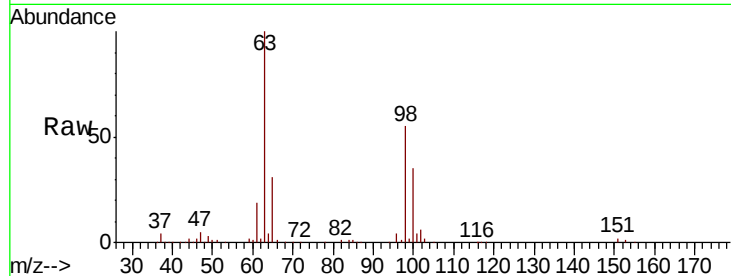
Tot Ion:101 Resp: 4116

Ion Ratio Lower Upper

101 100

85 34.2 36.9 55.3#

151 58.1 58.2 87.2#



#12

1,1-Dichloroethene

Concen: 2.850 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

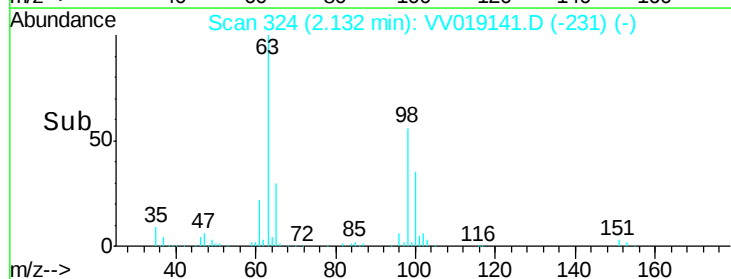
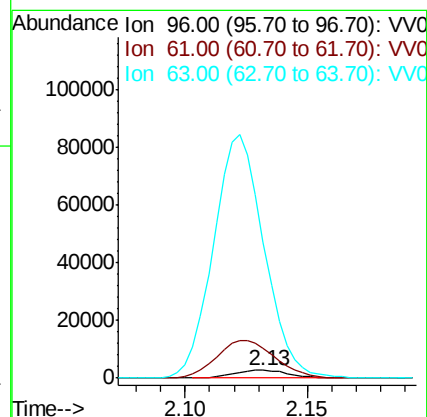
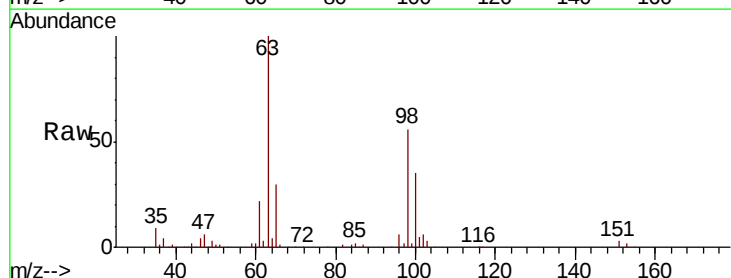
Tgt Ion: 96 Resp: 4240

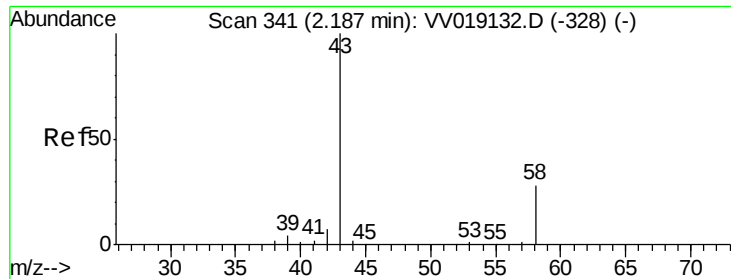
Ion Ratio Lower Upper

96 100

61 373.6 138.7 257.7#

63 1736.8 126.3 234.6#





#13

Acetone

Concen: 5.355 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

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ClientSampleId :

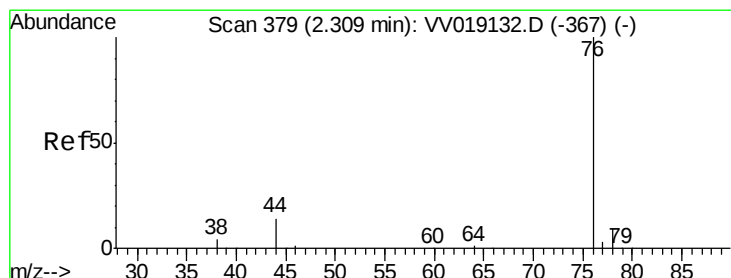
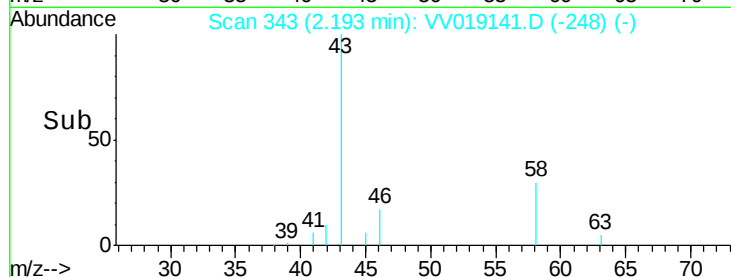
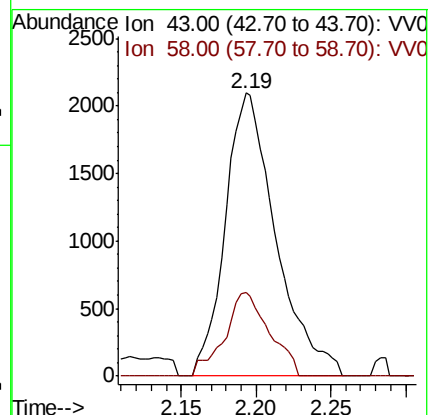
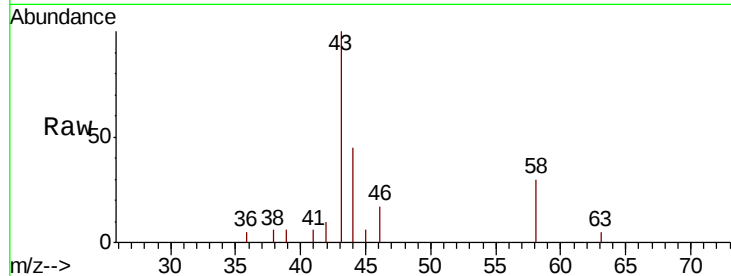
MDL06

Tot Ion: 43 Resp: 4940

Ion Ratio Lower Upper

43 100

58 24.7 0.0 60.2



#14

Carbon disulfide

Concen: 2.139 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019141.D

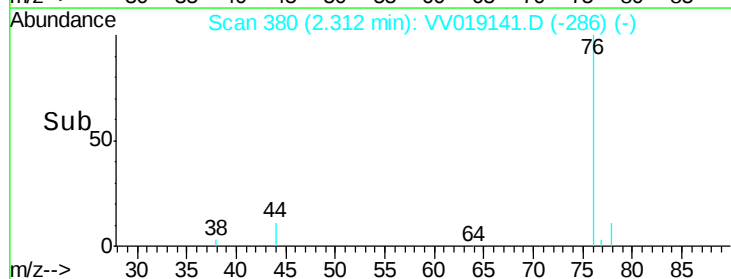
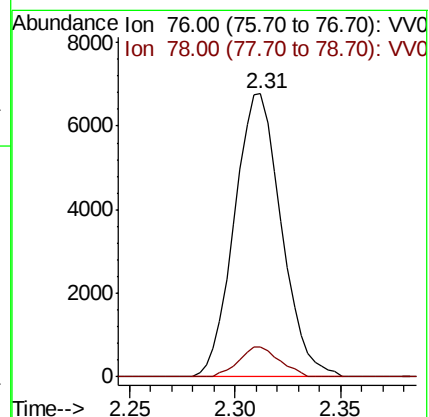
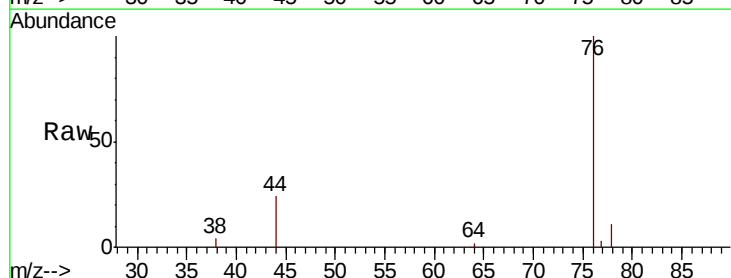
Acq: 28 Oct 2020 17:57

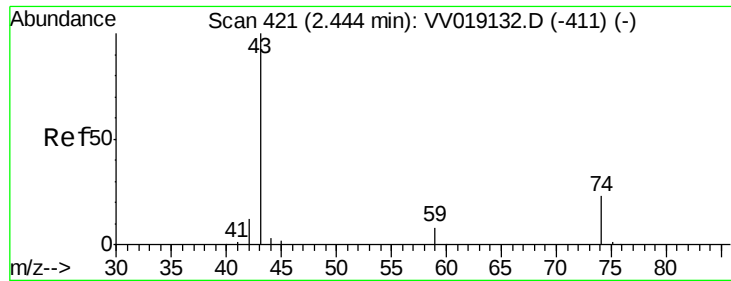
Tgt Ion: 76 Resp: 10493

Ion Ratio Lower Upper

76 100

78 10.8 7.4 11.0





#15

Methvl Acetate

Concen: 1.934 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

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ClientSampleId :

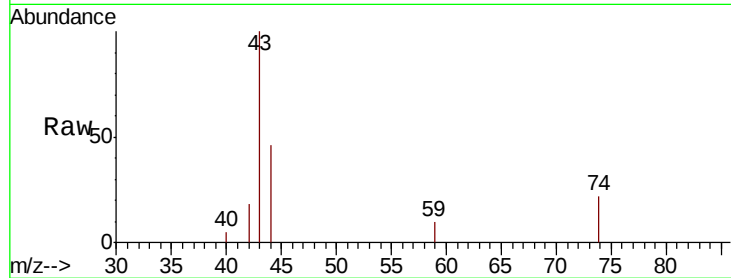
MDL06

Tot Ion: 43 Resp: 3749

Ion Ratio Lower Upper

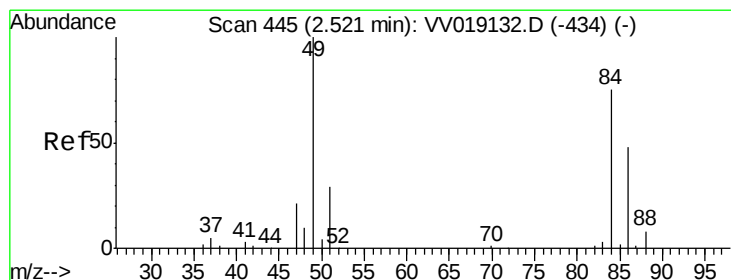
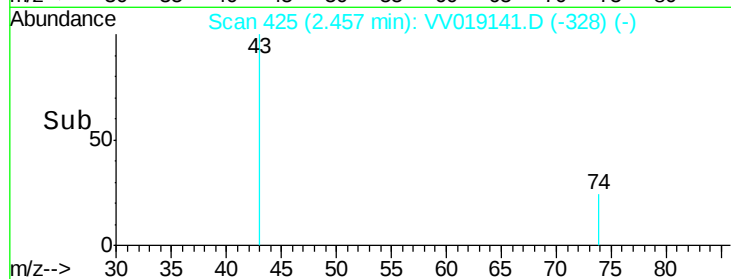
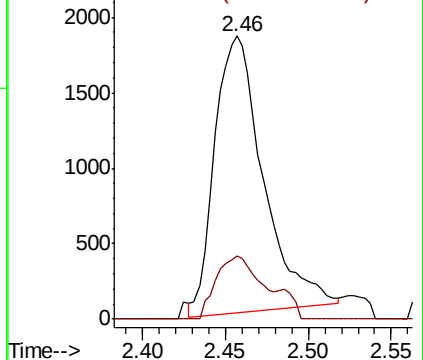
43 100

74 20.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 2.529 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

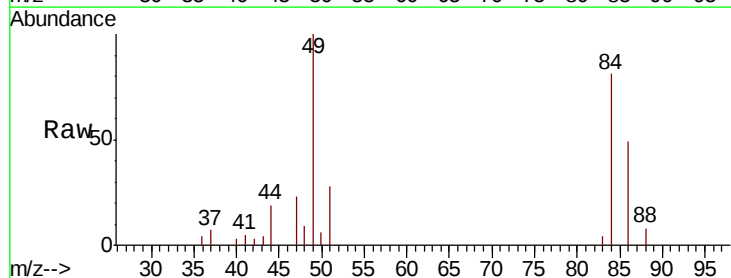
Tgt Ion: 84 Resp: 4385

Ion Ratio Lower Upper

84 100

86 60.3 44.2 82.2

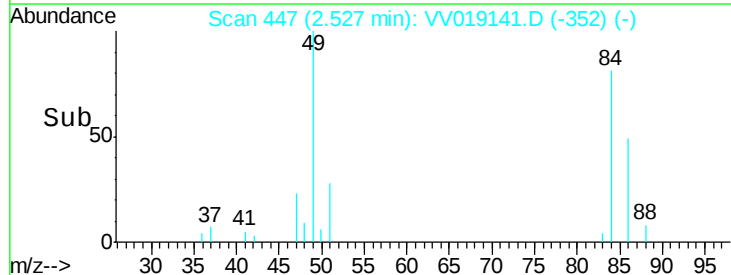
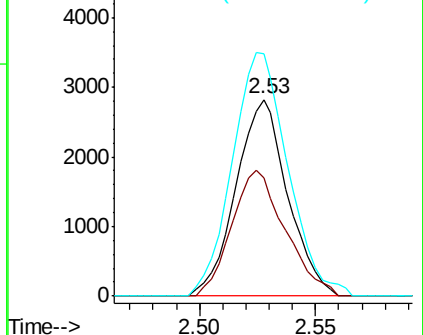
49 123.4 98.0 182.0

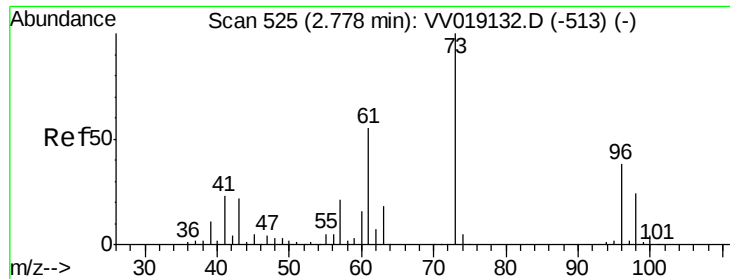


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

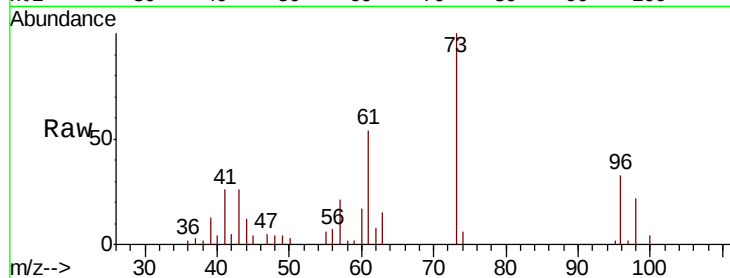




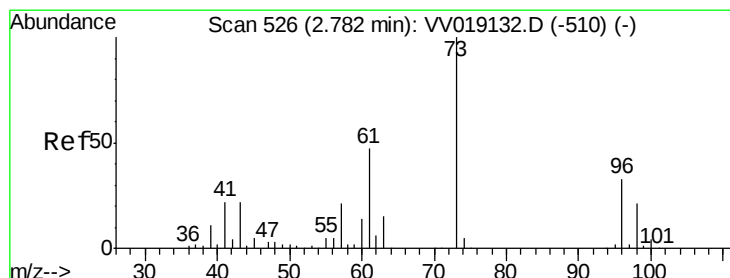
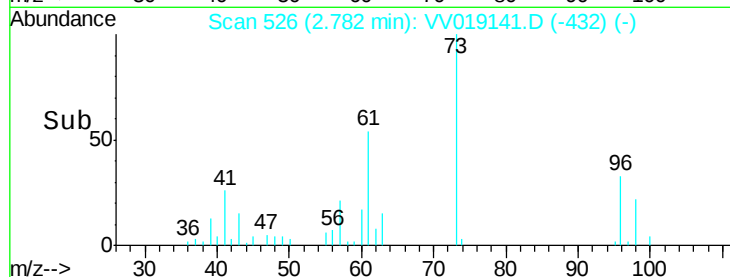
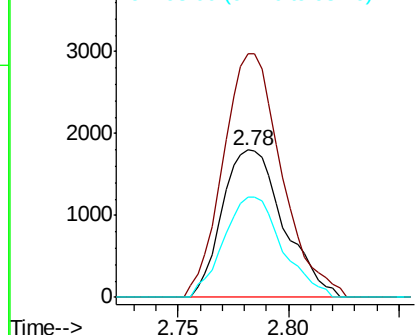
#17
trans-1,2-Dichloroethene
Concen: 2.206 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion: 96 Resp: 3468
Ion Ratio Lower Upper
96 100
61 165.5 108.6 201.8
98 68.4 45.7 84.9

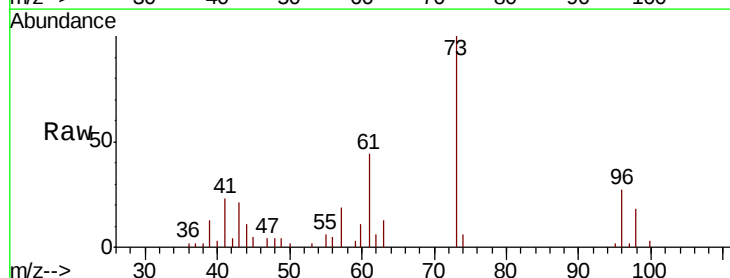


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

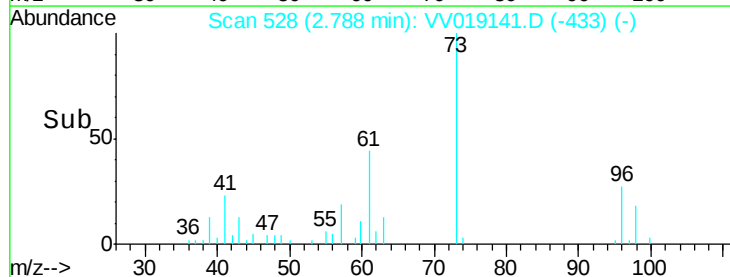
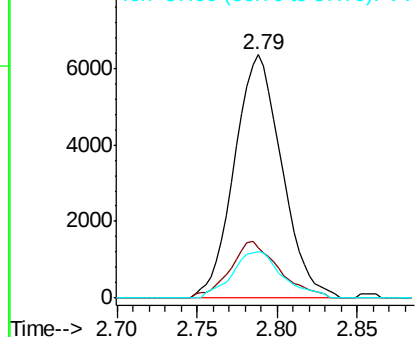


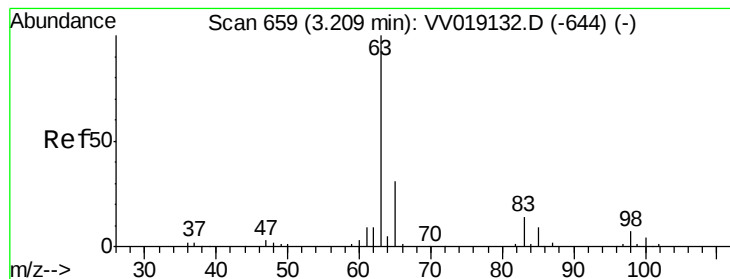
#18
Methyl tert-butyl Ether
Concen: 2.527 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Tgt Ion: 73 Resp: 12883
Ion Ratio Lower Upper
73 100
43 24.0 17.2 25.8
57 20.4 18.5 27.7



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: 2.269 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

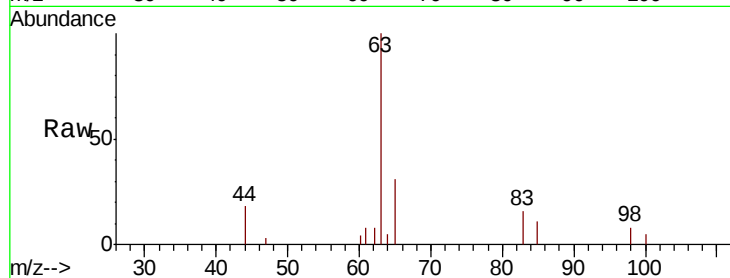
Tot Ion: 63 Resp: 7202

Ion Ratio Lower Upper

63 100

65 31.3 22.7 42.1

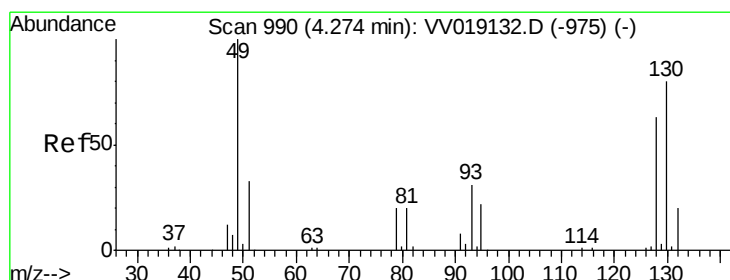
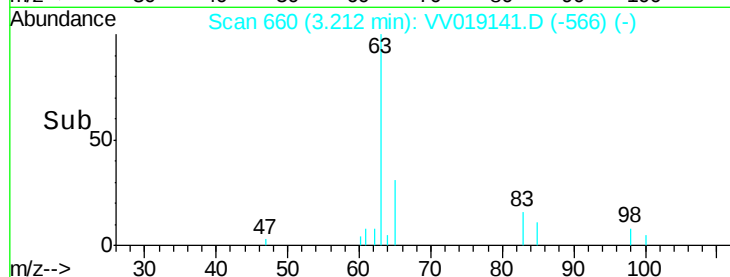
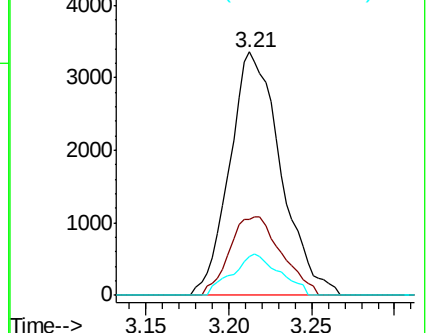
83 16.2 9.0 16.8



Abundance Ion 63.00 (62.70 to 63.70): VV019141.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV019141.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV019141.D (-566) (-)



#23

Bromochloromethane

Concen: 2.379 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Tgt Ion: 128 Resp: 2036

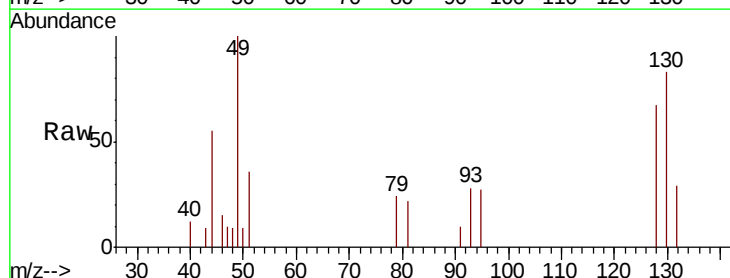
Ion Ratio Lower Upper

128 100

49 148.5 137.1 254.5

130 123.5 92.0 170.9

51 53.4 49.0 73.4

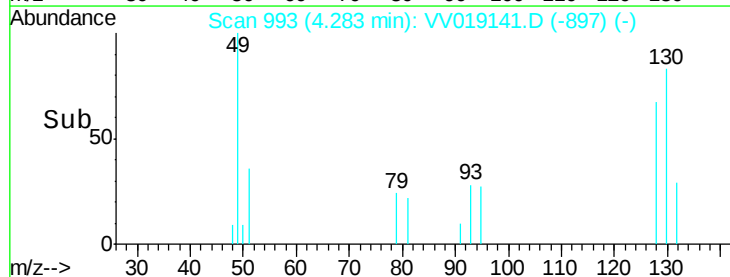
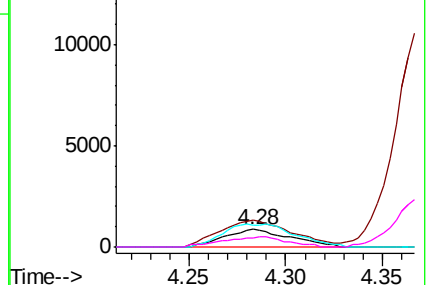


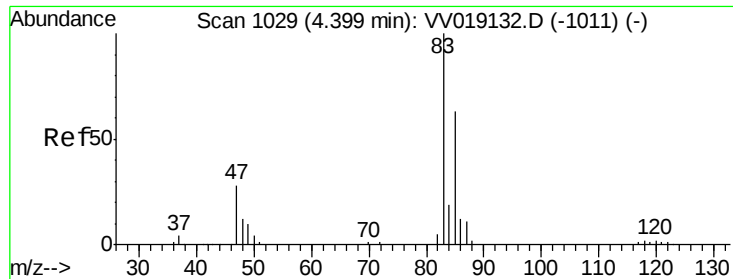
Abundance Ion 128.00 (127.70 to 128.70): VV019141.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV019141.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV019141.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV019141.D (-897) (-)

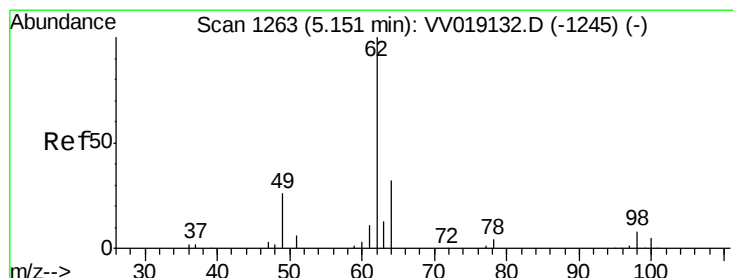
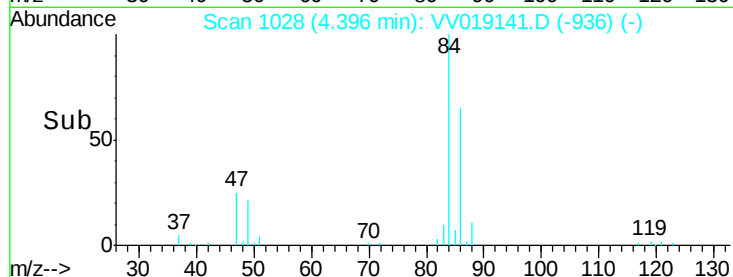
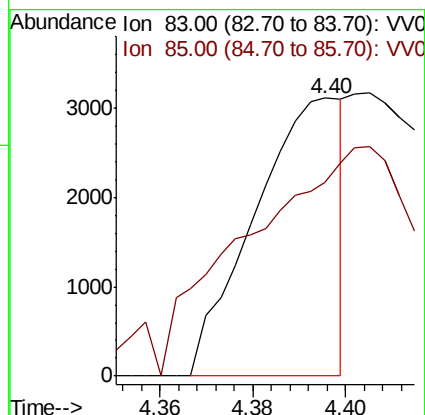
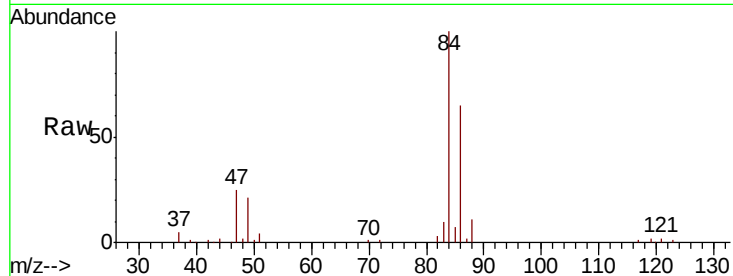




#25
Chloroform
Concen: 1.315 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

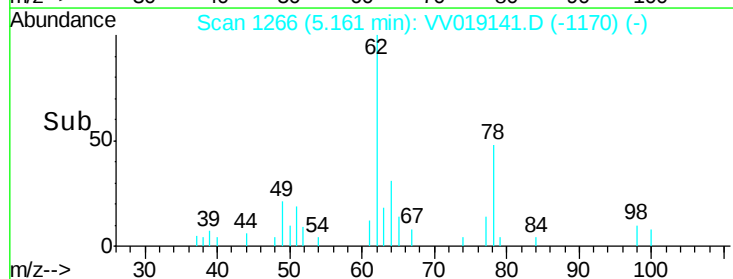
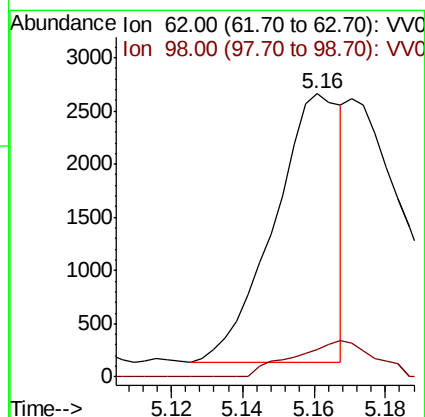
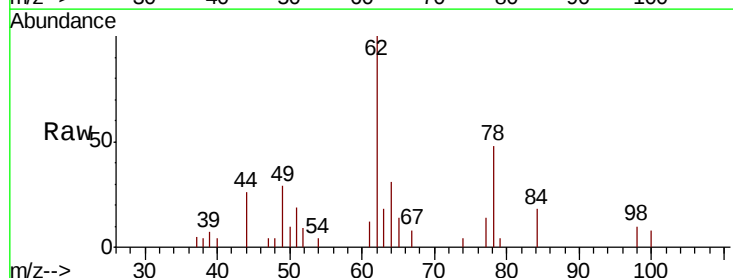
Instrument :
MSVOA_V
ClientSampleId :
MDL06

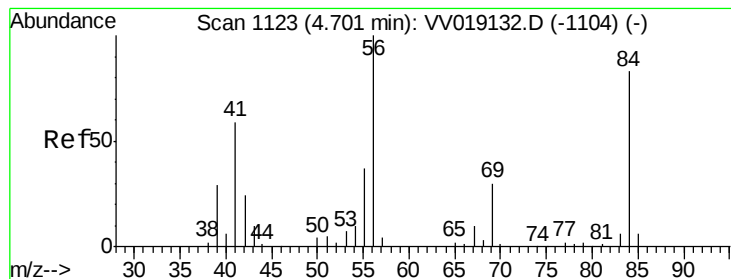
Tot Ion: 83 Resp: 4112
Ion Ratio Lower Upper
83 100
85 69.8 44.5 82.7



#27
1,2-Dichloroethane
Concen: 1.262 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Tgt Ion: 62 Resp: 3275
Ion Ratio Lower Upper
62 100
98 9.7 6.9 10.3





#29

Cyclohexane

Concen: 1.763 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

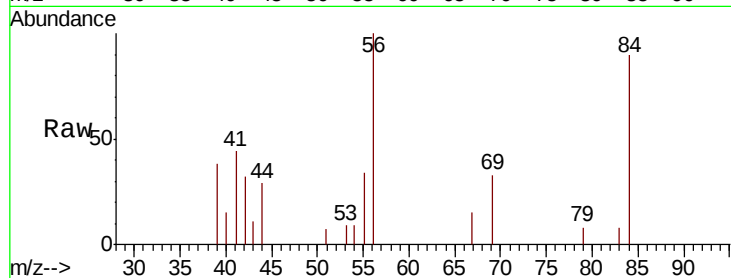
Tot Ion: 56 Resp: 4581

Ion Ratio Lower Upper

56 100

69 17.0 22.7 34.1#

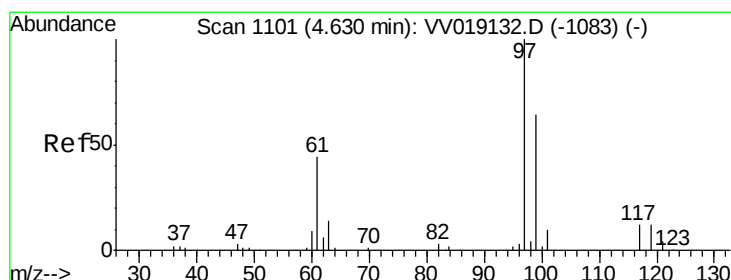
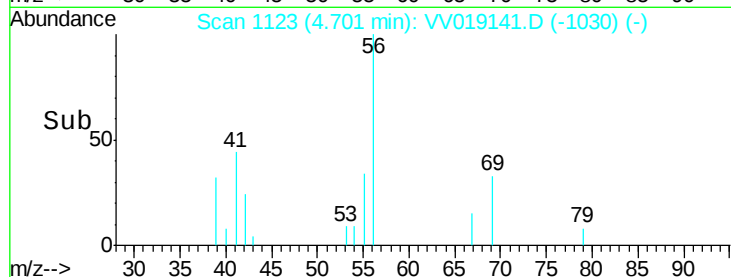
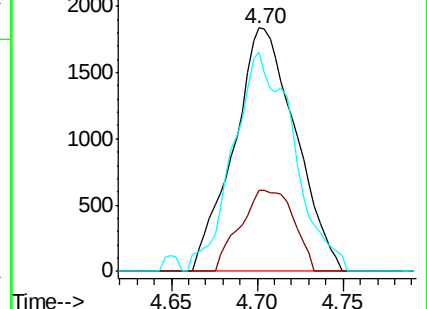
84 59.4 63.5 95.3#



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: 2.612 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

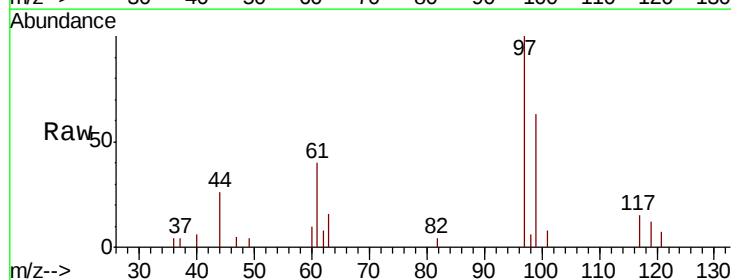
Tgt Ion: 97 Resp: 7058

Ion Ratio Lower Upper

97 100

99 63.4 50.5 75.7

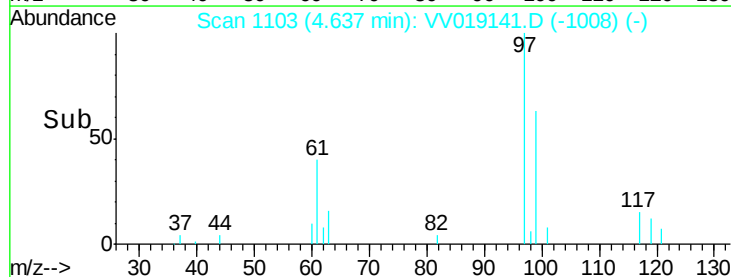
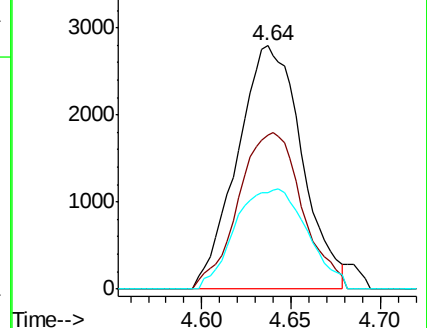
61 45.7 38.1 57.1

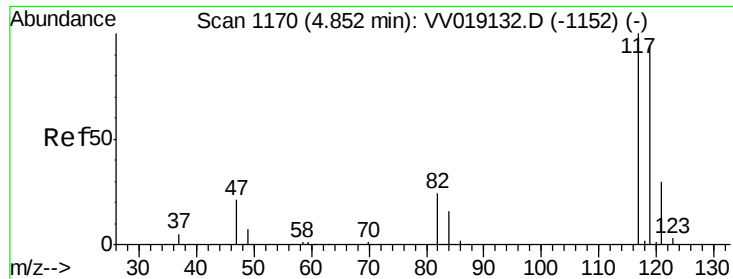


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

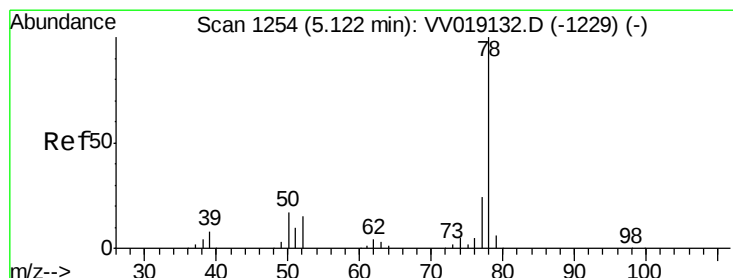
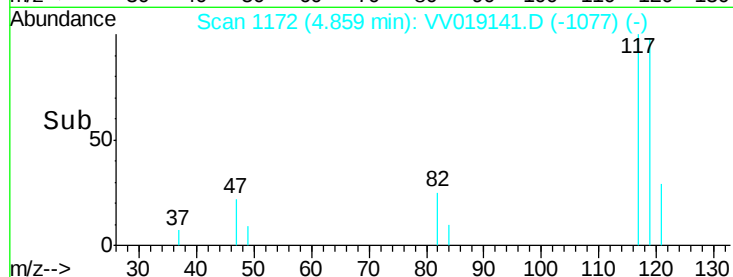
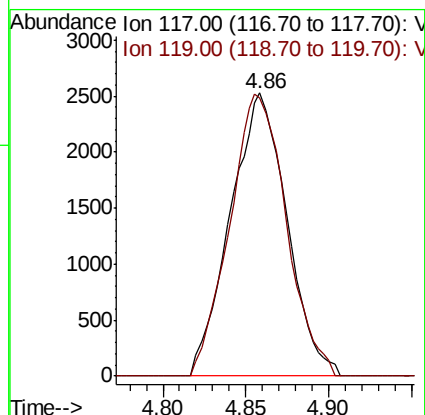
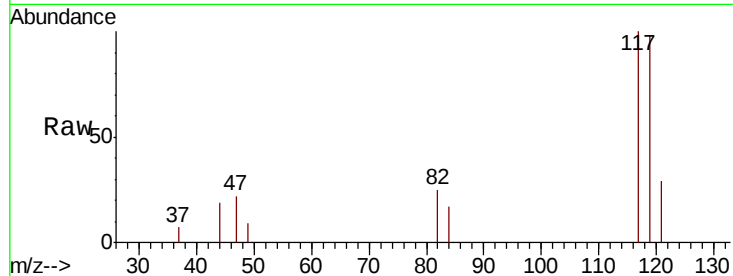




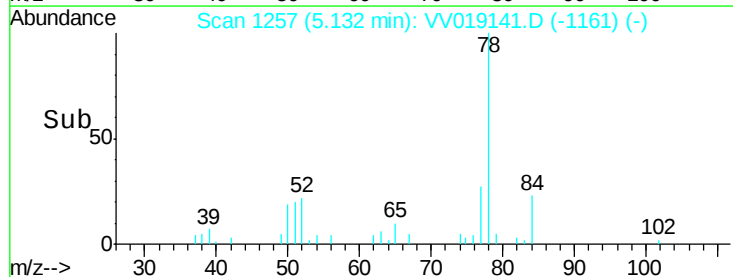
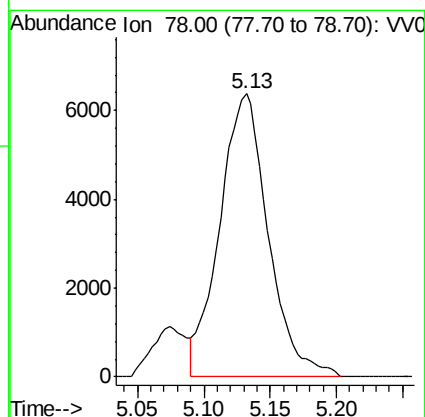
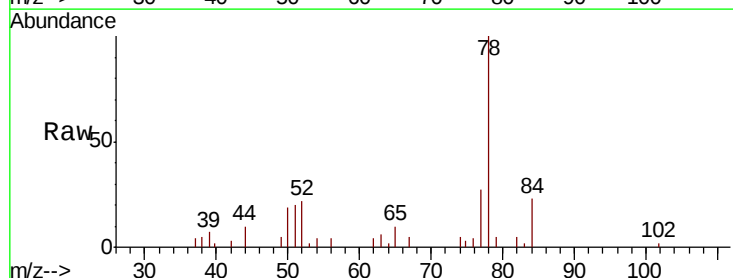
#31
Carbon tetrachloride
Concen: 2.548 ug/L
RT: 4.86 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

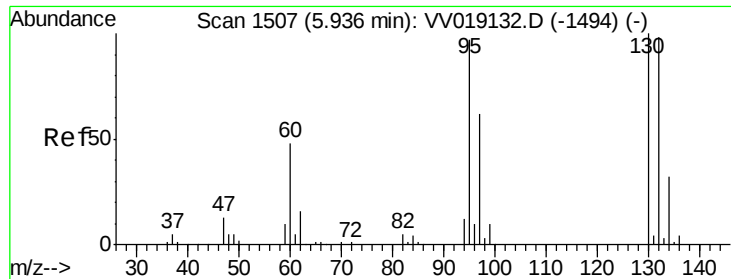
Instrument :
MSVOA_V
ClientSampleId :
MDL06

Tot Ion:117 Resp: 6002
Ion Ratio Lower Upper
117 100
119 99.7 77.2 115.8



#33
Benzene
Concen: 2.437 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57
Tgt Ion: 78 Resp: 16193





#34

Trichloroethene

Concen: 2.434 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 95 Resp: 4086

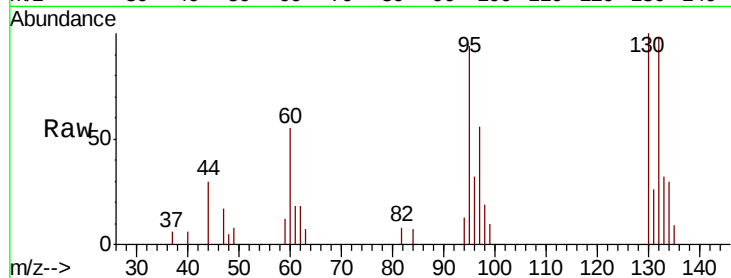
Ion Ratio Lower Upper

95 100

97 59.1 44.6 82.8

132 104.3 66.0 122.6

130 106.5 67.6 125.6

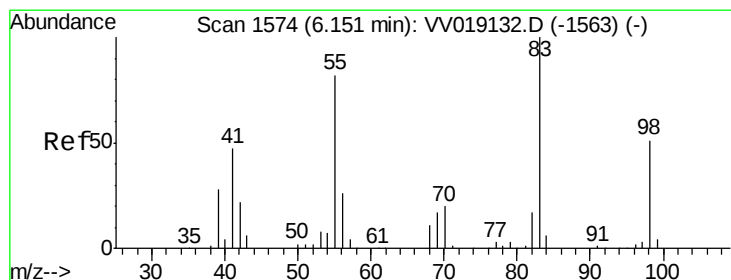
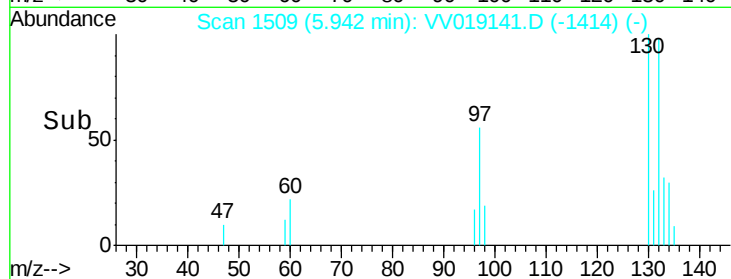
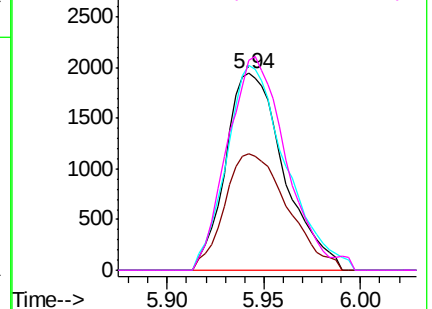


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.715 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

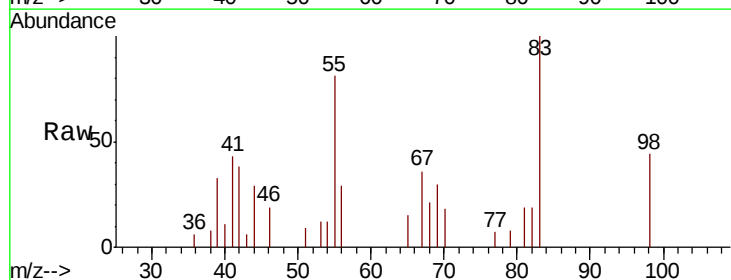
Tgt Ion: 83 Resp: 3939

Ion Ratio Lower Upper

83 100

55 75.9 68.1 102.1

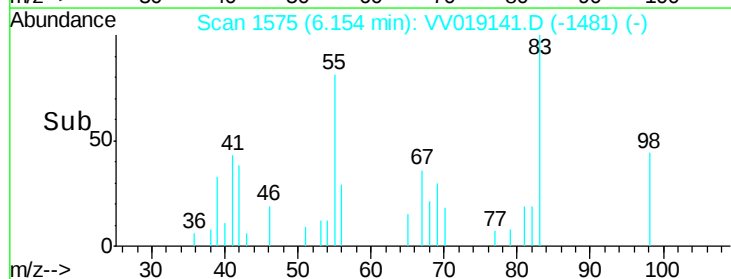
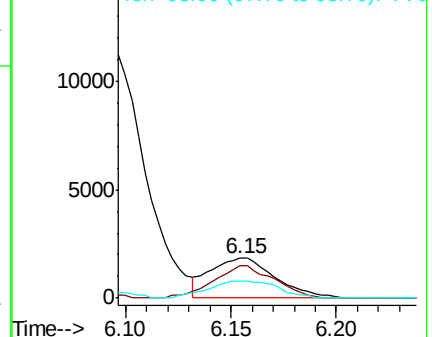
98 45.8 37.9 56.9

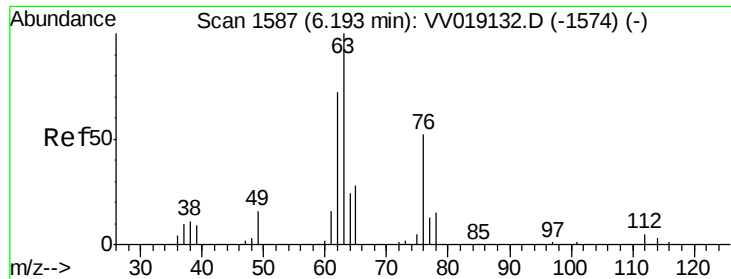


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

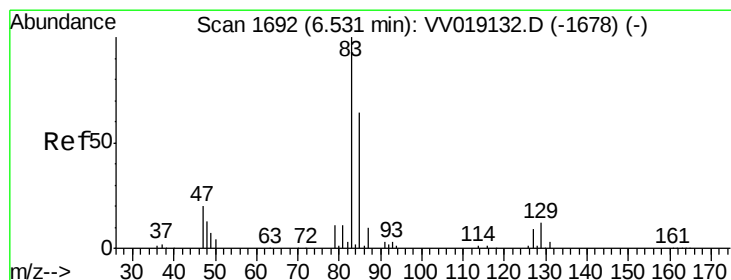
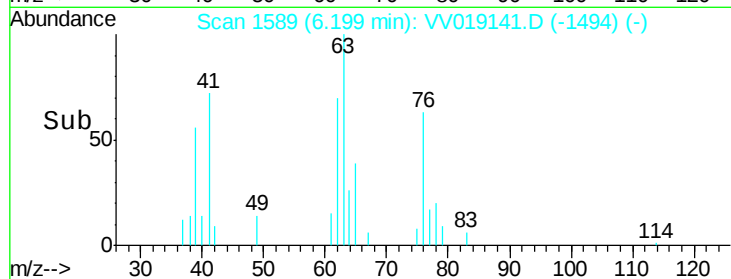
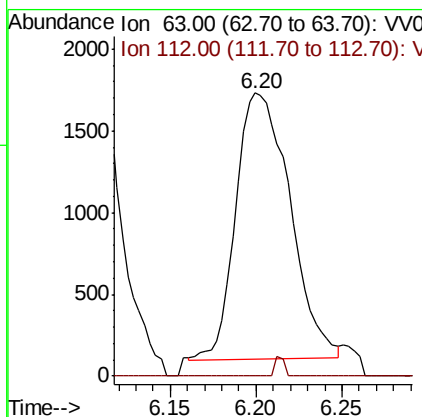
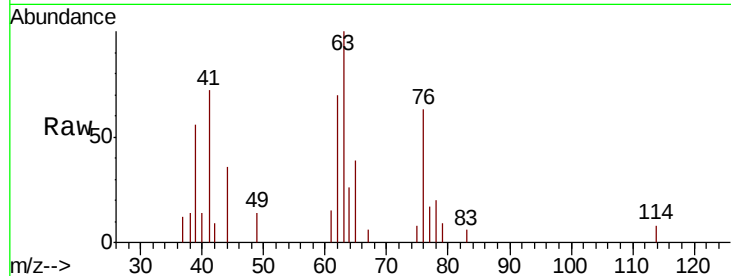




#37
 1,2-Dichloropropane
 Concen: 1.940 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.01 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

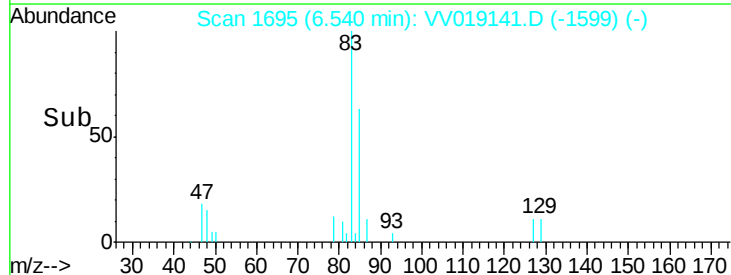
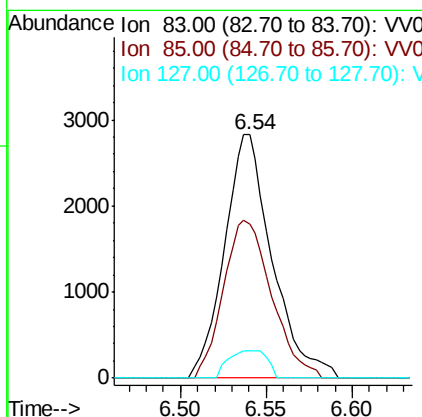
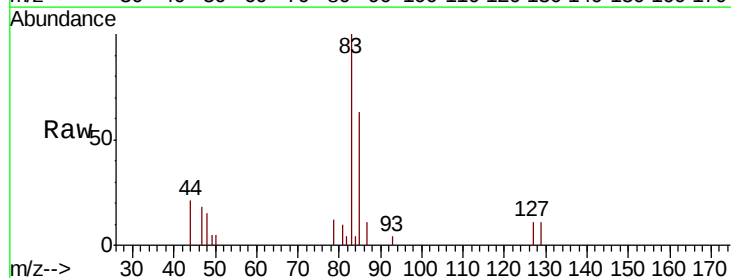
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

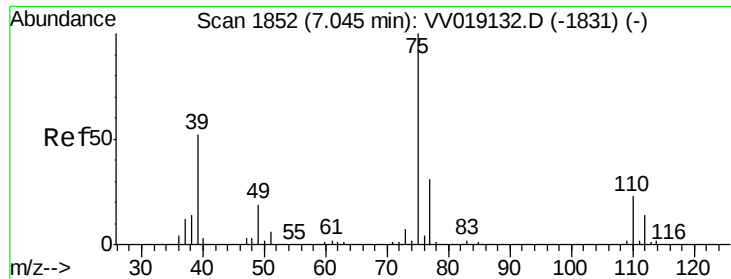
Tot Ion: 63 Resp: 3548
 Ion Ratio Lower Upper
 63 100
 112 1.2 3.5 5.3#



#38
 Bromodichloromethane
 Concen: 2.354 ug/L
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.01 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

Tgt Ion: 83 Resp: 5449
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.9 83.3
 127 11.4 7.0 10.4#

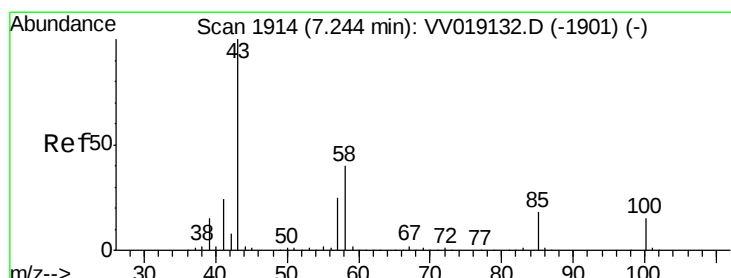
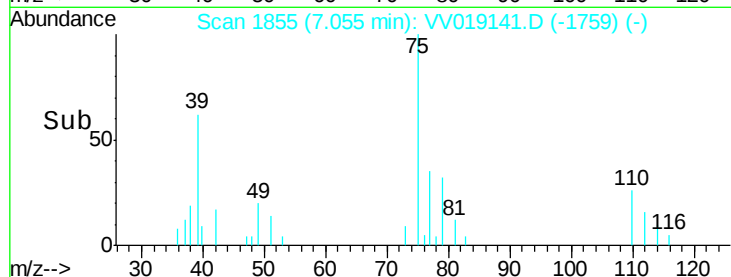
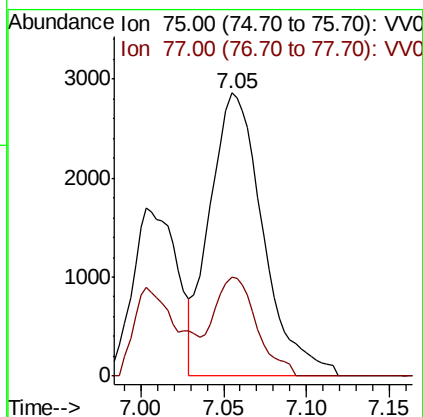
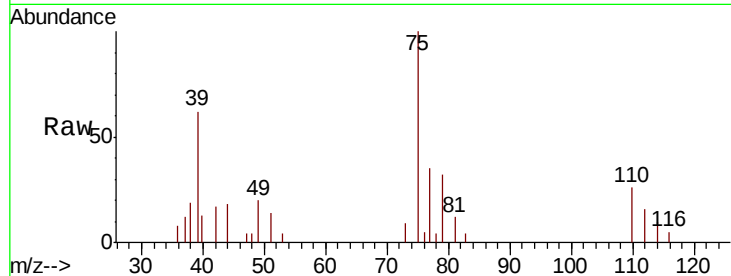




#39
 cis-1,3-Dichloropropene
 Concen: 2.362 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

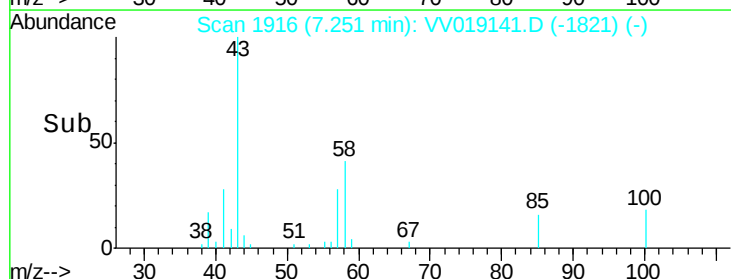
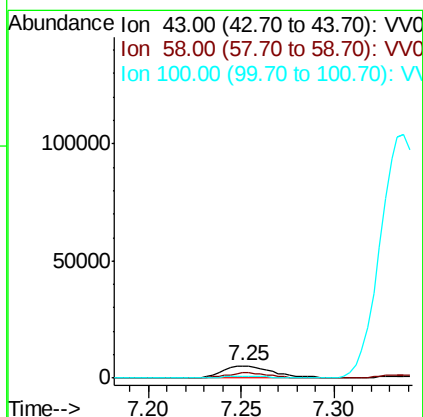
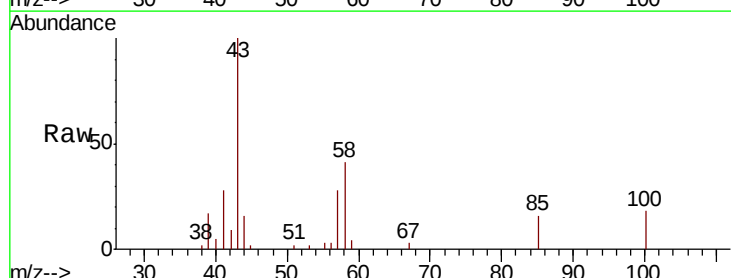
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

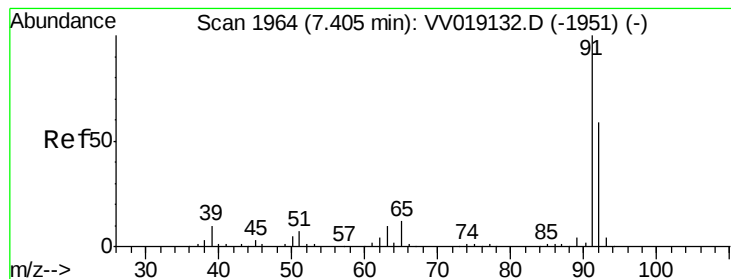
Tot Ion: 75 Resp: 6385
 Ion Ratio Lower Upper
 75 100
 77 34.9 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 4.039 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

Tgt Ion: 43 Resp: 9968
 Ion Ratio Lower Upper
 43 100
 58 39.1 29.6 44.4
 100 15.4 10.9 16.3





#42

Toluene

Concen: 2.463 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

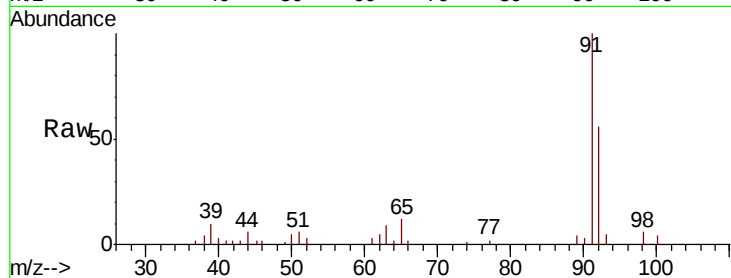
MDL06

Tot Ion: 91 Resp: 16801

Ion Ratio Lower Upper

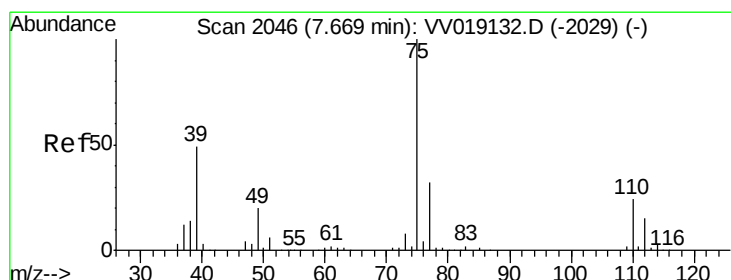
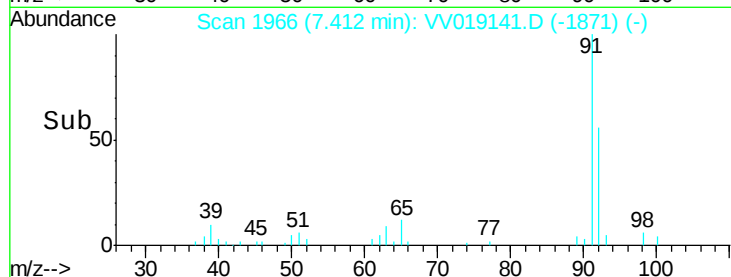
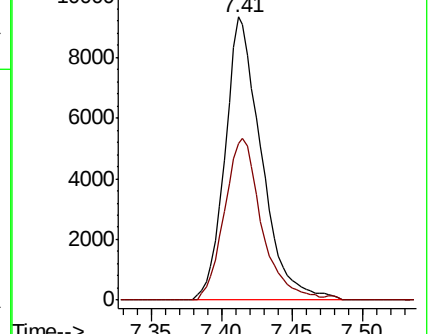
91 100

92 55.5 40.9 76.0



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: 2.344 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019141.D

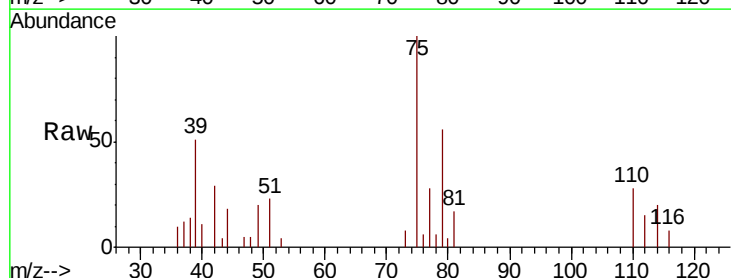
Acq: 28 Oct 2020 17:57

Tgt Ion: 75 Resp: 6287

Ion Ratio Lower Upper

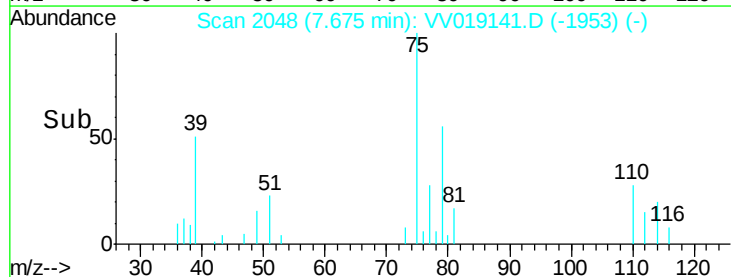
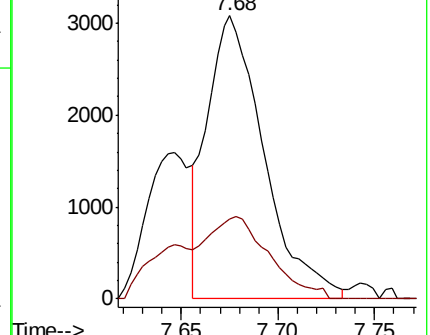
75 100

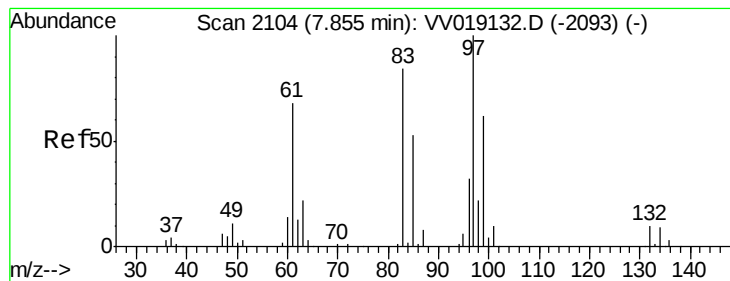
77 28.1 21.5 39.9



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: 2.357 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

Tot Ion: 97 Resp: 3808

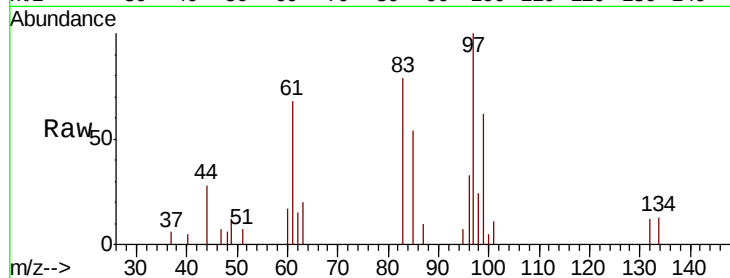
Ion Ratio Lower Upper

97 100

99 62.5 43.5 80.9

83 78.9 62.2 115.4

85 54.2 39.9 74.1

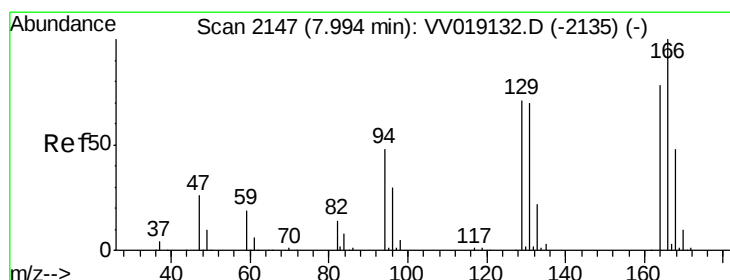
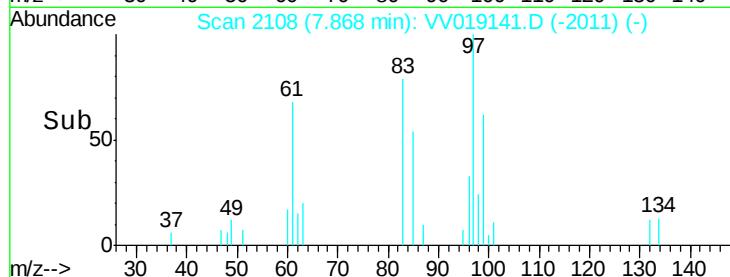
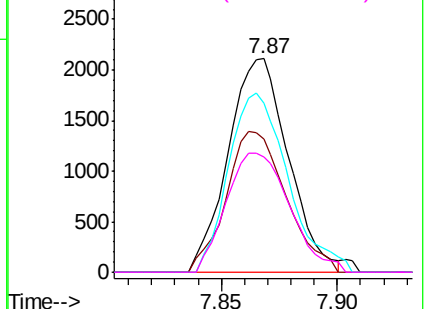


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 2.822 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Tgt Ion: 164 Resp: 3636

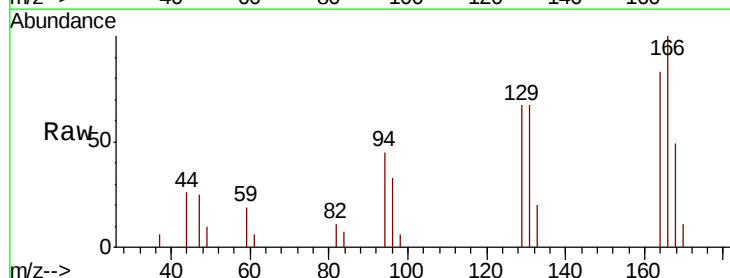
Ion Ratio Lower Upper

164 100

129 80.6 65.5 121.6

131 81.5 62.4 115.8

166 120.9 90.0 167.2

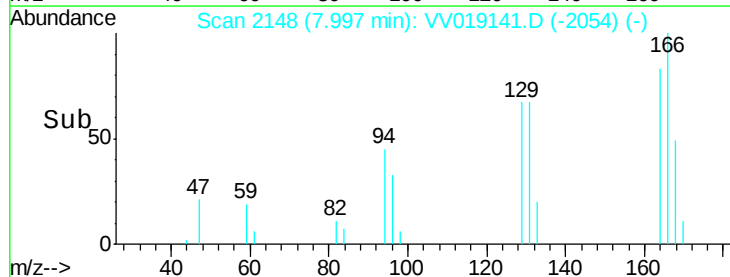
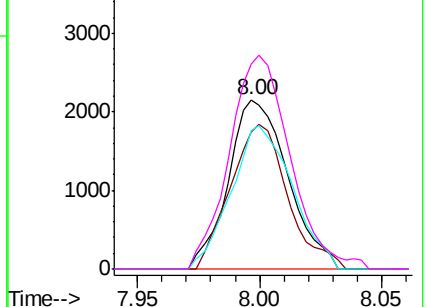


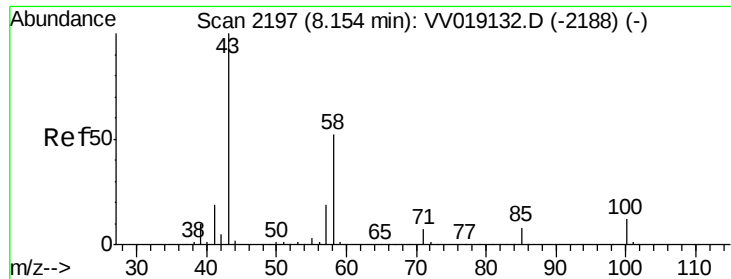
Abundance Ion 164.00 (163.70 to 164.70): V

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

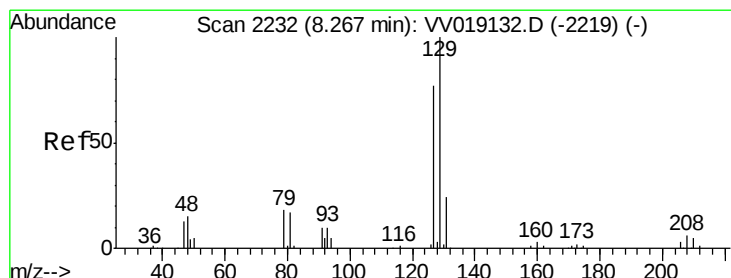
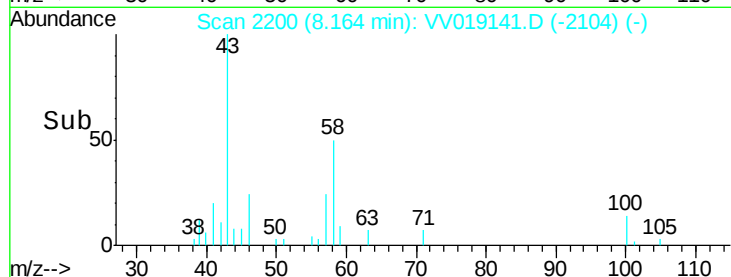
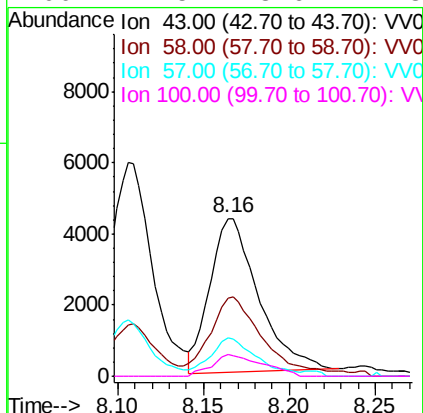
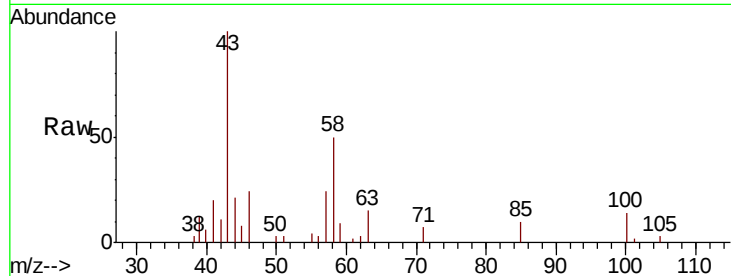




#48
2-Hexanone
Concen: 4.454 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

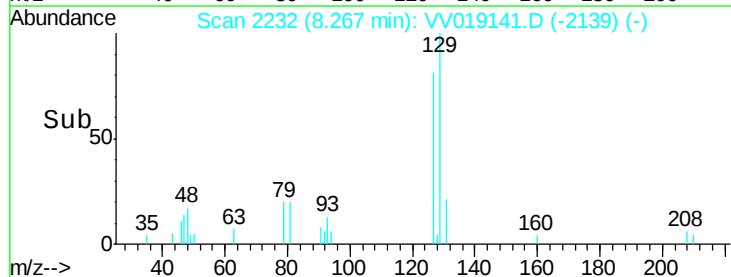
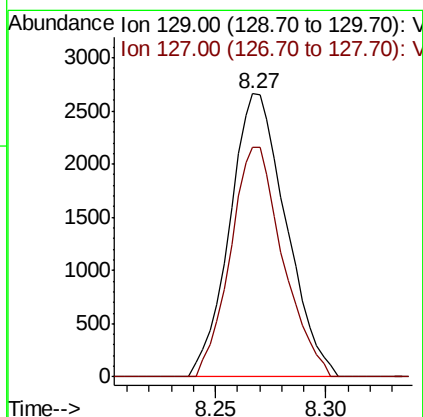
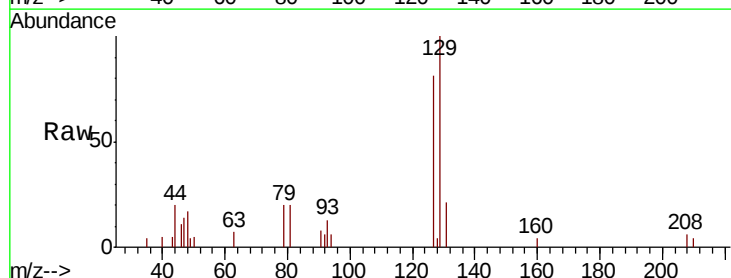
Instrument :
MSVOA_V
ClientSampleId :
MDL06

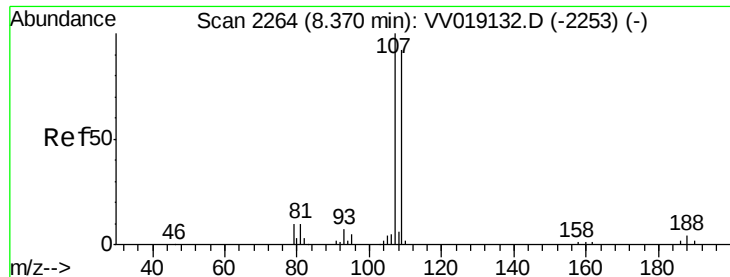
Tot Ion: 43 Resp: 8482
Ion Ratio Lower Upper
43 100
58 56.4 41.1 61.7
57 24.4 14.7 22.1#
100 14.5 8.6 12.8#



#49
Dibromochloromethane
Concen: 2.663 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Tgt Ion: 129 Resp: 4702
Ion Ratio Lower Upper
129 100
127 81.2 53.7 99.7

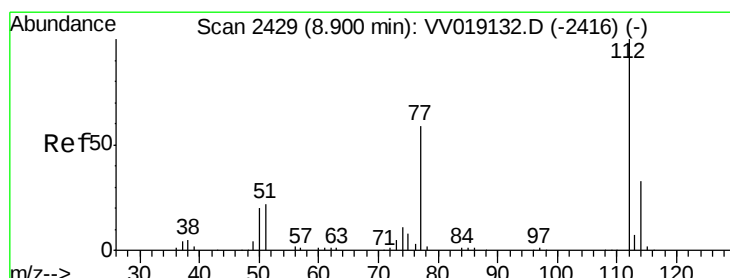
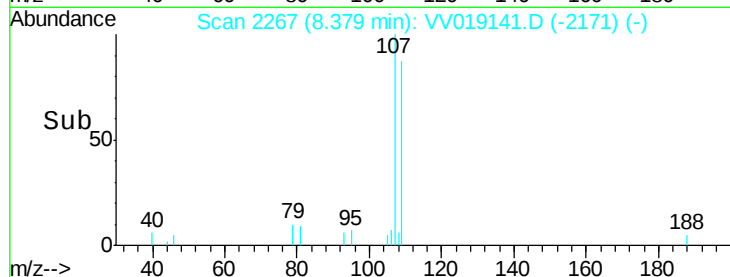
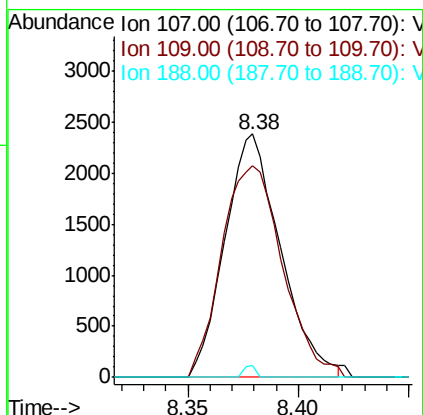
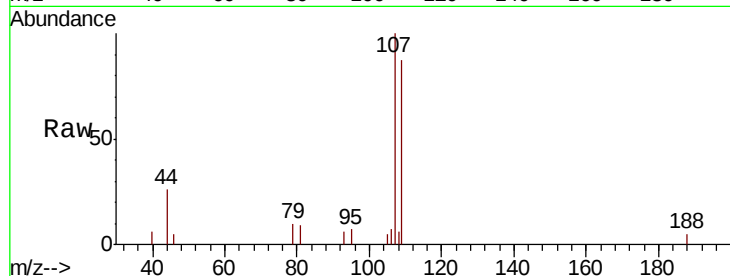




#50
1,2-Dibromoethane
Concen: 2.489 ug/L
RT: 8.38 min Scan# 2267
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

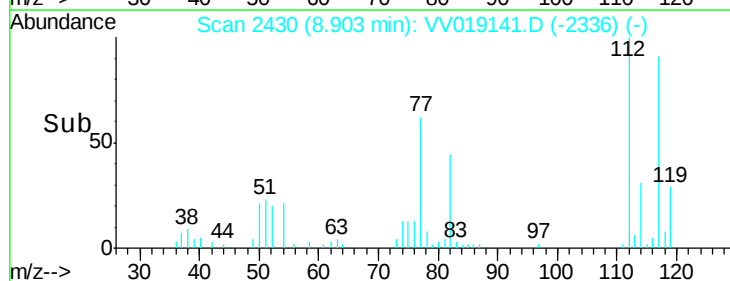
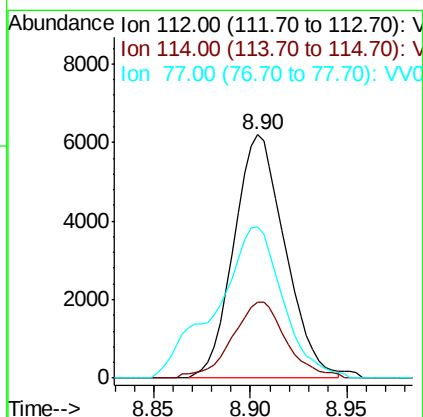
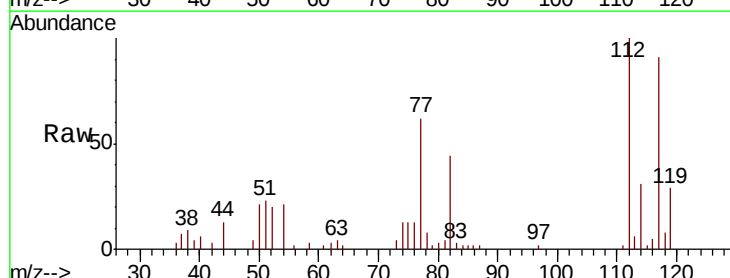
Instrument :
MSVOA_V
ClientSampleId :
MDL06

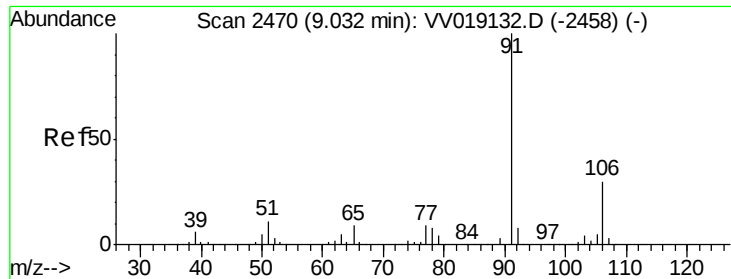
Tot Ion:107 Resp: 4173
Ion Ratio Lower Upper
107 100
109 86.7 66.1 122.7
188 4.7 3.2 4.8



#51
Chlorobenzene
Concen: 2.613 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Tgt Ion:112 Resp: 11428
Ion Ratio Lower Upper
112 100
114 31.0 22.2 41.2
77 62.4 49.1 73.7





#52

Ethylbenzene

Concen: 2.327 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

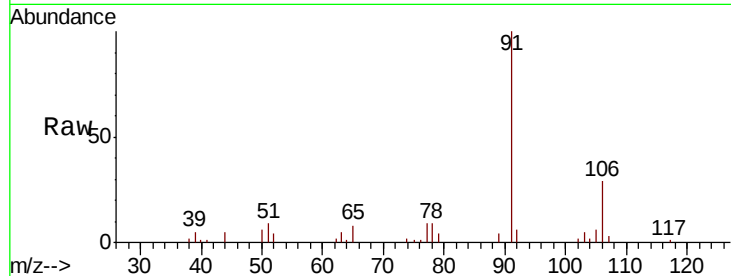
MDL06

Tot Ion: 91 Resp: 17158

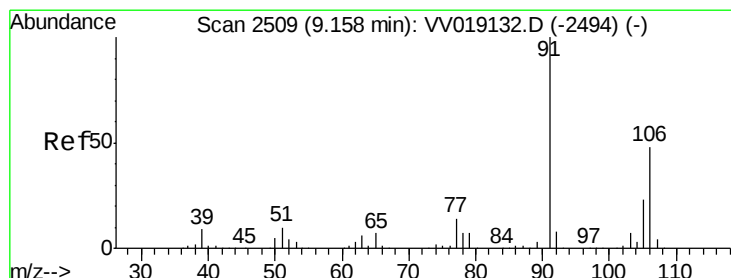
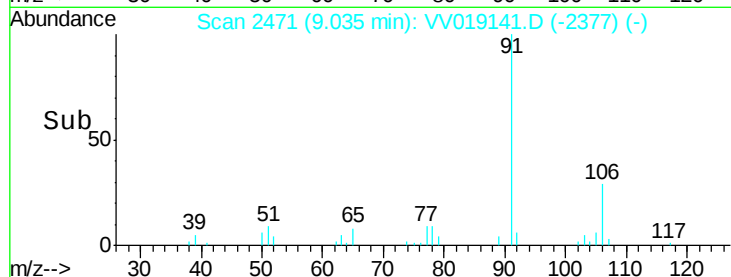
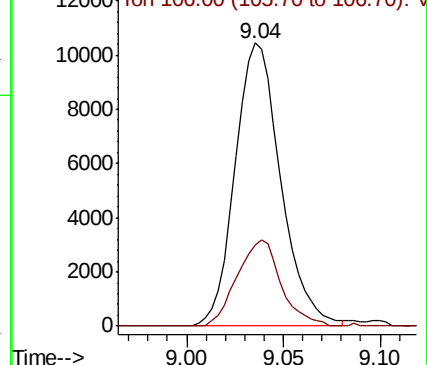
Ion Ratio Lower Upper

91 100

106 28.6 20.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VV019141.D (-2377) (-)



#53

m,p-Xylene

Concen: 2.322 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019141.D

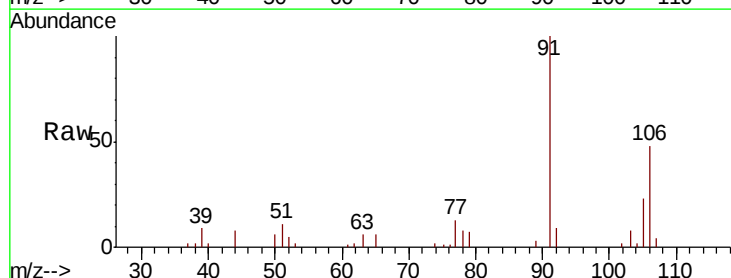
Acq: 28 Oct 2020 17:57

Tgt Ion: 106 Resp: 6270

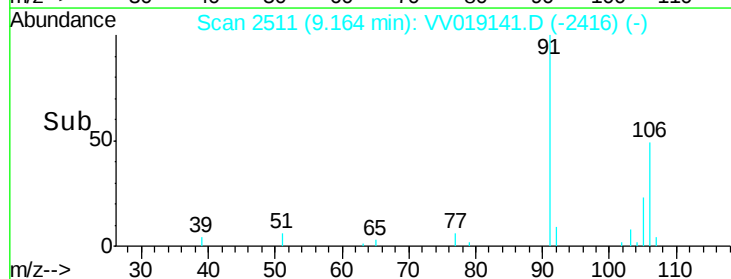
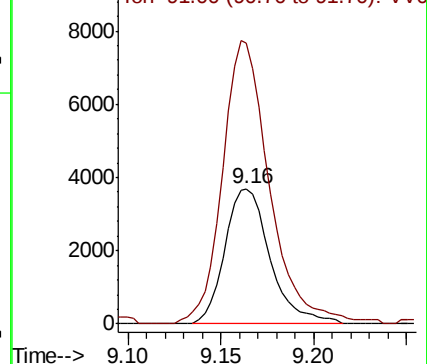
Ion Ratio Lower Upper

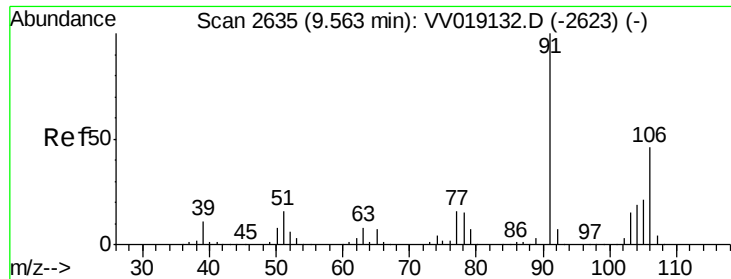
106 100

91 208.0 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): VV019141.D (-2416) (-)

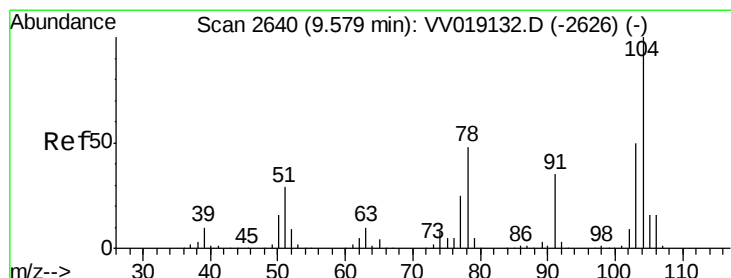
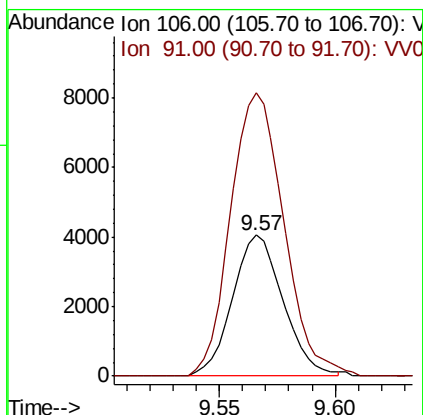
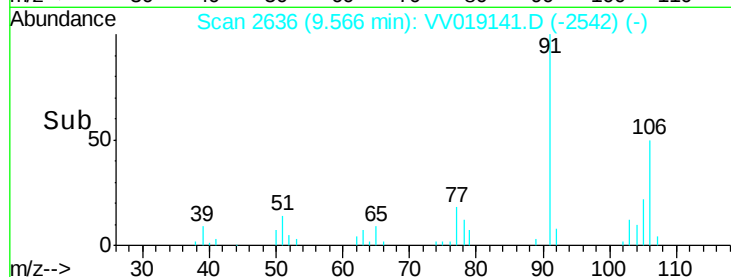
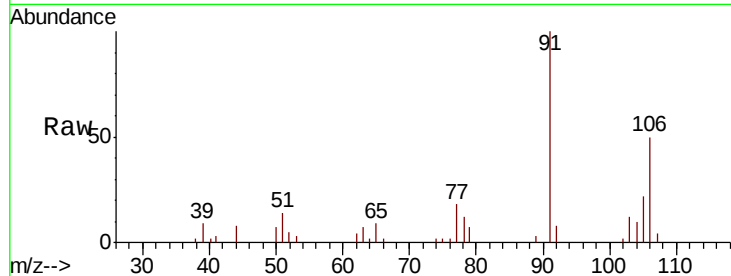




#54
o-xylene
Concen: 2.366 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

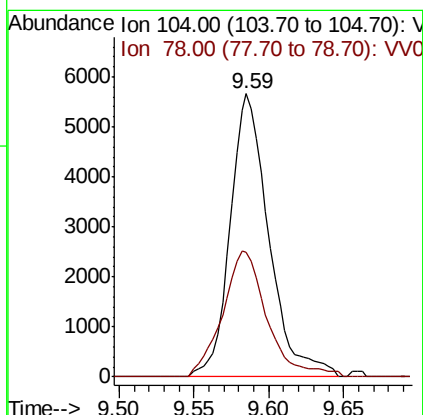
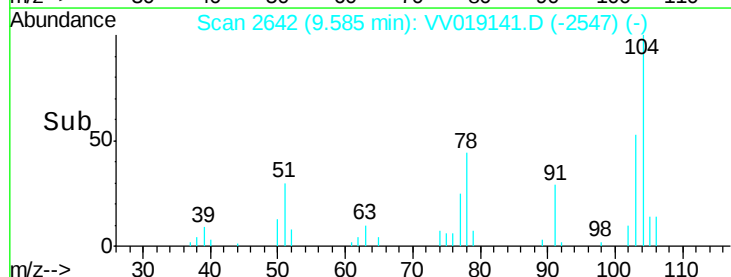
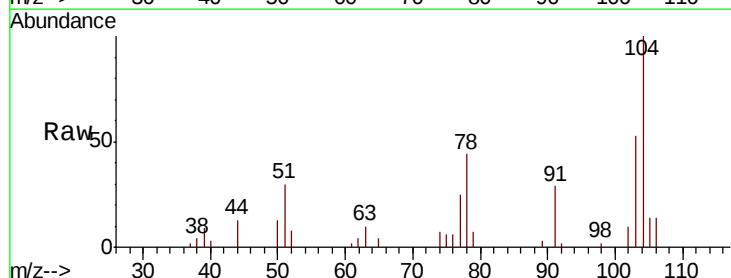
Instrument :
MSVOA_V
ClientSampled :
MDL06

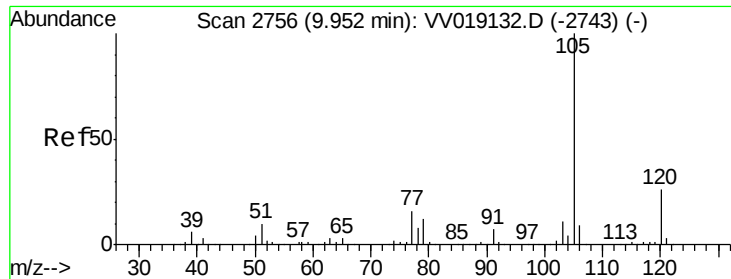
Tot Ion:106 Resp: 6149
Ion Ratio Lower Upper
106 100
91 200.6 154.3 286.5



#55
Styrene
Concen: 2.215 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019141.D
Acq: 28 Oct 2020 17:57

Tgt Ion:104 Resp: 10212
Ion Ratio Lower Upper
104 100
78 44.2 33.2 61.7





#56

Isopropylbenzene

Concen: 2.259 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleID :

MDL06

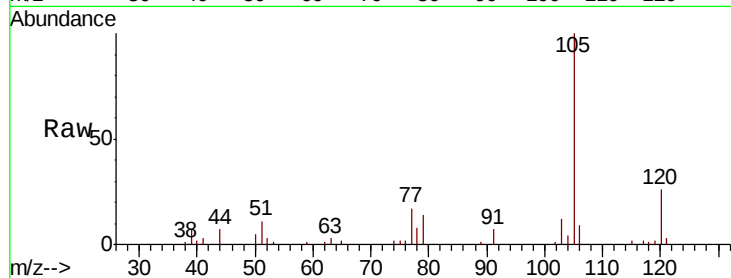
Tot Ion:105 Resp: 15439

Ion Ratio Lower Upper

105 100

120 27.8 20.6 31.0

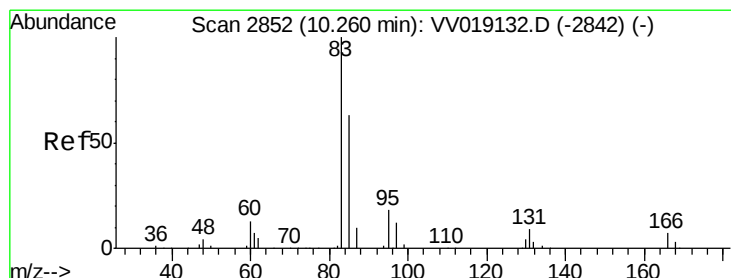
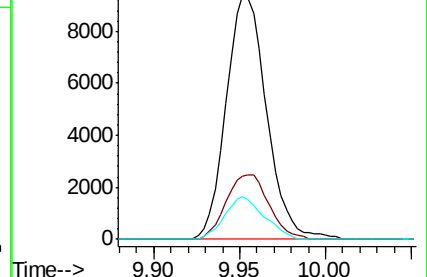
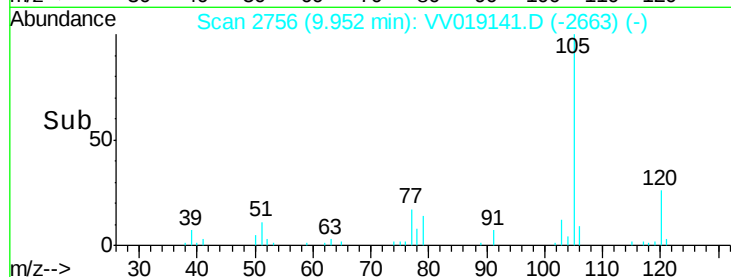
77 16.9 13.4 20.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.401 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

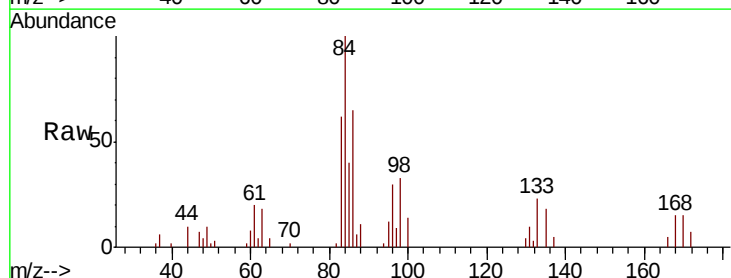
Tgt Ion: 83 Resp: 6383

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.2

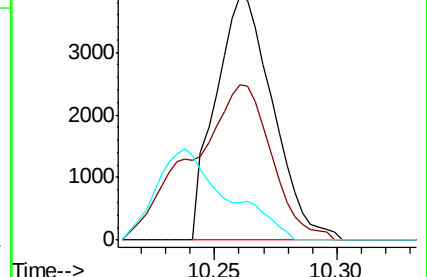
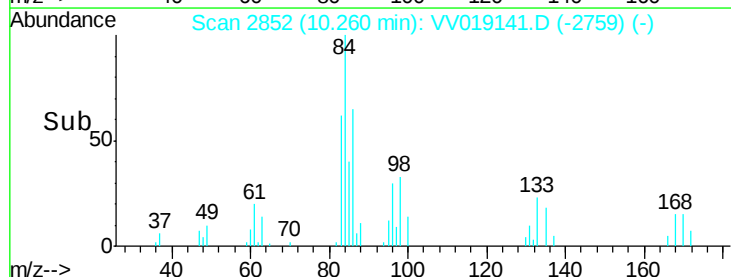
131 15.7 7.4 11.2#

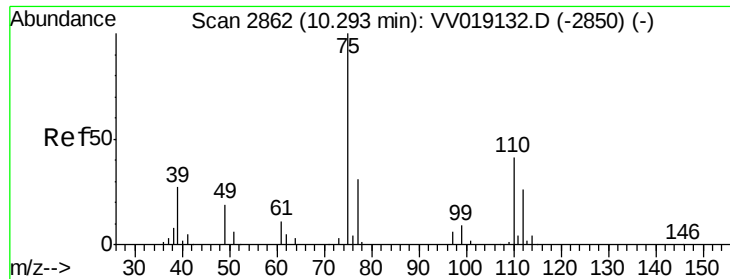


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.399 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

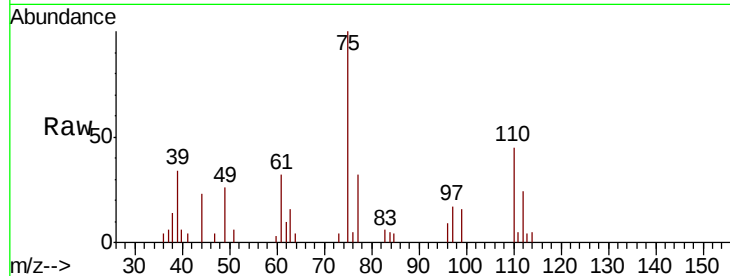
MDL06

Tot Ion: 75 Resp: 5131

Ion Ratio Lower Upper

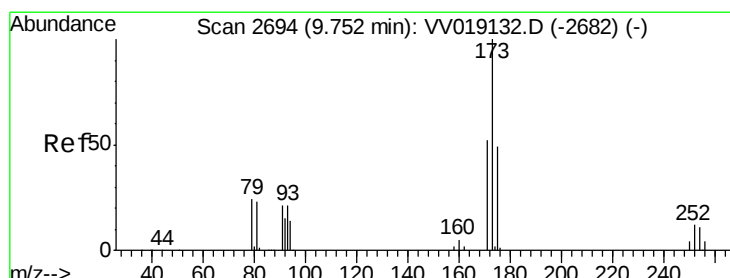
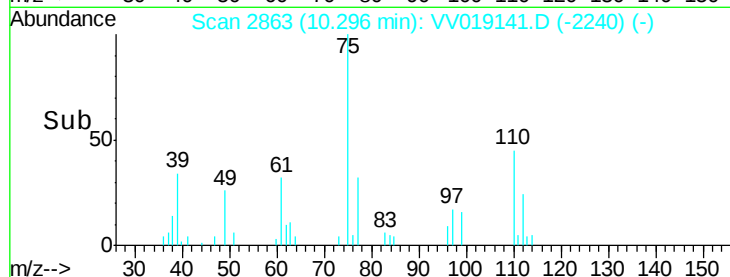
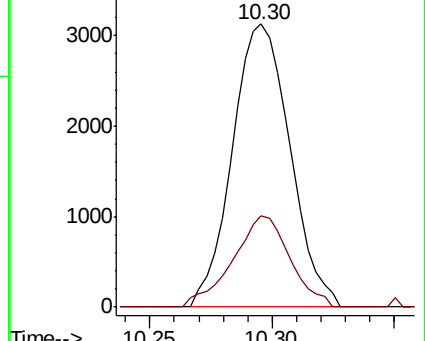
75 100

77 32.0 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV019132.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV019132.D (-2850) (-)



#61

Bromoform

Concen: 2.913 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

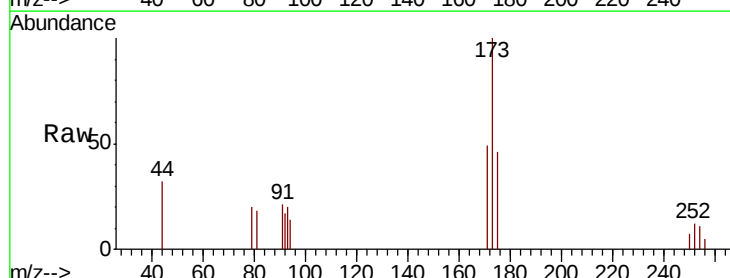
Tgt Ion: 173 Resp: 3653

Ion Ratio Lower Upper

173 100

175 47.4 38.3 57.5

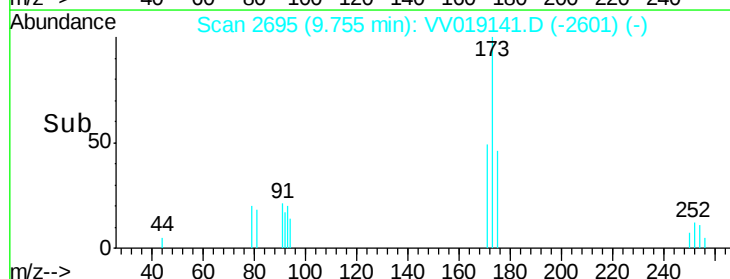
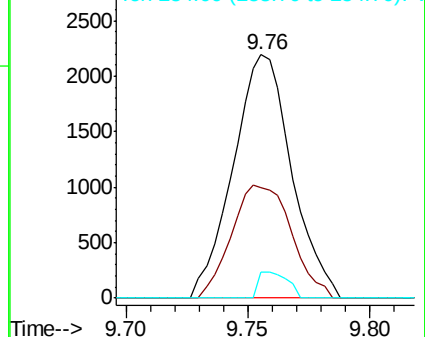
254 5.2 8.3 12.5#

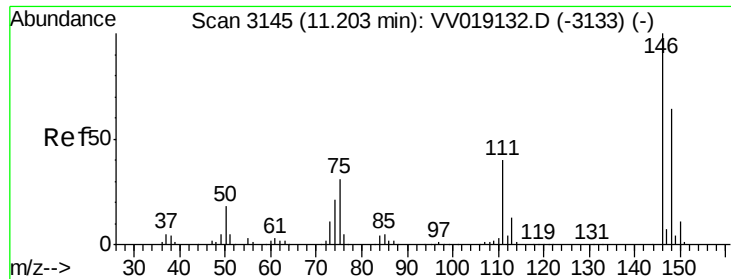


Abundance Ion 173.00 (172.70 to 173.70): VV019132.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV019132.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV019132.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 2.641 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

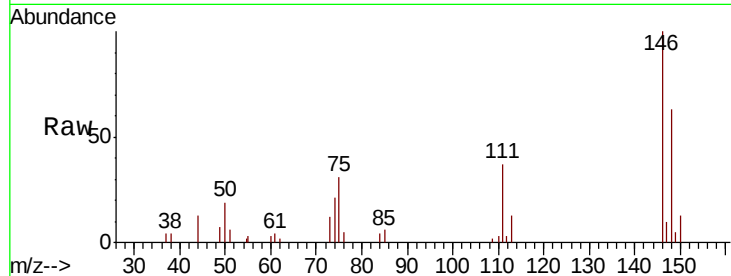
Tot Ion:146 Resp: 8826

Ion Ratio Lower Upper

146 100

111 36.8 28.8 53.4

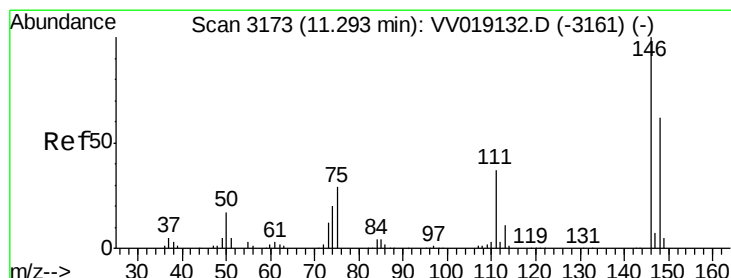
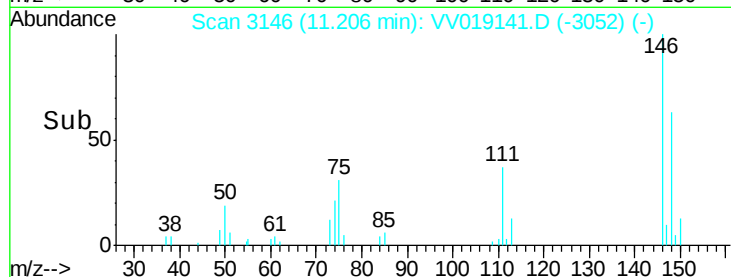
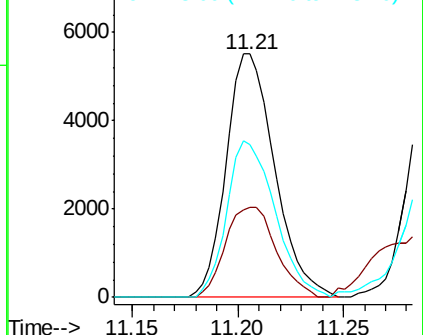
148 62.8 44.5 82.7



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: 2.954 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

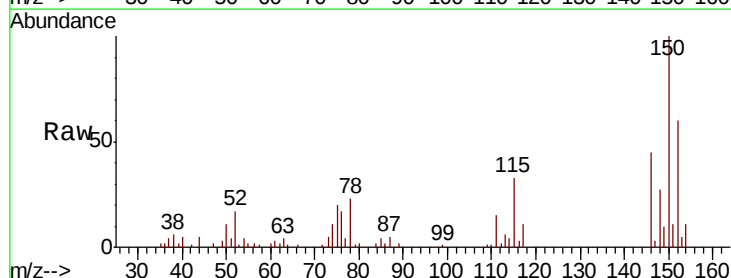
Tgt Ion:146 Resp: 10315

Ion Ratio Lower Upper

146 100

111 33.7 27.8 51.6

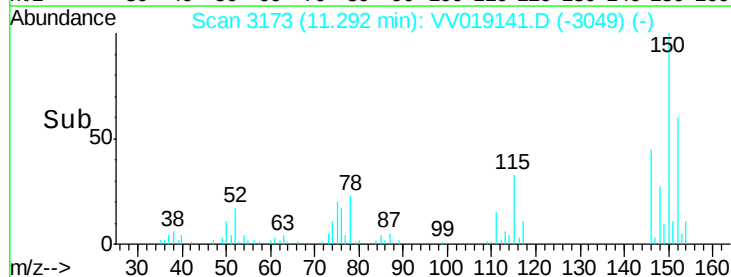
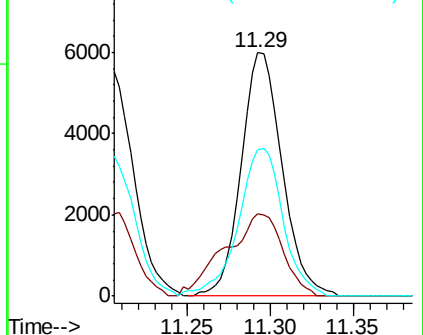
148 60.0 45.1 83.9

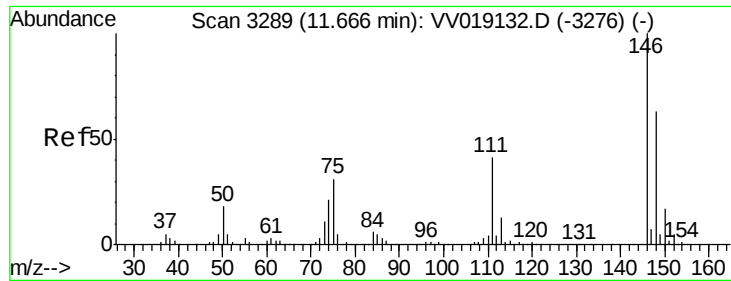


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.659 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampleId :

MDL06

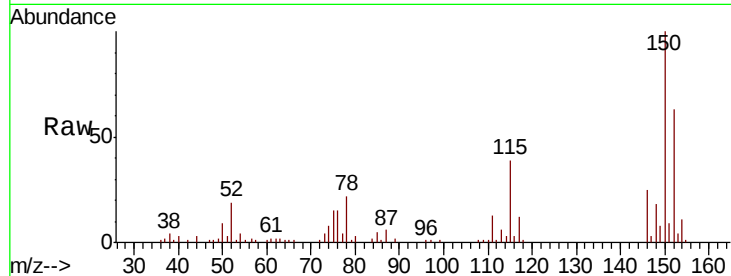
Tot Ion:146 Resp: 8958

Ion Ratio Lower Upper

146 100

111 50.1 33.3 49.9#

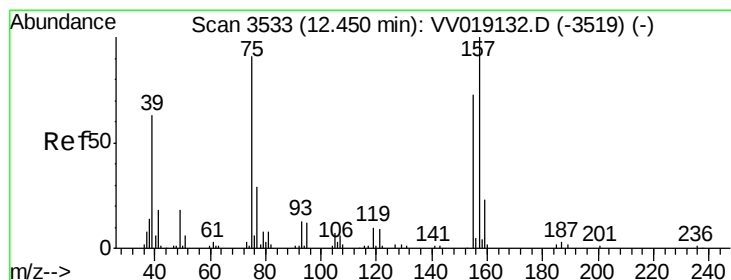
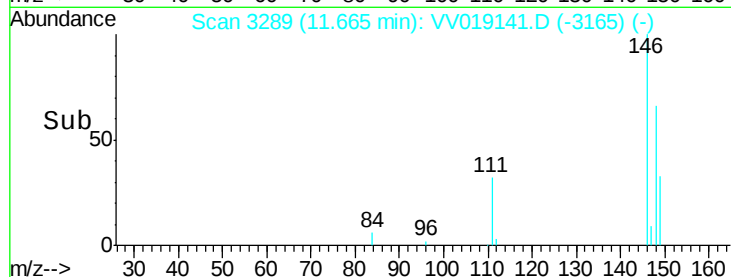
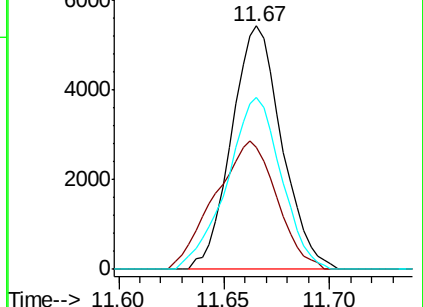
148 70.4 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 2.904 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

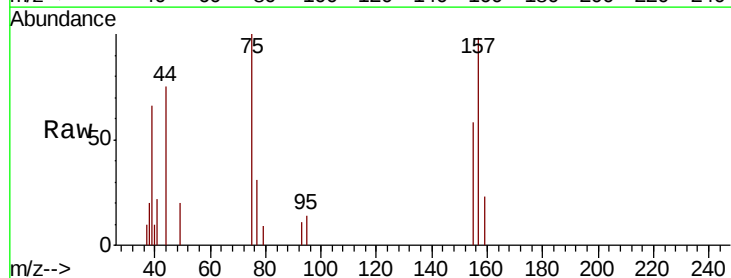
Tgt Ion: 75 Resp: 1729

Ion Ratio Lower Upper

75 100

155 57.9 62.2 93.4#

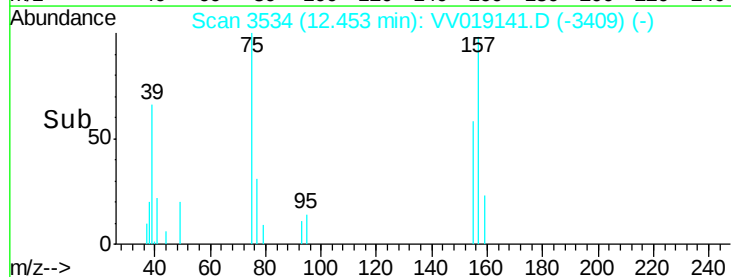
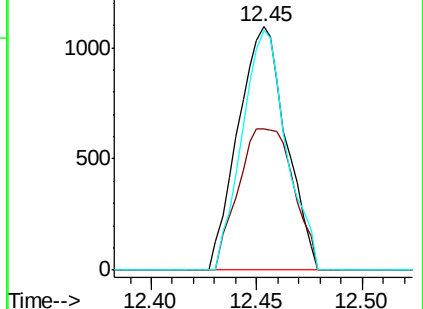
157 98.4 79.9 119.9

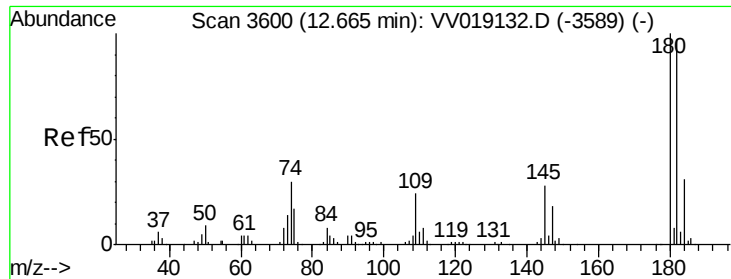


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

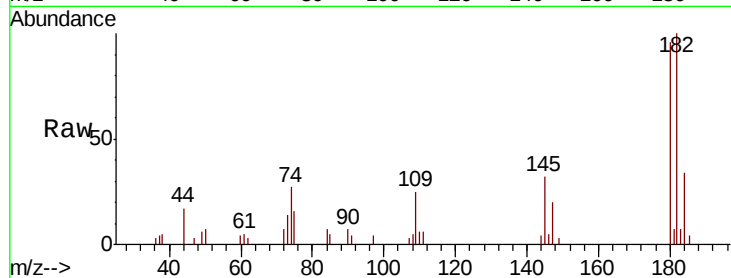




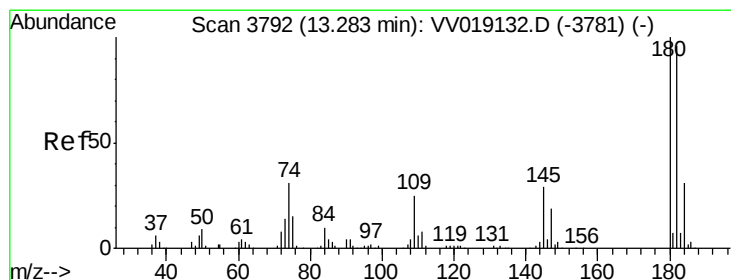
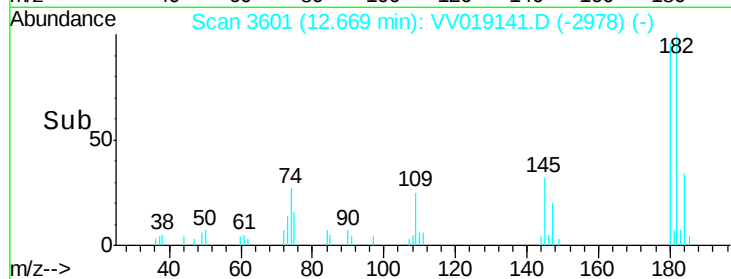
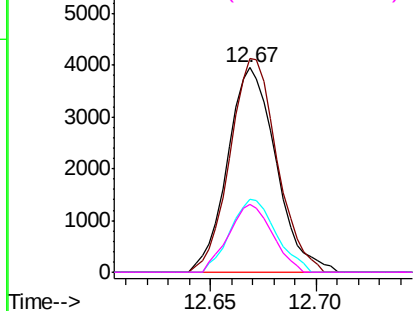
#67
 1,3,5-Trichlorobenzene
 Concen: 2.769 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL06

Tot Ion:180 Resp: 6318
 Ion Ratio Lower Upper
 180 100
 182 101.2 77.4 116.0
 184 33.6 24.7 37.1
 145 29.9 23.5 35.3

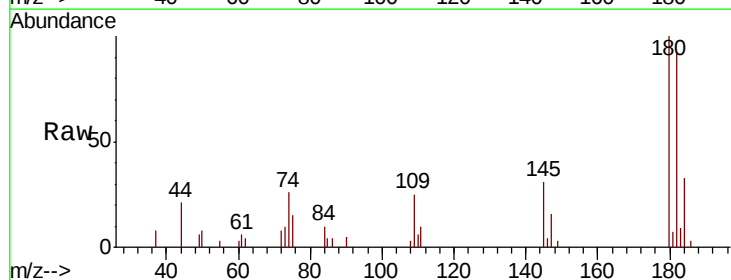


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

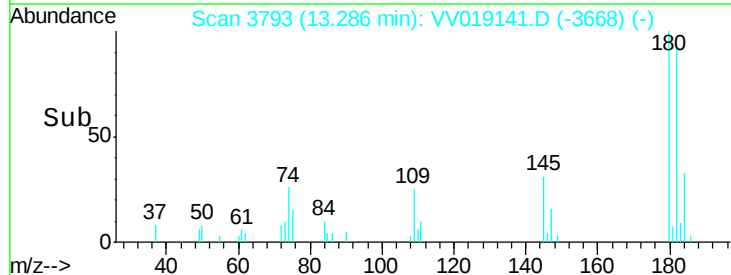
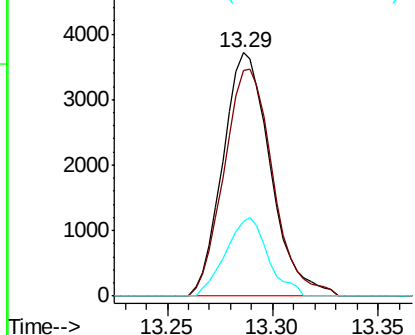


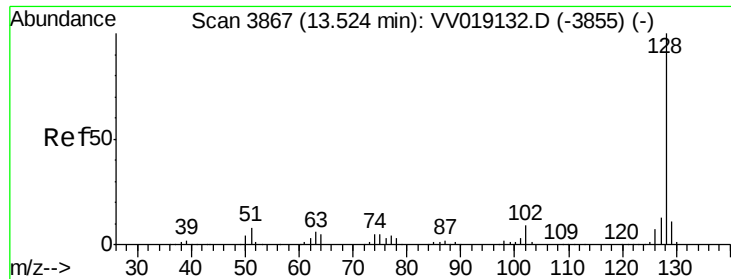
#68
 1,2,4-trichlorobenzene
 Concen: 2.709 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019141.D
 Acq: 28 Oct 2020 17:57

Tgt Ion:180 Resp: 5829
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.4 116.2
 145 28.6 23.7 35.5



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: 2.093 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.01 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

Instrument :

MSVOA_V

ClientSampled :

MDL06

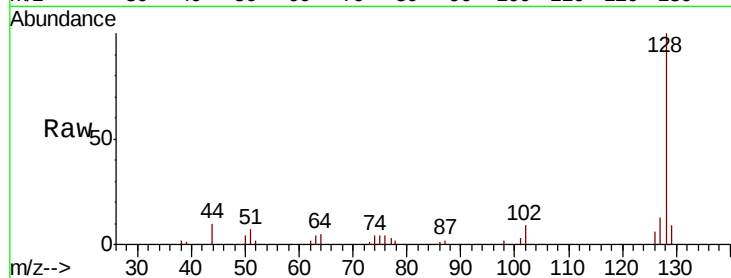
Tot Ion:128 Resp: 13877

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

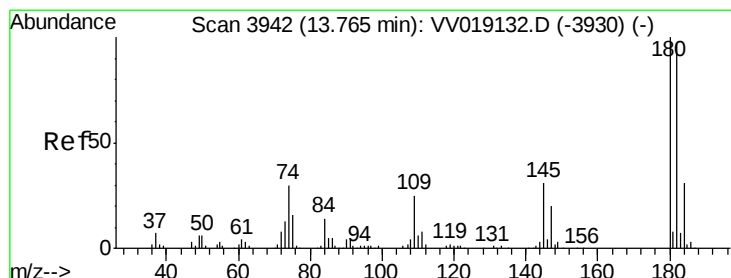
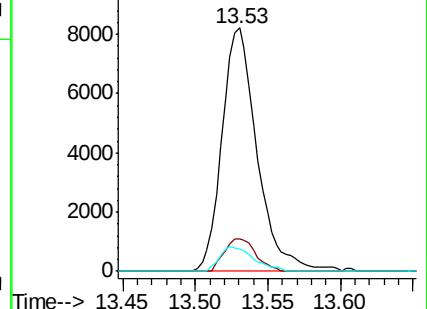
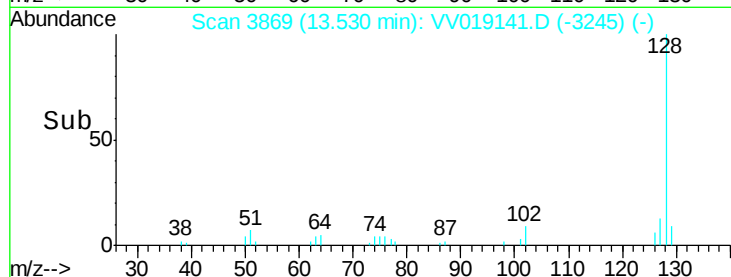
129 9.7 8.7 13.1



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: 2.590 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019141.D

Acq: 28 Oct 2020 17:57

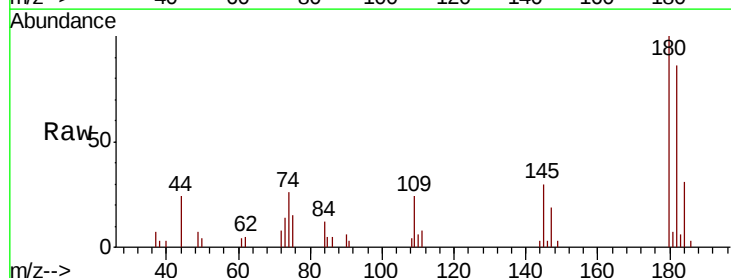
Tgt Ion:180 Resp: 5647

Ion Ratio Lower Upper

180 100

182 91.6 76.9 115.3

145 30.7 25.6 38.4



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

