

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071922\
 Data File : VY009600.D
 Acq On : 19 Jul 2022 19:24
 Operator : KP/MD
 Sample : N3652-03
 Misc : 6.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-7-(24-30)

Quant Time: Jul 20 02:45:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

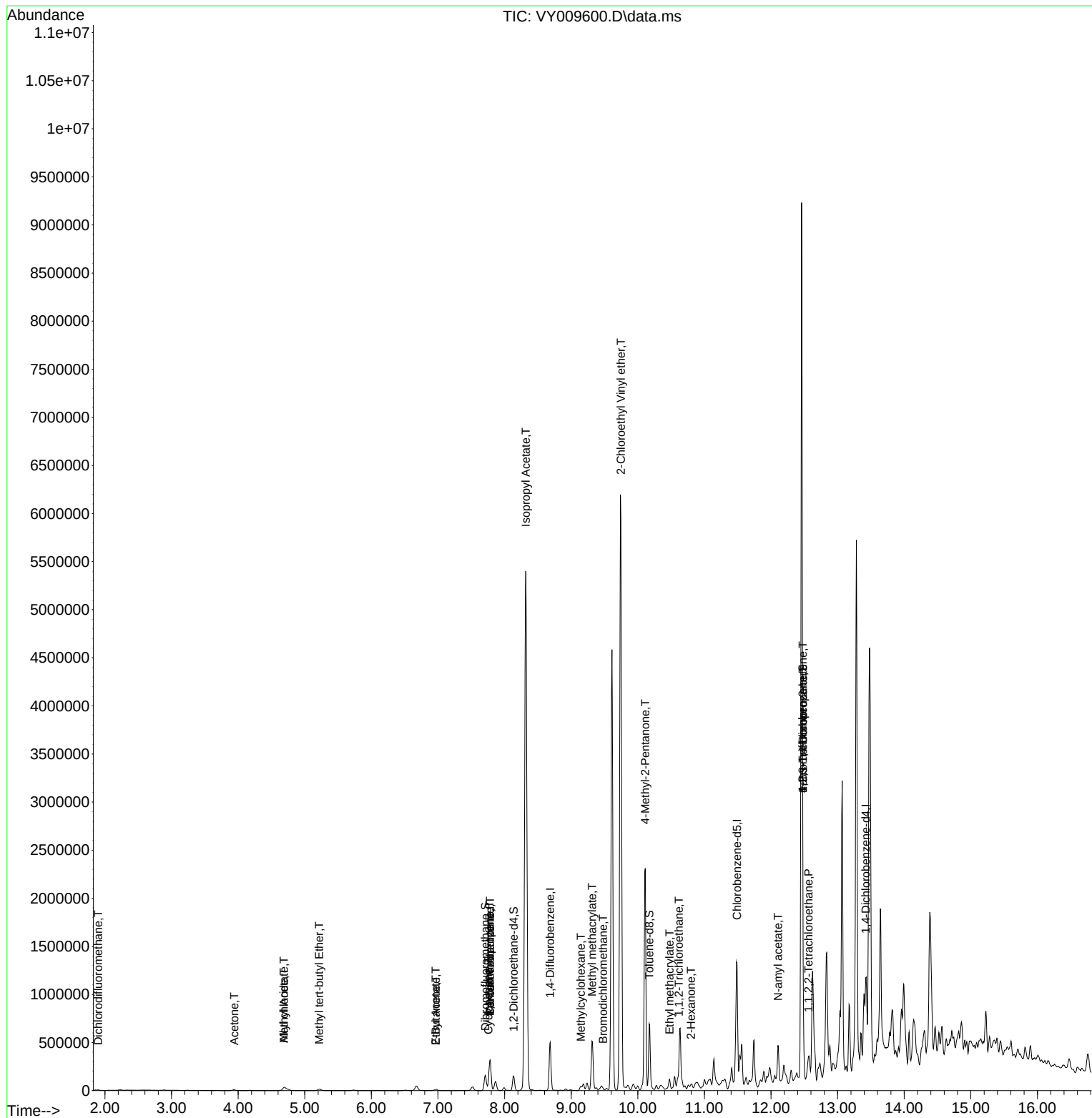
Internal Standards						
1) Pentafluorobenzene	7.783	168	264385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	444172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	423715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	118724	47.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.960%
35) Dibromofluoromethane	7.710	113	114266	40.835	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.660%
50) Toluene-d8	10.173	98	444978	41.365	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	82.720%
62) 4-Bromofluorobenzene	12.477	95	172989	49.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	99.260%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	4553	1.963	ug/l	99
11) Tert butyl alcohol	4.954	59	1452	Below Cal	#	77
14) Allyl chloride	4.686	41	10225	2.719	ug/l #	62
16) Acetone	3.942	43	15554	24.590	ug/l #	89
18) Methyl Acetate	4.686	43	24538	13.820	ug/l #	56
19) Methyl tert-butyl Ether	5.216	73	6541	1.021	ug/l #	1
20) Methylene Chloride	4.704	84	12638	Below Cal	#	80
25) 2-Butanone	6.966	43	7142	7.741	ug/l #	63
31) Cyclohexane	7.758	56	10194	2.312	ug/l #	69
36) 1,1-Dichloropropene	7.777	75	17904	4.330	ug/l #	51
37) Ethyl Acetate	6.966	43	7142	3.103	ug/l #	72
38) Carbon Tetrachloride	7.783	117	23836	5.507	ug/l #	15
39) Methylcyclohexane	9.148	83	9790	1.920	ug/l #	32
43) Isopropyl Acetate	8.319	43	1060742	251.535	ug/l #	56
47) Bromodichloromethane	9.478	83	10857	2.686	ug/l #	24
48) Methyl methacrylate	9.313	41	123424	66.244	ug/l #	37
51) 4-Methyl-2-Pentanone	10.112	43	252356	115.252	ug/l	90
55) 1,1,2-Trichloroethane	10.618	97	12328	5.077	ug/l #	1
56) Ethyl methacrylate	10.477	69	28795	9.269	ug/l #	68
58) 2-Chloroethyl Vinyl ether	9.746	63	7617	32.308	ug/l #	48
59) 2-Hexanone	10.801	43	20100	13.198	ug/l #	40
74) N-amyl acetate	12.105	43	64615	17.083	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.562	83	10446	3.668	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	78040	39.881	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	78040	78.638	ug/l #	70

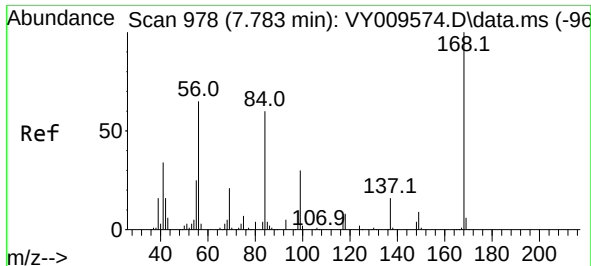
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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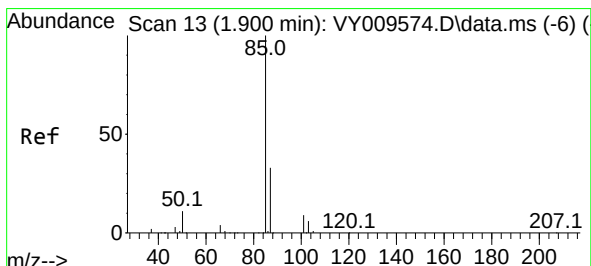
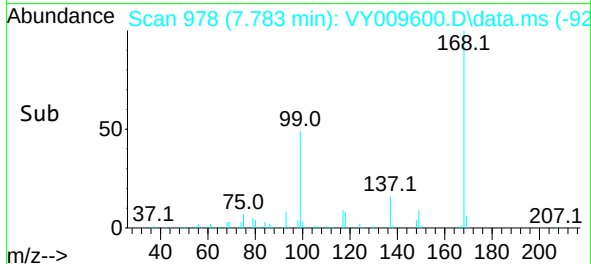
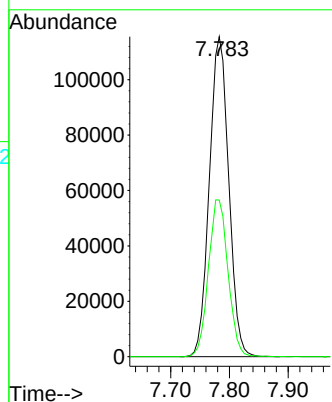
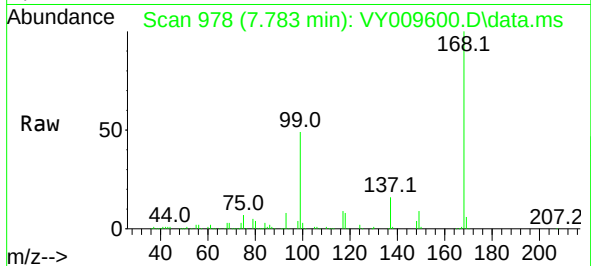




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

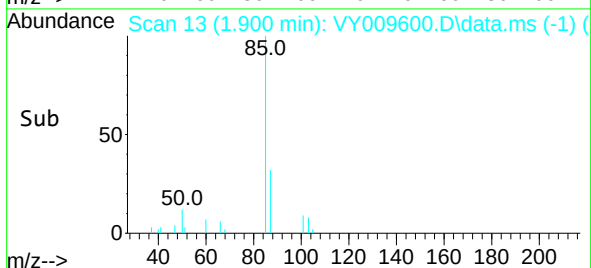
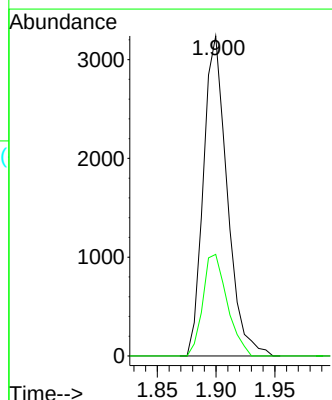
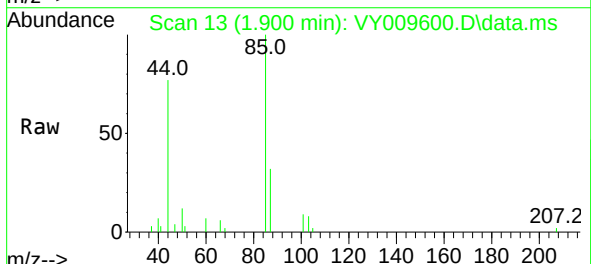
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

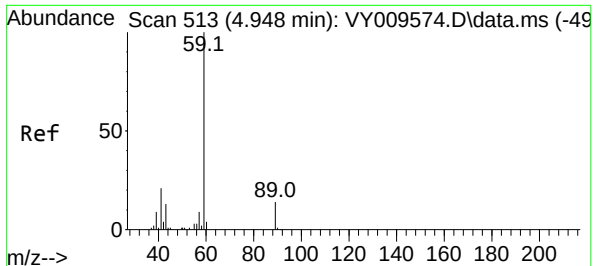
Tgt Ion:168 Resp: 264385
Ion Ratio Lower Upper
168 100
99 48.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.963 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 85 Resp: 4553
Ion Ratio Lower Upper
85 100
87 31.8 16.1 48.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

Instrument :

MSVOA_Y

ClientSampleId :

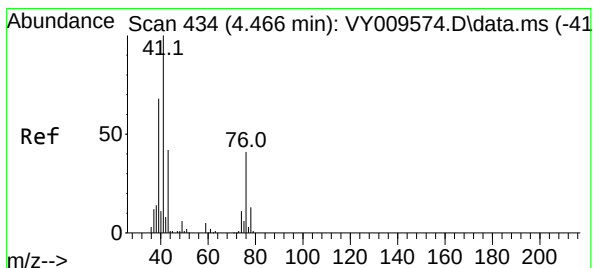
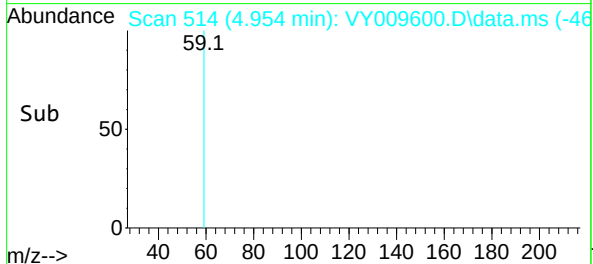
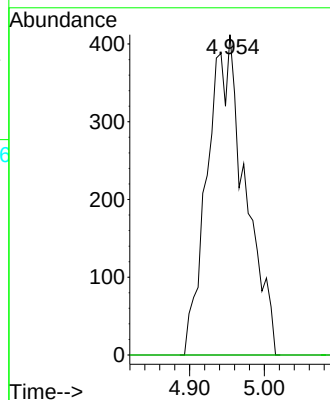
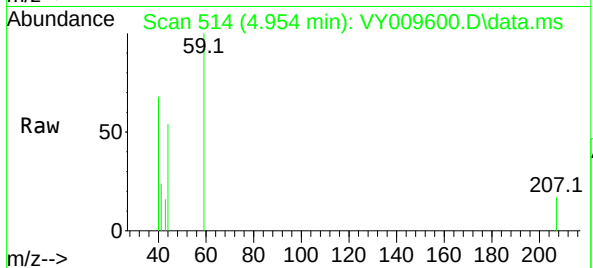
SED-7-(24-30)

Tgt Ion: 59 Resp: 1452

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#14

Allyl chloride

Concen: 2.719 ug/l

RT: 4.686 min Scan# 470

Delta R.T. 0.219 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

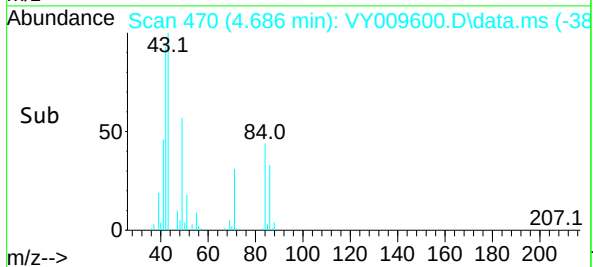
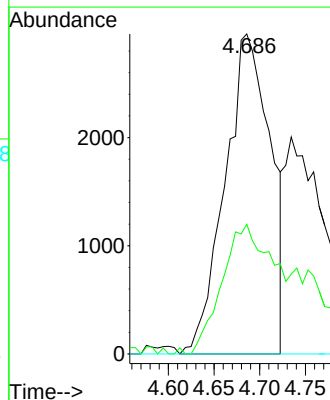
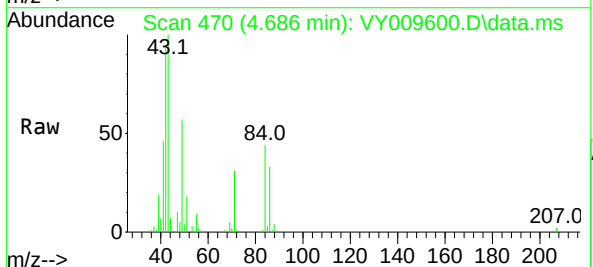
Tgt Ion: 41 Resp: 10225

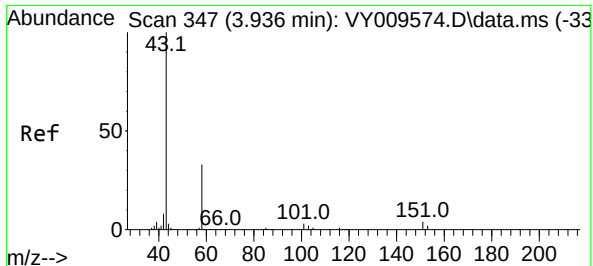
Ion Ratio Lower Upper

41 100

39 48.6 58.8 88.2#

76 0.0 25.1 37.7#

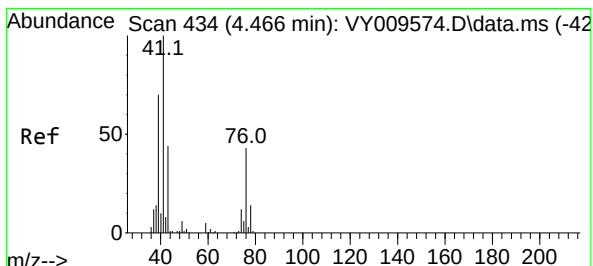
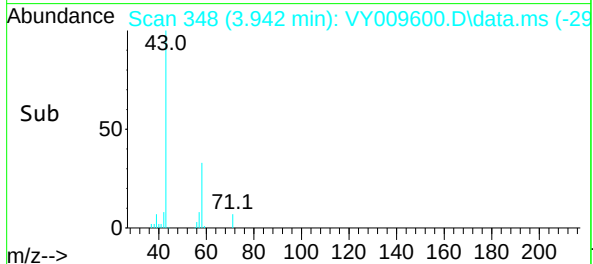
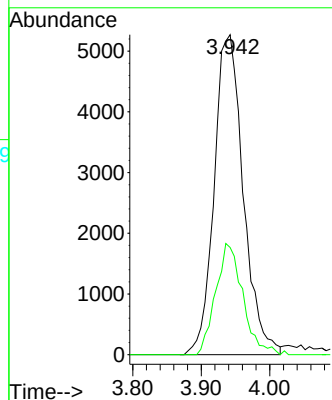
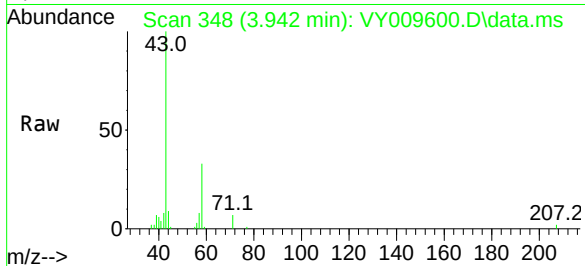




#16
Acetone
Concen: 24.590 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

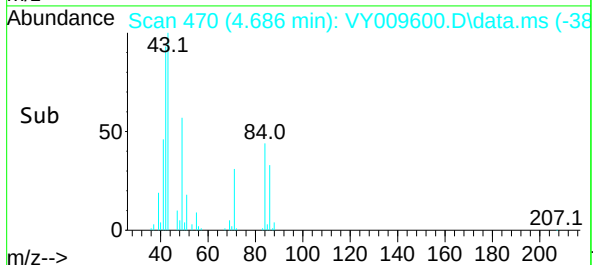
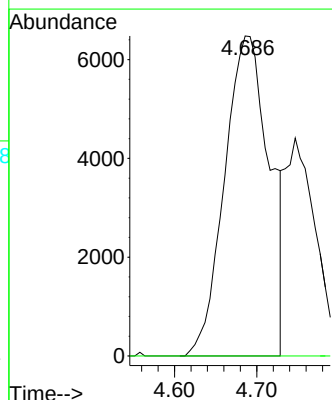
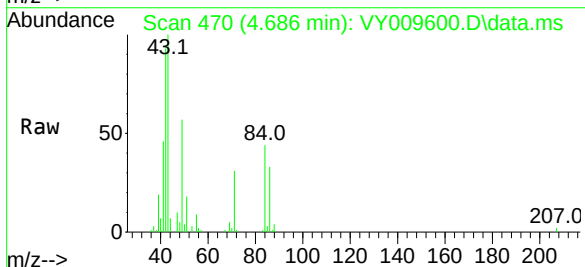
Instrument :
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SED-7-(24-30)

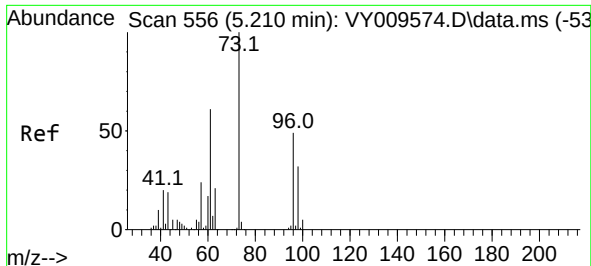
Tgt Ion: 43 Resp: 15554
Ion Ratio Lower Upper
43 100
58 33.5 22.0 33.0#



#18
Methyl Acetate
Concen: 13.820 ug/l
RT: 4.686 min Scan# 470
Delta R.T. 0.219 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 43 Resp: 24538
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

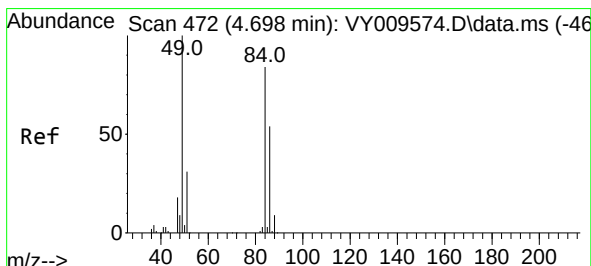
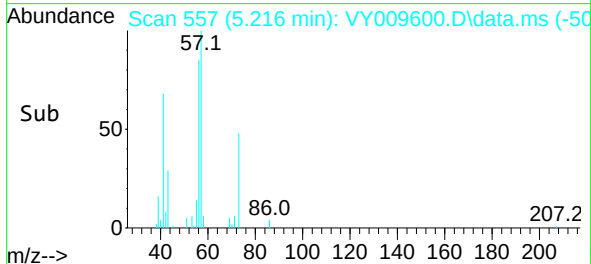
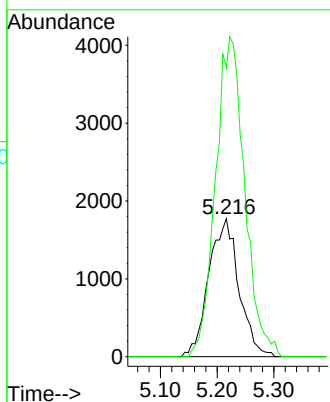
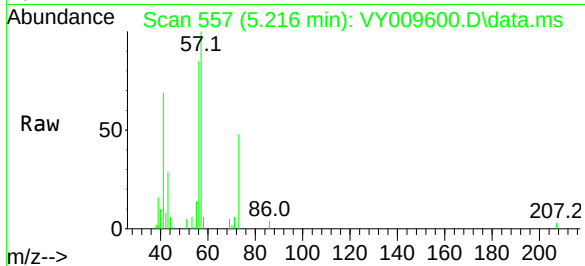




#19
Methyl tert-butyl Ether
Concen: 1.021 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

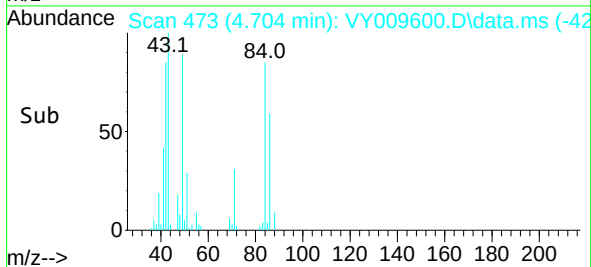
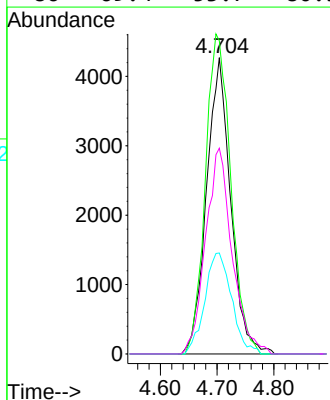
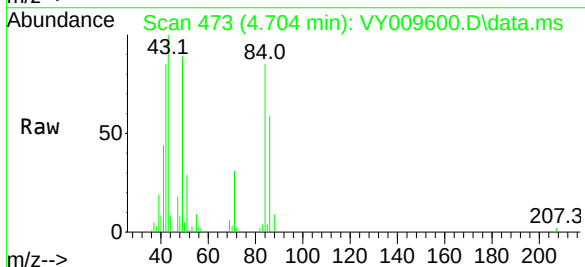
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

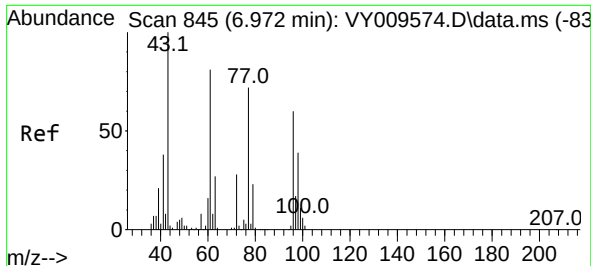
Tgt Ion: 73 Resp: 6541
Ion Ratio Lower Upper
73 100
57 209.2 18.6 27.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. 0.006 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 84 Resp: 12638
Ion Ratio Lower Upper
84 100
49 105.7 114.4 171.6#
51 34.1 35.3 52.9#
86 69.4 53.7 80.5

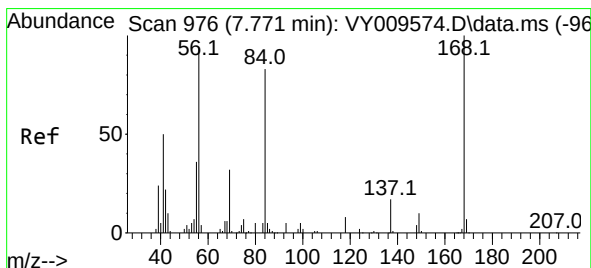
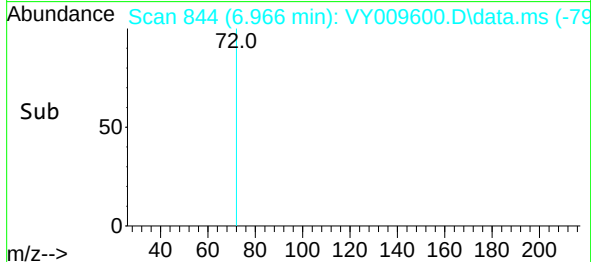
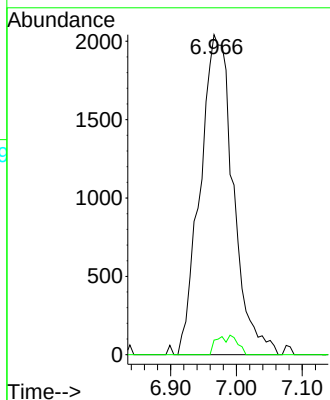
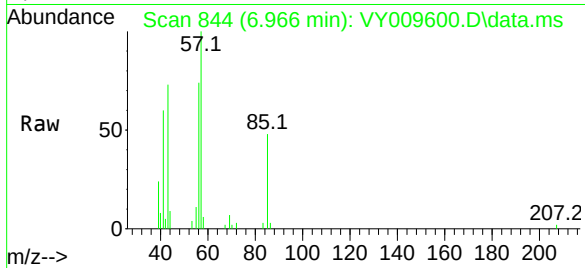




#25
2-Butanone
Concen: 7.741 ug/l
RT: 6.966 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

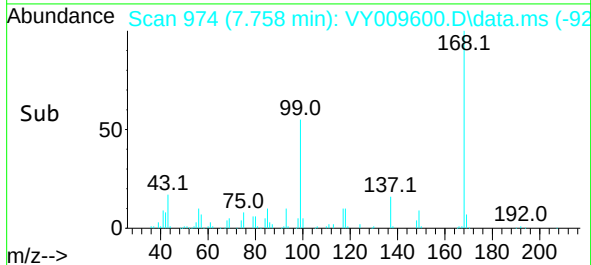
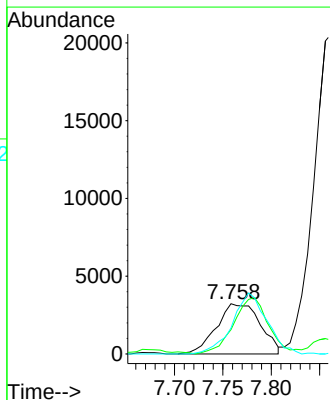
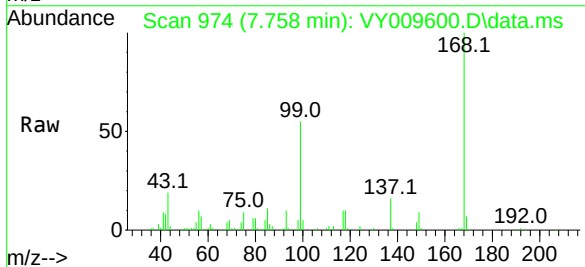
Instrument :
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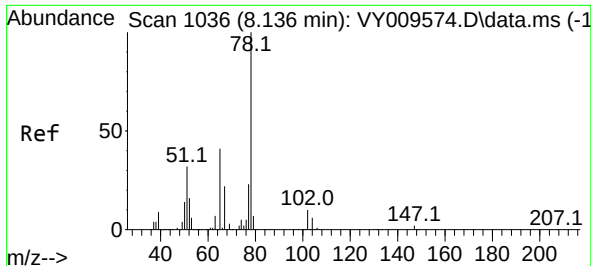
Tgt Ion: 43 Resp: 7142
Ion Ratio Lower Upper
43 100
72 4.6 17.7 26.5#



#31
Cyclohexane
Concen: 2.312 ug/l
RT: 7.758 min Scan# 974
Delta R.T. -0.012 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 56 Resp: 10194
Ion Ratio Lower Upper
56 100
69 44.1 26.7 40.1#
84 51.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.481 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

Instrument :

MSVOA_Y

ClientSampleId :

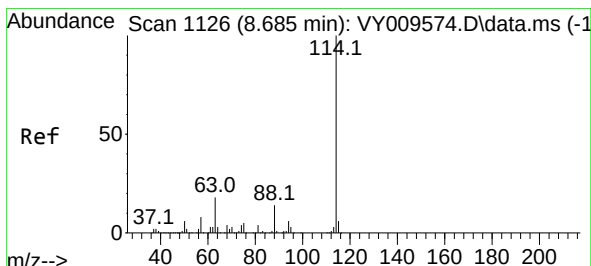
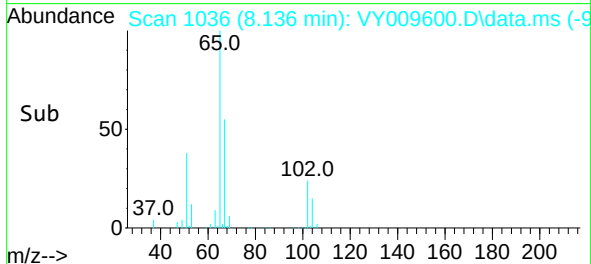
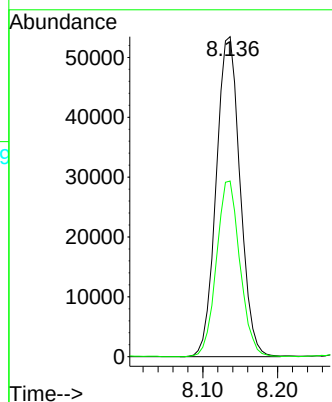
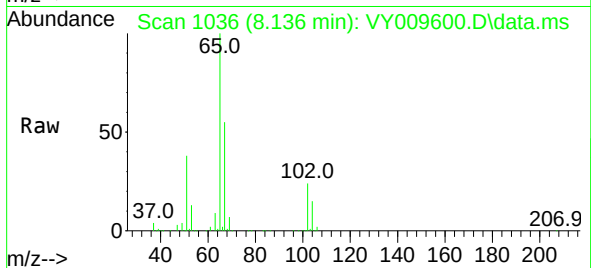
SED-7-(24-30)

Tgt Ion: 65 Resp: 118724

Ion Ratio Lower Upper

65 100

67 54.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

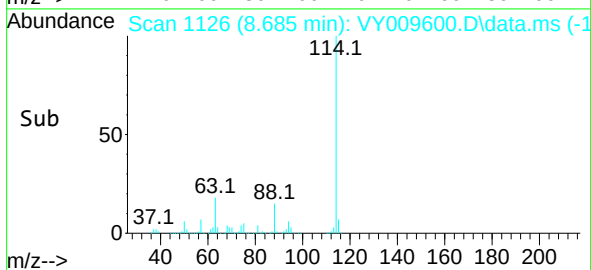
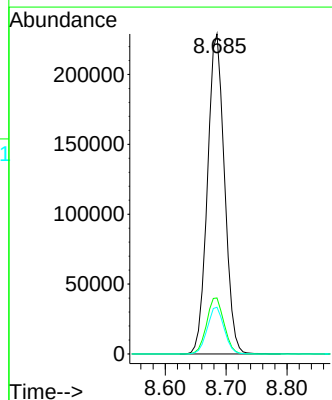
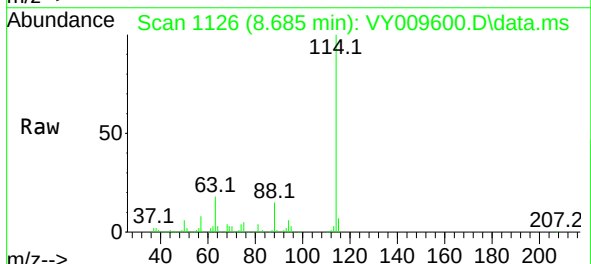
Tgt Ion: 114 Resp: 444172

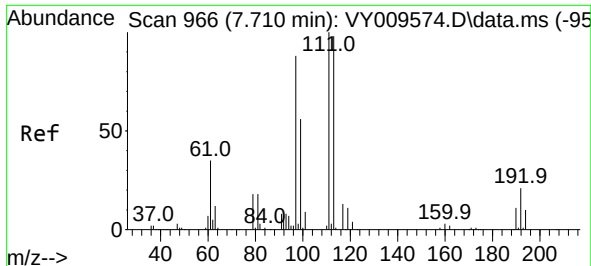
Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.6 0.0 31.8

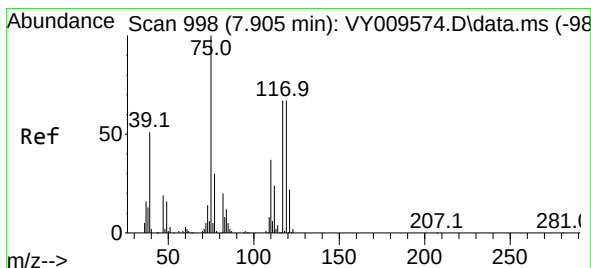
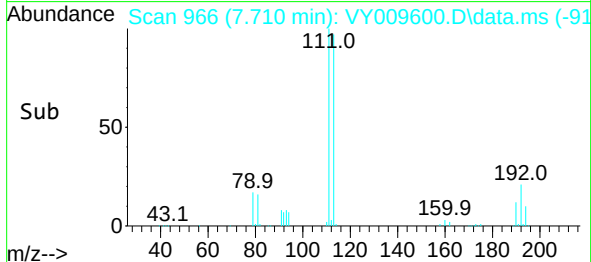
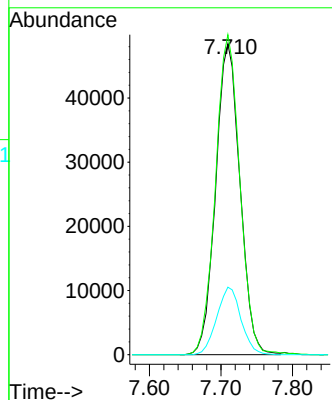
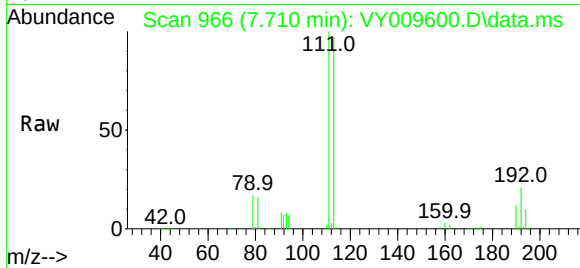




#35
Dibromofluoromethane
Concen: 40.835 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

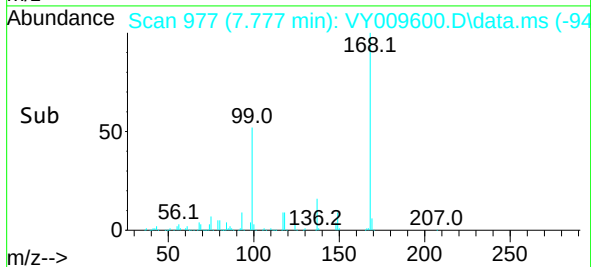
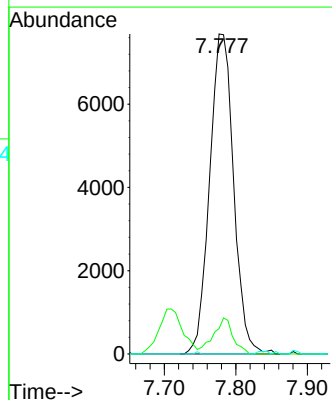
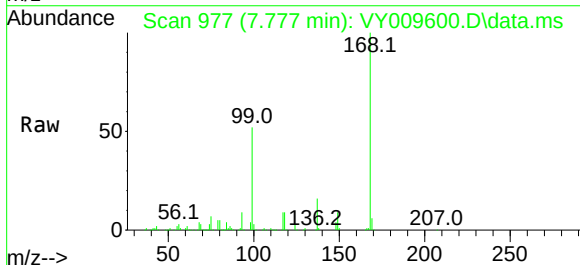
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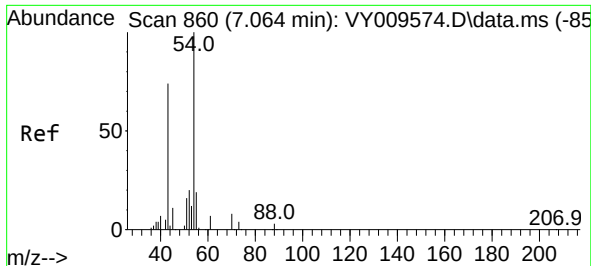
Tgt Ion:113 Resp: 114266
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 21.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.128 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 75 Resp: 17904
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.103 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY009600.D

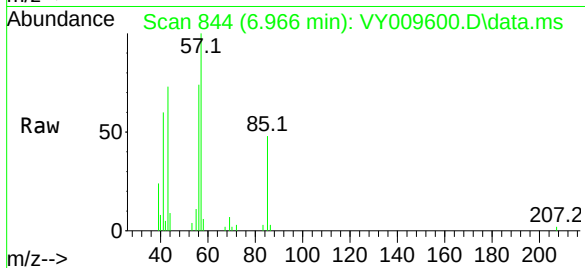
Acq: 19 Jul 2022 19:24

Instrument :

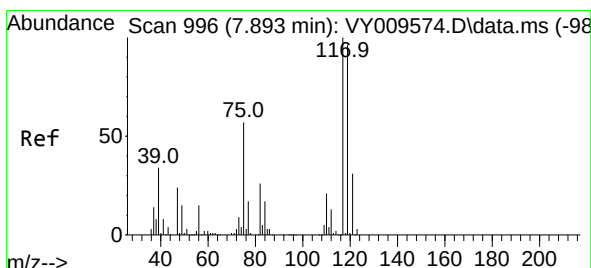
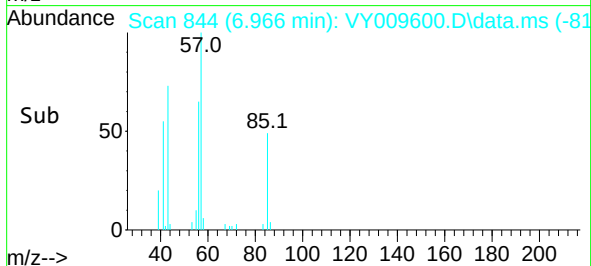
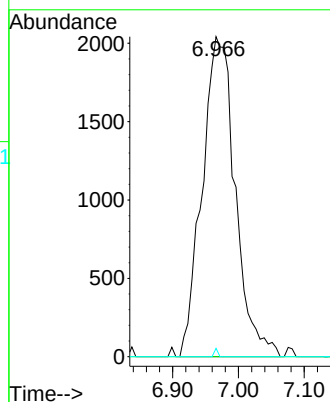
MSVOA_Y

ClientSampleId :

SED-7-(24-30)



Tgt Ion:	43	Resp:	7142
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.3	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.507 ug/l

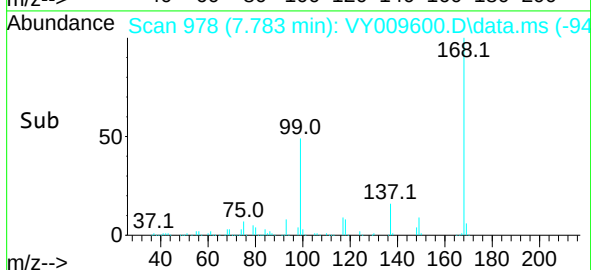
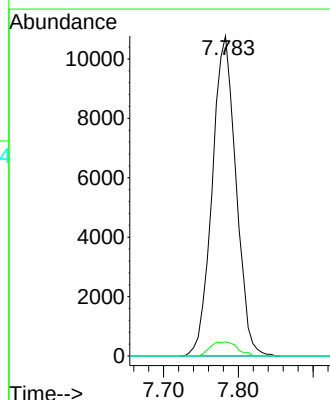
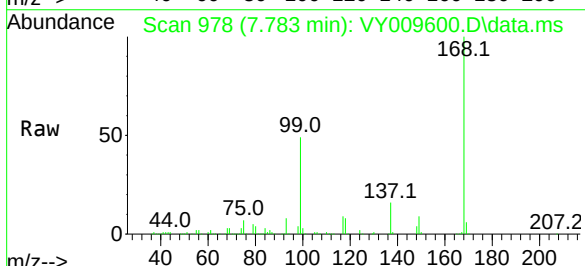
RT: 7.783 min Scan# 978

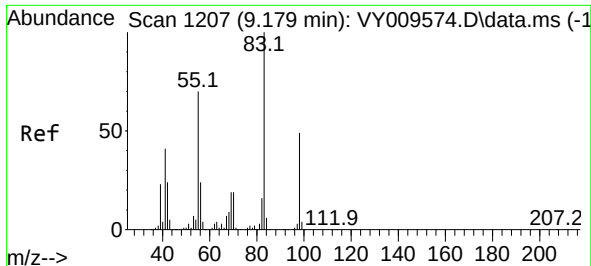
Delta R.T. -0.110 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

Tgt Ion:	117	Resp:	23836
Ion	Ratio	Lower	Upper
117	100		
119	4.4	77.9	116.9#
121	0.0	24.8	37.2#

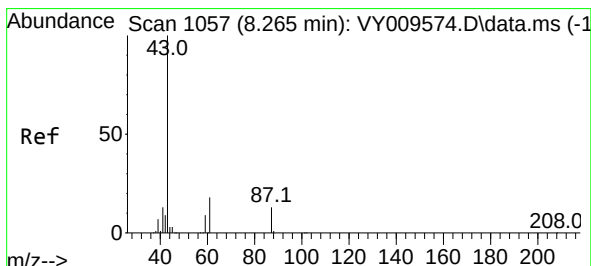
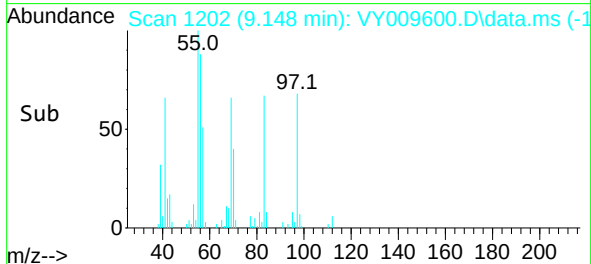
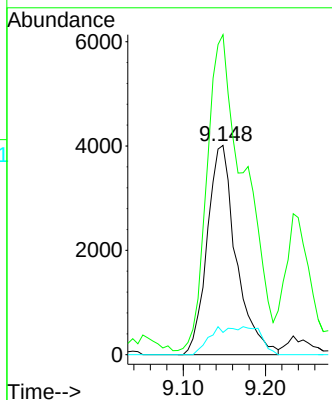
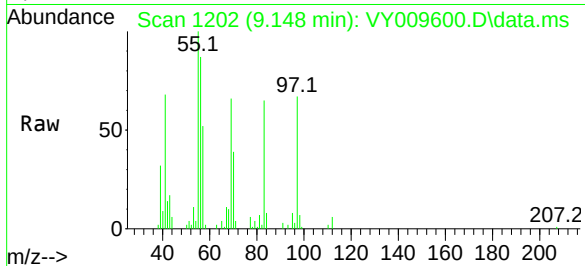




#39
Methylcyclohexane
Concen: 1.920 ug/l
RT: 9.148 min Scan# 11
Delta R.T. -0.031 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

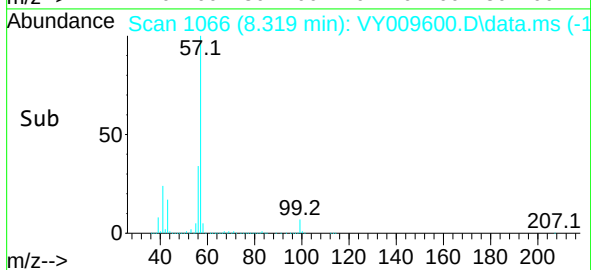
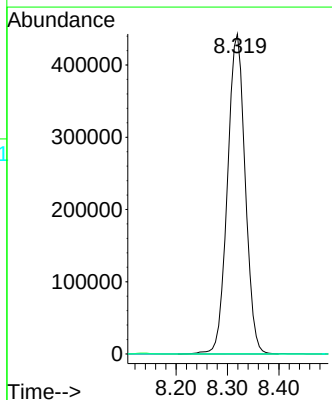
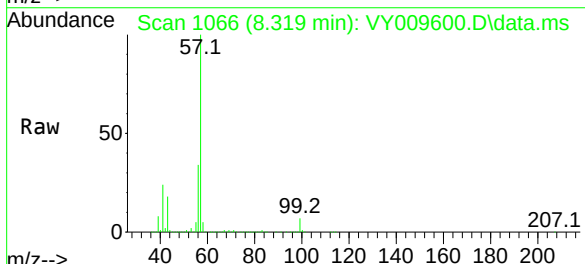
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

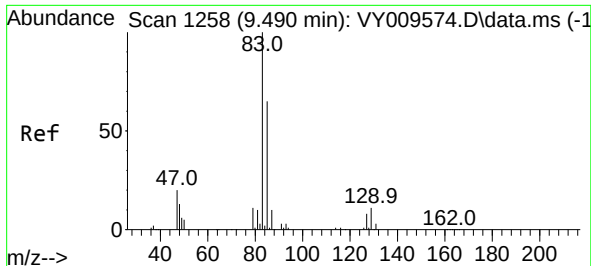
Tgt Ion: 83 Resp: 9790
Ion Ratio Lower Upper
83 100
55 151.0 66.5 99.7#
98 10.6 37.9 56.9#



#43
Isopropyl Acetate
Concen: 251.535 ug/l
RT: 8.319 min Scan# 1066
Delta R.T. 0.055 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 43 Resp: 1060742
Ion Ratio Lower Upper
43 100
61 0.1 20.2 30.2#
87 0.0 8.9 13.3#

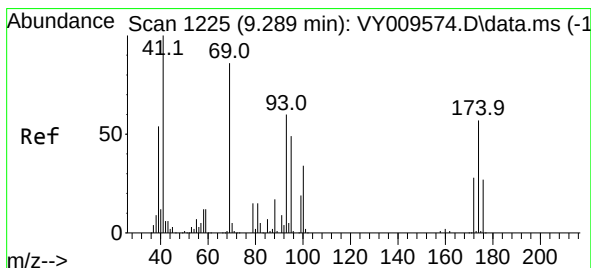
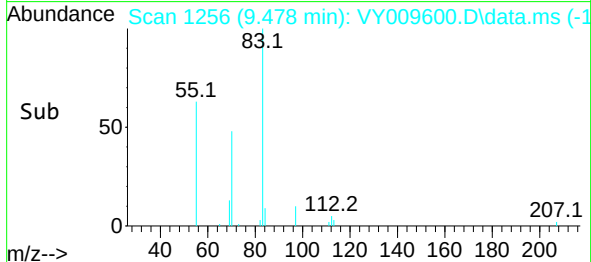
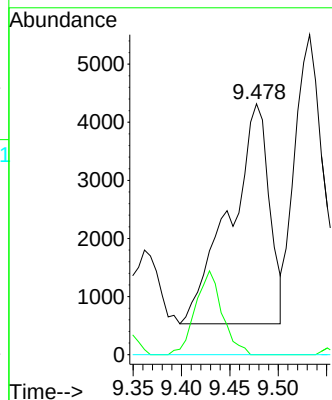
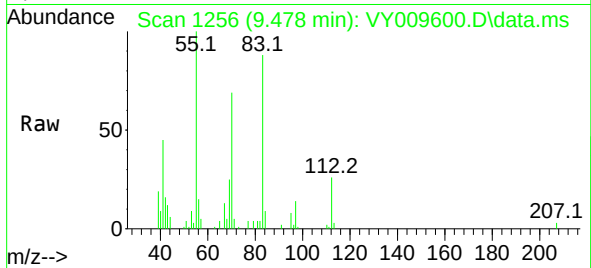




#47
Bromodichloromethane
Concen: 2.686 ug/l
RT: 9.478 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

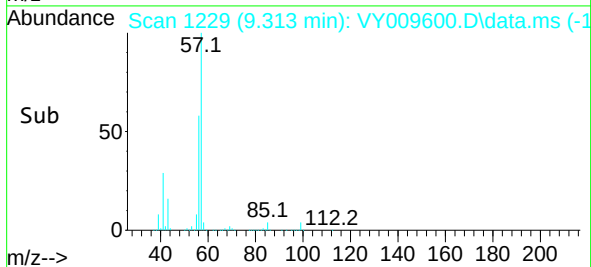
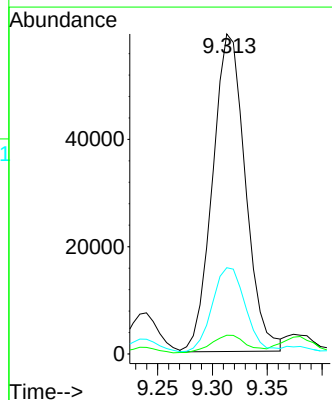
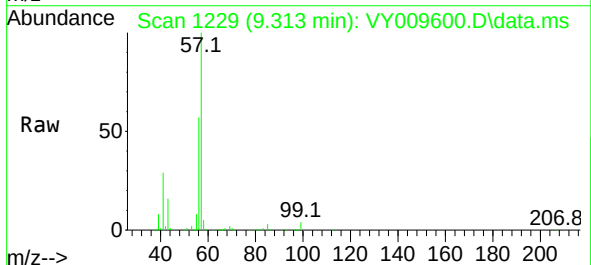
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

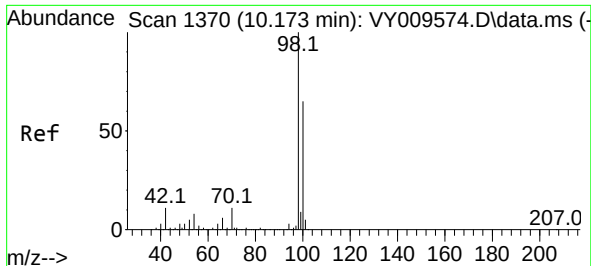
Tgt Ion: 83 Resp: 10857
Ion Ratio Lower Upper
83 100
85 0.0 51.9 77.9#
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 66.244 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.024 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 41 Resp: 123424
Ion Ratio Lower Upper
41 100
69 5.9 58.2 87.2#
39 27.6 47.4 71.0#

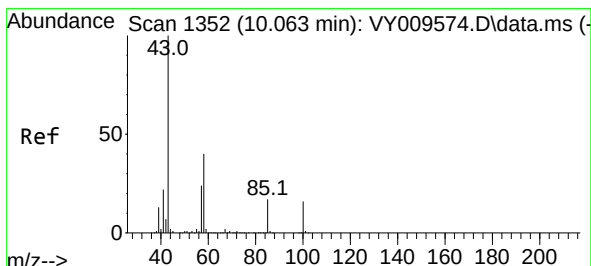
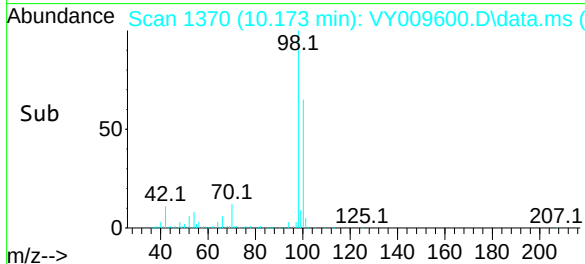
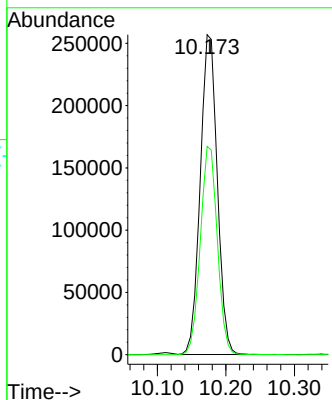
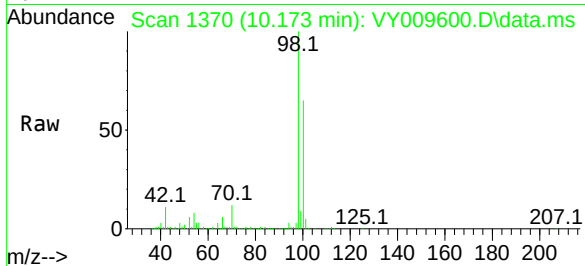




#50
Toluene-d8
Concen: 41.365 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

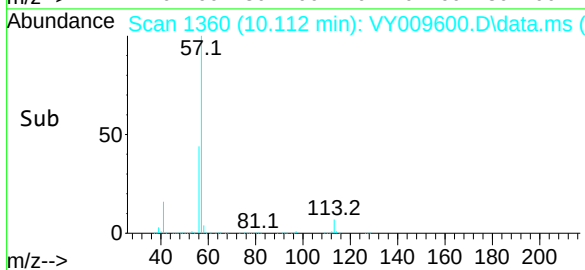
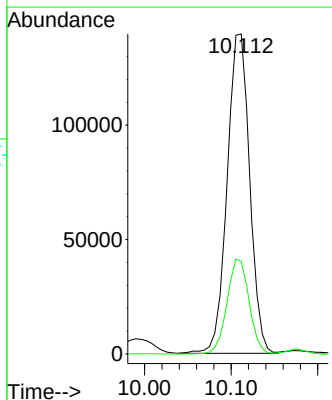
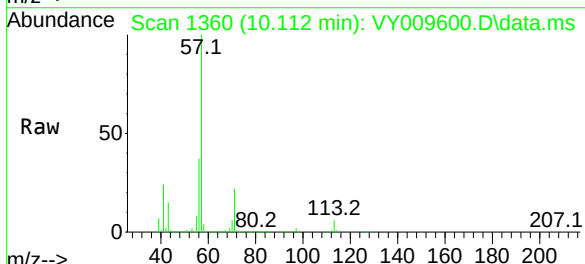
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

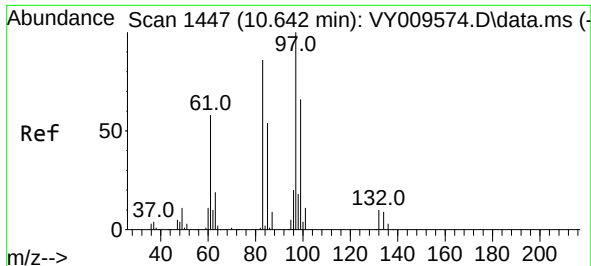
Tgt Ion: 98 Resp: 444978
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 115.252 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.049 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 43 Resp: 252356
Ion Ratio Lower Upper
43 100
58 29.1 28.1 42.1

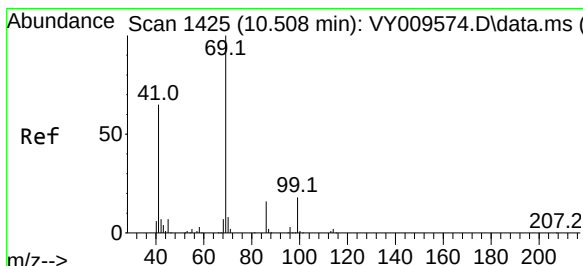
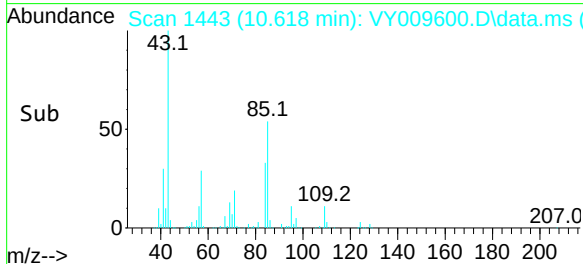
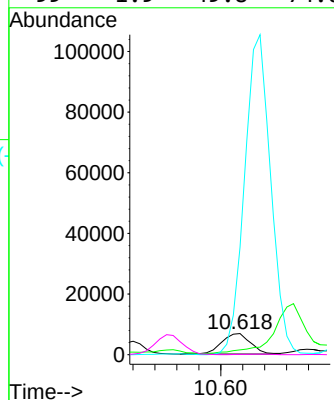
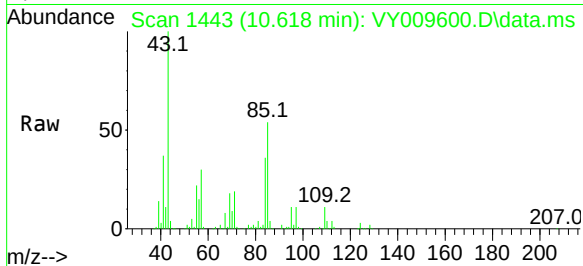




#55
1,1,2-Trichloroethane
Concen: 5.077 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.025 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

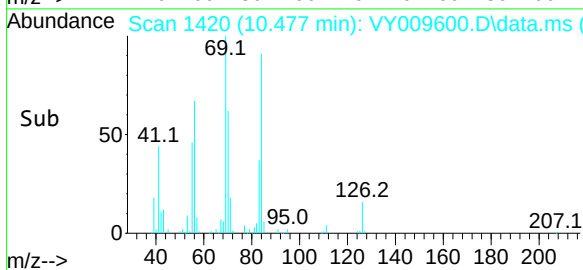
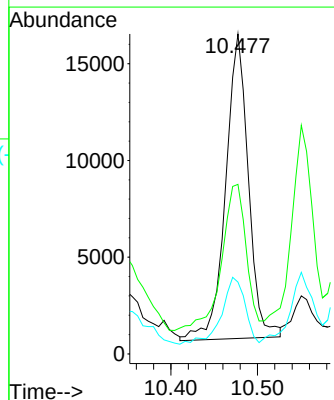
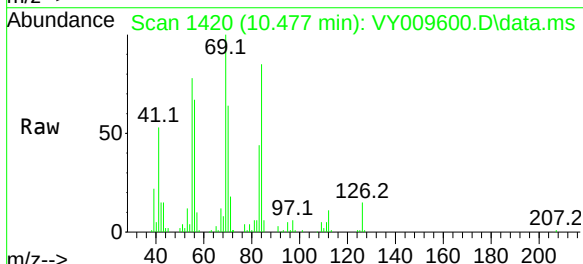
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

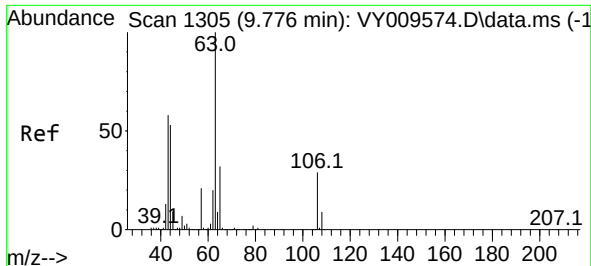
Tgt Ion:	97	Resp:	12328
Ion	Ratio	Lower	Upper
97	100		
83	5.2	69.8	104.8#
85	521.2	44.3	66.5#
99	1.9	49.8	74.6#



#56
Ethyl methacrylate
Concen: 9.269 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.031 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion:	69	Resp:	28795
Ion	Ratio	Lower	Upper
69	100		
41	52.3	63.4	95.0#
39	22.7	35.8	53.8#

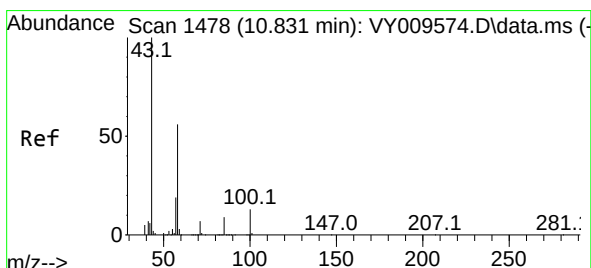
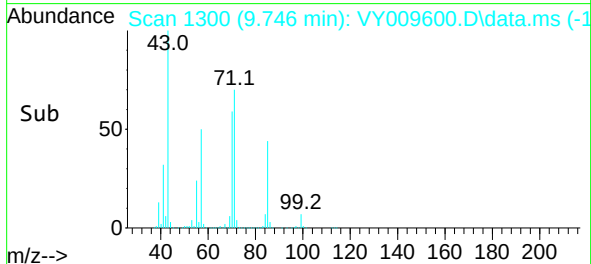
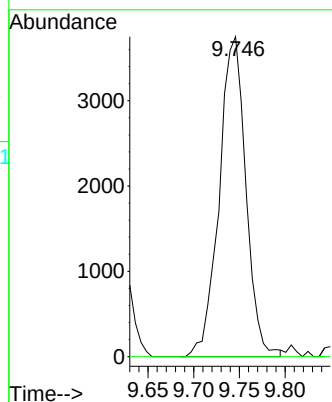
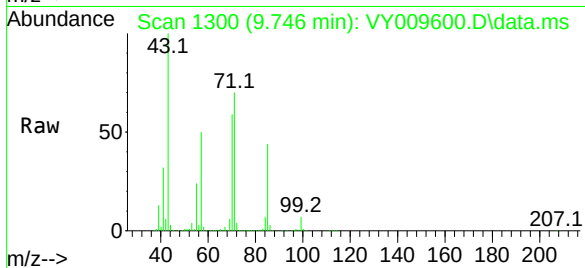




#58
2-Chloroethyl Vinyl ether
Concen: 32.308 ug/l
RT: 9.746 min Scan# 11
Delta R.T. -0.030 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

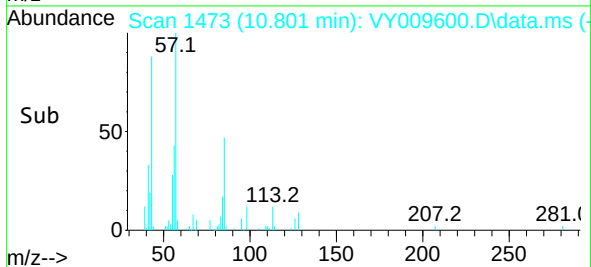
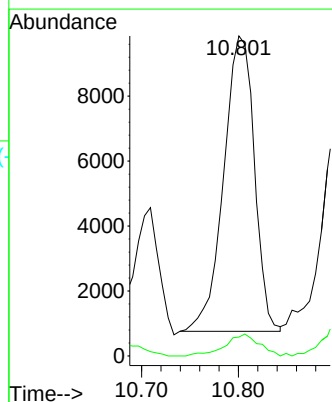
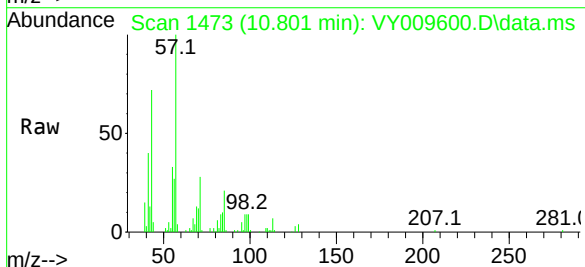
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

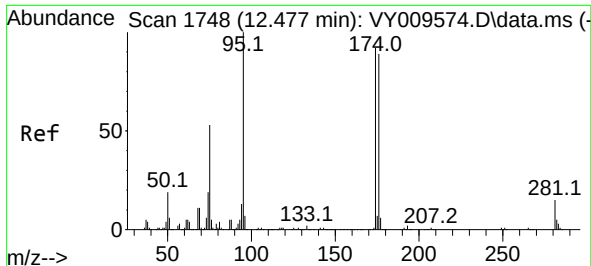
Tgt Ion: 63 Resp: 7617
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#



#59
2-Hexanone
Concen: 13.198 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 43 Resp: 20100
Ion Ratio Lower Upper
43 100
58 8.3 24.4 73.4#

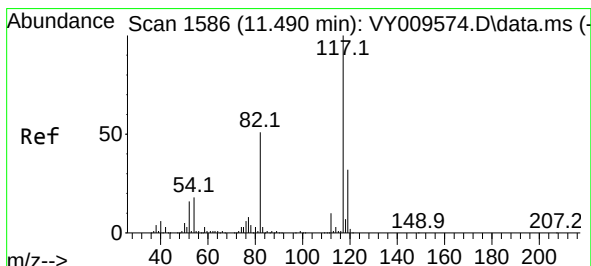
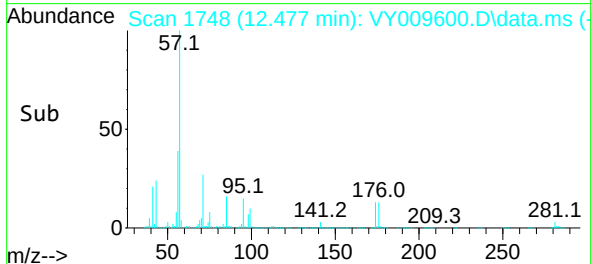
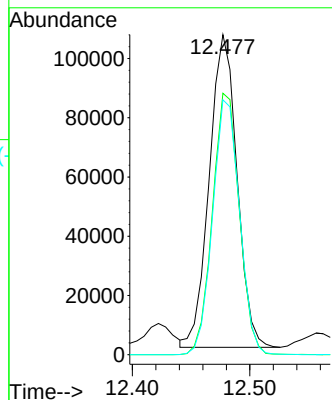
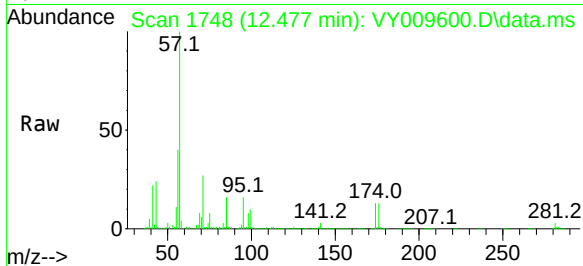




#62
4-Bromofluorobenzene
Concen: 49.628 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

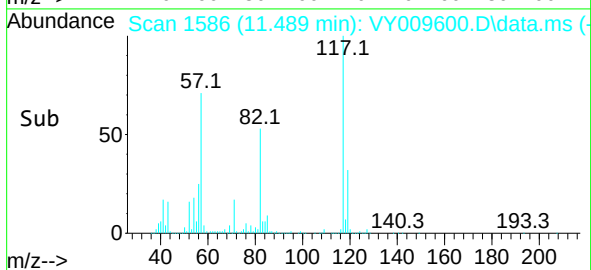
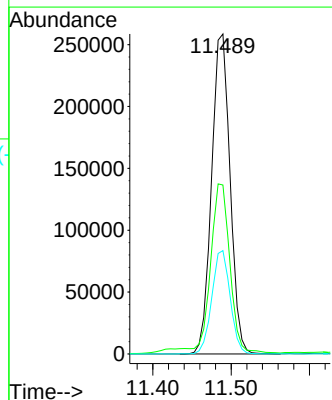
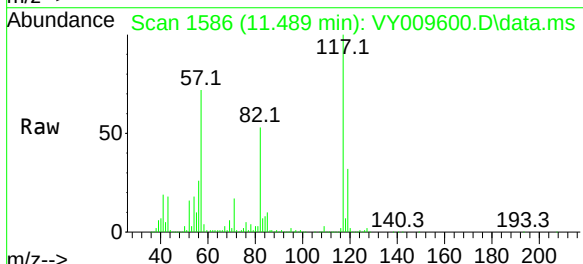
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

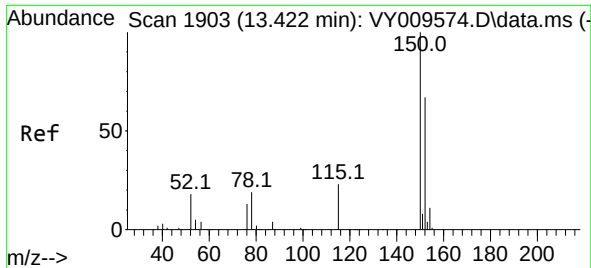
Tgt Ion: 95 Resp: 172989
Ion Ratio Lower Upper
95 100
174 80.9 0.0 177.0
176 79.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 117 Resp: 423715
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.4
119 32.3 25.4 38.0

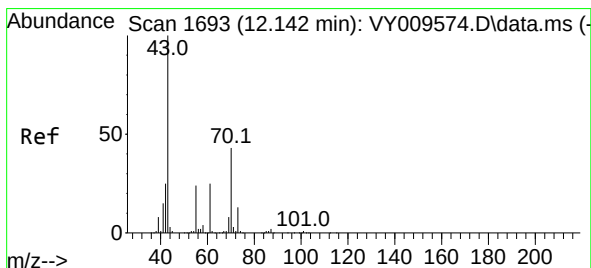
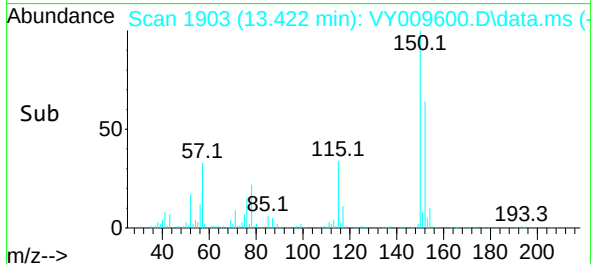
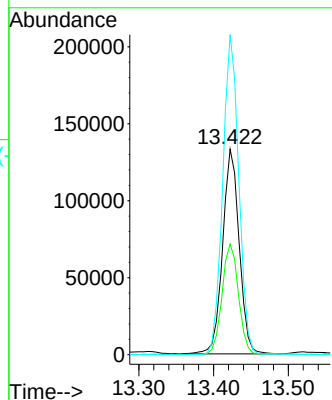
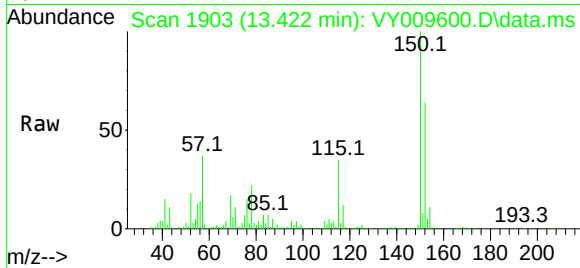




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

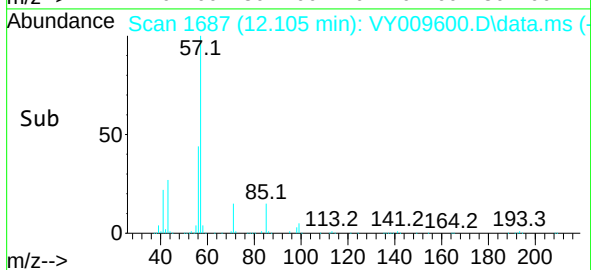
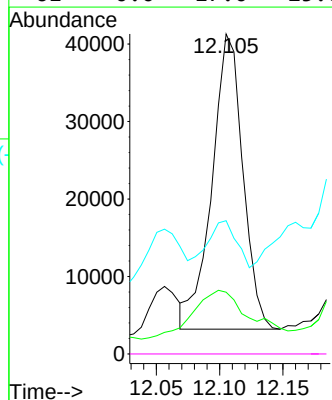
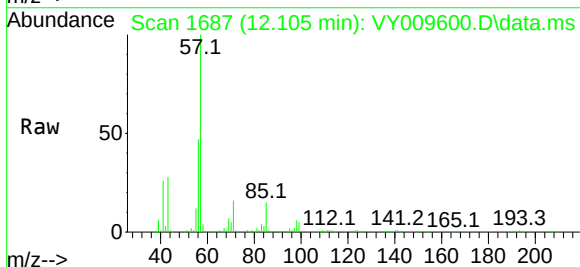
Instrument :
MSVOA_Y
ClientSampleId :
SED-7-(24-30)

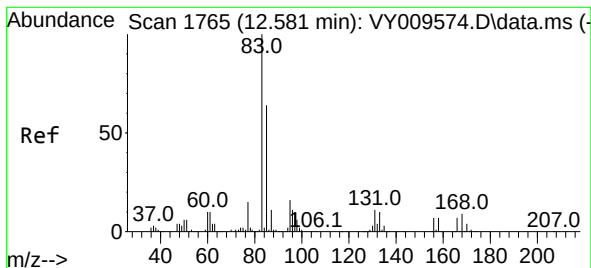
Tgt Ion:152 Resp: 205415
Ion Ratio Lower Upper
152 100
115 53.4 28.2 84.7
150 150.8 0.0 347.6



#74
N-ethyl acetate
Concen: 17.083 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY009600.D
Acq: 19 Jul 2022 19:24

Tgt Ion: 43 Resp: 64615
Ion Ratio Lower Upper
43 100
70 30.7 28.7 43.1
55 28.0 17.3 25.9#
61 0.0 17.0 25.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 3.668 ug/l

RT: 12.562 min Scan# 1

Delta R.T. -0.018 min

Lab File: VY009600.D

Acq: 19 Jul 2022 19:24

Instrument :

MSVOA_Y

ClientSampleId :

SED-7-(24-30)

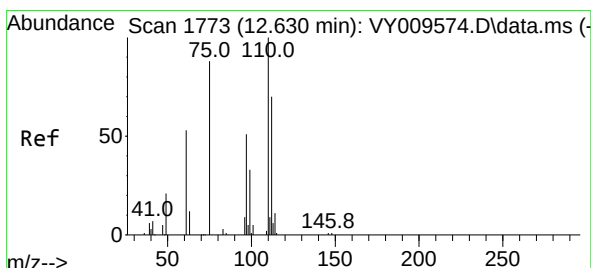
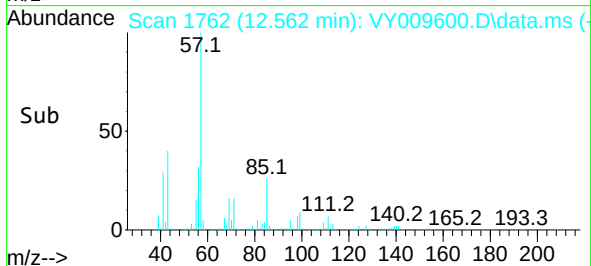
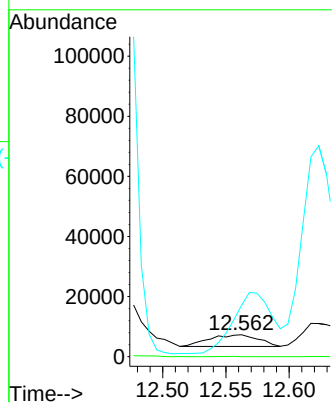
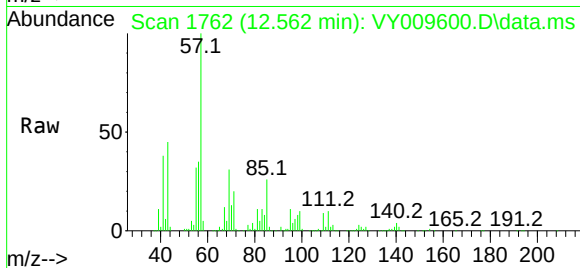
Tgt Ion: 83 Resp: 10446

Ion Ratio Lower Upper

83 100

131 0.8 5.6 16.8#

85 410.5 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 39.881 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY009600.D

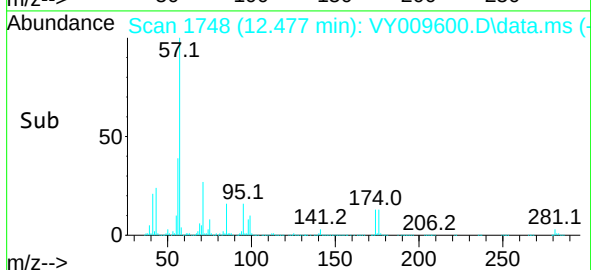
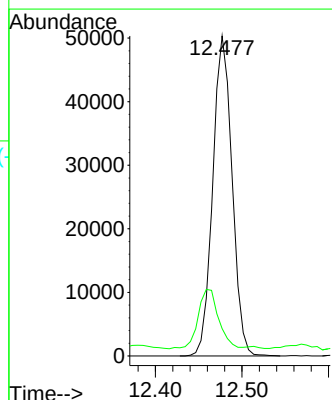
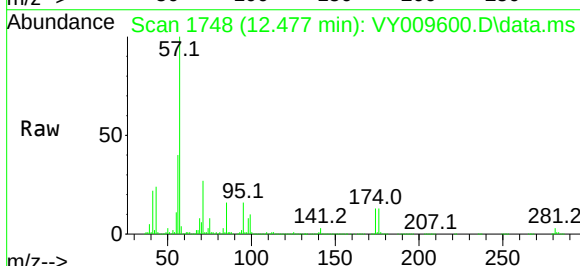
Acq: 19 Jul 2022 19:24

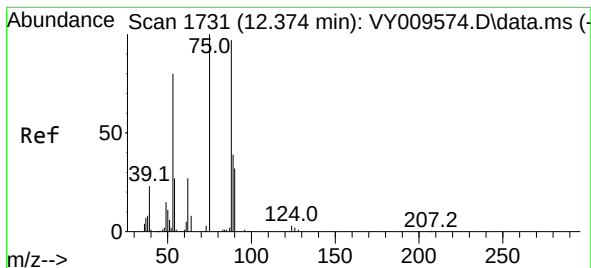
Tgt Ion: 75 Resp: 78040

Ion Ratio Lower Upper

75 100

77 19.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.638 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009600.D
 Acq: 19 Jul 2022 19:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-7-(24-30)

Tgt Ion: 75 Resp: 78040
 Ion Ratio Lower Upper
 75 100
 53 120.2 85.3 127.9
 89 1.1 37.0 55.4#

