

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092821\
 Data File : VU044967.D
 Acq On : 29 Sep 2021 02:08
 Operator : SY/MD
 Sample : M3926-08 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP-1-FD-001-0921DL

Quant Time: Sep 29 05:50:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

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

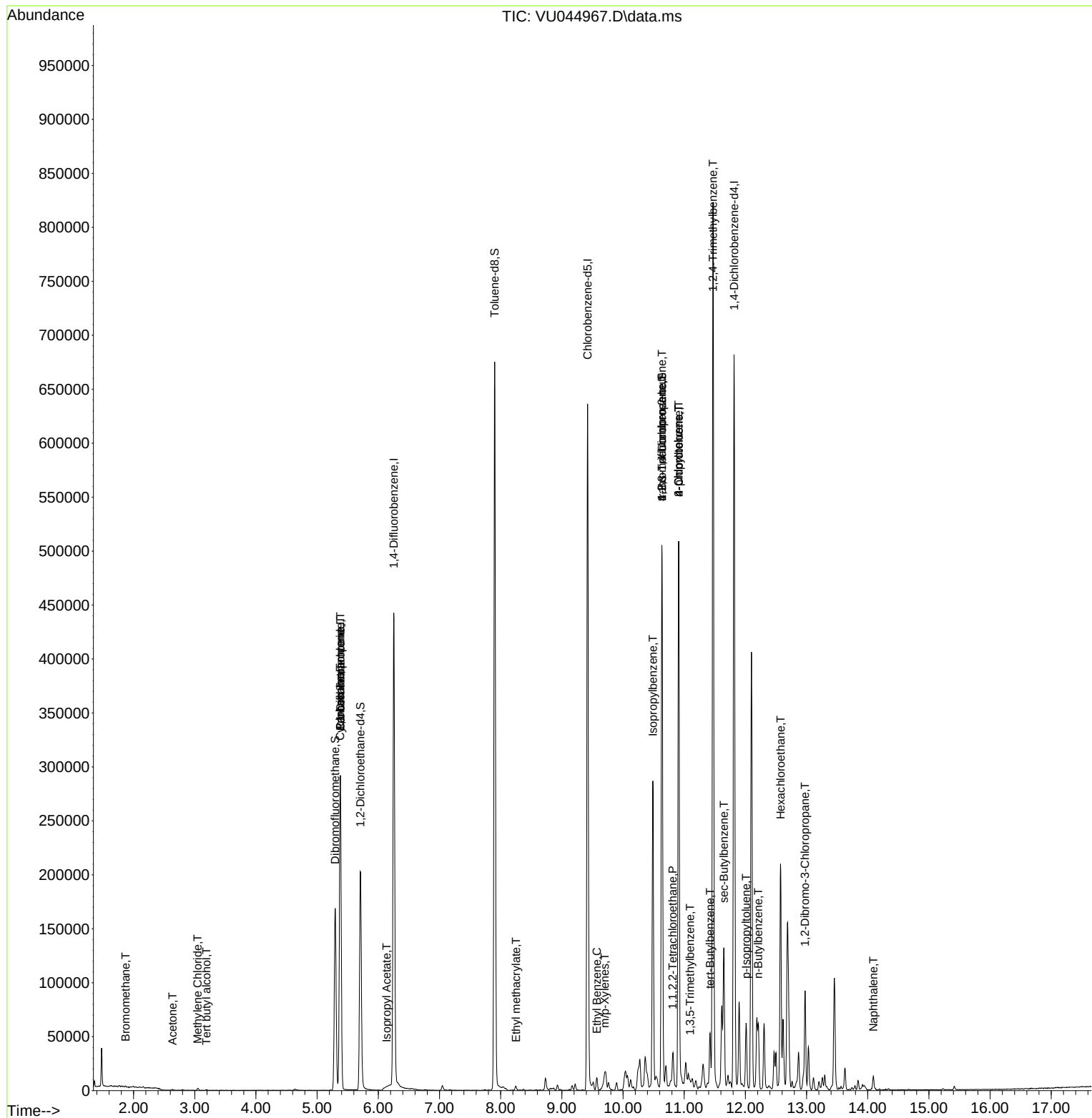
Internal Standards						
1) Pentafluorobenzene	5.378	168	190622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	341263	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	332352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	168454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	157475	49.627	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.260%		
35) Dibromofluoromethane	5.295	113	109617	50.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.840%		
50) Toluene-d8	7.902	98	441816	51.941	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.880%		
62) 4-Bromofluorobenzene	10.635	95	169915	48.384	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.760%		
Target Compounds						Qvalue
5) Bromomethane	1.867	94	285	0.238	ug/l	82
11) Tert butyl alcohol	3.192	59	390	0.428	ug/l #	72
16) Acetone	2.639	43	1110	0.589	ug/l #	43
20) Methylene Chloride	3.047	84	860	0.303	ug/l	96
31) Cyclohexane	5.375	56	5475	1.136	ug/l #	5
36) 1,1-Dichloropropene	5.378	75	17730	4.968	ug/l #	50
38) Carbon Tetrachloride	5.378	117	20185	6.536	ug/l #	16
43) Isopropyl Acetate	6.137	43	3706	0.522	ug/l #	61
56) Ethyl methacrylate	8.253	69	376	1.888	ug/l #	1
67) Ethyl Benzene	9.574	91	5891	0.459	ug/l	98
68) m/p-Xylenes	9.703	106	1867	0.375	ug/l #	71
73) Isopropylbenzene	10.488	105	176508	14.070	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.812	83	2480	0.457	ug/l #	30
76) 1,2,3-Trichloropropane	10.635	75	91049	18.530	ug/l #	41
78) n-propylbenzene	10.909	91	389302	25.466	ug/l	99
79) 2-Chlorotoluene	10.909	91	389302	40.627	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.095	105	2206	0.201	ug/l #	29
81) trans-1,4-Dichloro-2-b...	10.635	75	91049	51.425	ug/l #	9
82) 4-Chlorotoluene	10.909	91	389302	35.943	ug/l #	47
83) tert-Butylbenzene	11.423	119	17383	1.626	ug/l	91
84) 1,2,4-Trimethylbenzene	11.471	105	440703	40.535	ug/l	99
85) sec-Butylbenzene	11.648	105	81059	5.889	ug/l	99
86) p-Isopropyltoluene	12.012	119	32743	2.957	ug/l	95
89) n-Butylbenzene	12.211	91	33663	3.301	ug/l #	78
90) Hexachloroethane	12.574	117	11209	5.606	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.976	75	403	0.315	ug/l #	7
95) Naphthalene	14.092	128	9861	0.793	ug/l	97

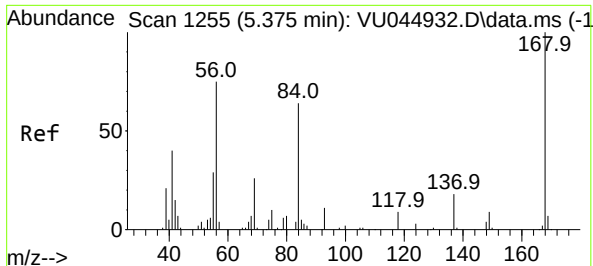
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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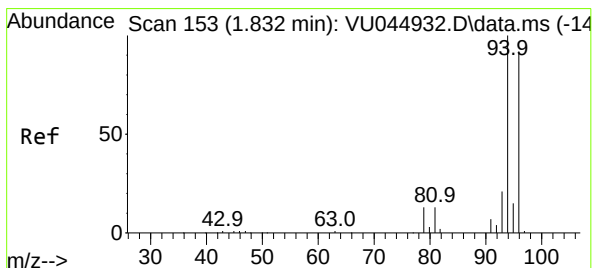
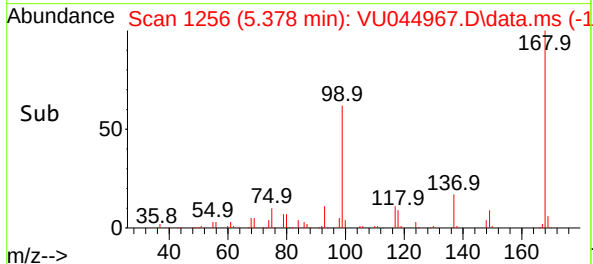
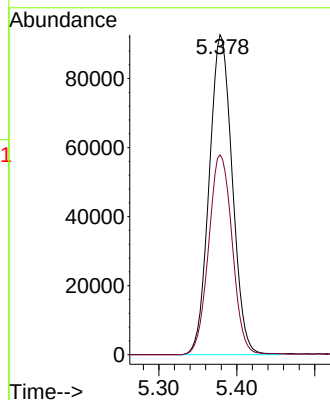
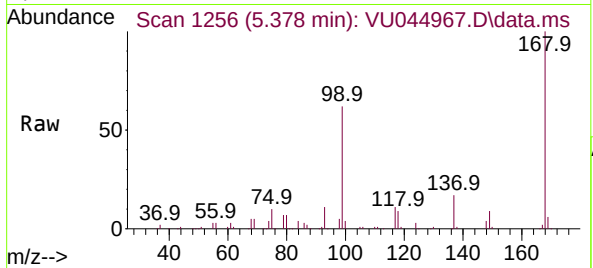




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

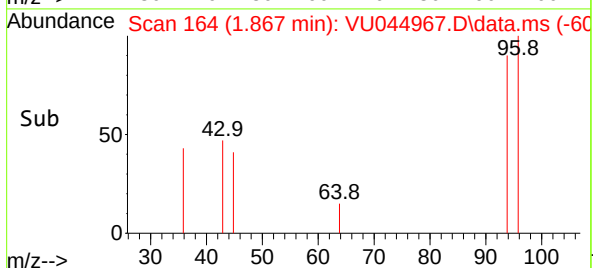
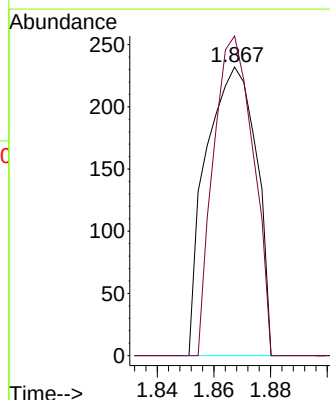
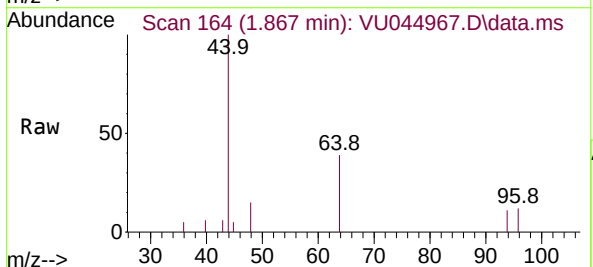
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

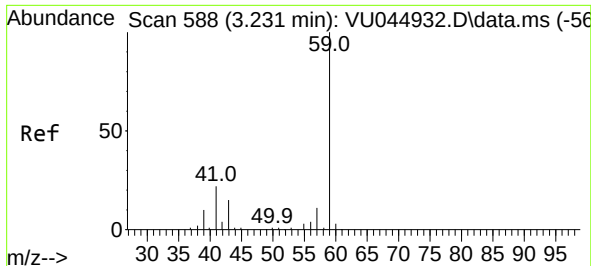
Tgt Ion:168 Resp: 190622
Ion Ratio Lower Upper
168 100
99 62.5 51.4 77.0



#5
Bromomethane
Concen: 0.238 ug/l
RT: 1.867 min Scan# 164
Delta R.T. 0.035 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 110.8 74.5 111.7





#11

Tert butyl alcohol

Concen: 0.428 ug/l

RT: 3.192 min Scan# 51

Delta R.T. -0.039 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

Instrument :

MSVOA_U

ClientSampleId :

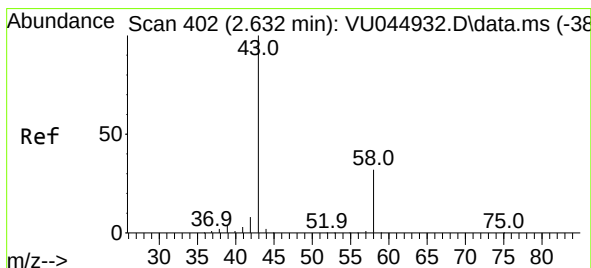
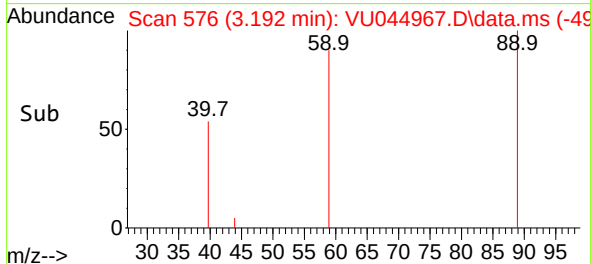
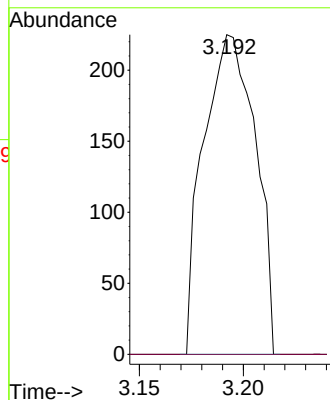
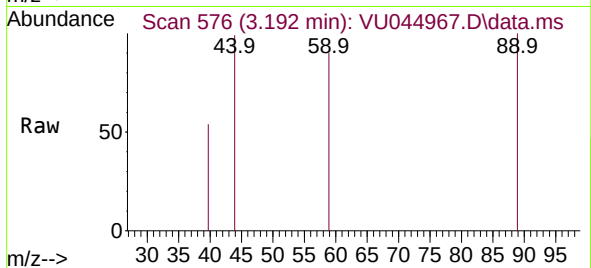
EP-1-FD-001-0921DL

Tgt Ion: 59 Resp: 390

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.589 ug/l

RT: 2.639 min Scan# 404

Delta R.T. 0.007 min

Lab File: VU044967.D

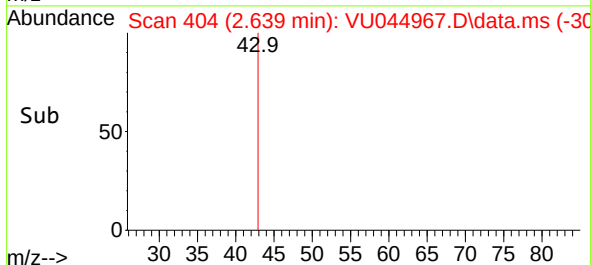
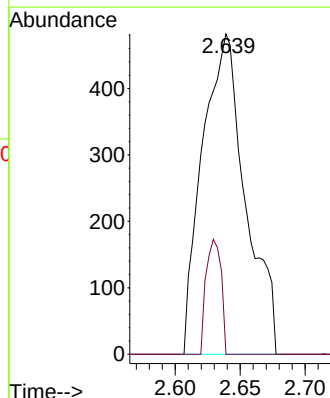
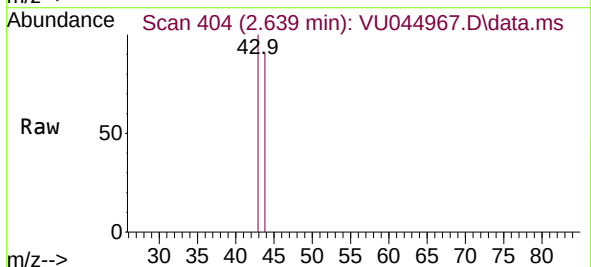
Acq: 29 Sep 2021 02:08

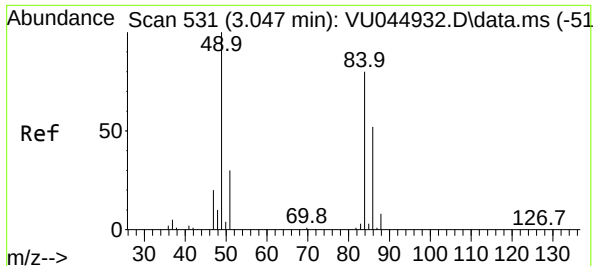
Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#

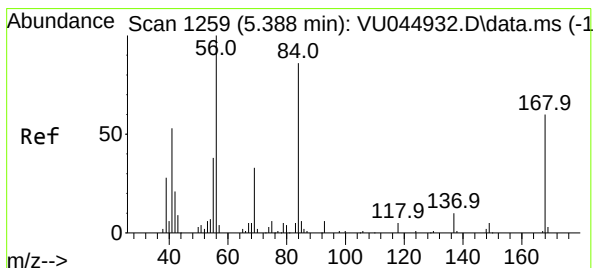
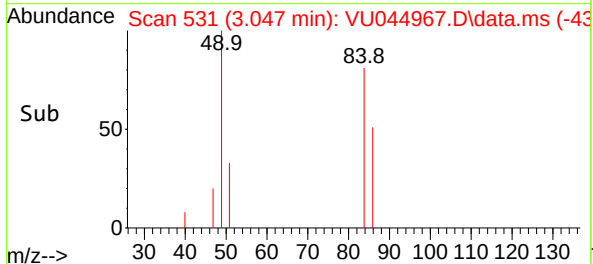
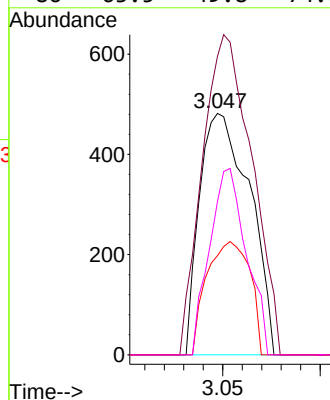
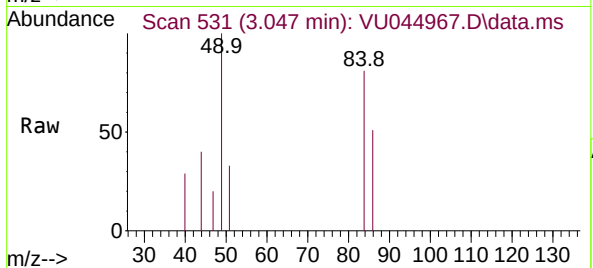




#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 3.047 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

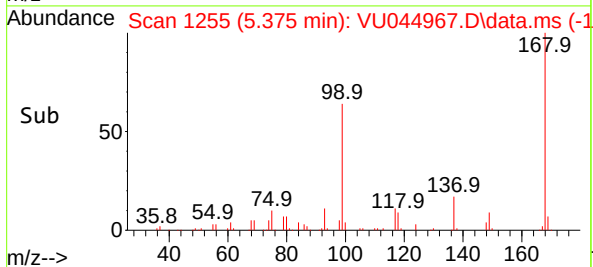
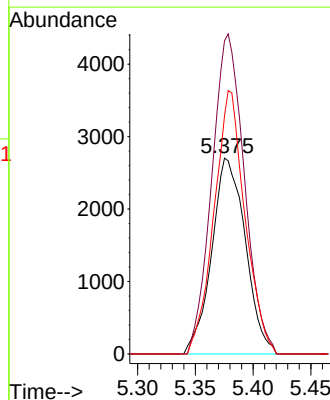
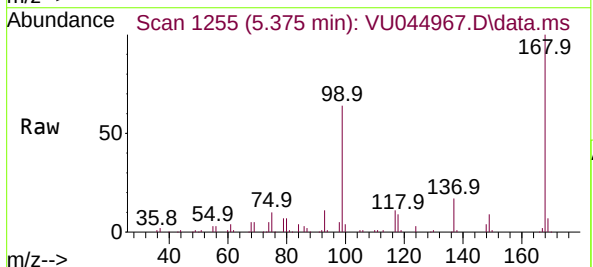
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

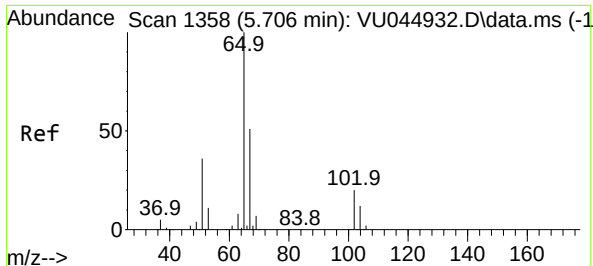
Tgt Ion:	84	Resp:	860
Ion	Ratio	Lower	Upper
84	100		
49	123.7	104.9	157.3
51	41.1	31.8	47.8
86	63.5	49.8	74.6



#31
Cyclohexane
Concen: 1.136 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.013 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion:	56	Resp:	5475
Ion	Ratio	Lower	Upper
56	100		
69	160.0	25.2	37.8#
84	121.7	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.627 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

Instrument :

MSVOA_U

ClientSampleId :

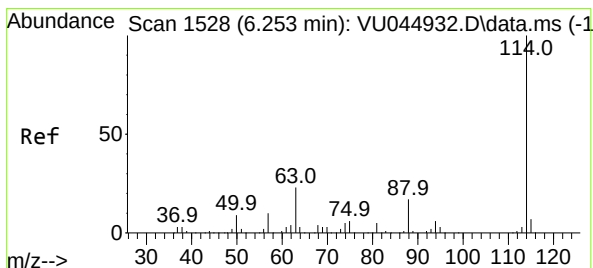
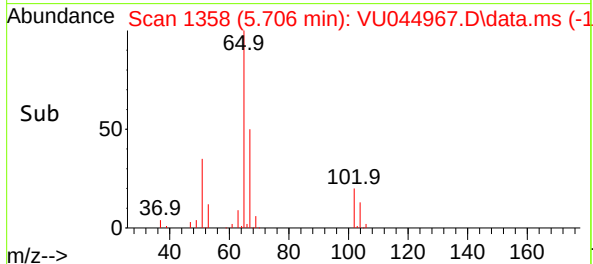
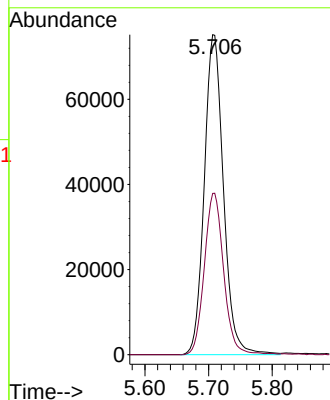
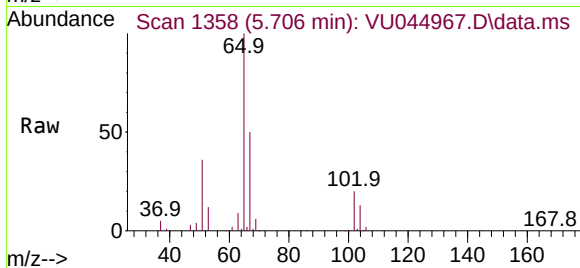
EP-1-FD-001-0921DL

Tgt Ion: 65 Resp: 157475

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

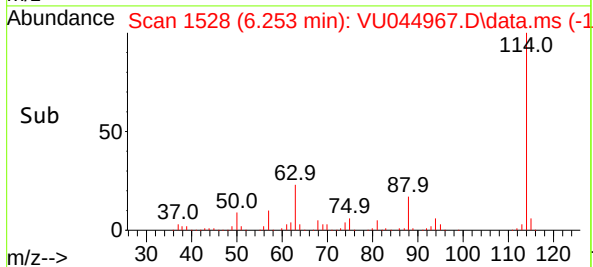
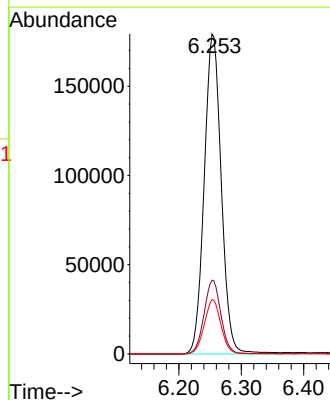
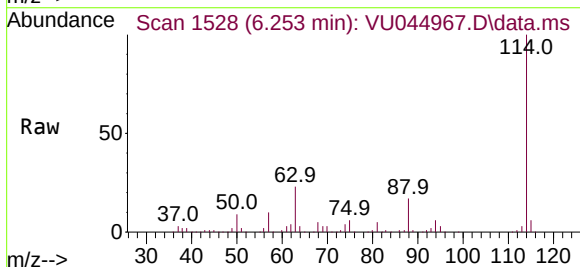
Tgt Ion: 114 Resp: 341263

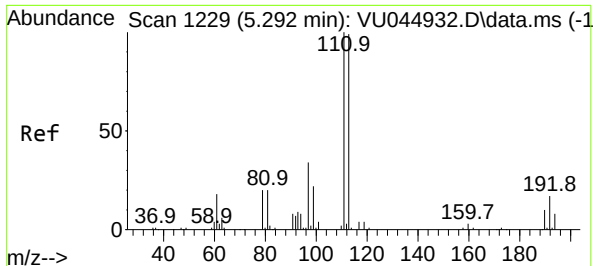
Ion Ratio Lower Upper

114 100

63 23.1 0.0 47.8

88 16.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.918 ug/l

RT: 5.295 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU044967.D

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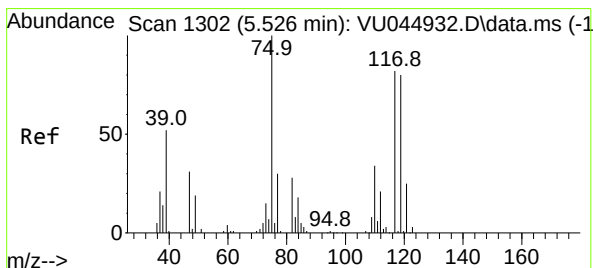
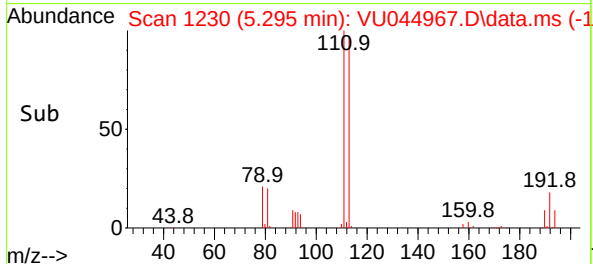
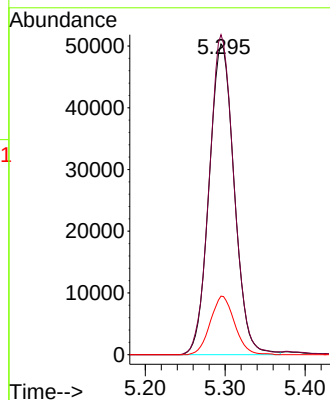
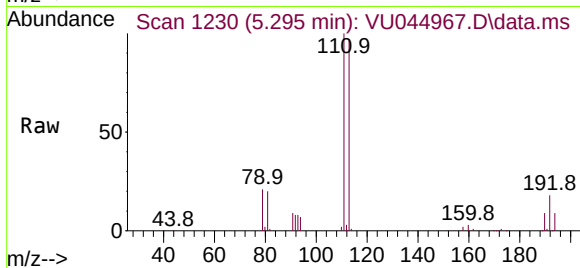
Tgt Ion:113 Resp: 109617

Ion Ratio Lower Upper

113 100

111 101.5 84.1 126.1

192 18.3 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.968 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.148 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

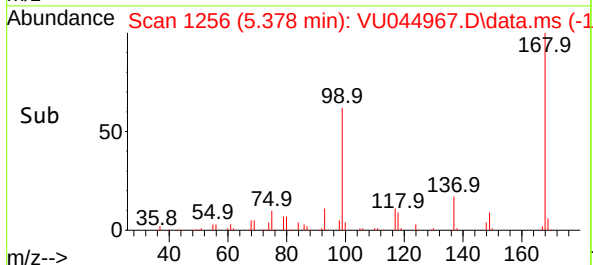
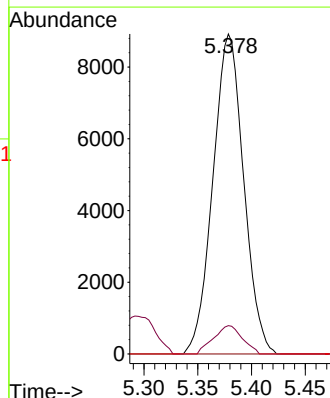
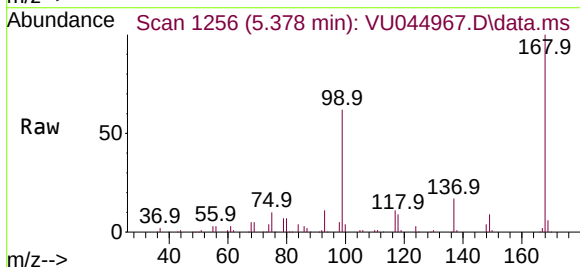
Tgt Ion: 75 Resp: 17730

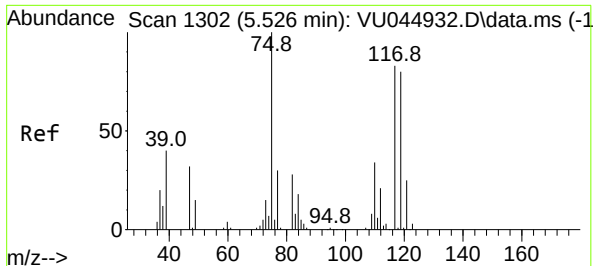
Ion Ratio Lower Upper

75 100

110 8.3 16.3 48.9#

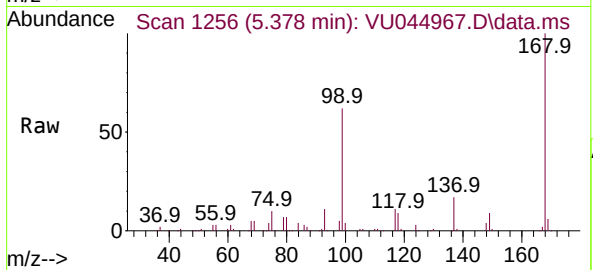
77 0.0 25.0 37.4#



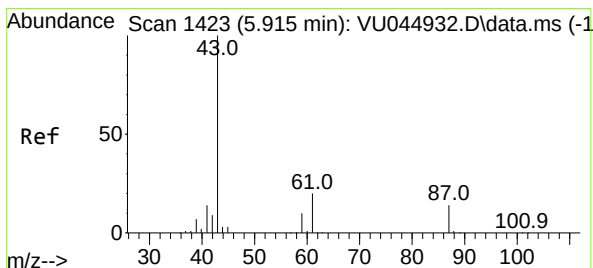
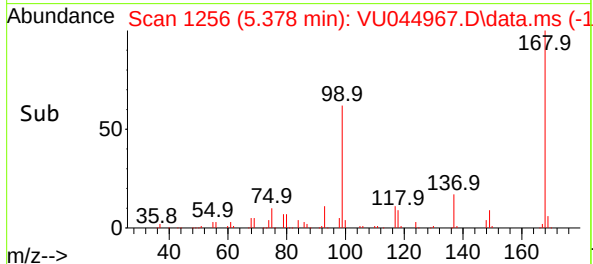
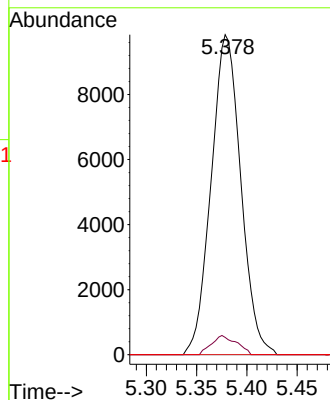


#38
Carbon Tetrachloride
Concen: 6.536 ug/l
RT: 5.378 min Scan# 117
Delta R.T. -0.148 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Instrument :
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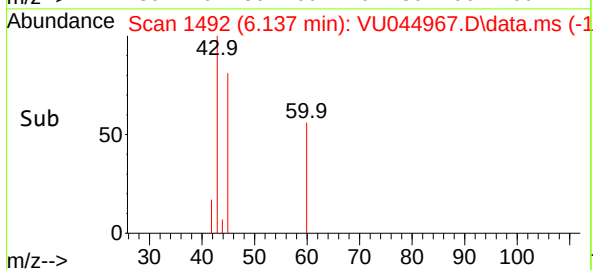
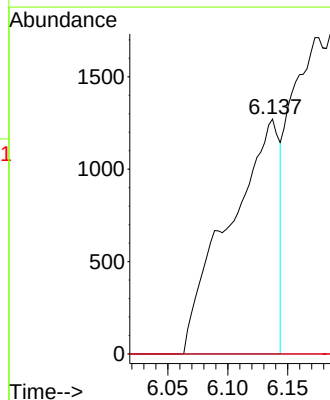
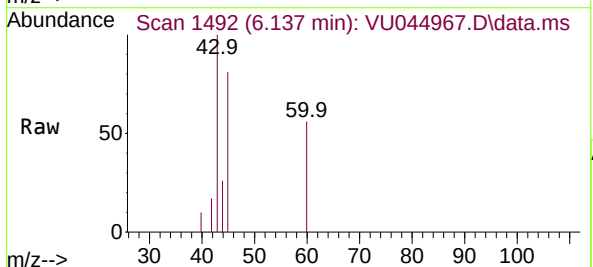


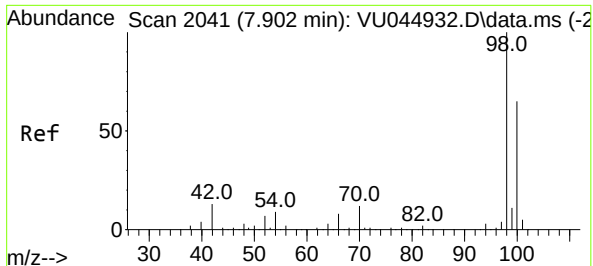
Tgt Ion:117 Resp: 20185
Ion Ratio Lower Upper
117 100
119 5.4 77.4 116.2#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.522 ug/l
RT: 6.137 min Scan# 1492
Delta R.T. 0.222 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 43 Resp: 3706
Ion Ratio Lower Upper
43 100
61 0.0 16.1 24.1#
87 0.0 10.3 15.5#

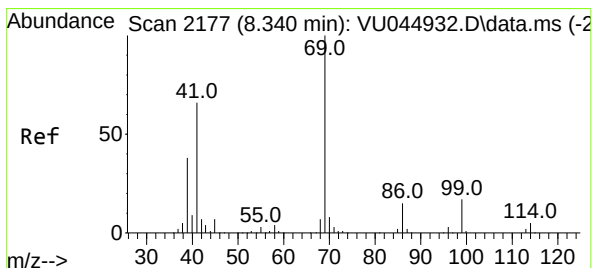
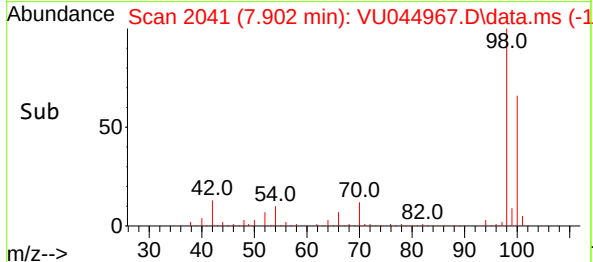
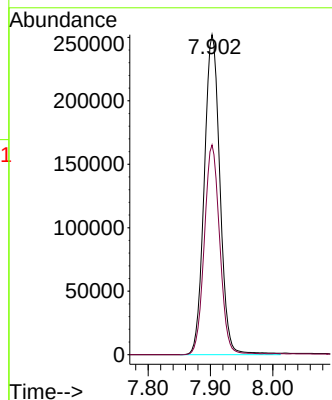
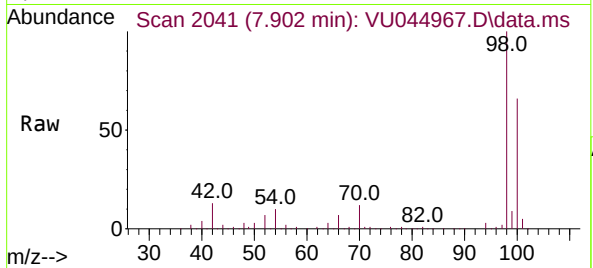




#50
Toluene-d8
Concen: 51.941 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

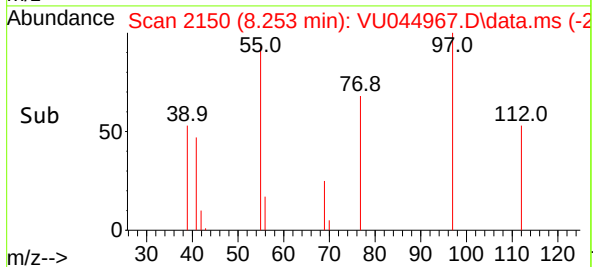
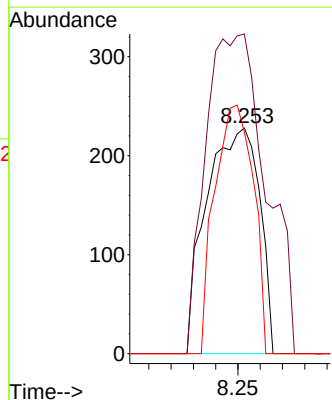
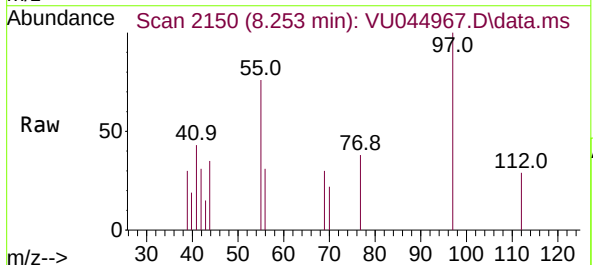
Instrument :
MSVOA_U
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EP-1-FD-001-0921DL

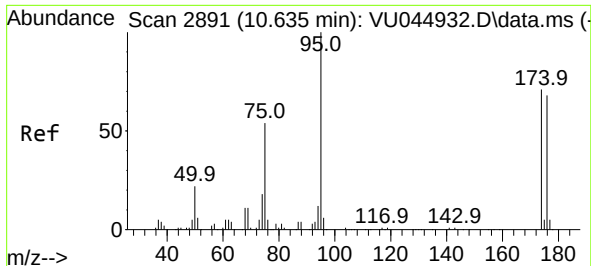
Tgt Ion: 98 Resp: 441816
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#56
Ethyl methacrylate
Concen: 1.888 ug/l
RT: 8.253 min Scan# 2150
Delta R.T. -0.087 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 69 Resp: 376
Ion Ratio Lower Upper
69 100
41 161.7 53.5 80.3#
39 80.3 31.1 46.7#

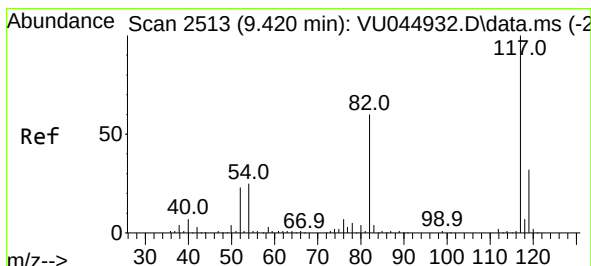
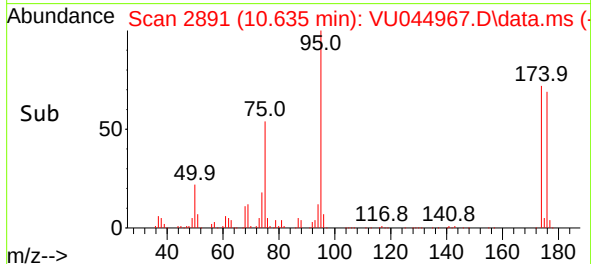
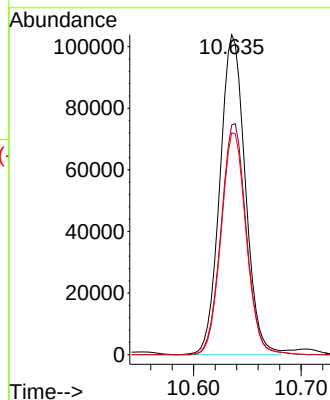
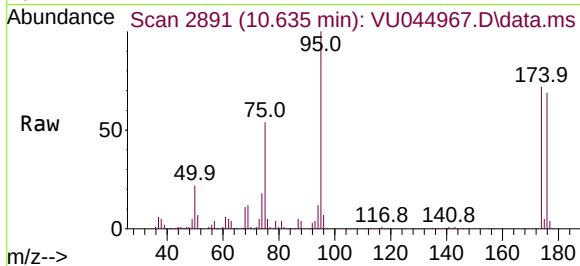




#62
4-Bromofluorobenzene
Concen: 48.384 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

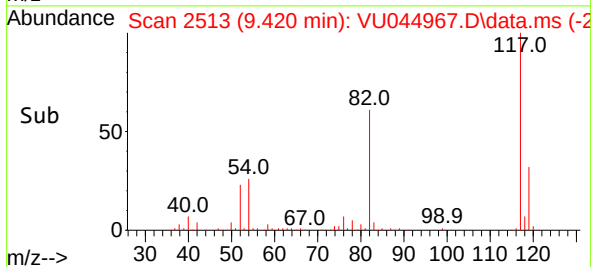
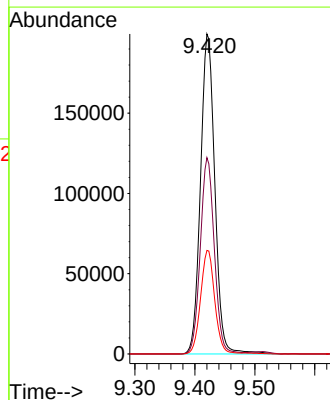
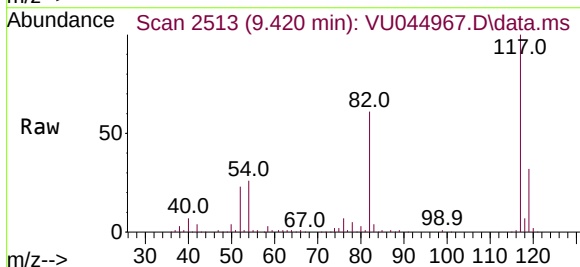
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

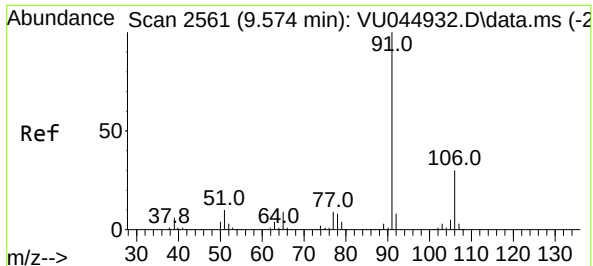
Tgt Ion: 95 Resp: 169915
Ion Ratio Lower Upper
95 100
174 72.0 0.0 146.6
176 69.2 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 117 Resp: 332352
Ion Ratio Lower Upper
117 100
82 61.3 47.8 71.8
119 32.4 25.8 38.6





#67

Ethyl Benzene

Concen: 0.459 ug/l

RT: 9.574 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU044967.D

Acq: 29 Sep 2021 02:08

Instrument :

MSVOA_U

ClientSampleId :

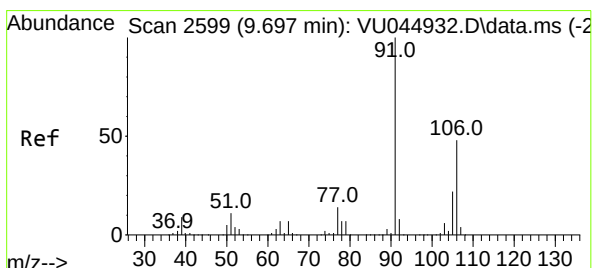
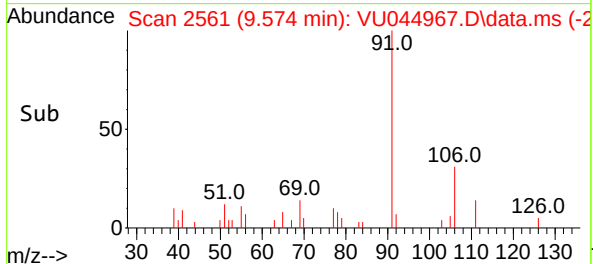
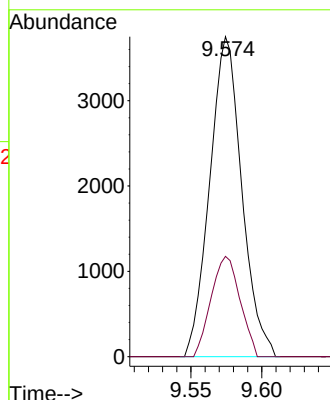
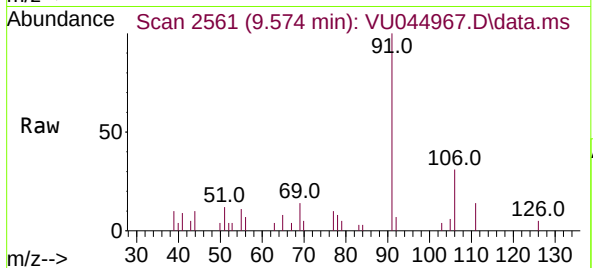
EP-1-FD-001-0921DL

Tgt Ion: 91 Resp: 5891

Ion Ratio Lower Upper

91 100

106 31.3 24.3 36.5



#68

m/p-Xylenes

Concen: 0.375 ug/l

RT: 9.703 min Scan# 2601

Delta R.T. 0.006 min

Lab File: VU044967.D

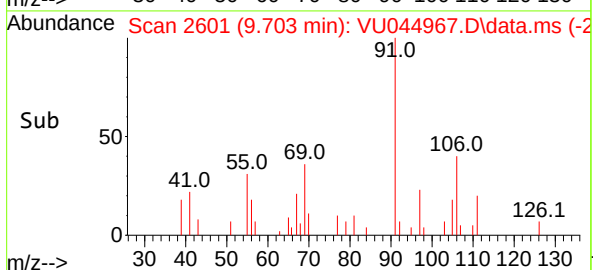
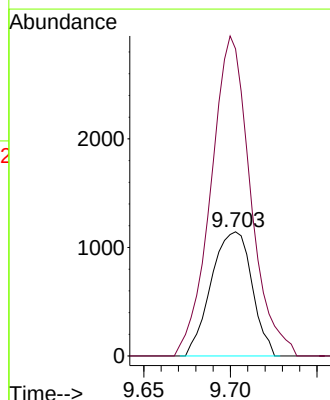
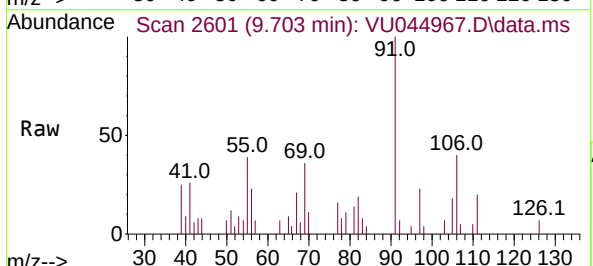
Acq: 29 Sep 2021 02:08

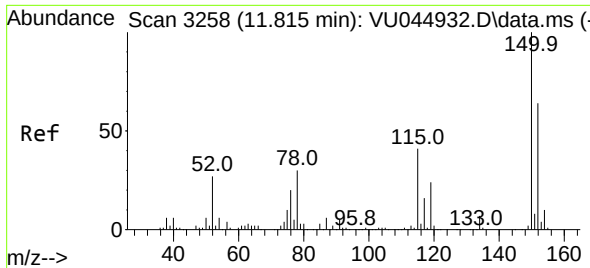
Tgt Ion: 106 Resp: 1867

Ion Ratio Lower Upper

106 100

91 250.4 164.2 246.2#

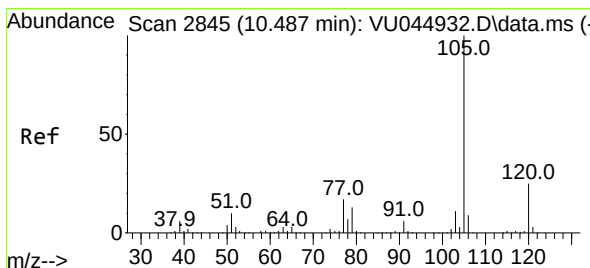
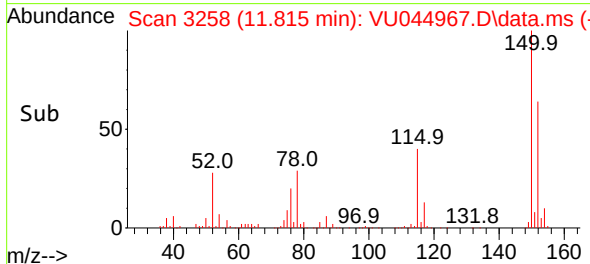
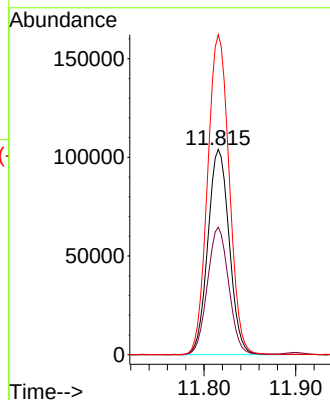
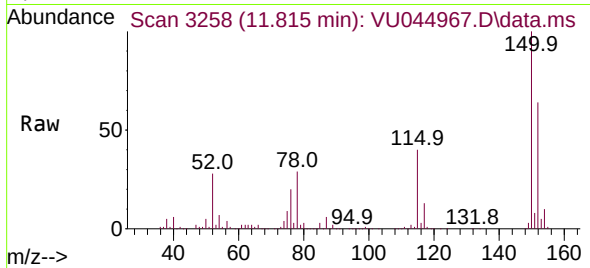




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

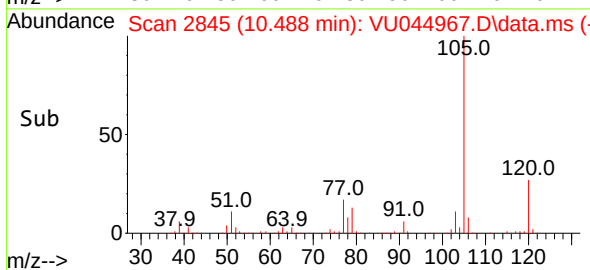
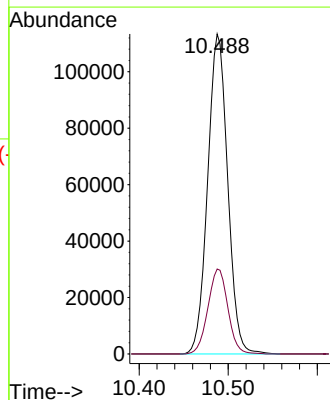
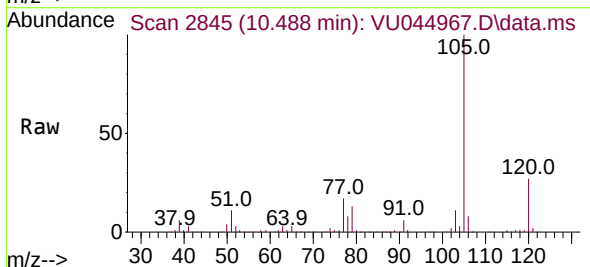
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

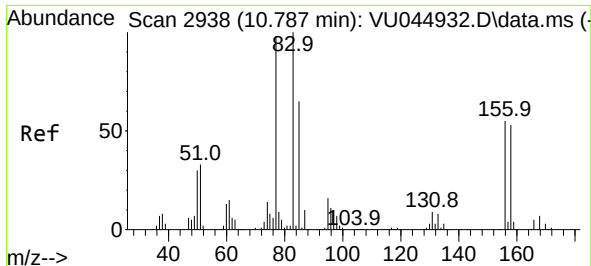
Tgt Ion:152 Resp: 168454
Ion Ratio Lower Upper
152 100
115 61.7 43.5 130.7
150 157.7 0.0 350.0



#73
Isopropylbenzene
Concen: 14.070 ug/l
RT: 10.488 min Scan# 2845
Delta R.T. 0.001 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion:105 Resp: 176508
Ion Ratio Lower Upper
105 100
120 26.5 12.8 38.3

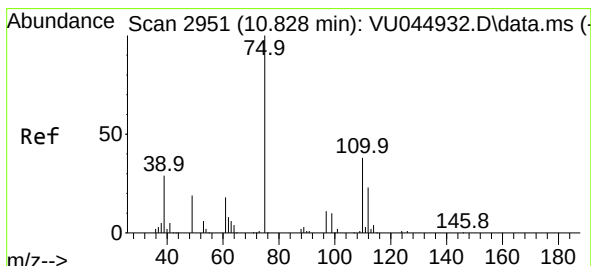
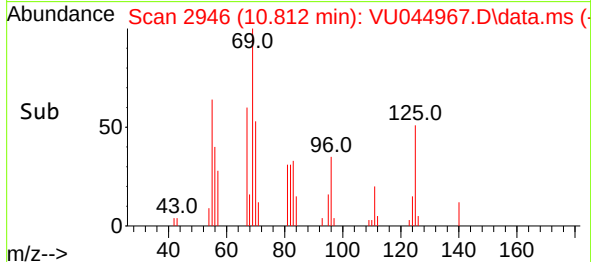
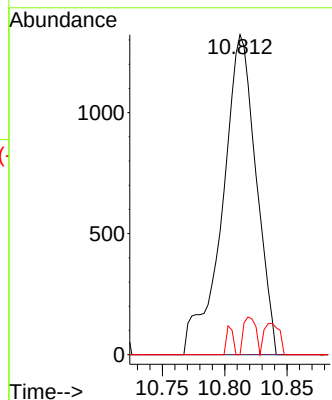
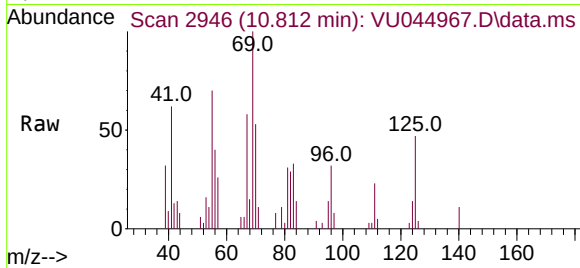




#75
1,1,2,2-Tetrachloroethane
Concen: 0.457 ug/l
RT: 10.812 min Scan# 2891
Delta R.T. 0.025 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

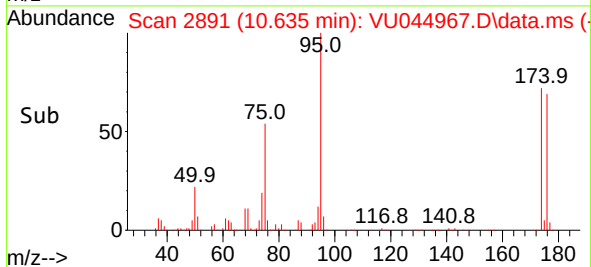
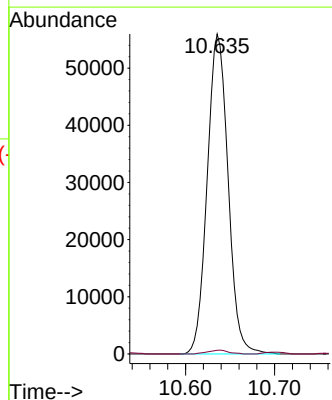
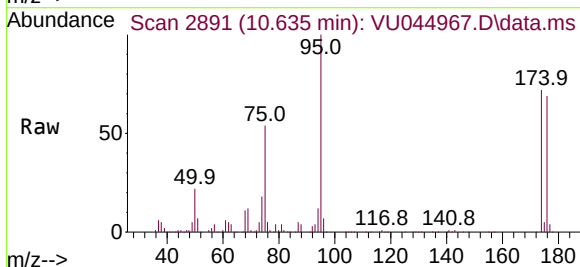
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

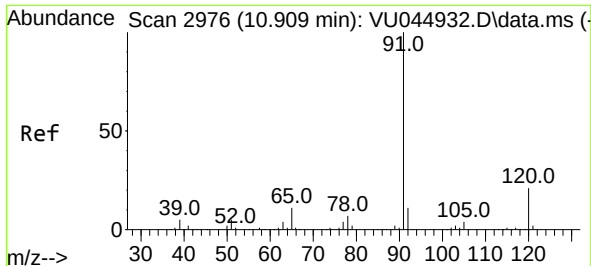
Tgt Ion: 83 Resp: 2480
Ion Ratio Lower Upper
83 100
131 0.0 4.3 13.1#
85 4.3 31.9 95.5#



#76
1,2,3-Trichloropropane
Concen: 18.530 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 75 Resp: 91049
Ion Ratio Lower Upper
75 100
77 1.2 17.9 53.7#

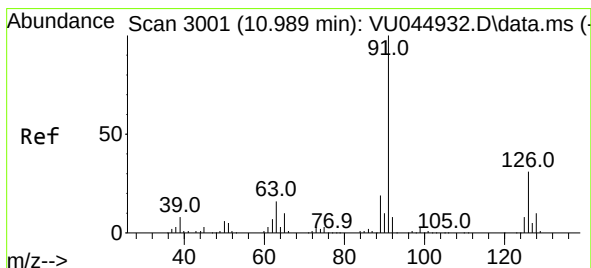
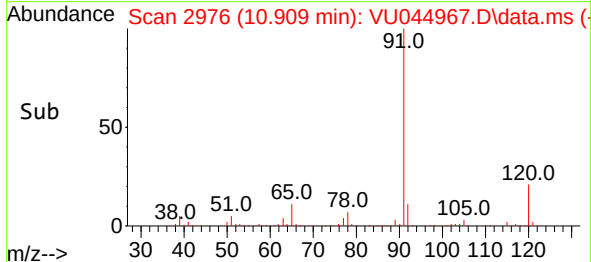
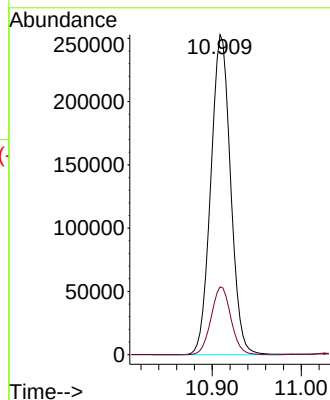
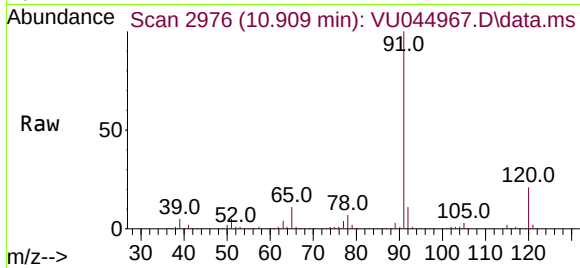




#78
n-propylbenzene
Concen: 25.466 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

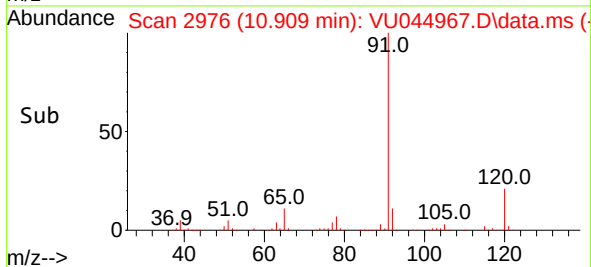
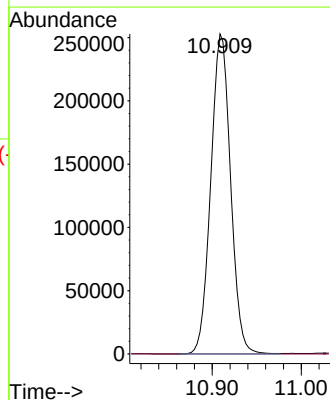
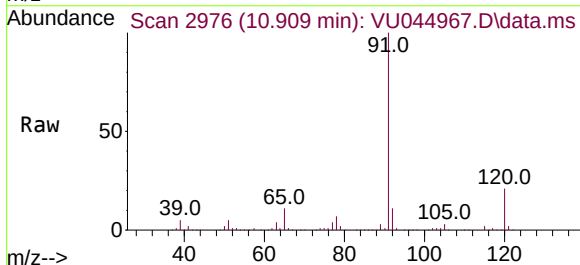
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

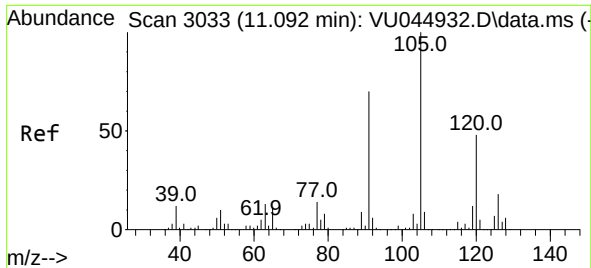
Tgt Ion: 91 Resp: 389302
Ion Ratio Lower Upper
91 100
120 21.2 10.8 32.4



#79
2-Chlorotoluene
Concen: 40.627 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.080 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 91 Resp: 389302
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.0#

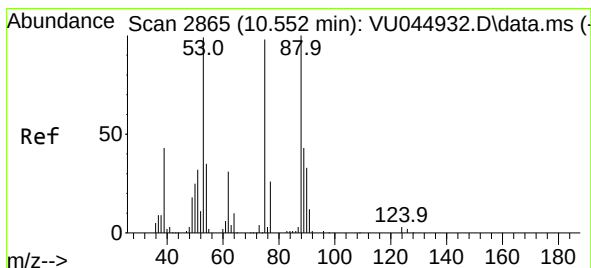
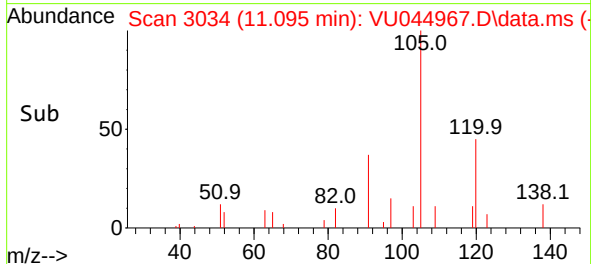
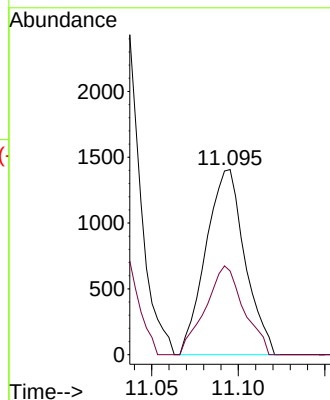
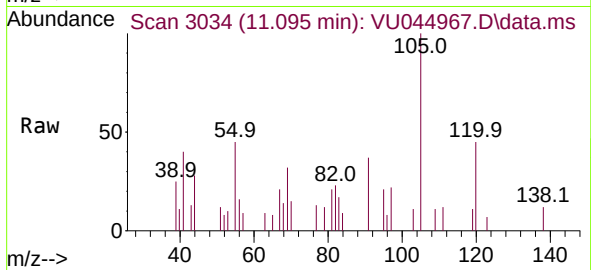




#80
1,3,5-Trimethylbenzene
Concen: 0.201 ug/l
RT: 11.095 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

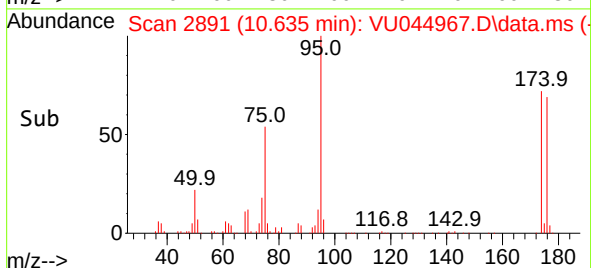
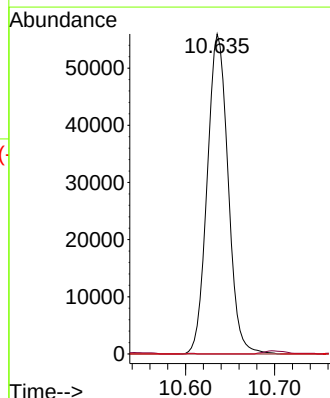
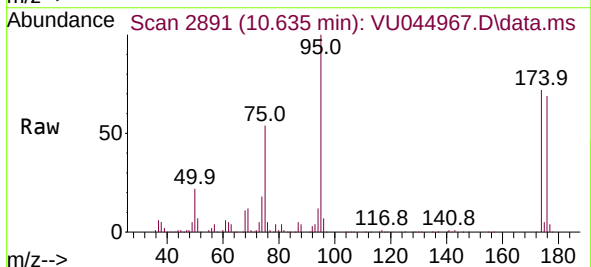
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

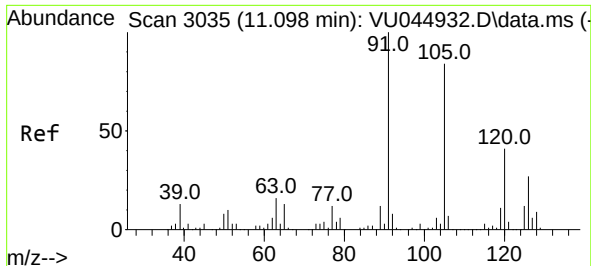
Tgt Ion:105 Resp: 2206
Ion Ratio Lower Upper
105 100
120 0.0 24.1 72.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.425 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 75 Resp: 91049
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

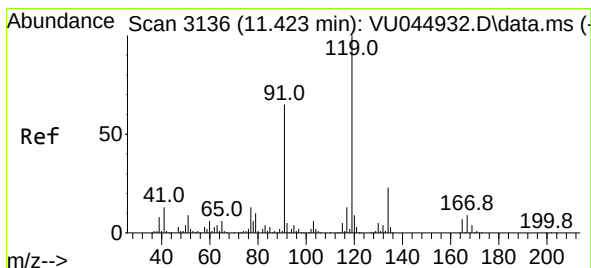
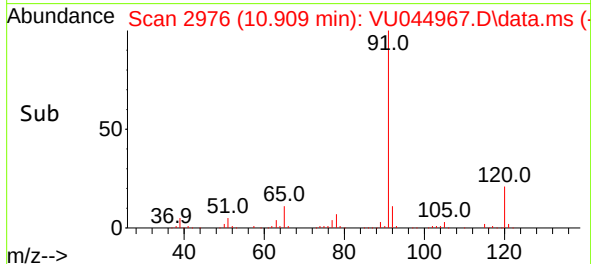
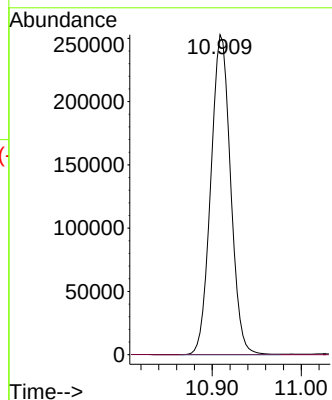
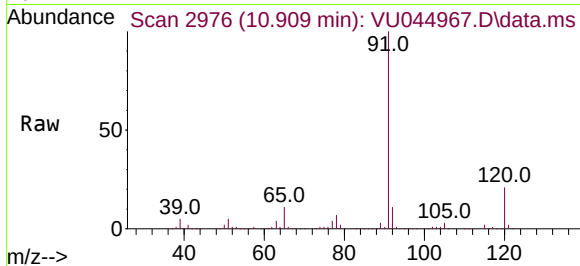




#82
4-Chlorotoluene
Concen: 35.943 ug/l
RT: 10.909 min Scan# 2976
Delta R.T. -0.189 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

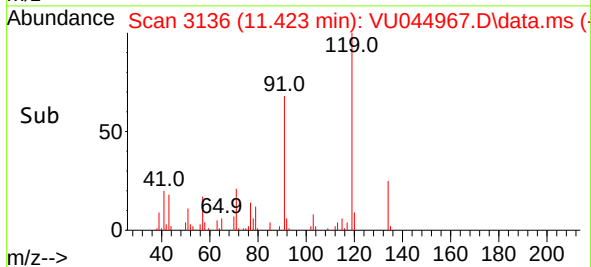
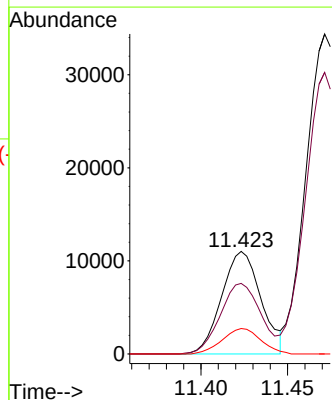
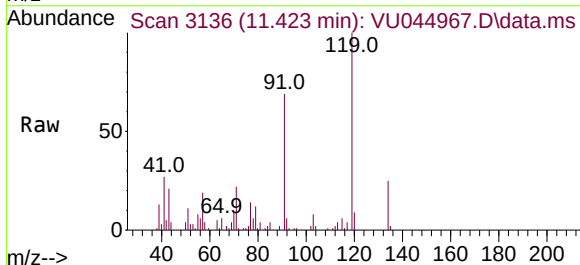
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

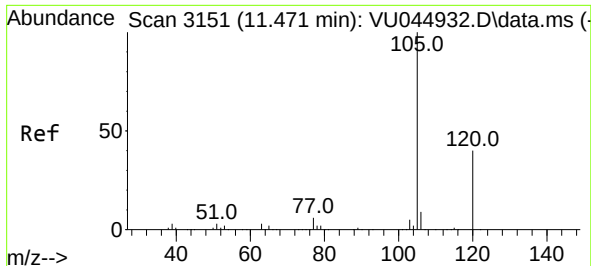
Tgt Ion: 91 Resp: 389302
Ion Ratio Lower Upper
91 100
126 0.0 13.8 41.4#



#83
tert-Butylbenzene
Concen: 1.626 ug/l
RT: 11.423 min Scan# 3136
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 119 Resp: 17383
Ion Ratio Lower Upper
119 100
91 69.9 30.4 91.2
134 24.3 11.5 34.5

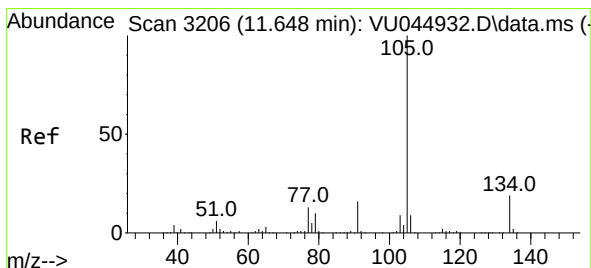
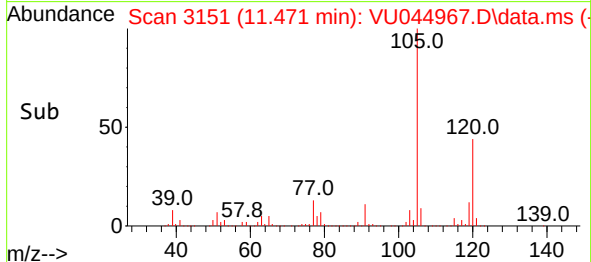
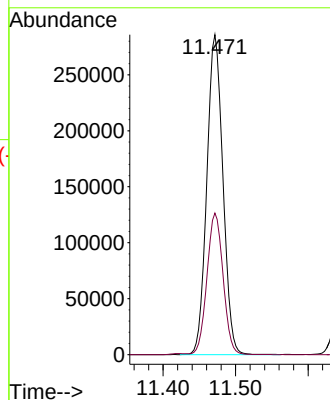
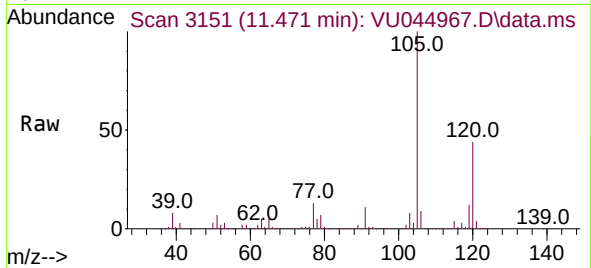




#84
1,2,4-Trimethylbenzene
Concen: 40.535 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

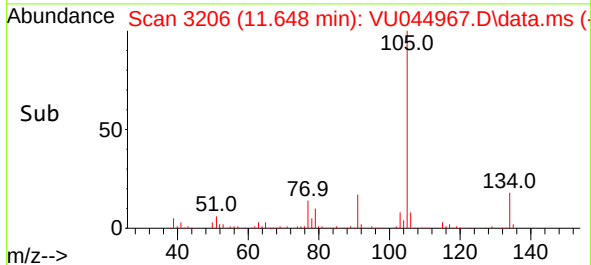
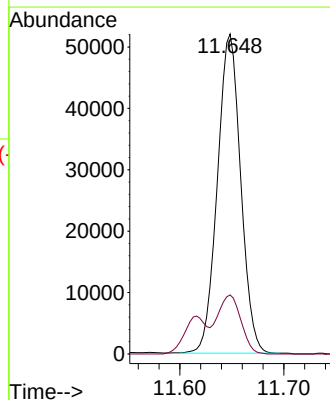
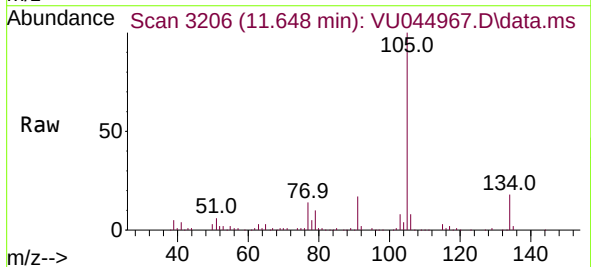
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

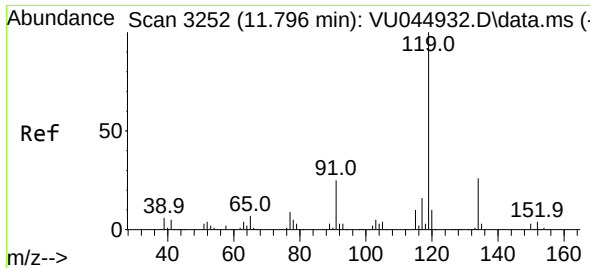
Tgt Ion:105 Resp: 440703
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.3



#85
sec-Butylbenzene
Concen: 5.889 ug/l
RT: 11.648 min Scan# 3206
Delta R.T. 0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion:105 Resp: 81059
Ion Ratio Lower Upper
105 100
134 18.5 9.3 28.0

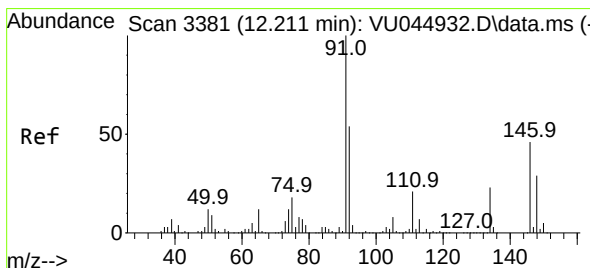
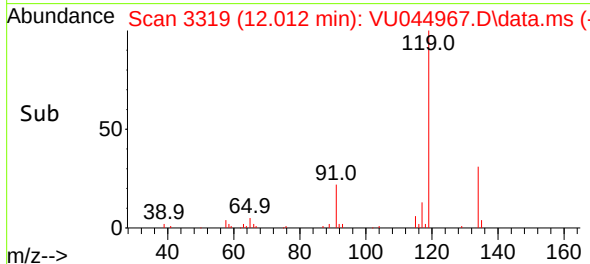
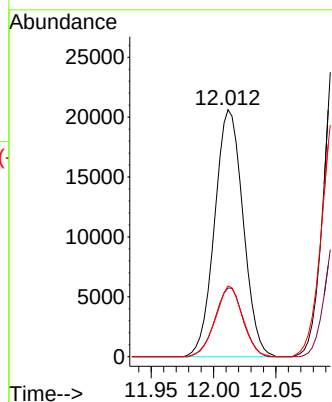
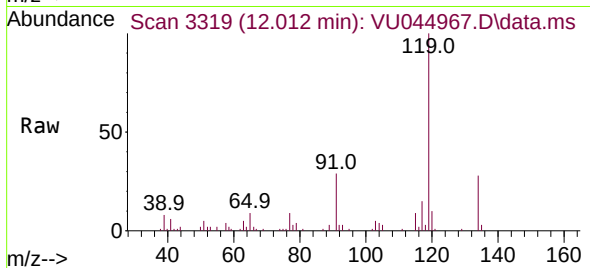




#86
p-Isopropyltoluene
Concen: 2.957 ug/l
RT: 12.012 min Scan# 3319
Delta R.T. 0.216 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

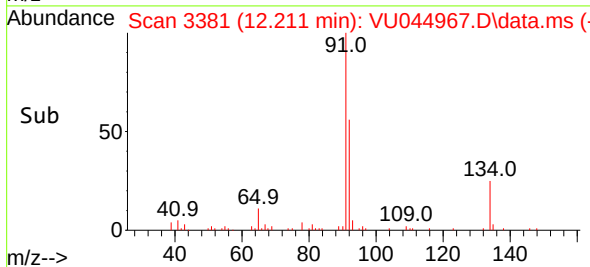
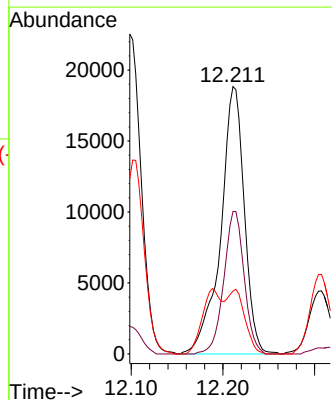
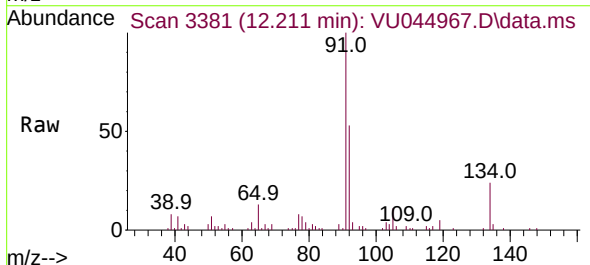
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ClientSampleId :
EP-1-FD-001-0921DL

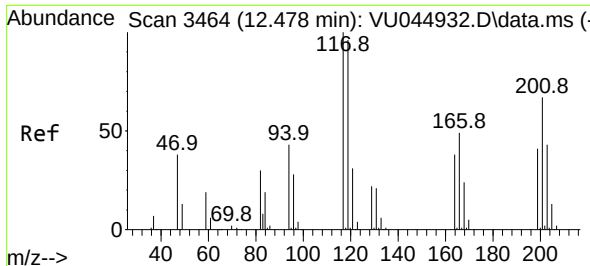
Tgt Ion:119 Resp: 32743
Ion Ratio Lower Upper
119 100
134 27.4 12.8 38.3
91 27.6 12.2 36.6



#89
n-Butylbenzene
Concen: 3.301 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. -0.000 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 91 Resp: 33663
Ion Ratio Lower Upper
91 100
92 46.0 26.8 80.4
134 0.0 11.8 35.4#

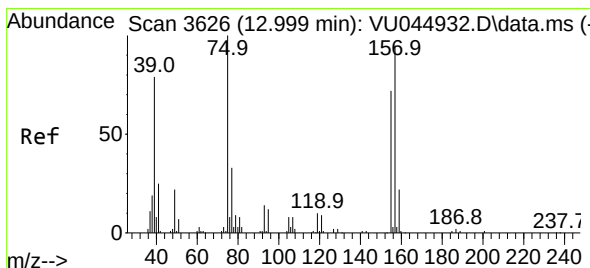
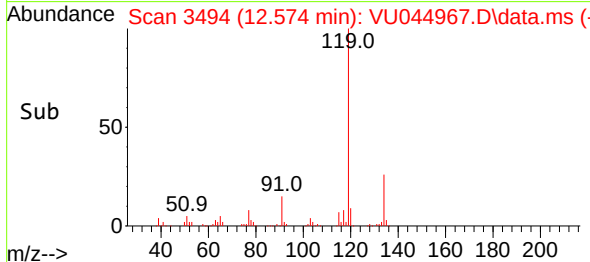
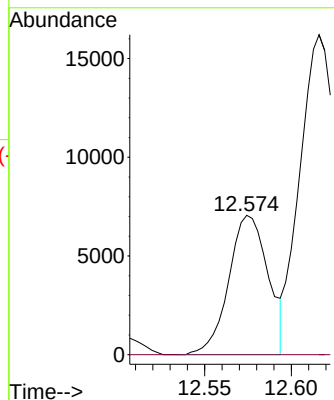
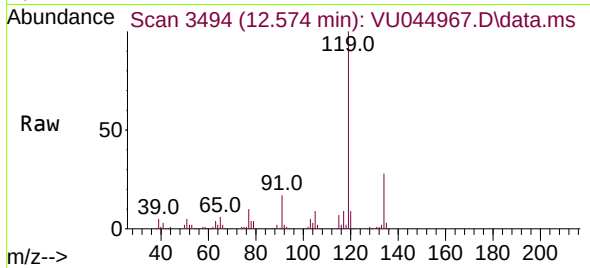




#90
Hexachloroethane
Concen: 5.606 ug/l
RT: 12.574 min Scan# 3464
Delta R.T. 0.096 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

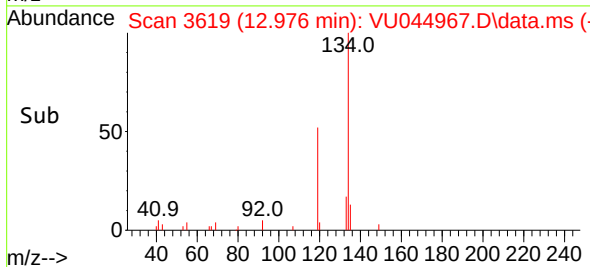
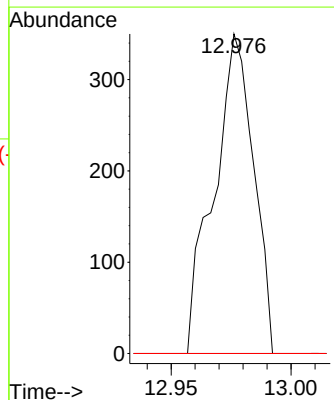
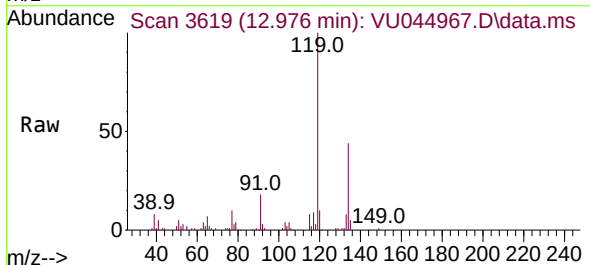
Instrument :
MSVOA_U
ClientSampleId :
EP-1-FD-001-0921DL

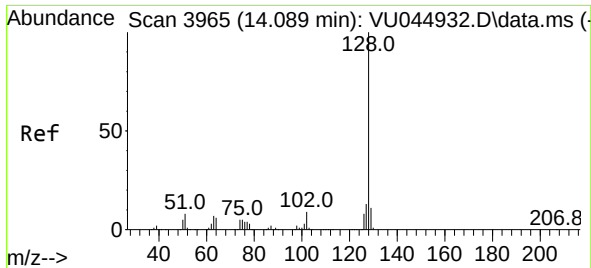
Tgt Ion:117 Resp: 11209
Ion Ratio Lower Upper
117 100
201 0.0 34.8 104.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.315 ug/l
RT: 12.976 min Scan# 3619
Delta R.T. -0.023 min
Lab File: VU044967.D
Acq: 29 Sep 2021 02:08

Tgt Ion: 75 Resp: 403
Ion Ratio Lower Upper
75 100
155 0.0 36.9 110.6#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 0.793 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.003 min

Lab File: VU044967.D

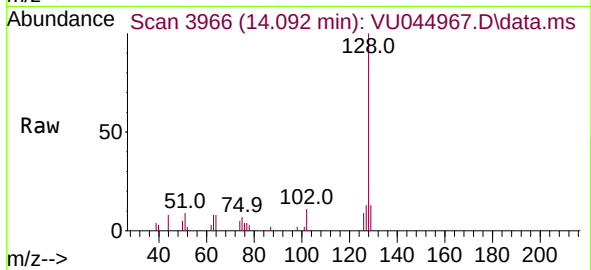
Acq: 29 Sep 2021 02:08

Instrument :

MSVOA_U

ClientSampleId :

EP-1-FD-001-0921DL



Tgt Ion:	128	Resp:	9861
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.9	8.6	13.0

