

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039949.D
 Acq On : 1 Dec 2022 19:40
 Operator : SY/MD
 Sample : N5825-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SS

Quant Time: Dec 02 05:34:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	1182265	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3213786	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2918687	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.757	95	2379272	10.673	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.700	85	87798	0.519	ppbv	99
3) Chlorodifluoromethane	2.645	51	3476308	21.308	ppbv	98
4) Chloromethane	2.787	50	15853	0.152	ppbv	91
7) Chloroethane	3.166	64	1617	0.050	ppbv #	52
9) Propene	2.665	41	419095	5.454	ppbv	95
10) Heptane	7.555	43	26278	0.142	ppbv #	27
11) Trichlorofluoromethane	3.533	101	40048	0.194	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.034	101	9291	0.059	ppbv	95
13) Ethanol	3.218	45	1543421	263.059	ppbv	97
15) Acetone	3.446	43	30966541	197.473	ppbv #	39
16) 1,3-Butadiene	2.935	39	1208997	15.469	ppbv #	15
17) tert-Butyl alcohol	3.864	59	320724	1.779	ppbv #	72
19) Isopropyl Alcohol	3.555	45	4281863	50.431	ppbv #	29
20) Methylene Chloride	3.912	84	2032386	26.751	ppbv	96
21) Allyl Chloride	3.912	41	80848	0.743	ppbv #	41
23) Vinyl Acetate	4.626	43	53753	0.834	ppbv #	49
25) Ethyl Acetate	5.182	43	950523	3.301	ppbv #	75
26) Hexane	5.182	57	1411792	11.225	ppbv #	38
27) Carbon Disulfide	4.092	76	25066	0.158	ppbv #	1
29) Chloroform	5.253	83	397392	2.378	ppbv	99
30) Cyclohexane	6.584	84	3878	0.031	ppbv #	1
31) cis-1,2-Dichloroethene	5.063	61	6348	0.055	ppbv	90
34) 2-Butanone	4.764	43	954383	6.206	ppbv	97
36) Benzene	6.349	78	302996	1.109	ppbv	96
38) Trichloroethene	7.269	130	568889	3.725	ppbv	99
39) 1,2-Dichloropropane	6.629	63	783665	7.363	ppbv #	25
41) Tetrahydrofuran	5.500	42	168692	1.589	ppbv #	44
42) Bromodichloromethane	7.221	83	33217	0.164	ppbv	91
48) Dibromochloromethane	9.690	129	26154	0.163	ppbv	94
50) 4-Methyl-2-Pentanone	8.163	43	315654	1.146	ppbv	95
51) 2-Hexanone	9.545	43	194354	0.909	ppbv #	92
52) Tetrachloroethene	10.671	164	35914350	351.441	ppbv	93
53) Toluene	9.195	91	373709	1.201	ppbv	98
57) Chlorobenzene	11.516	112	7708	0.035	ppbv #	82
58) Ethyl Benzene	12.076	91	302081	0.763	ppbv	90
59) m/p-Xylene	12.327	91	982491	2.965	ppbv	98
60) o-Xylene	13.040	91	456655	1.445	ppbv	98
61) Styrene	12.880	104	59578	0.316	ppbv	93
62) Isopropylbenzene	14.011	105	200222	0.439	ppbv	98
64) n-propylbenzene	14.912	120	3738	0.031	ppbv #	1
65) tert-Butylbenzene	16.082	119	152897	0.383	ppbv #	62
66) Benzyl Chloride	16.442	91	1235	0.036	ppbv #	1
67) sec-Butylbenzene	16.616	105	59419	0.108	ppbv #	66

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Instrument :
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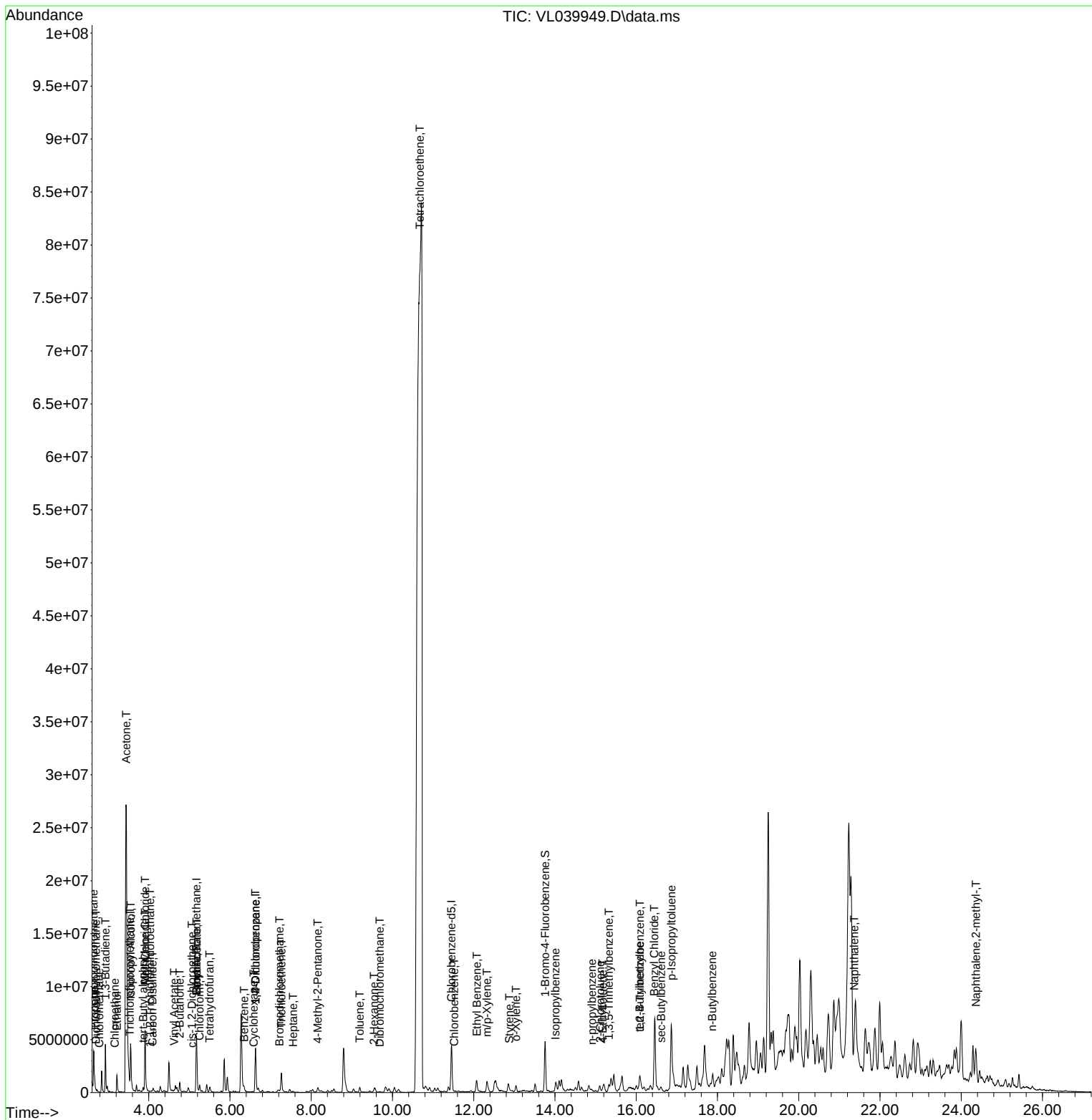
Quant Time: Dec 02 05:34:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

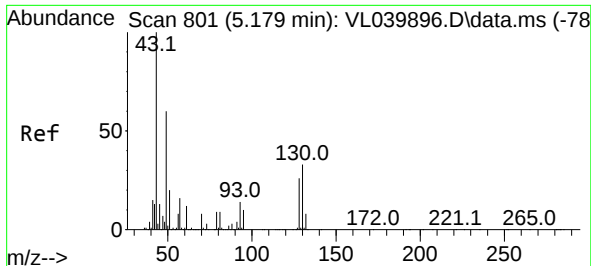
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

69) p-Isopropyltoluene	16.867	119	158175	0.350	ppbv	92
70) n-Butylbenzene	17.873	91	239292	0.534	ppbv #	1
71) 2-Chlorotoluene	15.114	91	12551	0.036	ppbv	97
72) 4-Ethyltoluene	15.172	105	76142	0.214	ppbv #	68
73) 1,3,5-Trimethylbenzene	15.330	105	249397	0.767	ppbv	95
74) 1,2,4-Trimethylbenzene	16.089	105	803267	2.333	ppbv #	74
79) Naphthalene	21.365	128	662315	3.214	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	15117	0.261	ppbv #	2

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

Quant Time: Dec 02 05:34:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 05:29:35 2022
Response via : Initial Calibration

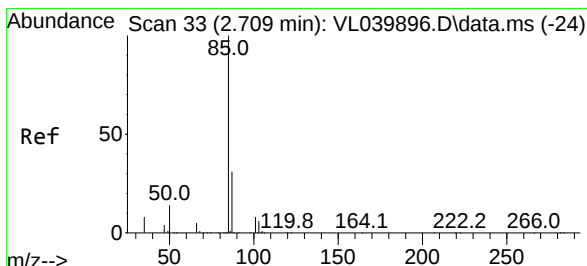
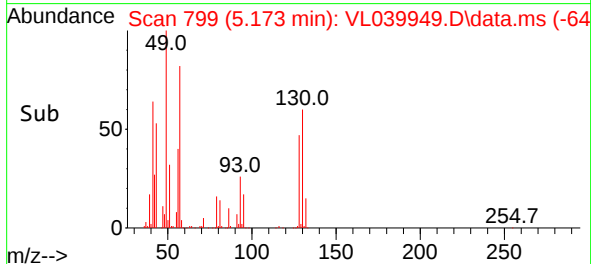
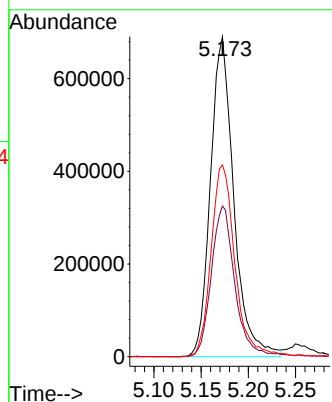
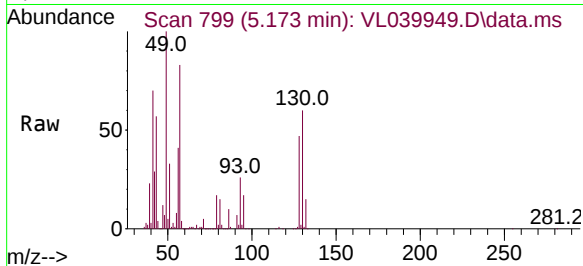




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.173 min Scan# 79
Delta R.T. -0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

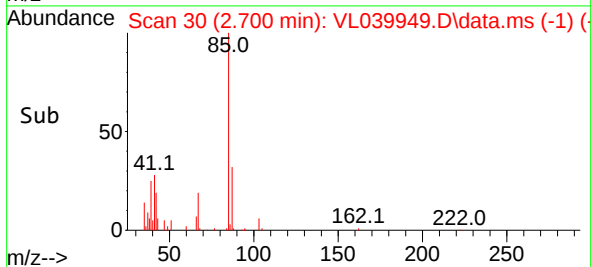
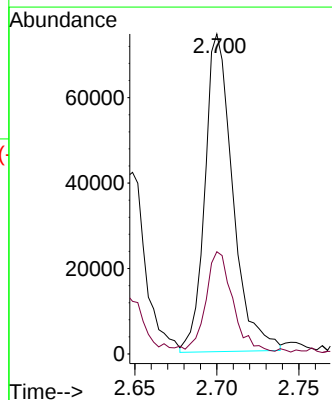
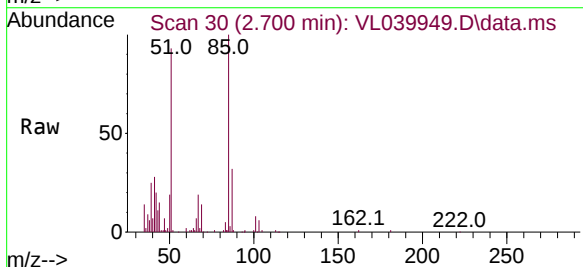
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

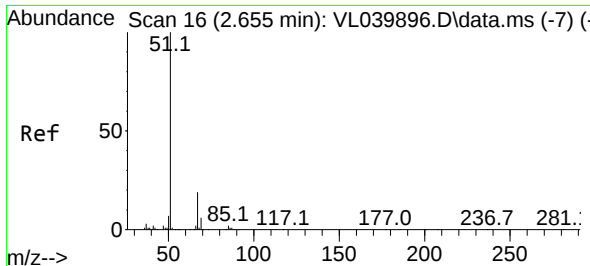
Tgt Ion: 49 Resp: 1182265
Ion Ratio Lower Upper
49 100
128 48.2 22.1 66.3
130 62.1 27.7 83.1



#2
Dichlorodifluoromethane
Concen: 0.519 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 85 Resp: 87798
Ion Ratio Lower Upper
85 100
87 30.9 25.0 37.4

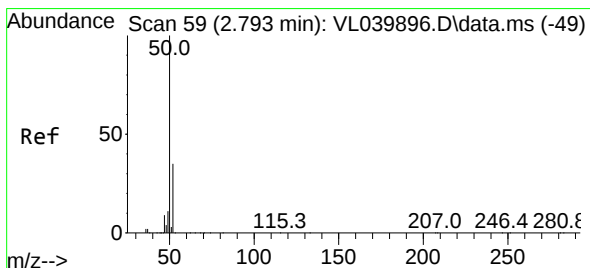
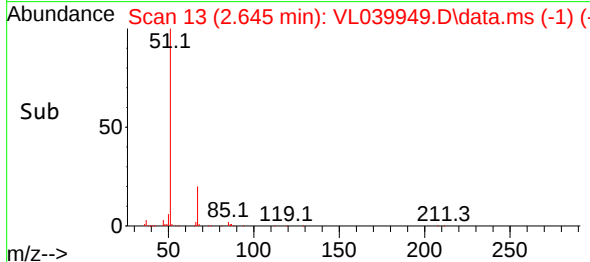
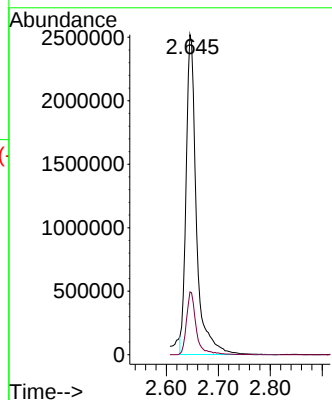
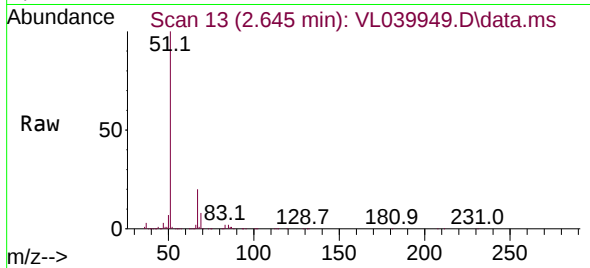




#3
Chlorodifluoromethane
Concen: 21.308 ppbv
RT: 2.645 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

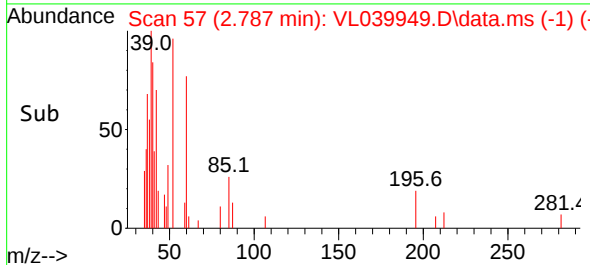
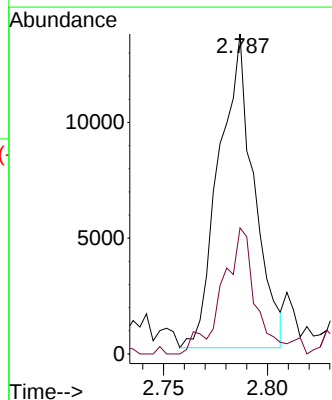
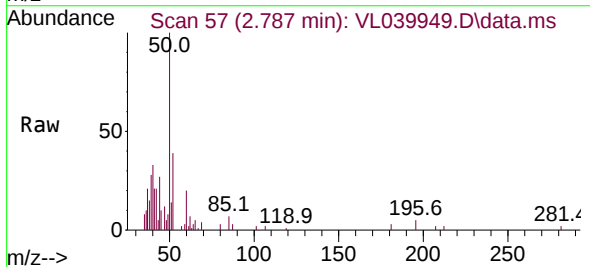
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

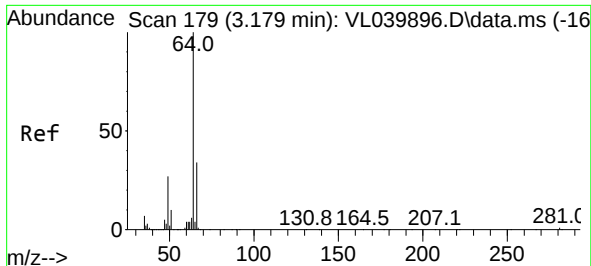
Tgt Ion: 51 Resp: 3476308
Ion Ratio Lower Upper
51 100
67 18.6 14.2 21.4



#4
Chloromethane
Concen: 0.152 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 50 Resp: 15853
Ion Ratio Lower Upper
50 100
52 40.2 27.8 41.8

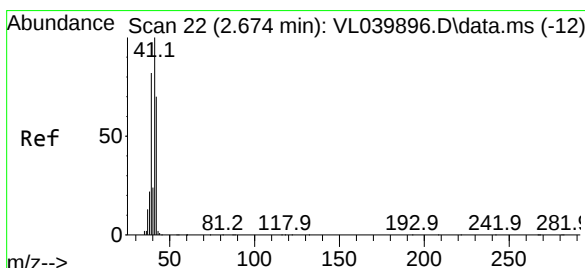
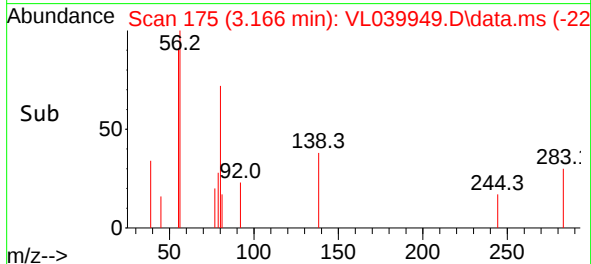
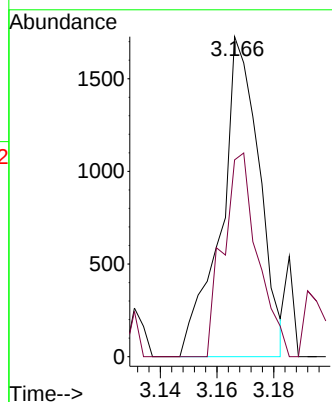
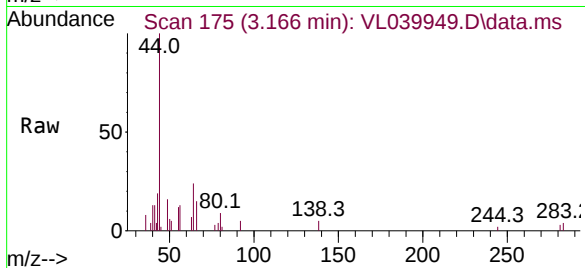




#7
Chloroethane
Concen: 0.050 ppbv
RT: 3.166 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

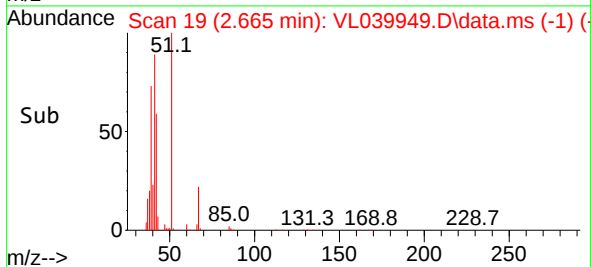
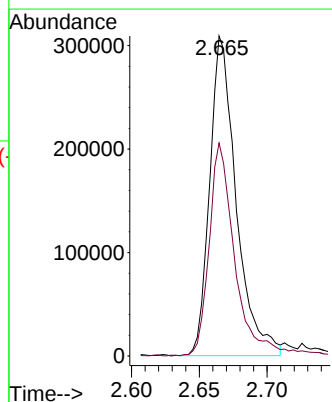
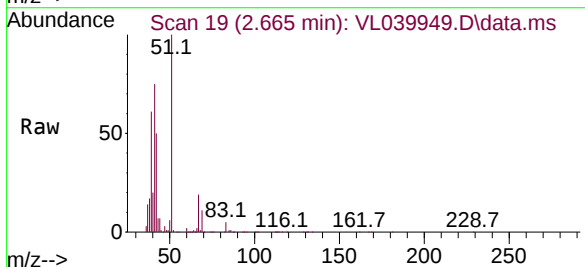
Instrument :
MSVOA_L
ClientSampleId :
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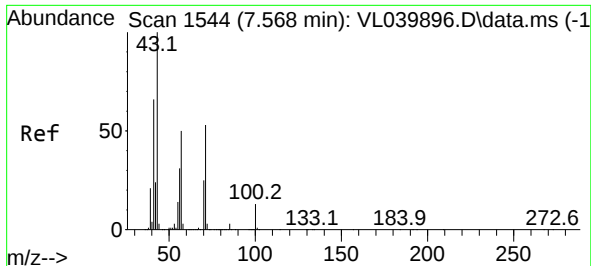
Tgt Ion: 64 Resp: 1617
Ion Ratio Lower Upper
64 100
66 61.5 27.3 40.9#



#9
Propene
Concen: 5.454 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 41 Resp: 419095
Ion Ratio Lower Upper
41 100
42 65.4 55.8 83.6

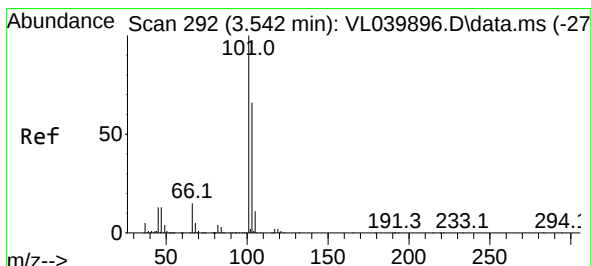
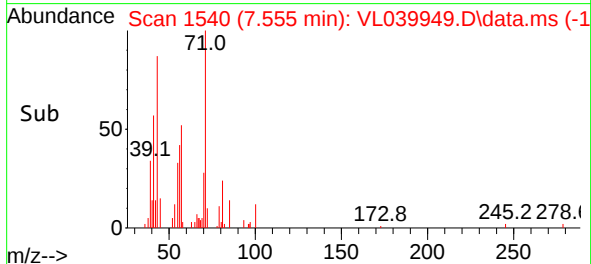
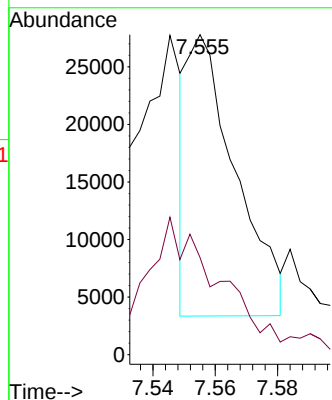
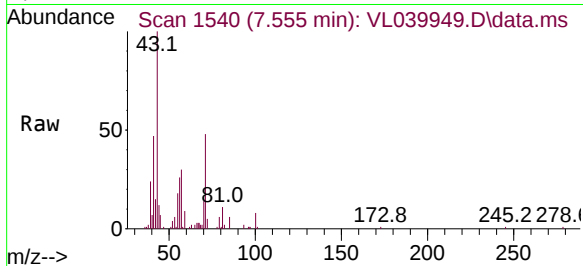




#10
Heptane
Concen: 0.142 ppbv
RT: 7.555 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

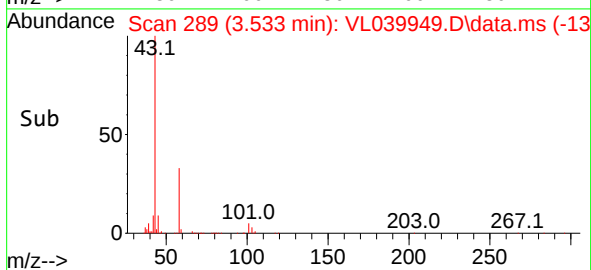
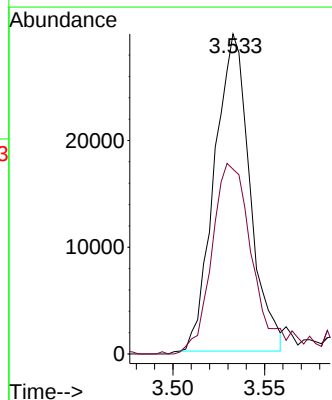
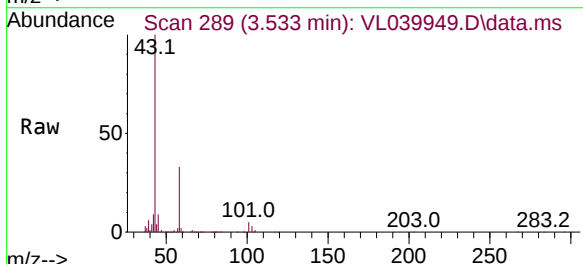
Instrument :
MSVOA_L
ClientSampleId :
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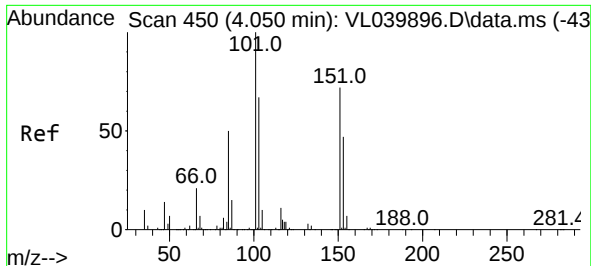
Tgt Ion: 43 Resp: 26278
Ion Ratio Lower Upper
43 100
57 0.0 40.7 61.1#



#11
Trichlorofluoromethane
Concen: 0.194 ppbv
RT: 3.533 min Scan# 289
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 101 Resp: 40048
Ion Ratio Lower Upper
101 100
103 57.7 52.6 78.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.059 ppbv

RT: 4.034 min Scan# 445

Delta R.T. -0.013 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

Instrument :

MSVOA_L

ClientSampleId :

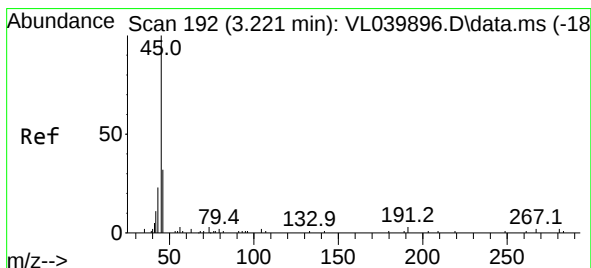
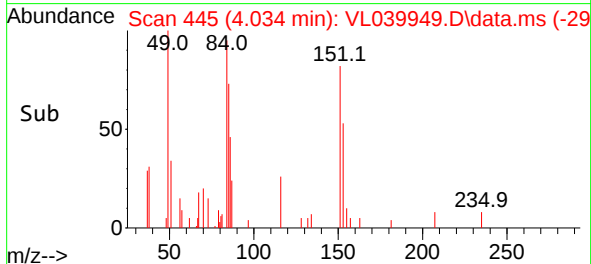
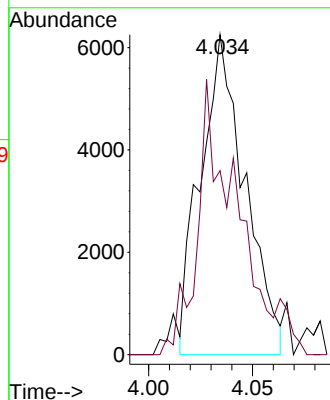
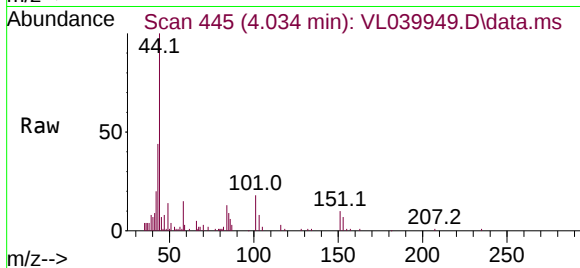
OTC-SS

Tgt Ion:101 Resp: 9291

Ion Ratio Lower Upper

101 100

151 78.7 59.6 89.4



#13

Ethanol

Concen: 263.059 ppbv

RT: 3.218 min Scan# 191

Delta R.T. -0.010 min

Lab File: VL039949.D

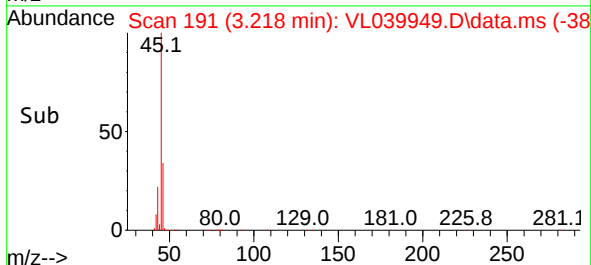
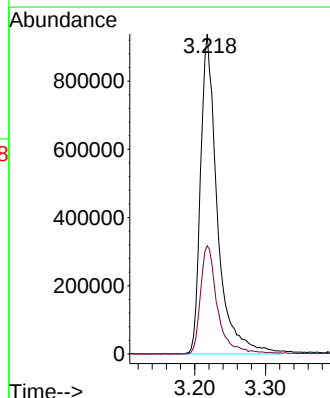
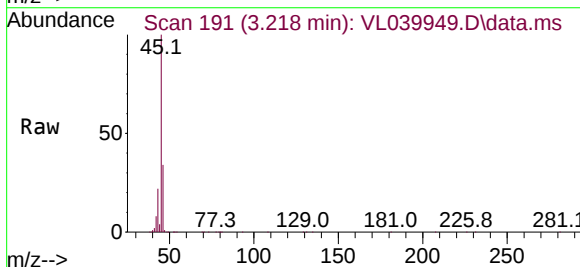
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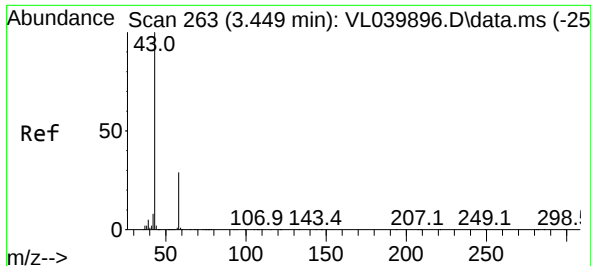
Tgt Ion: 45 Resp: 1543421

Ion Ratio Lower Upper

45 100

46 34.7 14.6 58.2

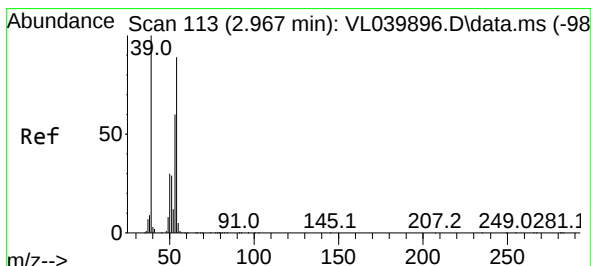
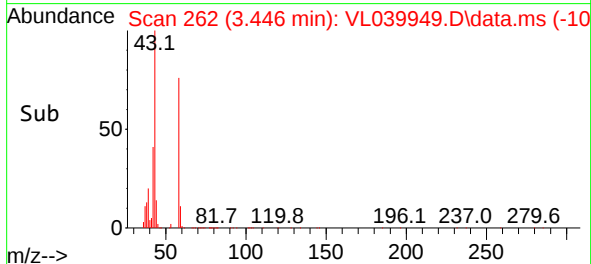
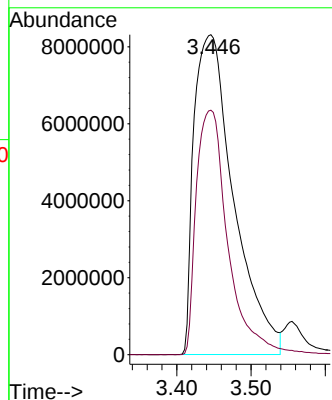
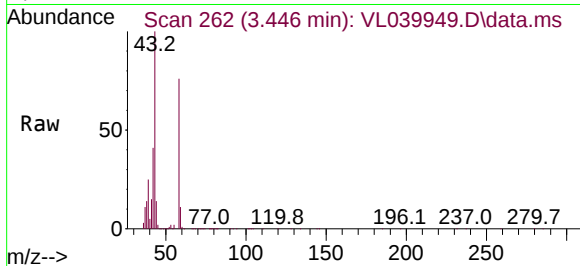




#15
Acetone
Concen: 197.473 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

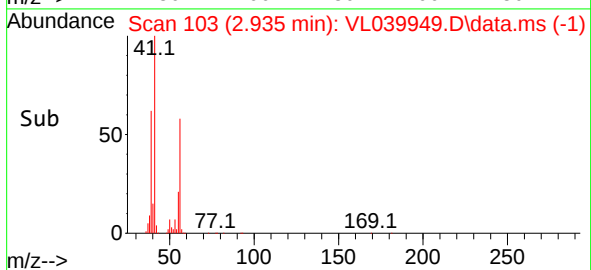
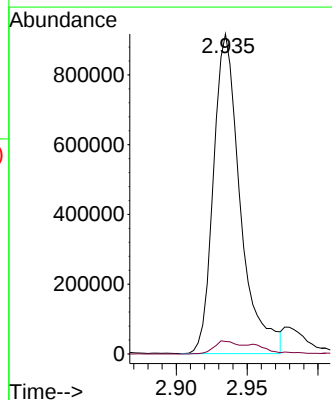
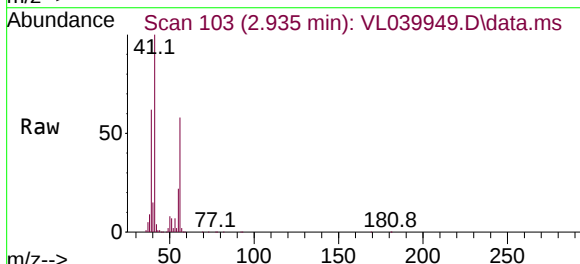
Instrument :
MSVOA_L
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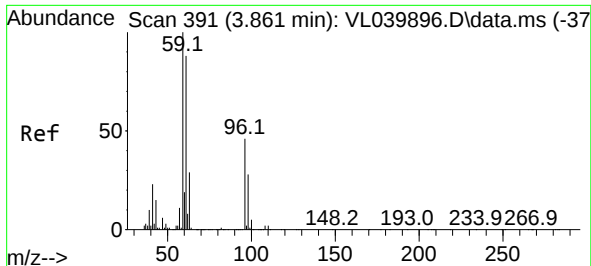
Tgt Ion: 43 Resp: 30966541
Ion Ratio Lower Upper
43 100
58 61.2 22.9 34.3#



#16
1,3-Butadiene
Concen: 15.469 ppbv
RT: 2.935 min Scan# 103
Delta R.T. -0.029 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 39 Resp: 1208997
Ion Ratio Lower Upper
39 100
54 6.5 66.6 99.8#

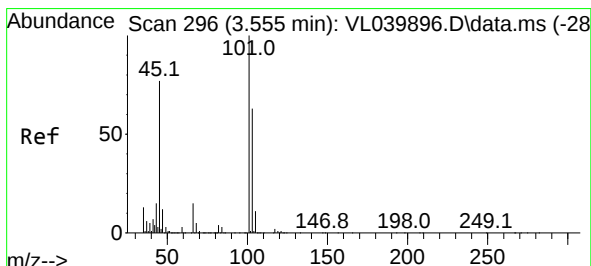
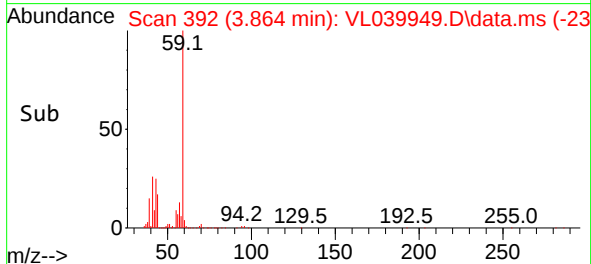
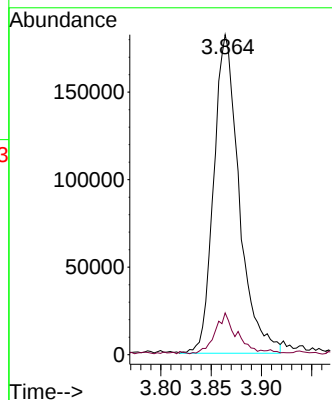
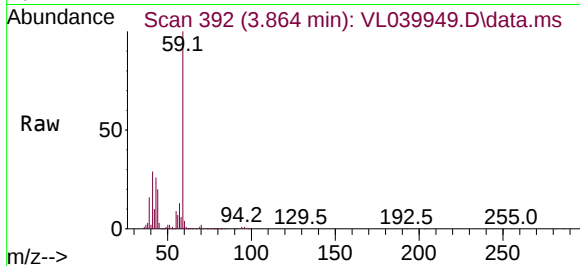




#17
tert-Butyl alcohol
Concen: 1.779 ppbv
RT: 3.864 min Scan# 391
Delta R.T. 0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

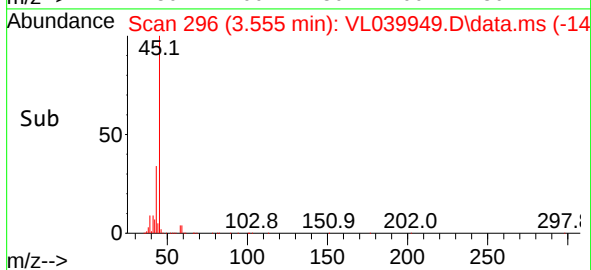
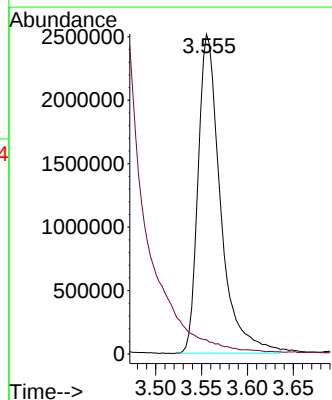
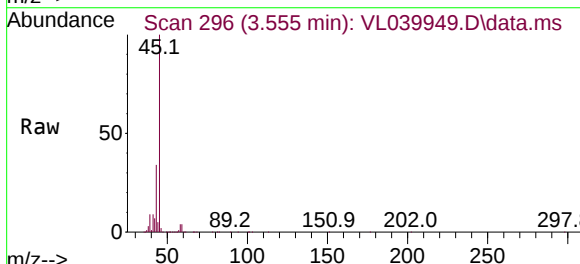
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

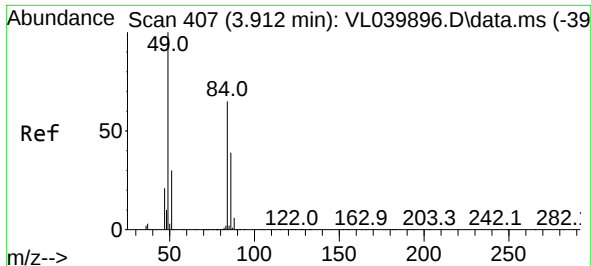
Tgt Ion: 59 Resp: 320724
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#19
Isopropyl Alcohol
Concen: 50.431 ppbv
RT: 3.555 min Scan# 296
Delta R.T. 0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 45 Resp: 4281863
Ion Ratio Lower Upper
45 100
58 0.0 38.7 58.1#



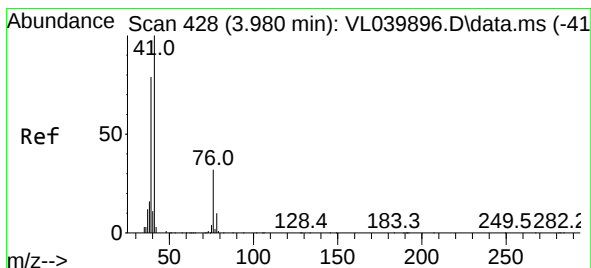
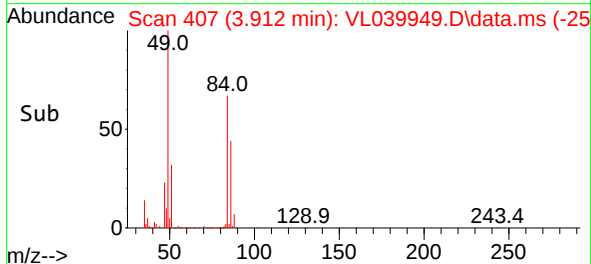
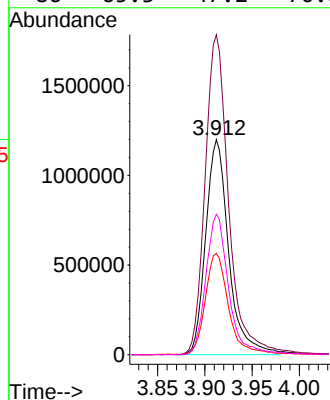
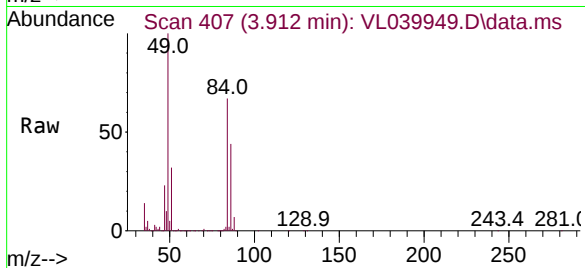


#20
Methylene Chloride
Concen: 26.751 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

Tgt Ion: 84 Resp: 2032386

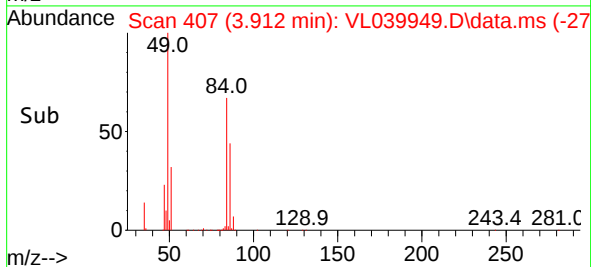
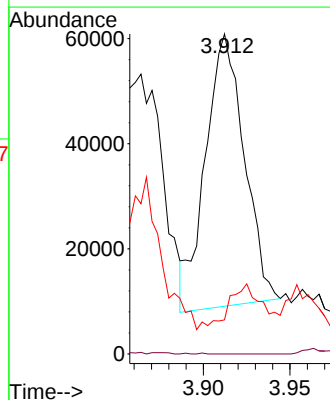
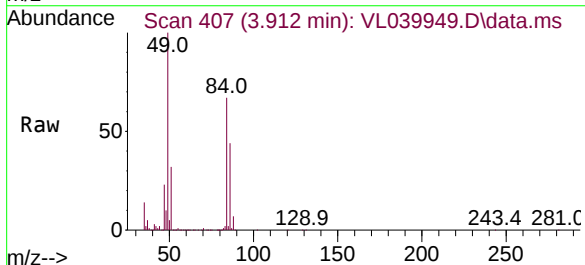
Ion	Ratio	Lower	Upper
84	100		
49	148.8	122.2	183.4
51	47.0	36.3	54.5
86	65.3	47.2	70.8

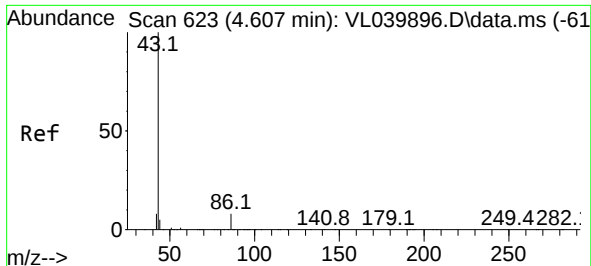


#21
Allyl Chloride
Concen: 0.743 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.064 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 41 Resp: 80848

Ion	Ratio	Lower	Upper
41	100		
76	1.6	25.6	38.4#
39	27.0	65.2	97.8#



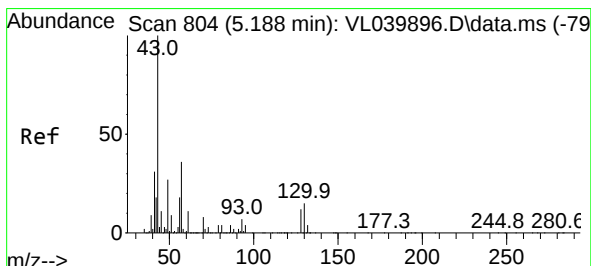
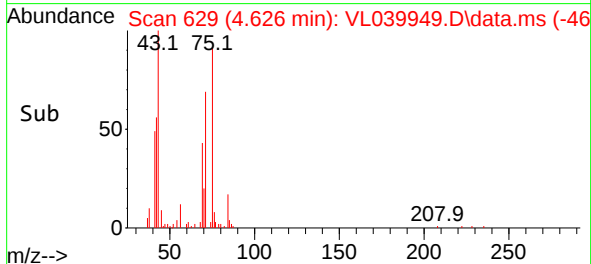
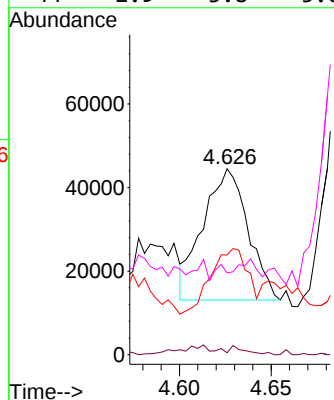
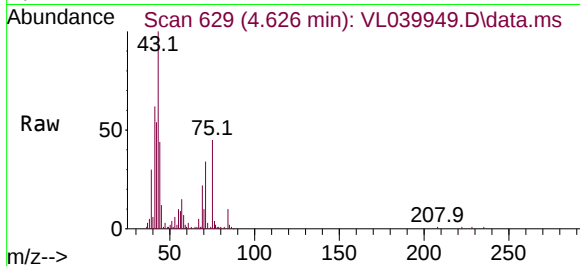


#23
 Vinyl Acetate
 Concen: 0.834 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.019 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

Instrument :
 MSVOA_1
 ClientSampleId :
 OTC-SS

Tgt Ion: 43 Resp: 53753

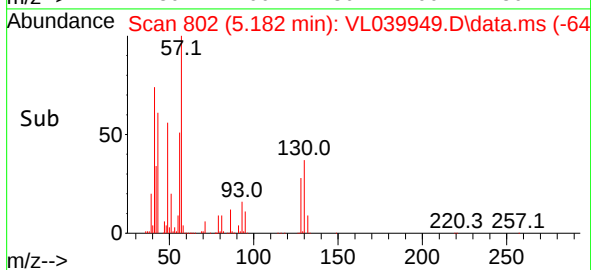
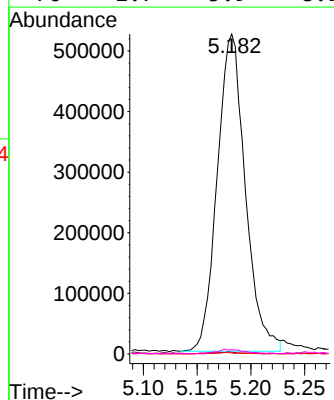
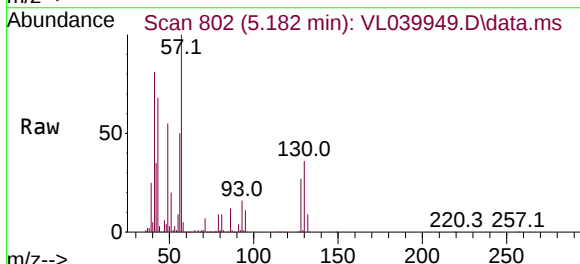
Ion	Ratio	Lower	Upper
43	100		
86	1.5	5.0	7.4#
42	45.1	7.6	11.4#
44	2.9	3.8	5.6#

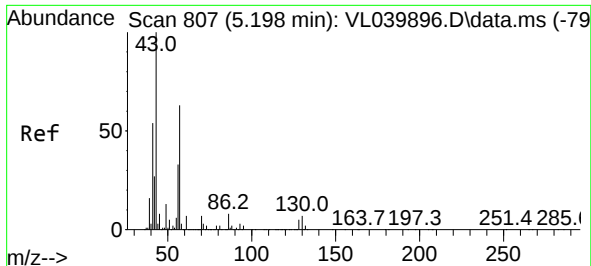


#25
 Ethyl Acetate
 Concen: 3.301 ppbv
 RT: 5.182 min Scan# 802
 Delta R.T. -0.003 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

Tgt Ion: 43 Resp: 950523

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.4	12.6#
61	0.4	8.5	12.7#
70	1.7	5.9	8.9#

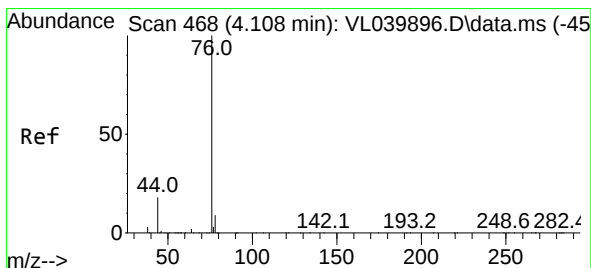
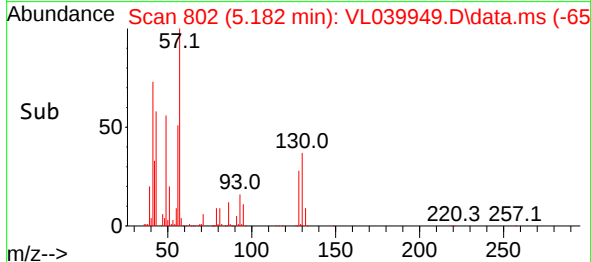
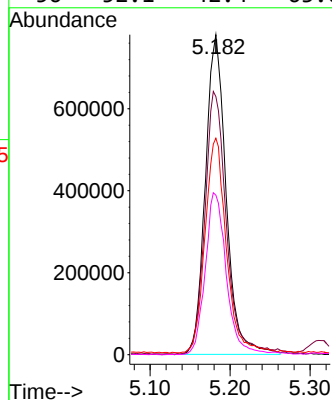
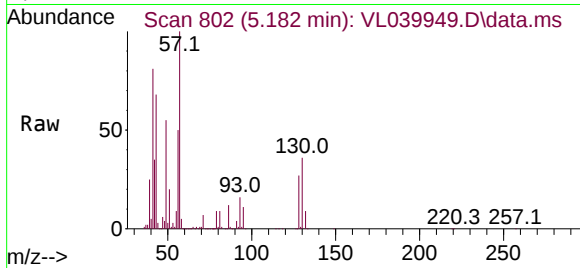




#26
Hexane
Concen: 11.225 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

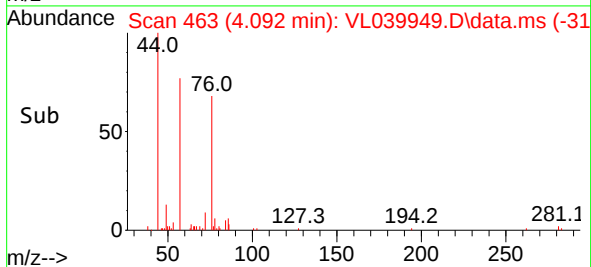
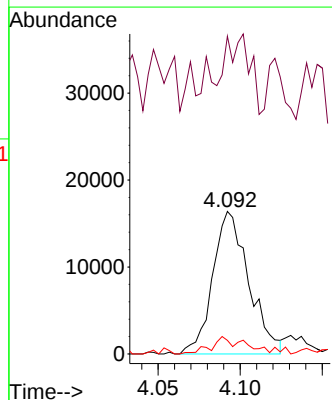
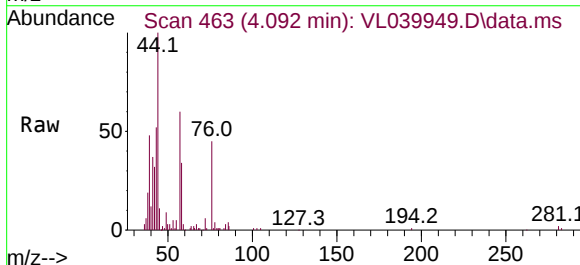
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

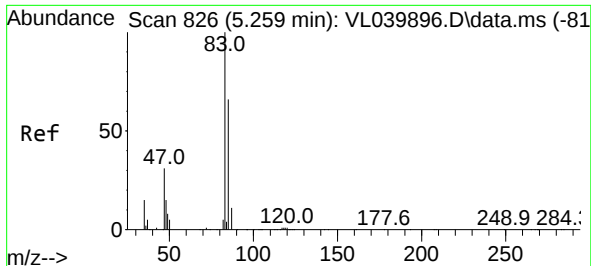
Tgt Ion: 57 Resp: 1411792
Ion Ratio Lower Upper
57 100
41 85.4 72.3 108.5
43 71.6 188.7 283.1#
56 52.1 42.4 63.6



#27
Carbon Disulfide
Concen: 0.158 ppbv
RT: 4.092 min Scan# 463
Delta R.T. -0.013 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 76 Resp: 25066
Ion Ratio Lower Upper
76 100
44 339.0 14.7 22.1#
78 9.9 7.8 11.8





#29

Chloroform

Concen: 2.378 ppbv

RT: 5.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

Instrument :

MSVOA_L

ClientSampleId :

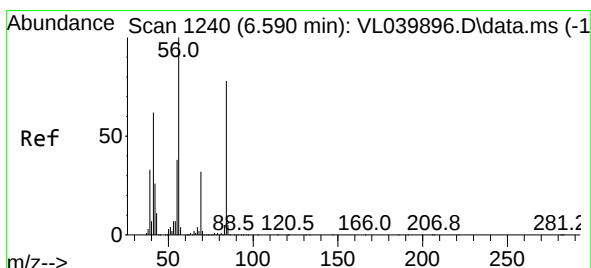
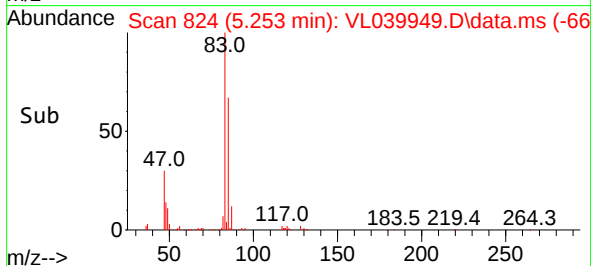
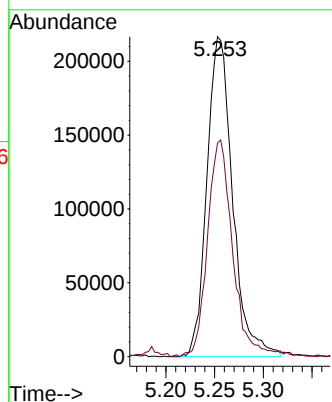
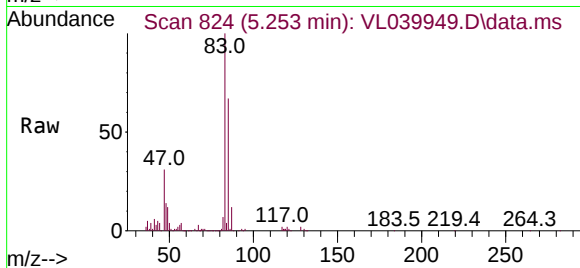
OTC-SS

Tgt Ion: 83 Resp: 397392

Ion Ratio Lower Upper

83 100

85 66.7 52.4 78.6



#30

Cyclohexane

Concen: 0.031 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

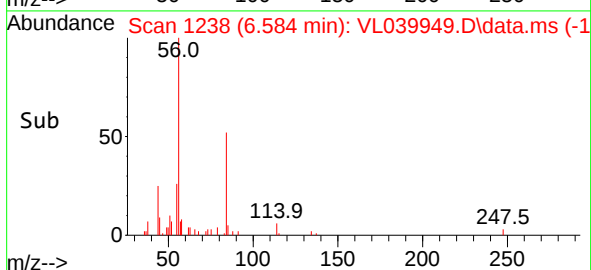
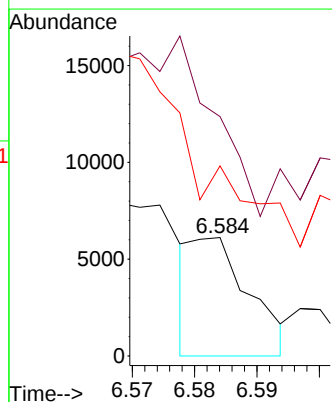
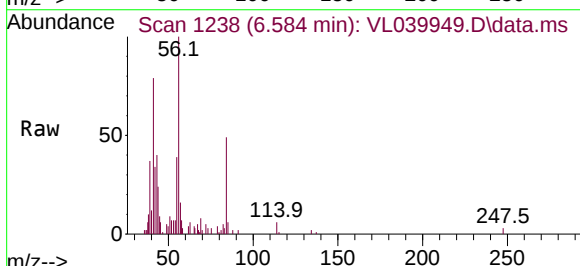
Tgt Ion: 84 Resp: 3878

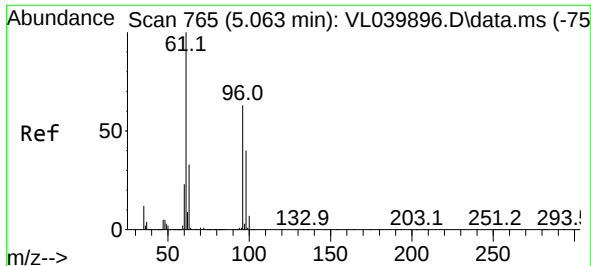
Ion Ratio Lower Upper

84 100

56 0.0 112.5 168.7#

41 0.0 67.8 101.8#

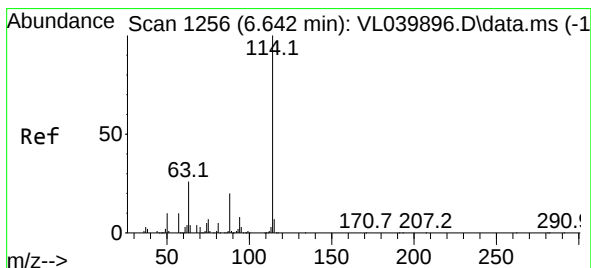
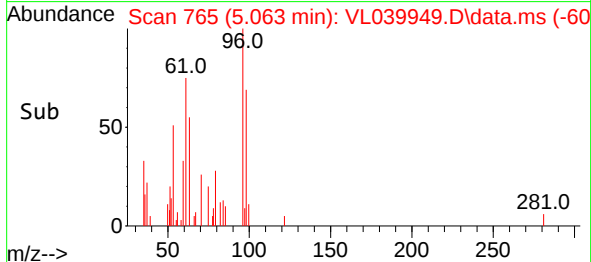
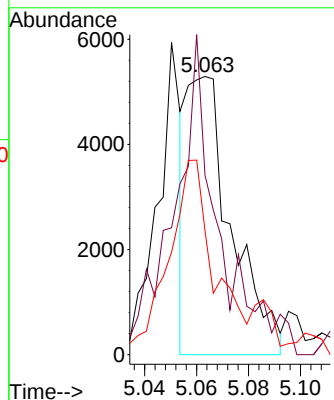
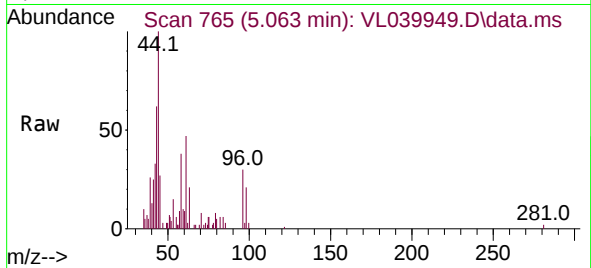




#31
 cis-1,2-Dichloroethene
 Concen: 0.055 ppbv
 RT: 5.063 min Scan# 765
 Delta R.T. 0.006 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

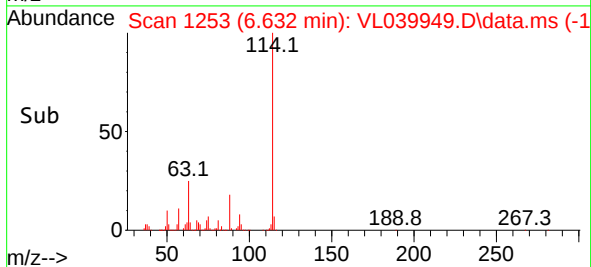
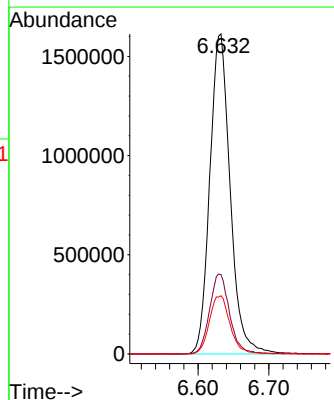
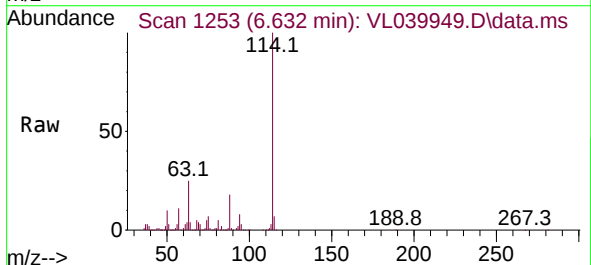
Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SS

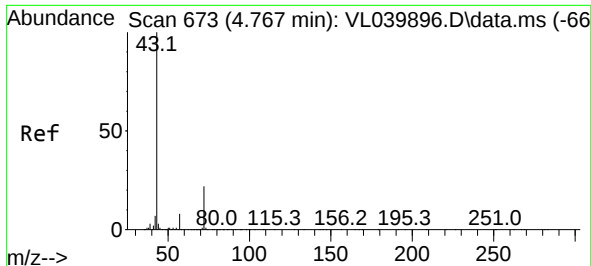
Tgt Ion:	61	Resp:	6348
Ion	Ratio	Lower	Upper
61	100		
96	54.1	50.3	75.5
98	45.0	32.2	48.2



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.632 min Scan# 1253
 Delta R.T. -0.003 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

Tgt Ion:	114	Resp:	3213786
Ion	Ratio	Lower	Upper
114	100		
63	24.7	21.4	32.0
88	18.5	15.3	22.9

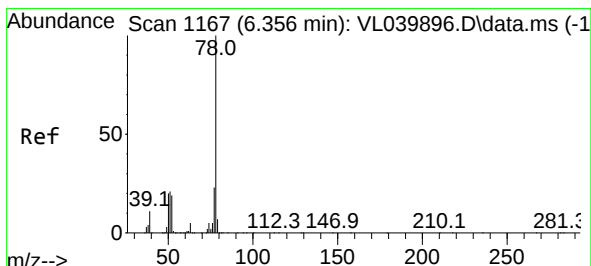
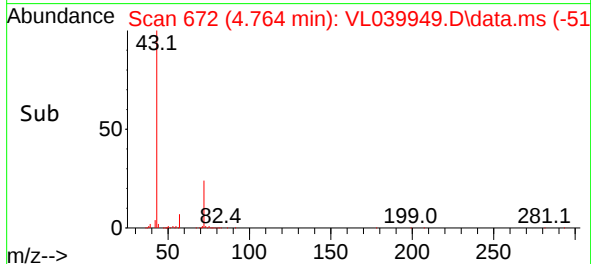
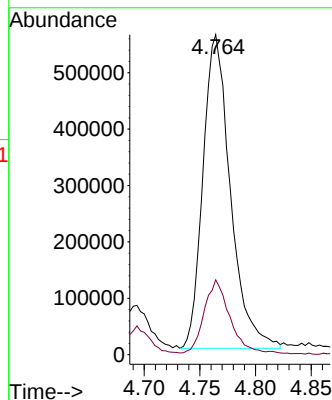
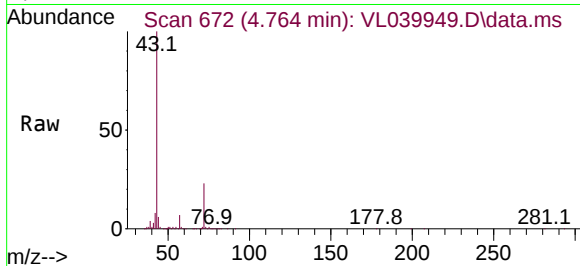




#34
2-Butanone
Concen: 6.206 ppbv
RT: 4.764 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

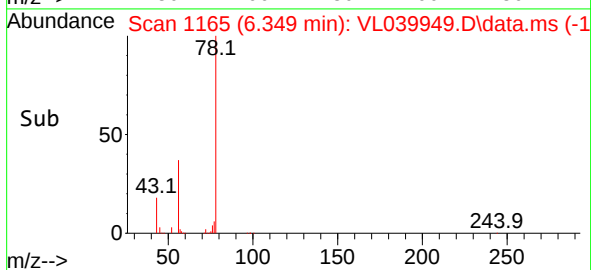
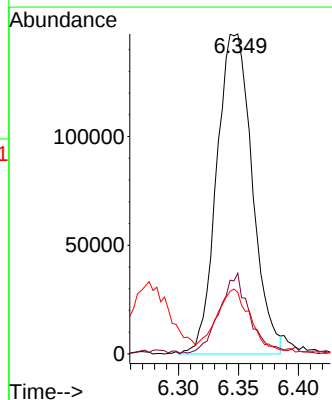
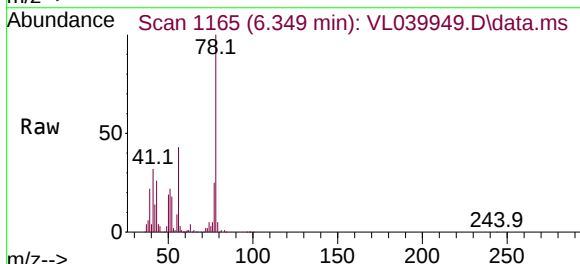
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

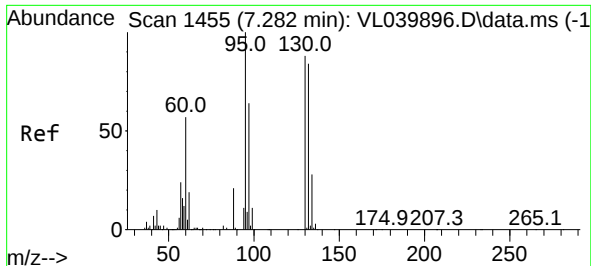
Tgt Ion: 43 Resp: 954383
Ion Ratio Lower Upper
43 100
72 23.1 17.4 26.2



#36
Benzene
Concen: 1.109 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 78 Resp: 302996
Ion Ratio Lower Upper
78 100
77 25.0 18.2 27.2
50 17.9 15.8 23.8

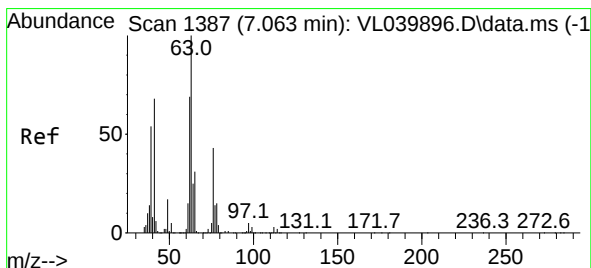
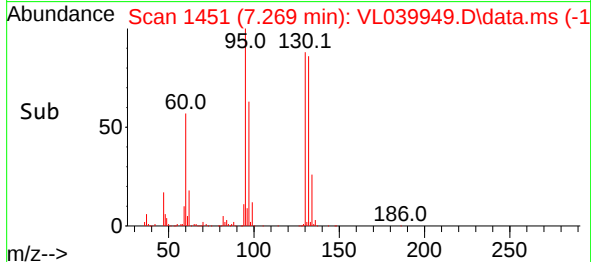
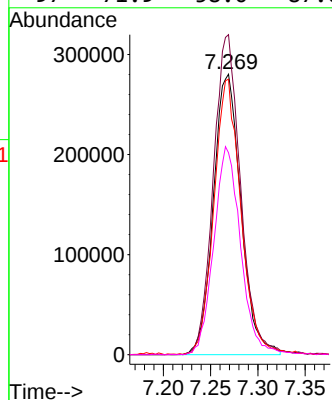
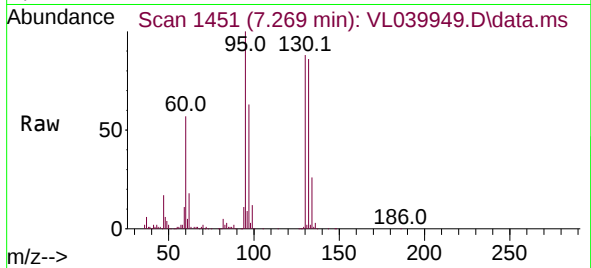




#38
 Trichloroethene
 Concen: 3.725 ppbv
 RT: 7.269 min Scan# 1455
 Delta R.T. -0.006 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

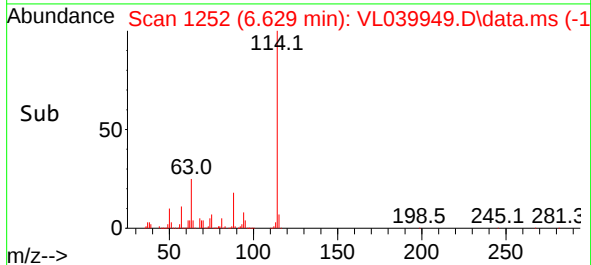
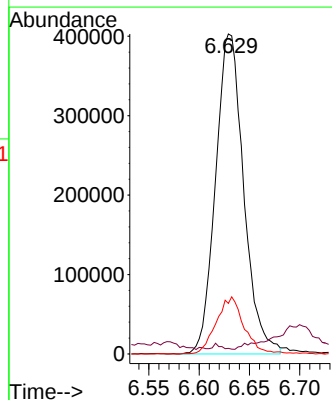
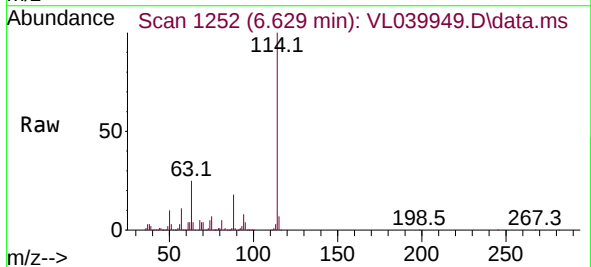
Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SS

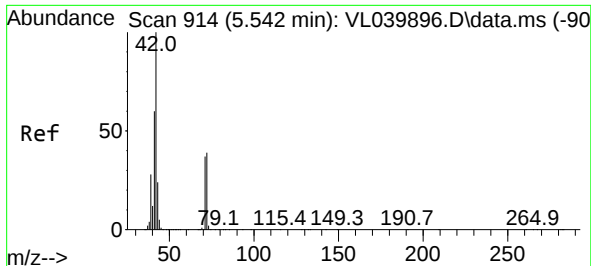
Tgt Ion:130 Resp: 568889
 Ion Ratio Lower Upper
 130 100
 95 114.0 90.6 135.8
 132 97.9 76.2 114.4
 97 71.9 58.0 87.0



#39
 1,2-Dichloropropane
 Concen: 7.363 ppbv
 RT: 6.629 min Scan# 1252
 Delta R.T. -0.428 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

Tgt Ion: 63 Resp: 783665
 Ion Ratio Lower Upper
 63 100
 41 0.0 54.7 82.1#
 62 15.8 55.0 82.6#





#41

Tetrahydrofuran

Concen: 1.589 ppbv

RT: 5.500 min Scan# 901

Delta R.T. -0.039 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

Instrument :

MSVOA_L

ClientSampleId :

OTC-SS

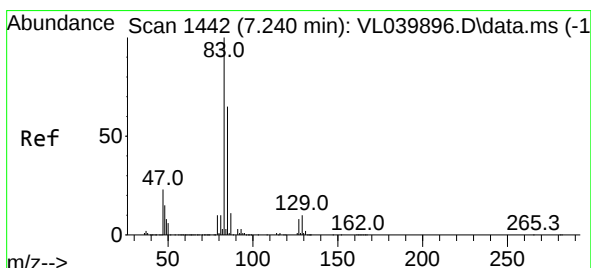
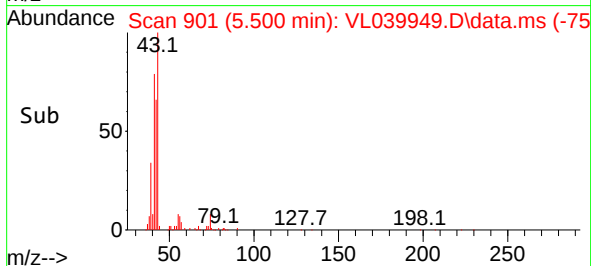
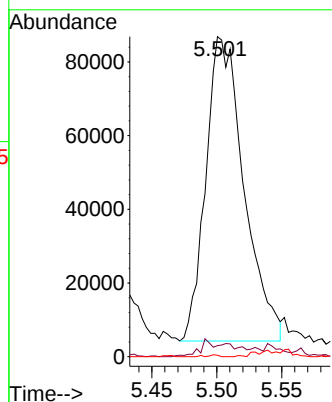
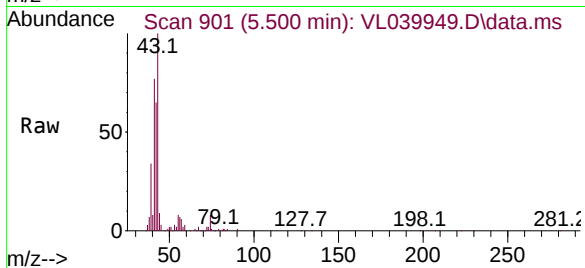
Tgt Ion: 42 Resp: 168692

Ion Ratio Lower Upper

42 100

72 7.9 31.6 47.4#

71 1.9 31.2 46.8#



#42

Bromodichloromethane

Concen: 0.164 ppbv

RT: 7.221 min Scan# 1436

Delta R.T. -0.013 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

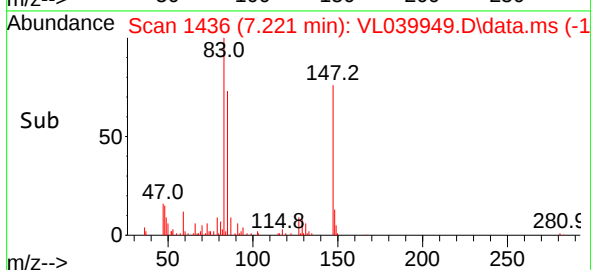
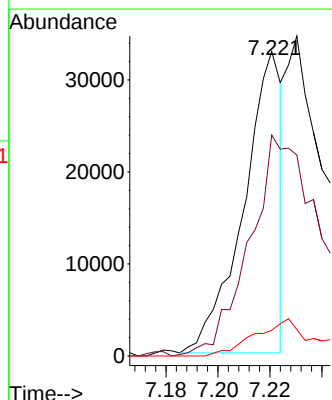
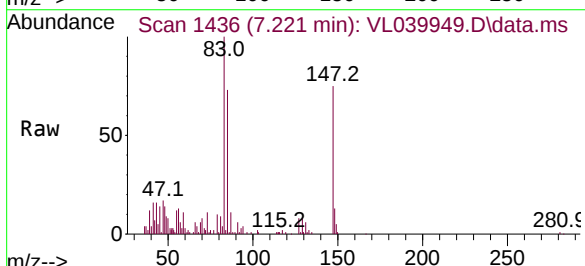
Tgt Ion: 83 Resp: 33217

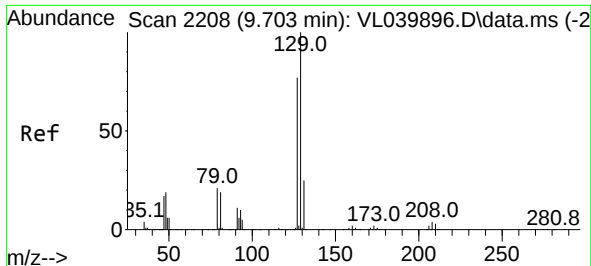
Ion Ratio Lower Upper

83 100

85 72.8 52.0 78.0

127 8.5 6.5 9.7

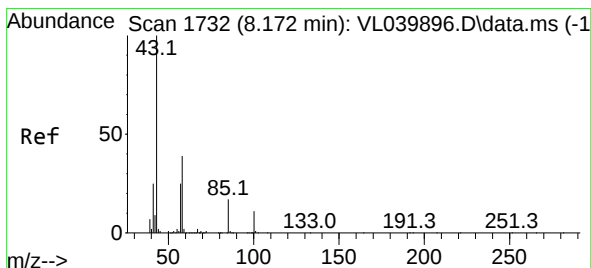
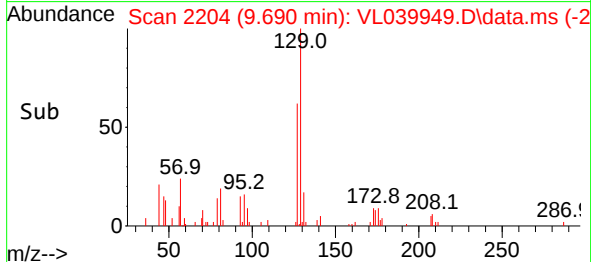
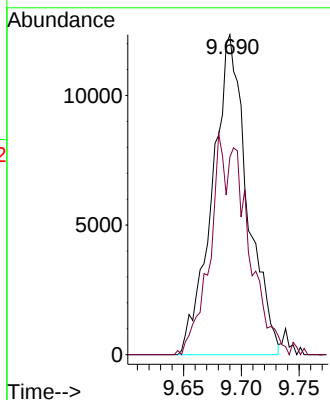
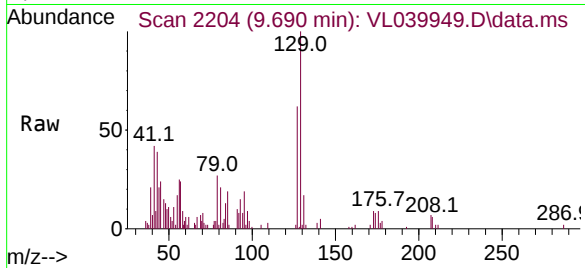




#48
 Dibromochloromethane
 Concen: 0.163 ppbv
 RT: 9.690 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

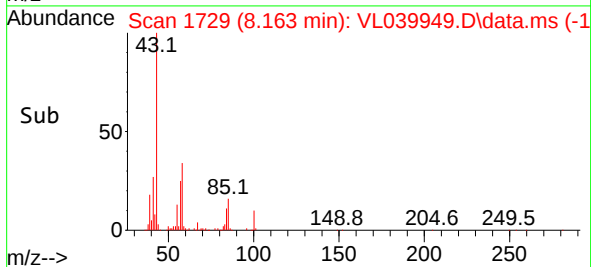
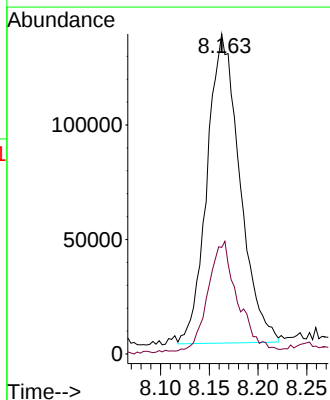
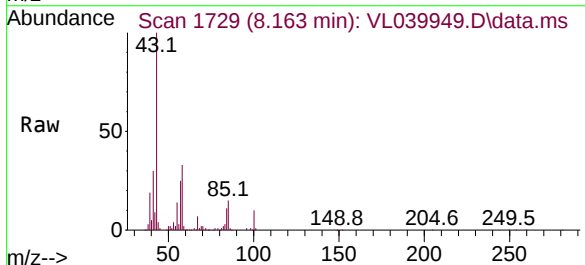
Instrument :
 MSVOA_L
 ClientSampleId :
 OTC-SS

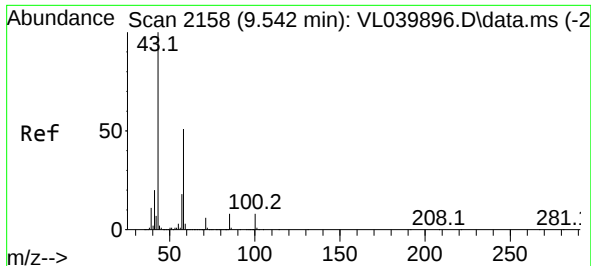
Tgt Ion:129 Resp: 26154
 Ion Ratio Lower Upper
 129 100
 127 73.3 39.1 117.3



#50
 4-Methyl-2-Pentanone
 Concen: 1.146 ppbv
 RT: 8.163 min Scan# 1729
 Delta R.T. -0.003 min
 Lab File: VL039949.D
 Acq: 1 Dec 2022 19:40

Tgt Ion: 43 Resp: 315654
 Ion Ratio Lower Upper
 43 100
 58 34.0 29.8 44.6

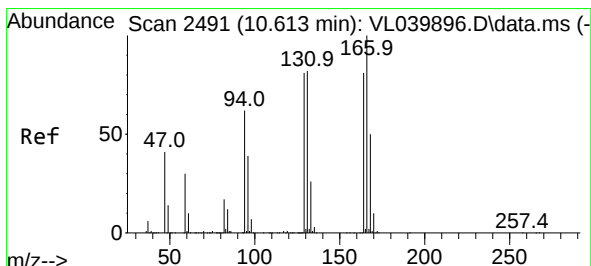
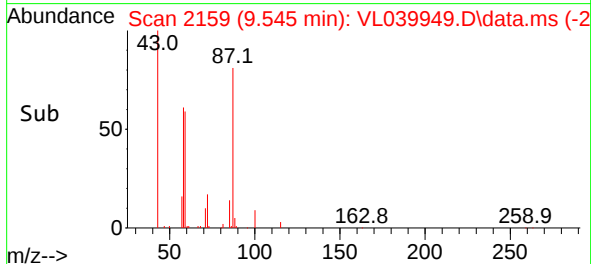
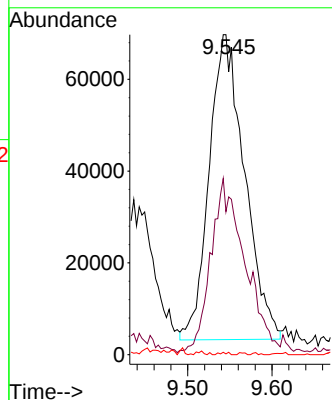
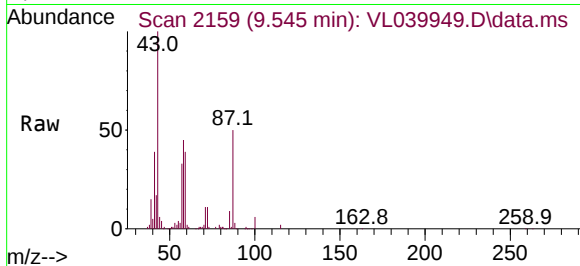




#51
2-Hexanone
Concen: 0.909 ppbv
RT: 9.545 min Scan# 2158
Delta R.T. 0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

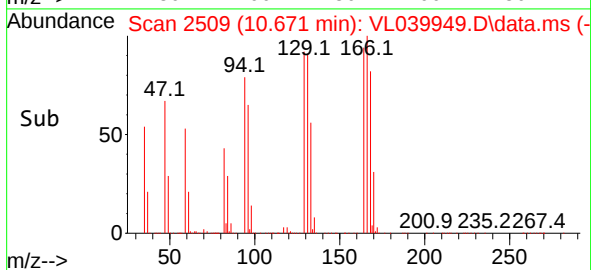
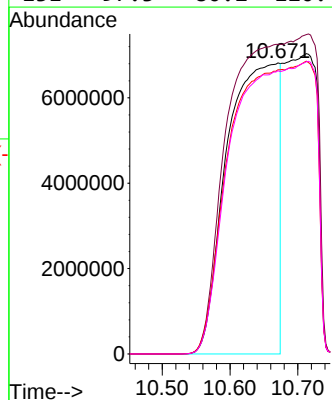
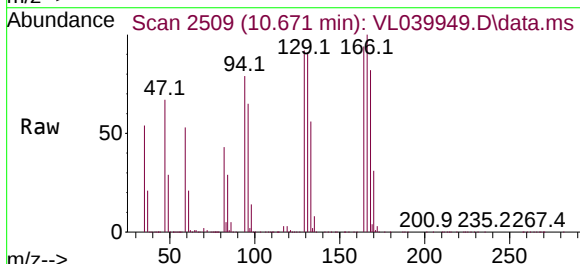
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

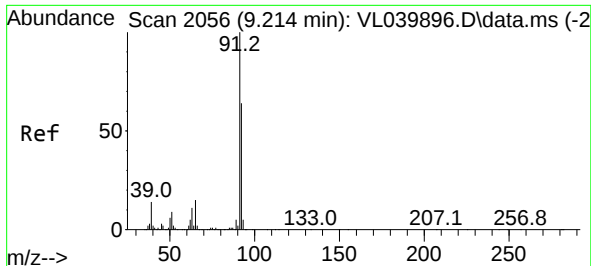
Tgt Ion: 43 Resp: 194354
Ion Ratio Lower Upper
43 100
58 55.6 40.2 60.4
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 351.441 ppbv
RT: 10.671 min Scan# 2509
Delta R.T. 0.068 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 164 Resp: 35914350
Ion Ratio Lower Upper
164 100
166 106.4 98.3 147.5
129 97.6 79.7 119.5
131 97.3 80.2 120.4

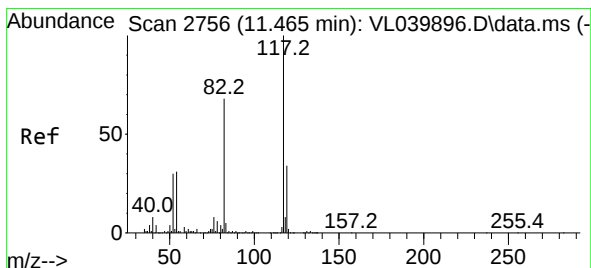
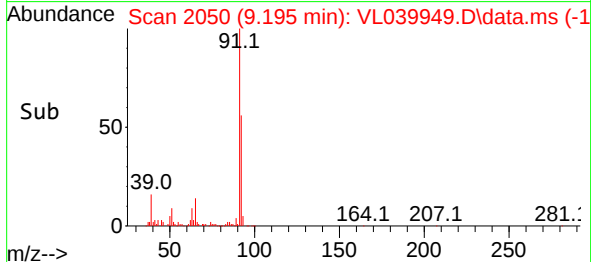
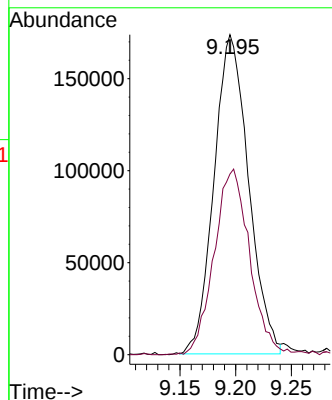
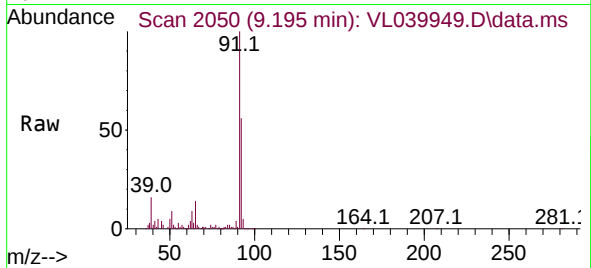




#53
Toluene
Concen: 1.201 ppbv
RT: 9.195 min Scan# 2050
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

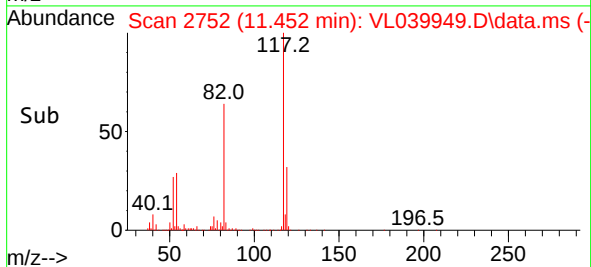
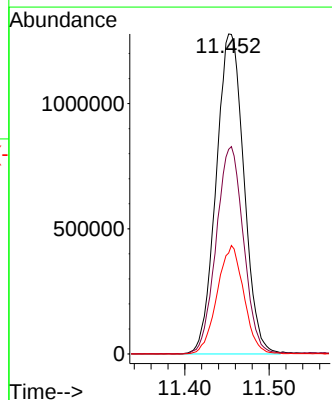
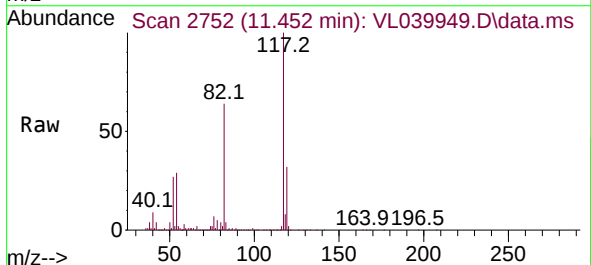
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

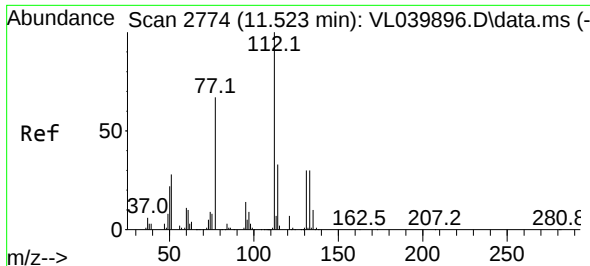
Tgt Ion: 91 Resp: 373709
Ion Ratio Lower Upper
91 100
92 60.4 49.8 74.6



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. 0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 117 Resp: 2918687
Ion Ratio Lower Upper
117 100
82 64.0 52.3 78.5
119 32.8 25.7 38.5

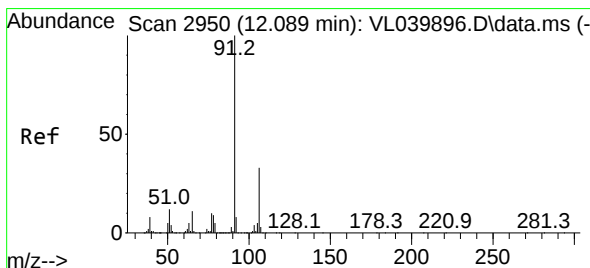
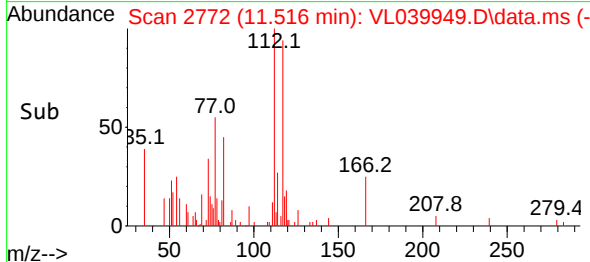
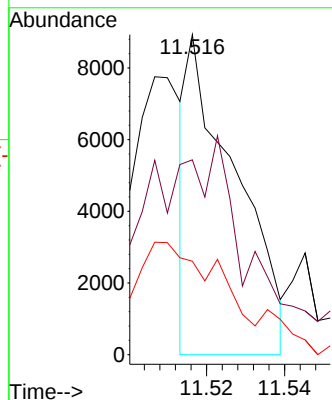
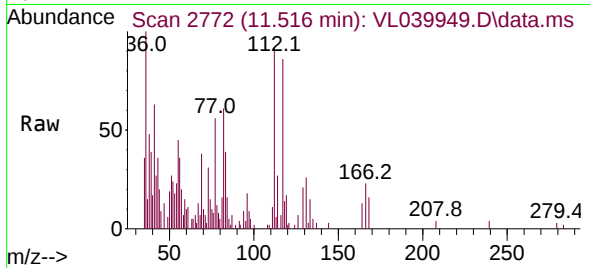




#57
Chlorobenzene
Concen: 0.035 ppbv
RT: 11.516 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

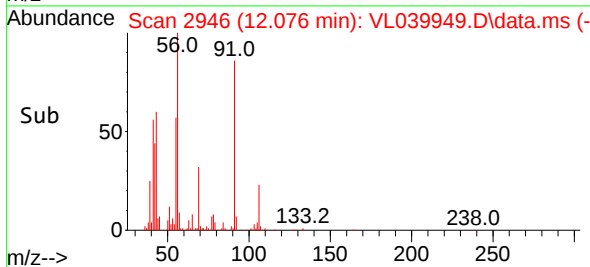
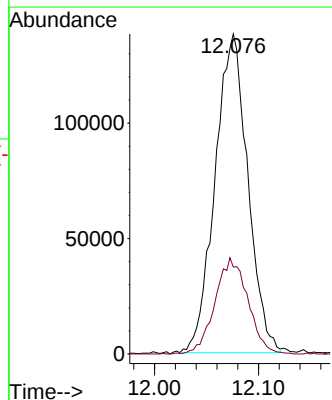
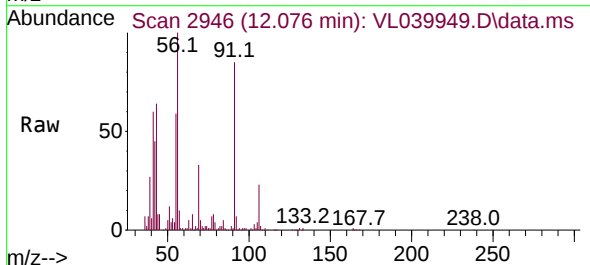
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

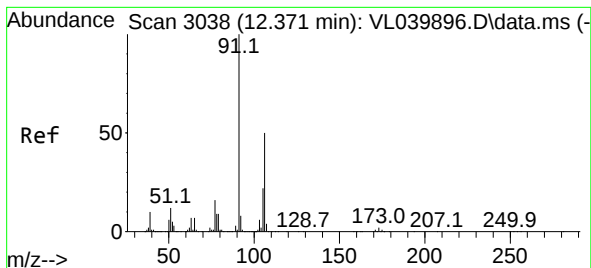
Tgt Ion:112 Resp: 7708
Ion Ratio Lower Upper
112 100
77 54.3 54.6 81.8#
114 21.9 30.1 36.7#



#58
Ethyl Benzene
Concen: 0.763 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. 0.000 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 91 Resp: 302081
Ion Ratio Lower Upper
91 100
106 27.1 26.1 39.1

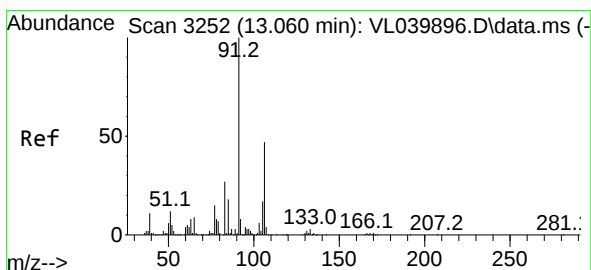
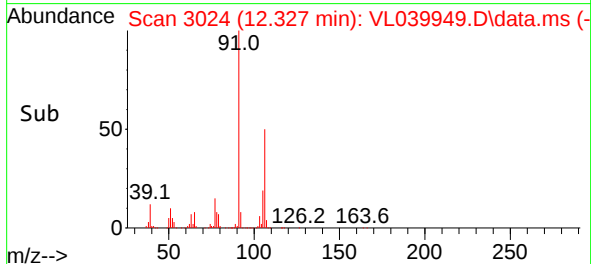
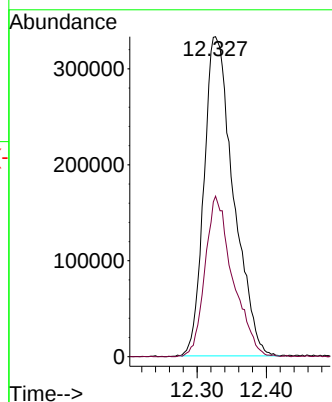
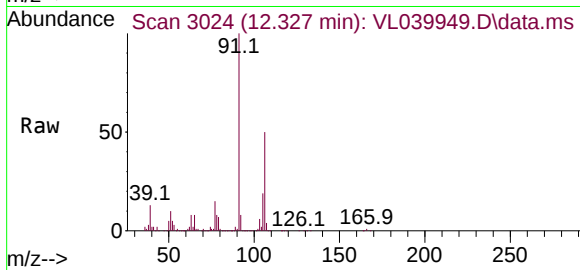




#59
m/p-Xylene
Concen: 2.965 ppbv
RT: 12.327 min Scan# 3038
Delta R.T. -0.032 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

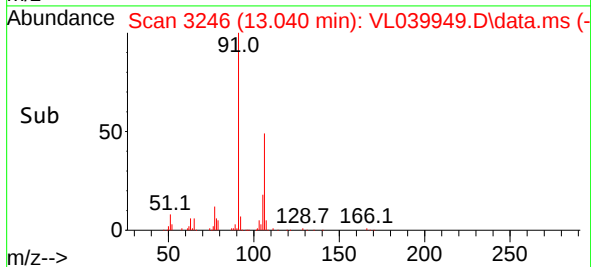
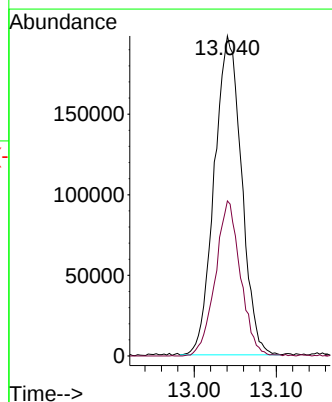
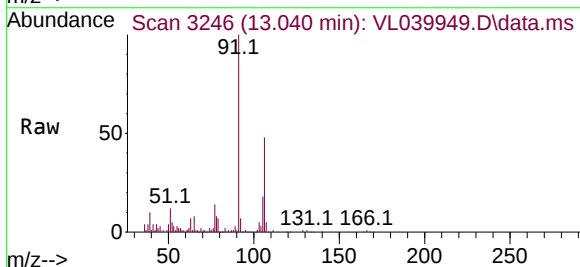
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

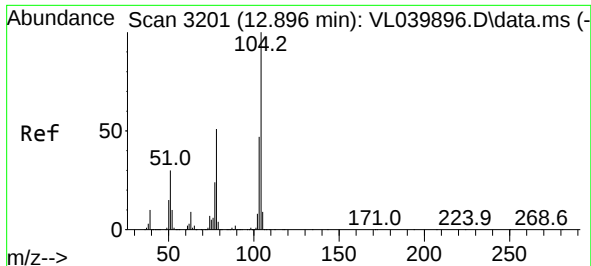
Tgt Ion: 91 Resp: 982491
Ion Ratio Lower Upper
91 100
106 47.5 37.0 55.6



#60
o-Xylene
Concen: 1.445 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 91 Resp: 456655
Ion Ratio Lower Upper
91 100
106 44.9 23.2 69.6

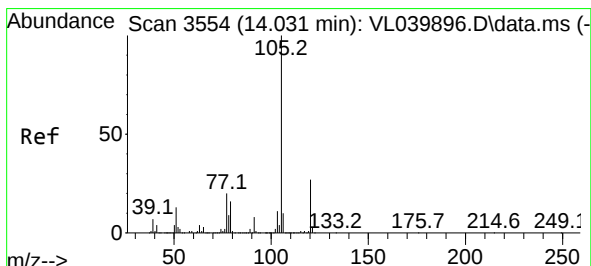
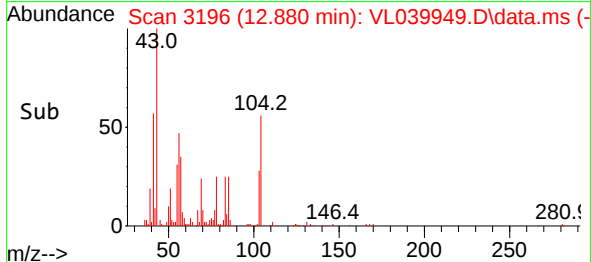
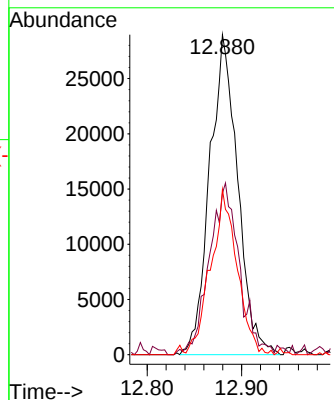
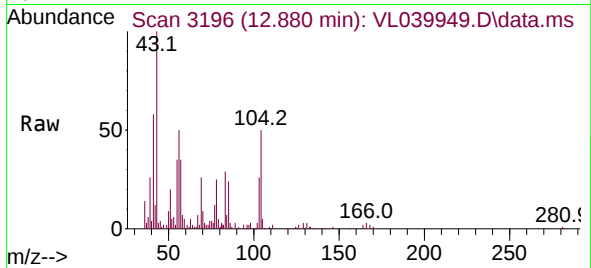




#61
Styrene
Concen: 0.316 ppbv
RT: 12.880 min Scan# 3196
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

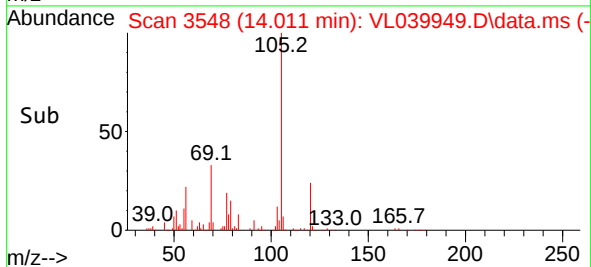
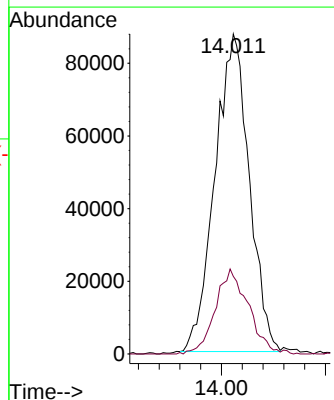
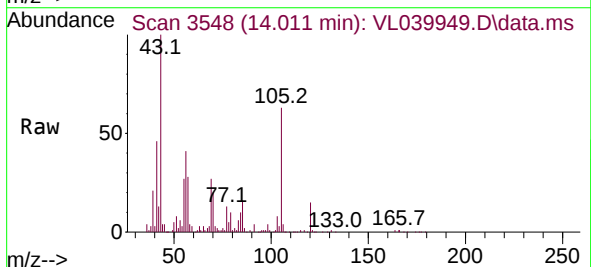
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

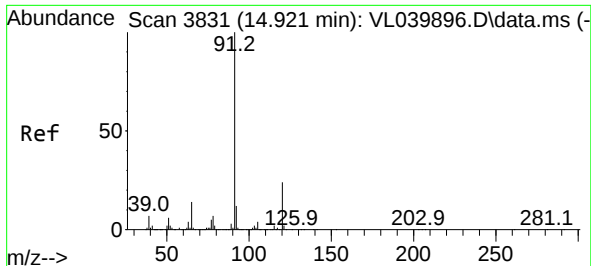
Tgt Ion:104 Resp: 59578
Ion Ratio Lower Upper
104 100
78 59.0 41.8 62.8
103 49.7 37.2 55.8



#62
Isopropylbenzene
Concen: 0.439 ppbv
RT: 14.011 min Scan# 3548
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion:105 Resp: 200222
Ion Ratio Lower Upper
105 100
120 25.9 21.4 32.2

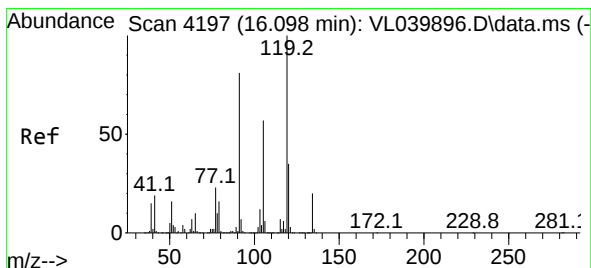
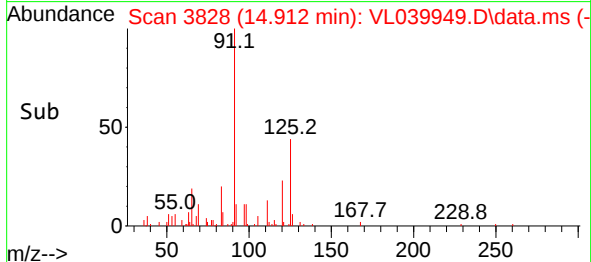
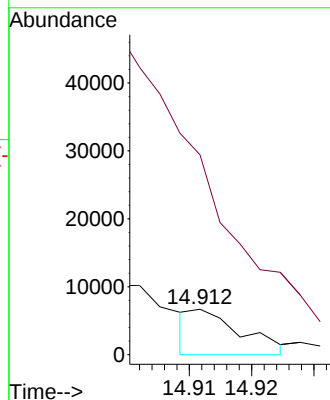
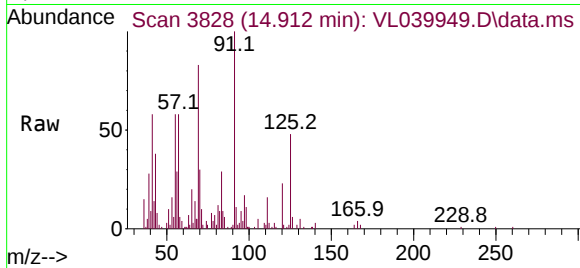




#64
n-propylbenzene
Concen: 0.031 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. 0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

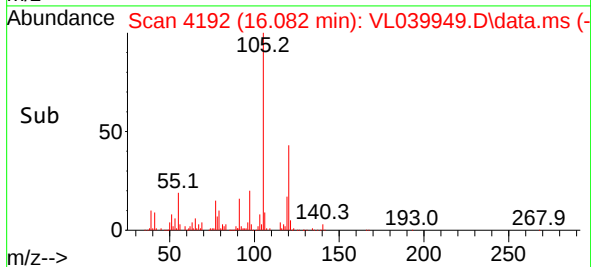
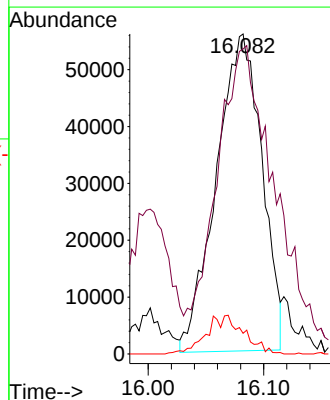
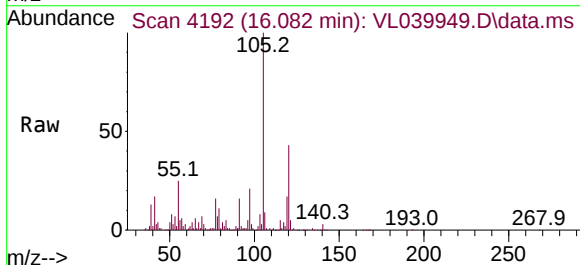
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

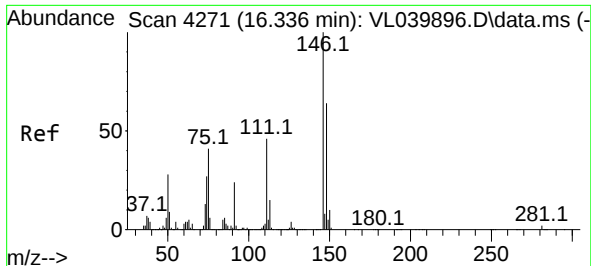
Tgt Ion:120 Resp: 3738
Ion Ratio Lower Upper
120 100
91 0.0 353.7 530.5#



#65
tert-Butylbenzene
Concen: 0.383 ppbv
RT: 16.082 min Scan# 4192
Delta R.T. 0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion:119 Resp: 152897
Ion Ratio Lower Upper
119 100
91 119.9 65.8 98.8#
134 10.1 16.1 24.1#

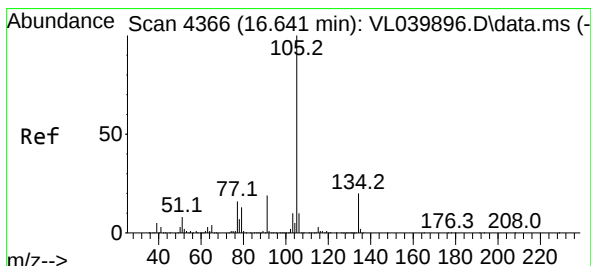
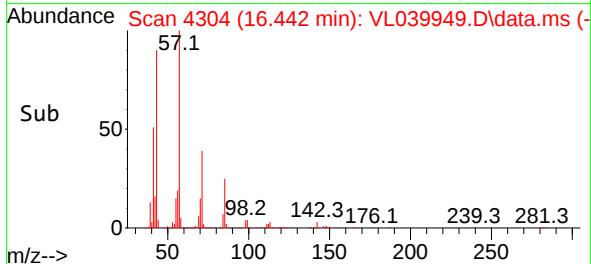
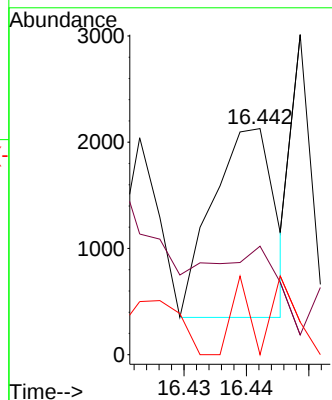
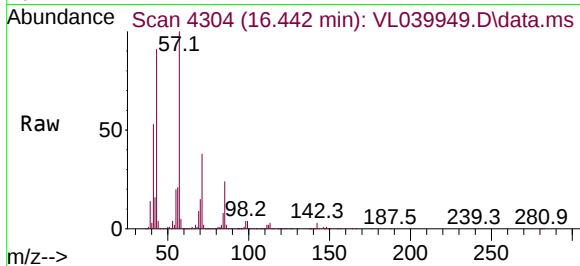




#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 16.442 min Scan# 41
Delta R.T. 0.125 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

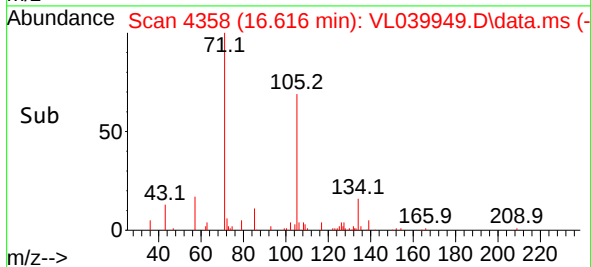
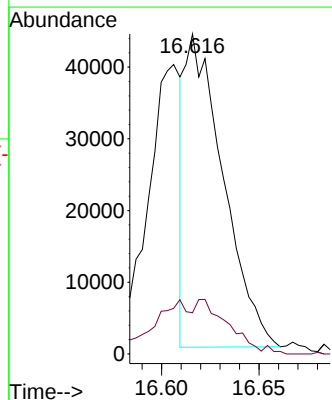
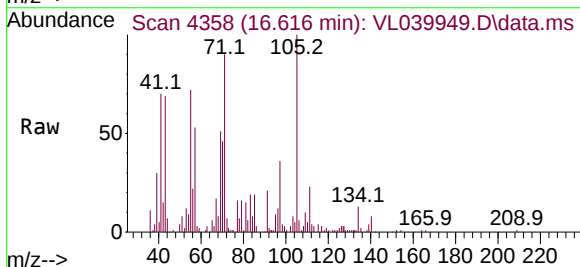
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

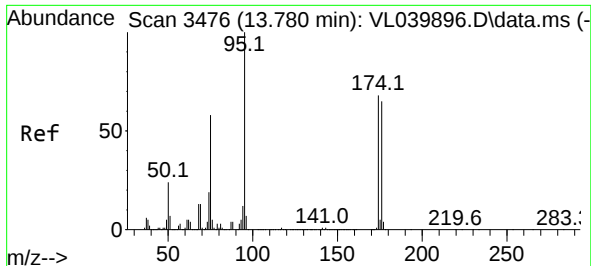
Tgt Ion: 91 Resp: 1235
Ion Ratio Lower Upper
91 100
126 394.3 15.0 22.6#
128 85.5 4.6 7.0#



#67
sec-Butylbenzene
Concen: 0.108 ppbv
RT: 16.616 min Scan# 4358
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 105 Resp: 59419
Ion Ratio Lower Upper
105 100
134 34.2 15.0 22.6#

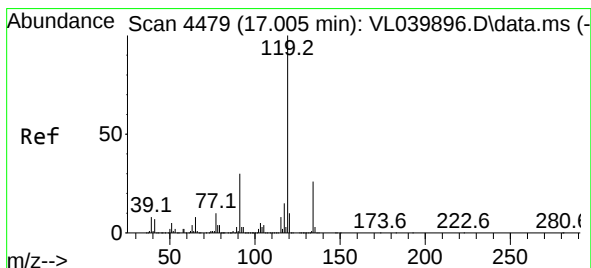
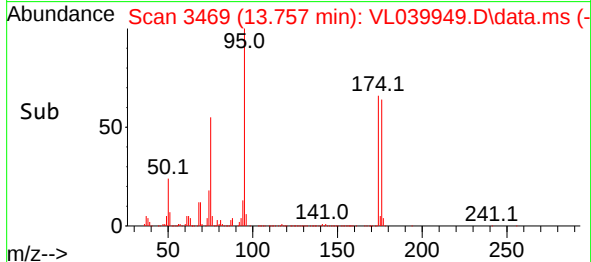
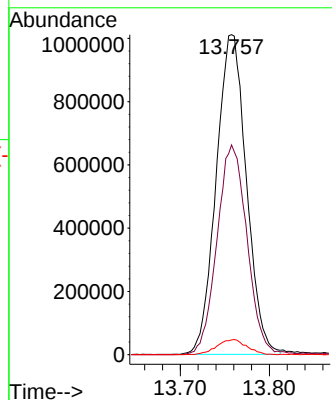
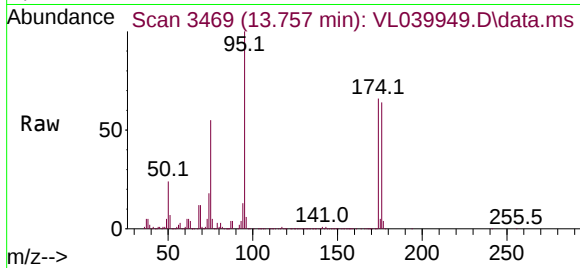




#68
1-Bromo-4-Fluorobenzene
Concen: 10.673 ppbv
RT: 13.757 min Scan# 3476
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

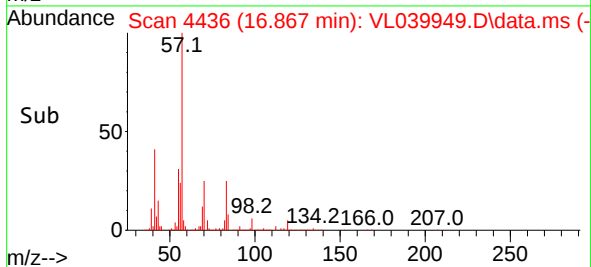
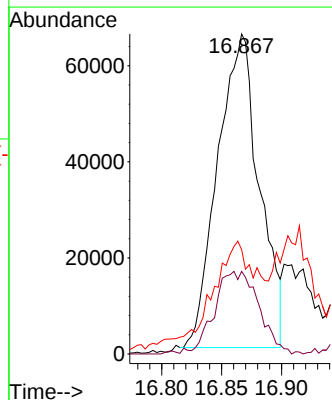
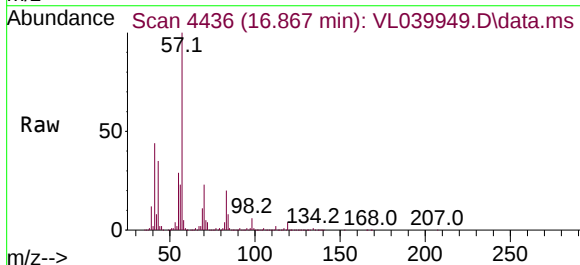
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

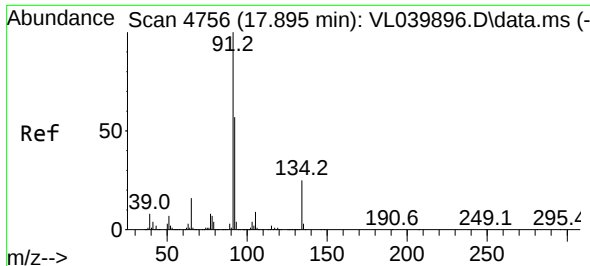
Tgt Ion: 95 Resp: 2379272
Ion Ratio Lower Upper
95 100
174 65.7 53.7 80.5
175 4.8 4.0 6.0



#69
p-Isopropyltoluene
Concen: 0.350 ppbv
RT: 16.867 min Scan# 4436
Delta R.T. -0.119 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 119 Resp: 158175
Ion Ratio Lower Upper
119 100
134 28.5 21.0 31.4
91 36.4 24.4 36.6

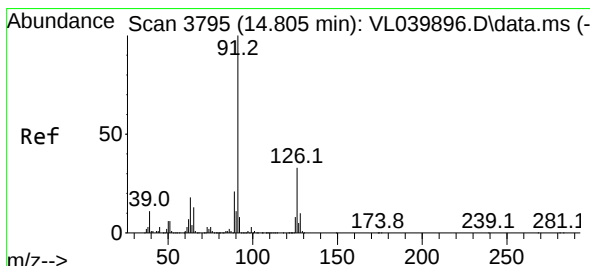
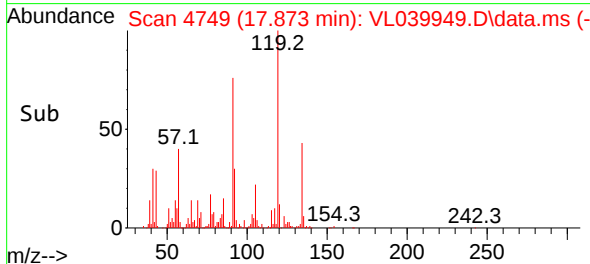
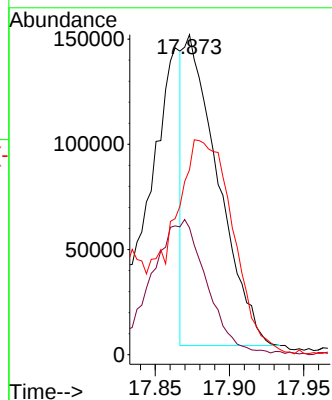
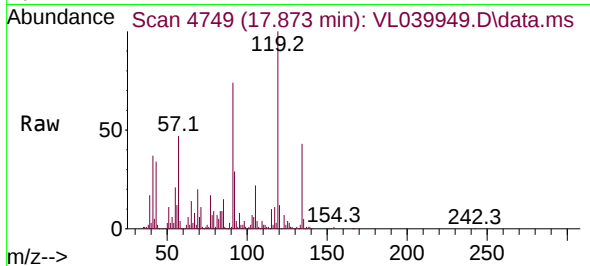




#70
n-Butylbenzene
Concen: 0.534 ppbv
RT: 17.873 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

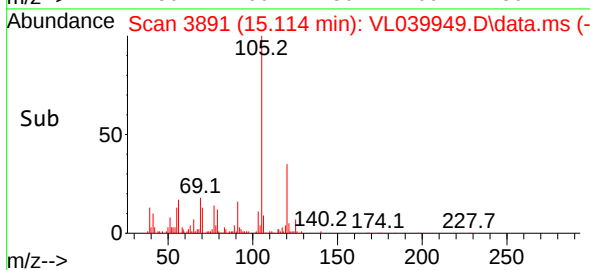
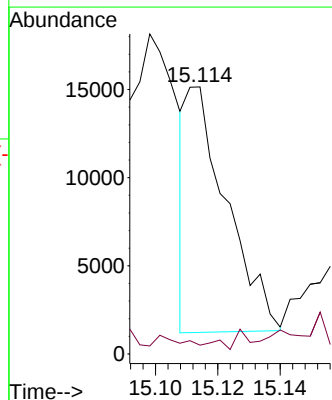
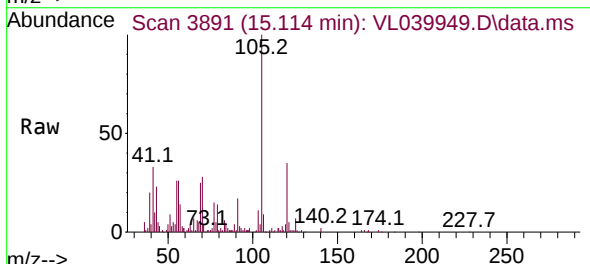
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

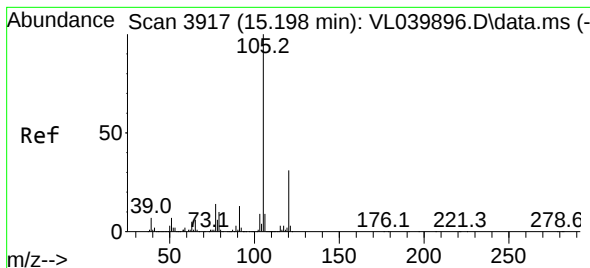
Tgt Ion: 91 Resp: 239292
Ion Ratio Lower Upper
91 100
92 73.4 44.2 66.2#
134 163.5 18.8 28.2#



#71
2-Chlorotoluene
Concen: 0.036 ppbv
RT: 15.114 min Scan# 3891
Delta R.T. 0.325 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion: 91 Resp: 12551
Ion Ratio Lower Upper
91 100
126 33.4 12.8 51.0





#72

4-Ethyltoluene

Concen: 0.214 ppbv

RT: 15.172 min Scan# 3909

Delta R.T. -0.010 min

Lab File: VL039949.D

Acq: 1 Dec 2022 19:40

Instrument :

MSVOA_L

ClientSampleId :

OTC-SS

Tgt Ion:105 Resp: 76142

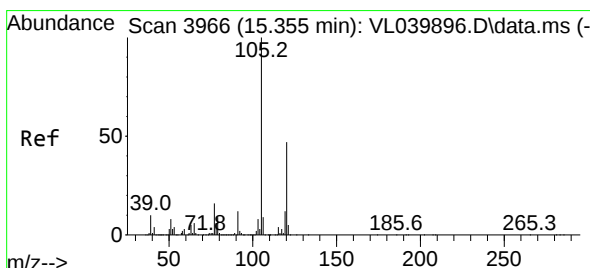
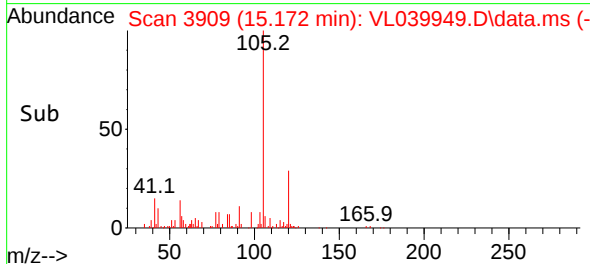
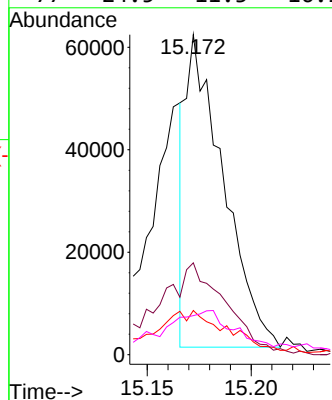
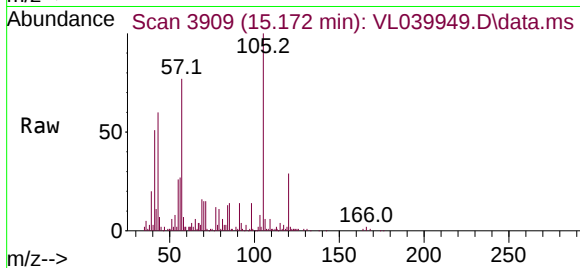
Ion Ratio Lower Upper

105 100

120 50.5 24.5 36.7#

91 24.5 10.4 15.6#

77 24.5 11.3 16.9#



#73

1,3,5-Trimethylbenzene

Concen: 0.767 ppbv

RT: 15.330 min Scan# 3958

Delta R.T. -0.013 min

Lab File: VL039949.D

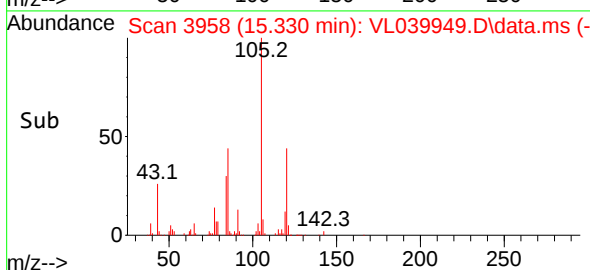
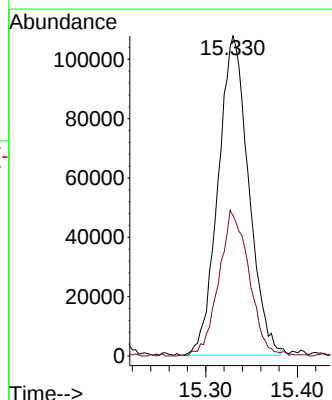
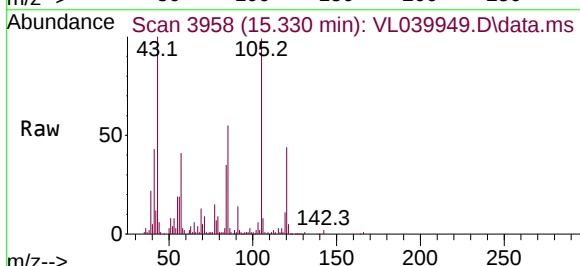
Acq: 1 Dec 2022 19:40

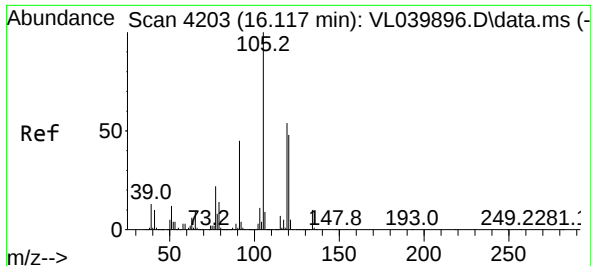
Tgt Ion:105 Resp: 249397

Ion Ratio Lower Upper

105 100

120 43.8 37.9 56.9

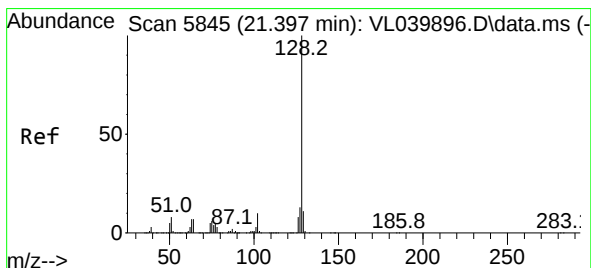
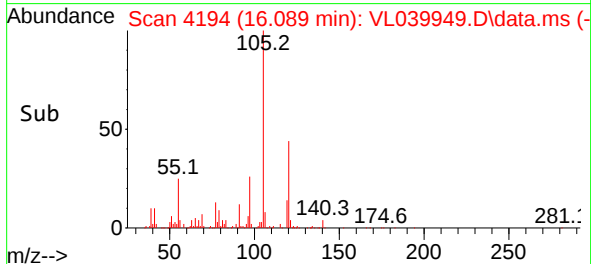
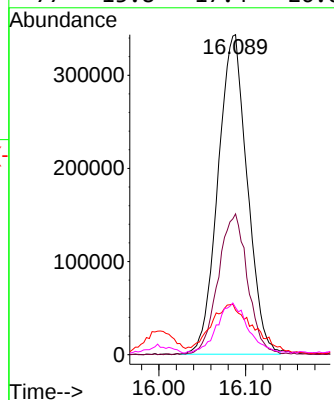
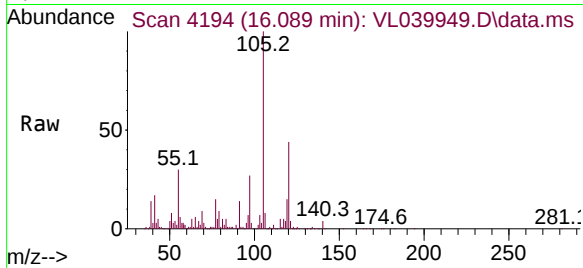




#74
1,2,4-Trimethylbenzene
Concen: 2.333 ppbv
RT: 16.089 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

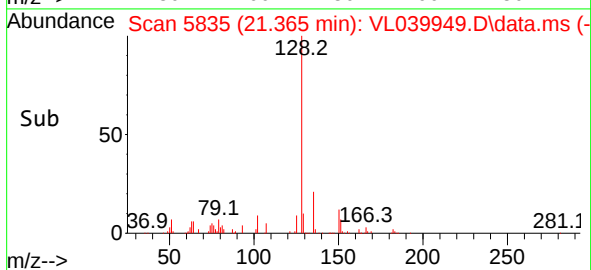
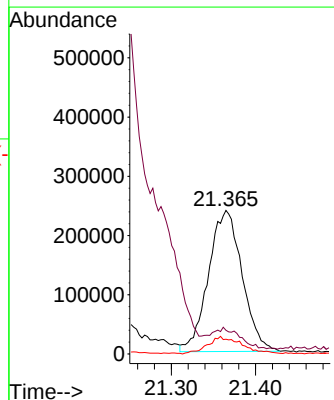
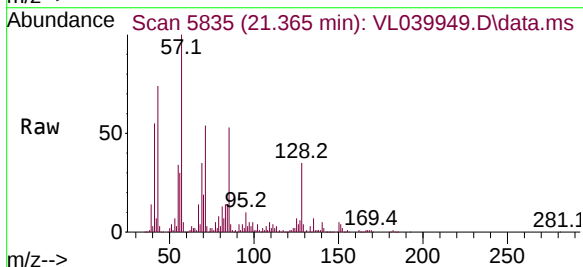
Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

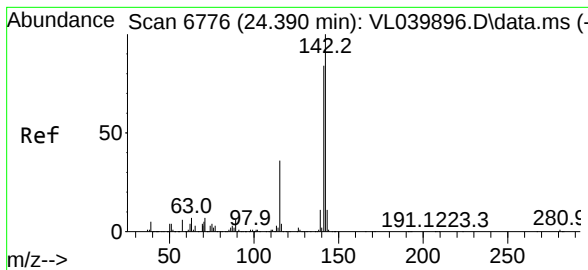
Tgt Ion:105 Resp: 803267
Ion Ratio Lower Upper
105 100
120 43.9 38.7 58.1
91 11.4 36.4 54.6#
77 13.8 17.4 26.0#



#79
Naphthalene
Concen: 3.214 ppbv
RT: 21.365 min Scan# 5835
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Tgt Ion:128 Resp: 662315
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 10.0 8.8 13.2





#80
Naphthalene, 2-methyl-
Concen: 0.261 ppbv
RT: 24.365 min Scan# 61
Delta R.T. -0.006 min
Lab File: VL039949.D
Acq: 1 Dec 2022 19:40

Instrument :
MSVOA_L
ClientSampleId :
OTC-SS

Tgt Ion:	142	Resp:	15117
Ion	Ratio	Lower	Upper
142	100		
141	214.4	69.1	103.7#
115	39.0	29.6	44.4

