

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041728.D
 Acq On : 11 Dec 2024 19:28
 Operator : SY/MD
 Sample : VL1211ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 13:39:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 12 13:35:39 2024
 Response via : Initial Calibration

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

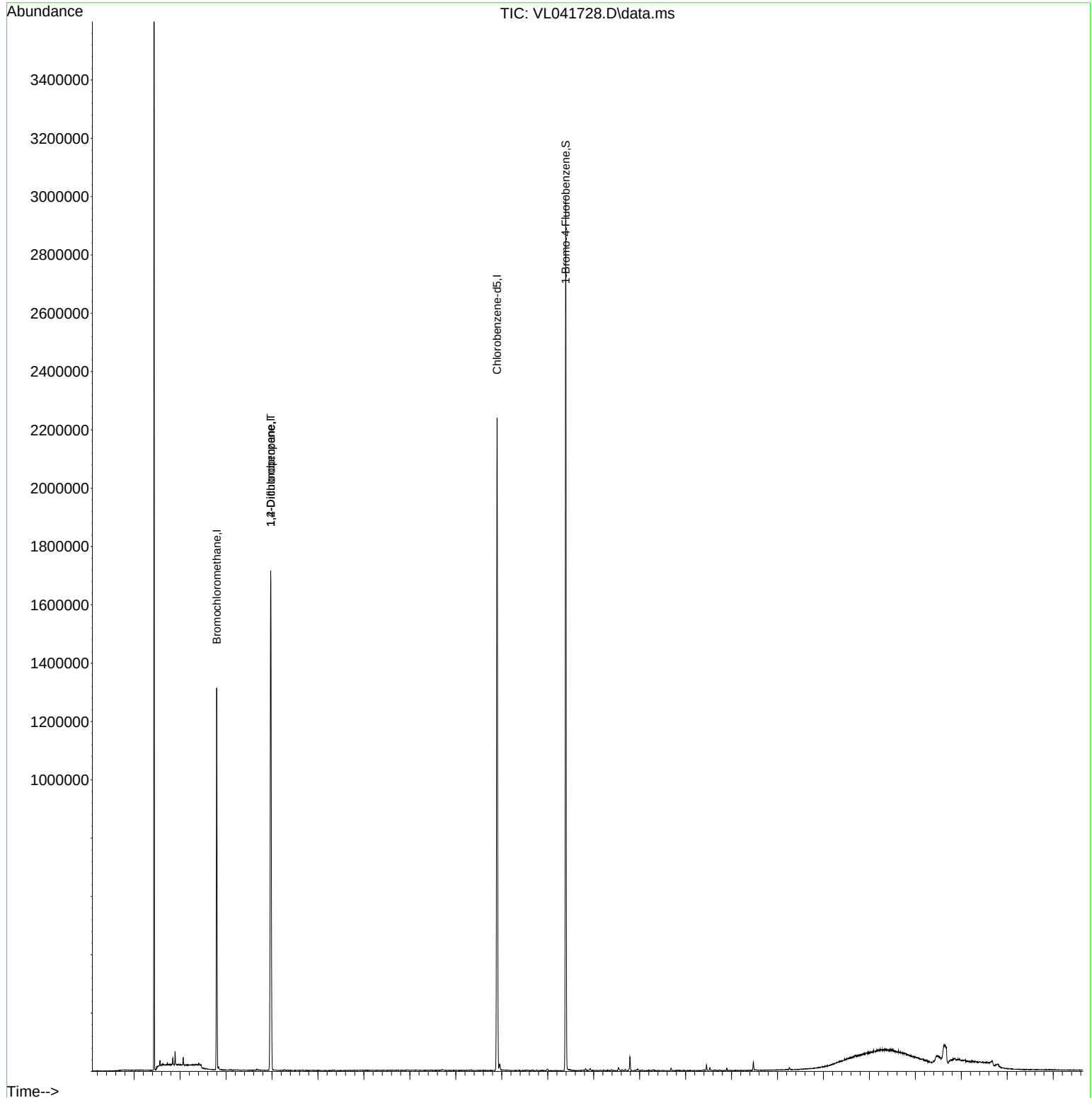
Internal Standards						
1) Bromochloromethane	2.797	49	272196	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	1359828	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	1203529	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	788122	9.961	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.470	51	1470	0.040	ppbv #	50
4) Chloromethane	1.534	50	787	0.062	ppbv	100
9) Propene	1.890	41	1798	0.114	ppbv	95
13) Ethanol	1.725	45	1934	1.480	ppbv #	34
15) Acetone	1.842	43	10448	0.332	ppbv #	85
16) 1,3-Butadiene	1.606	39	512	0.049	ppbv #	79
19) Isopropyl Alcohol	1.890	45	20471	0.686	ppbv #	30
20) Methylene Chloride	2.068	84	5520	0.290	ppbv	94
26) Hexane	2.839	57	2643	0.062	ppbv #	54
34) 2-Butanone	2.570	43	1684	0.035	ppbv #	79
39) 1,2-Dichloropropane	3.972	63	220410	6.470	ppbv #	32
79) Naphthalene	13.526	128	6218	0.052	ppbv #	88
80) Naphthalene,2-methyl-	14.474	142	10821	0.251	ppbv	96
81) 1,2,4-Trichlorobenzene	13.455	180	4234	0.057	ppbv	98

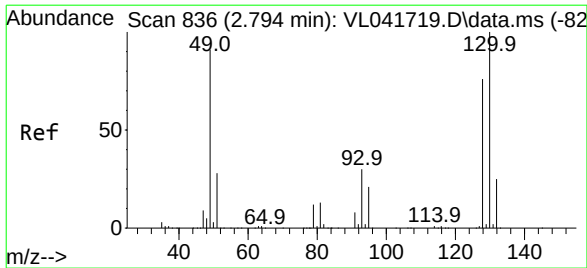
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 12 13:39:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Dec 12 13:35:39 2024
Response via : Initial Calibration

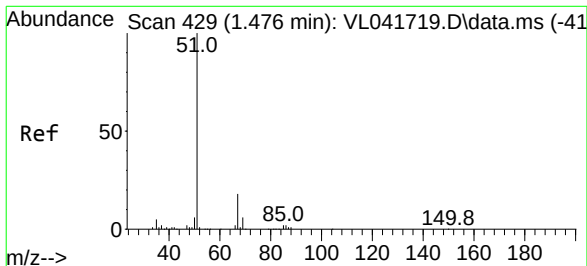
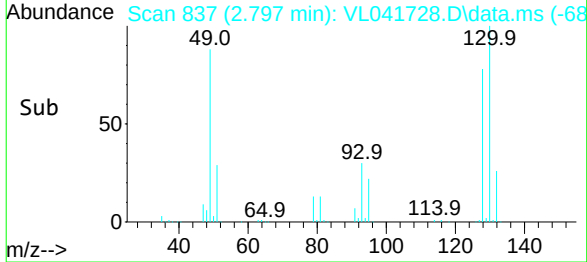
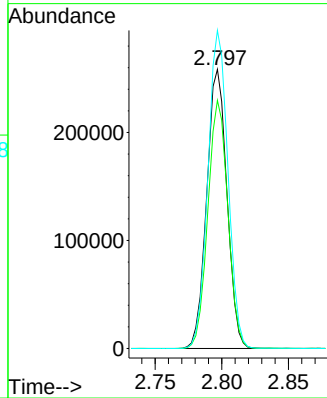
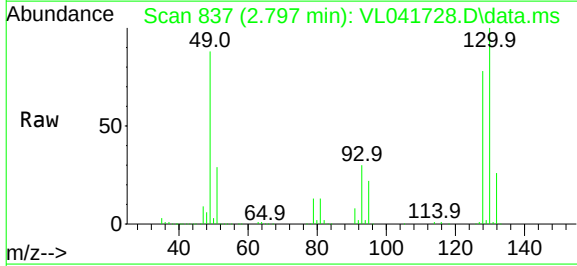




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 836
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

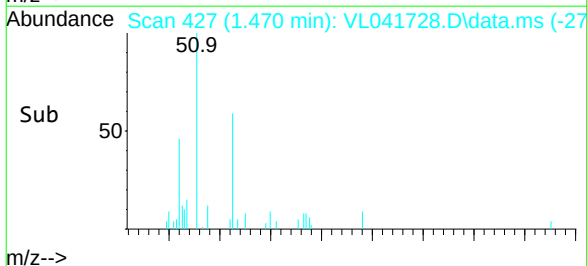
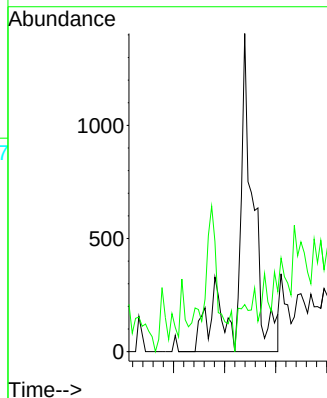
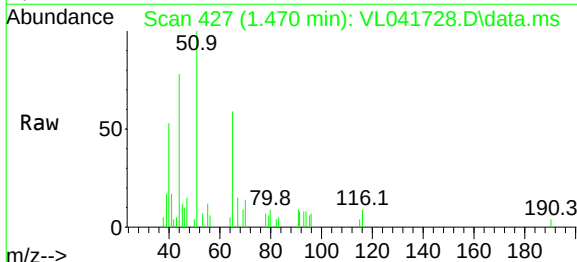
Instrument :
MSVOA_L
ClientSampleId :

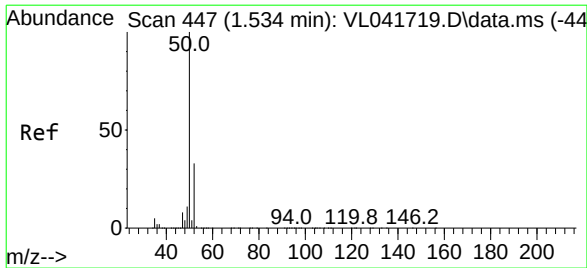
Tgt Ion: 49 Resp: 272196
Ion Ratio Lower Upper
49 100
128 88.0 42.8 128.3
130 113.1 55.8 167.4



#3
Chlorodifluoromethane
Concen: 0.040 ppbv
RT: 1.470 min Scan# 427
Delta R.T. -0.007 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Tgt Ion: 51 Resp: 1470
Ion Ratio Lower Upper
51 100
67 40.5 14.6 21.8#

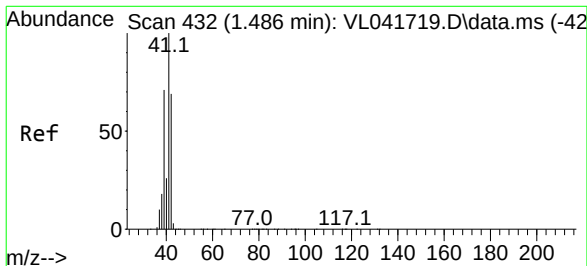
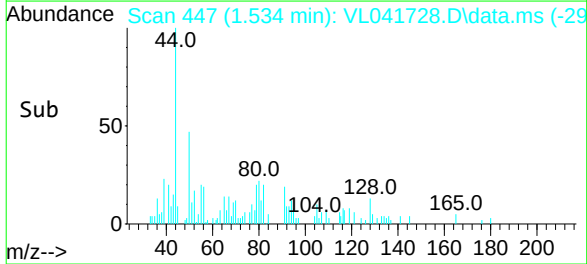
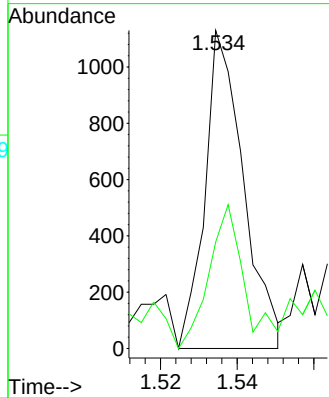
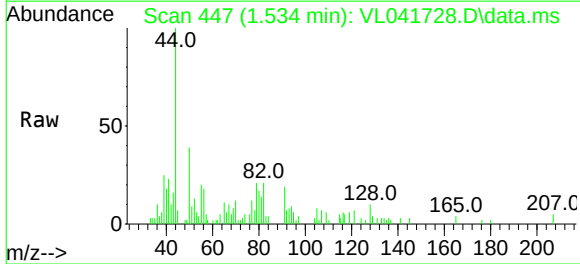




#4
Chloromethane
Concen: 0.062 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

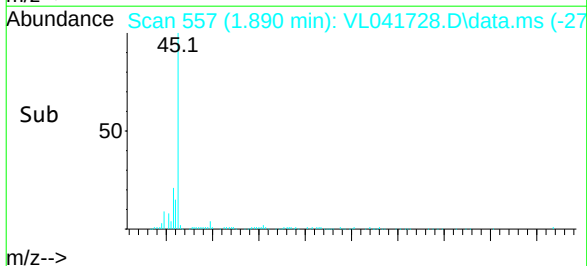
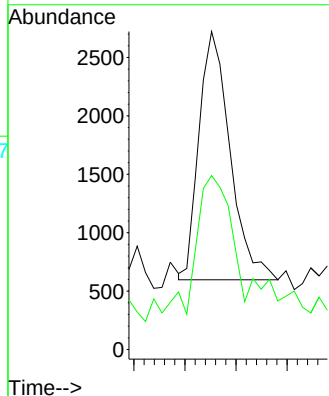
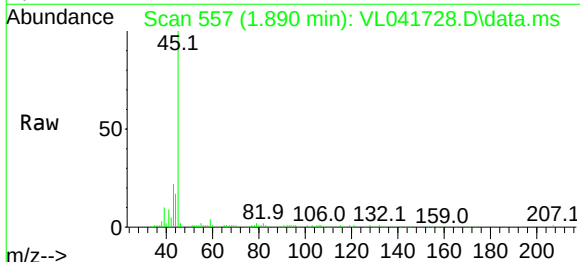
Instrument :
MSVOA_L
ClientSampleId :

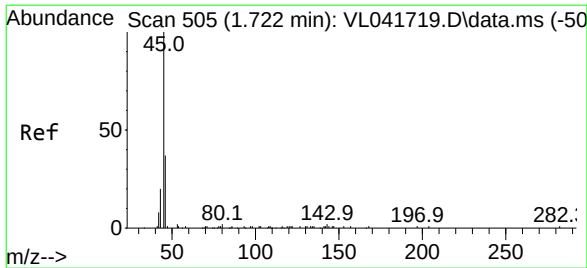
Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 33.5 26.6 40.0



#9
Propene
Concen: 0.114 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.405 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Tgt Ion: 41 Resp: 1798
Ion Ratio Lower Upper
41 100
42 74.6 56.2 84.4

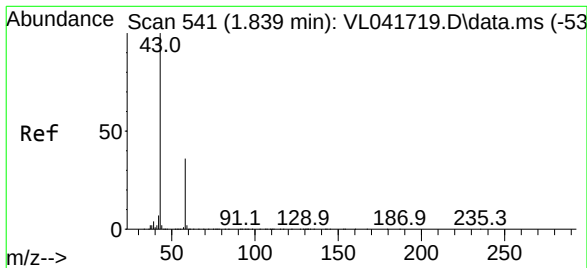
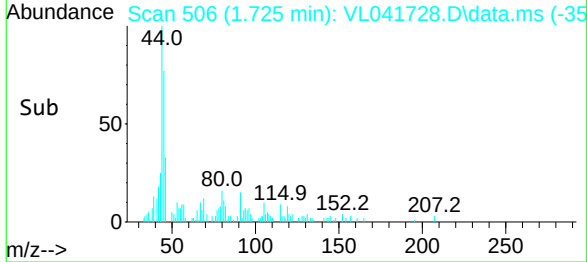
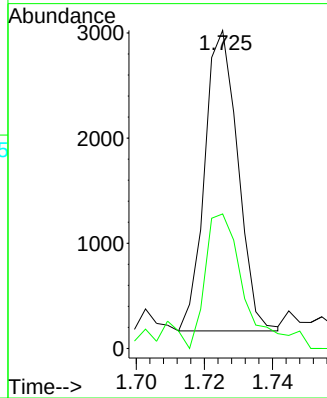
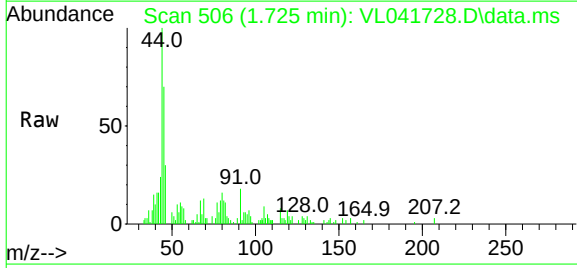




#13
Ethanol
Concen: 1.480 ppbv
RT: 1.725 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

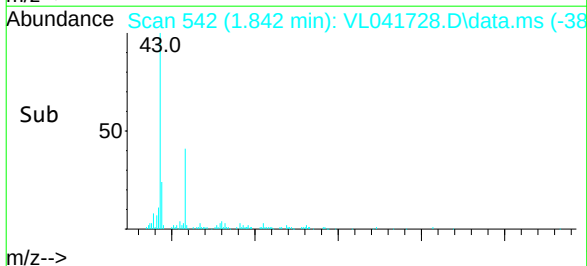
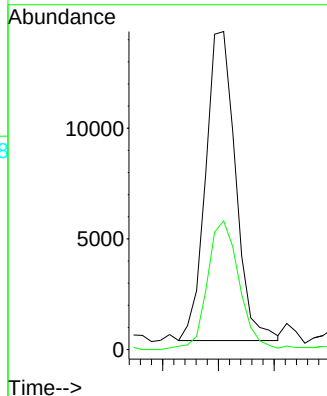
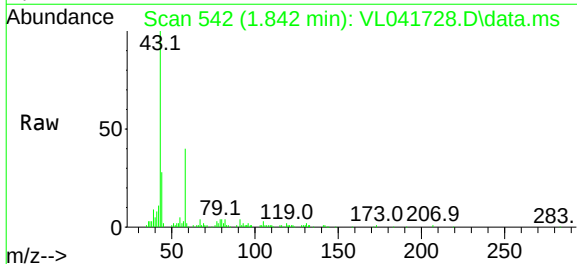
Instrument :
MSVOA_L
ClientSampleId :

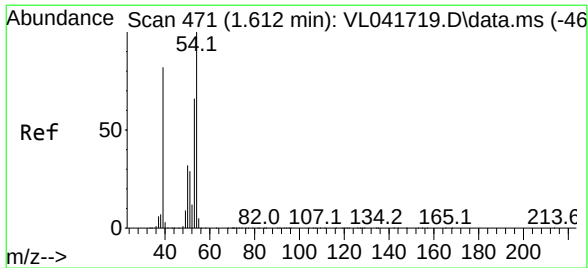
Tgt Ion: 45 Resp: 1934
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.6#



#15
Acetone
Concen: 0.332 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

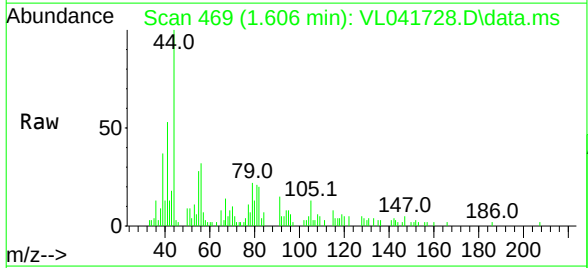
Tgt Ion: 43 Resp: 10448
Ion Ratio Lower Upper
43 100
58 44.7 28.9 43.3#



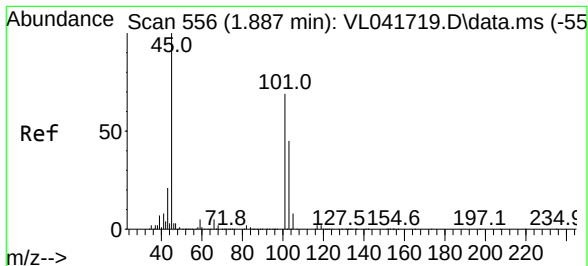
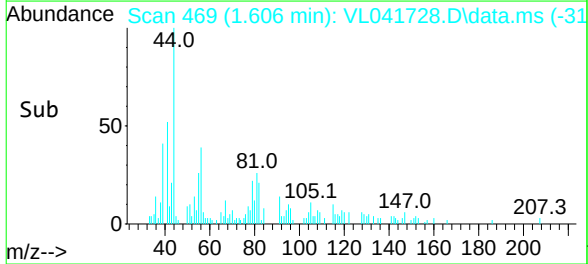
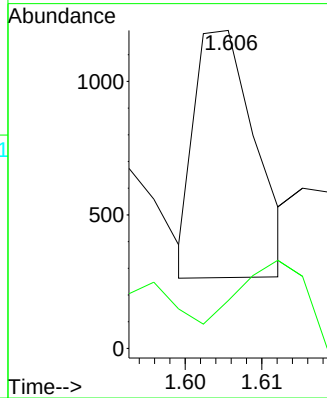


#16
1,3-Butadiene
Concen: 0.049 ppbv
RT: 1.606 min Scan# 46
Delta R.T. -0.007 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :

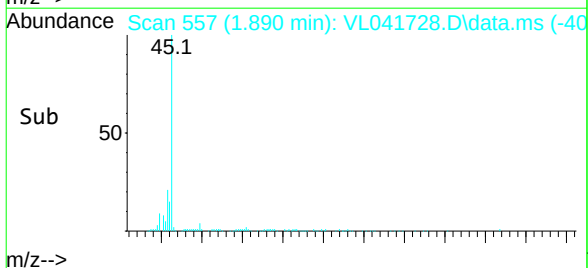
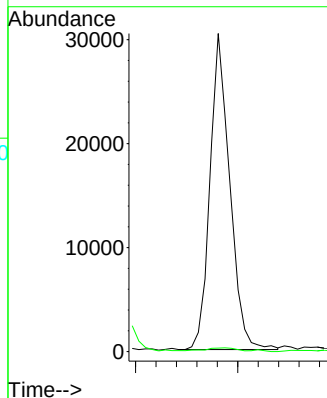
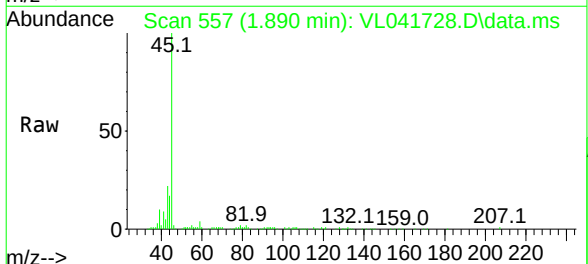


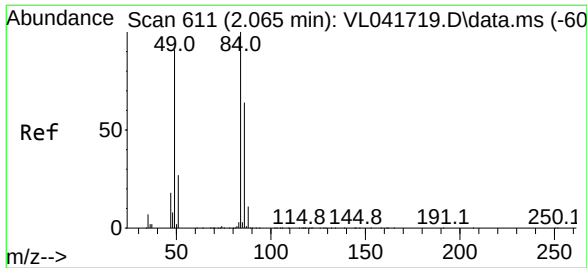
Tgt Ion: 39 Resp: 512
Ion Ratio Lower Upper
39 100
54 84.2 85.0 127.6#



#19
Isopropyl Alcohol
Concen: 0.686 ppbv
RT: 1.890 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

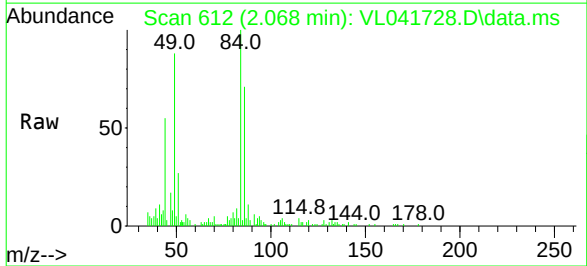
Tgt Ion: 45 Resp: 20471
Ion Ratio Lower Upper
45 100
58 2.3 40.6 61.0#



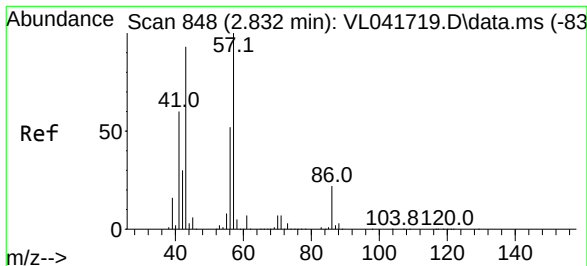
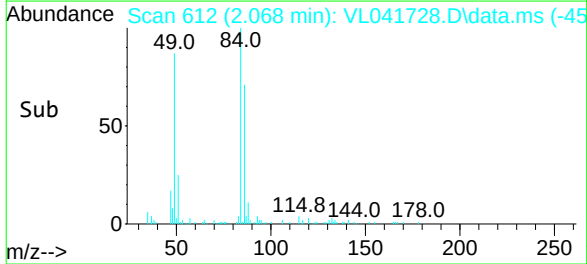
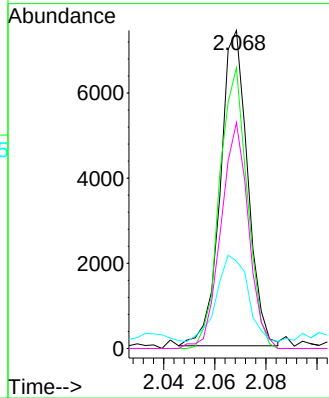


#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 2.068 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :

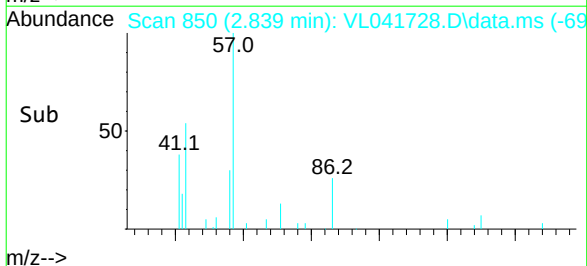
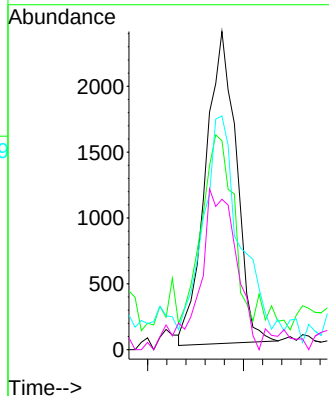
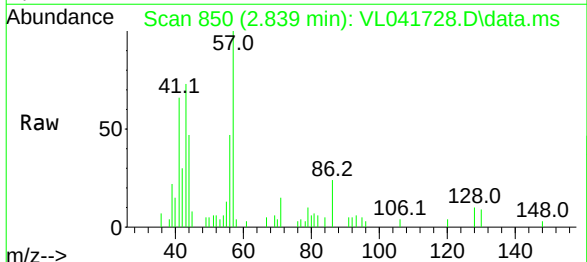


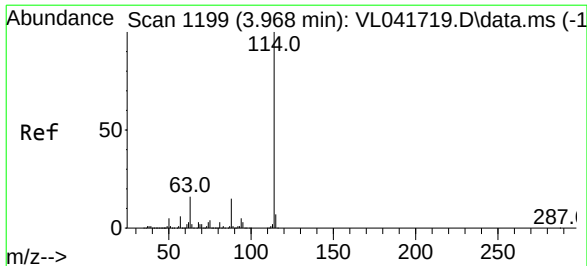
Tgt Ion: 84	Resp: 5520
Ion Ratio	Lower Upper
84 100	
49 89.1	73.6 110.4
51 25.5	22.7 34.1
86 71.6	51.4 77.0



#26
Hexane
Concen: 0.062 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.006 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

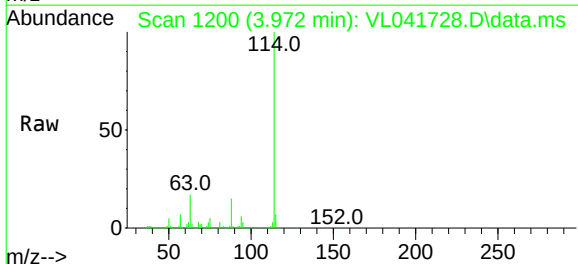
Tgt Ion: 57	Resp: 2643
Ion Ratio	Lower Upper
57 100	
41 67.0	49.5 74.3
43 82.8	150.6 225.8#
56 52.4	41.6 62.4



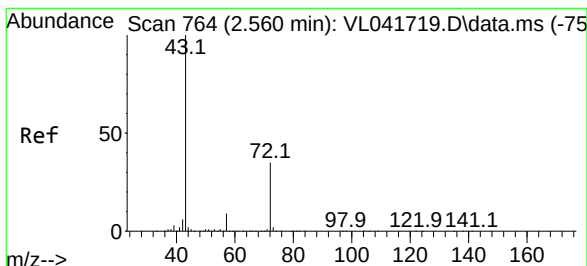
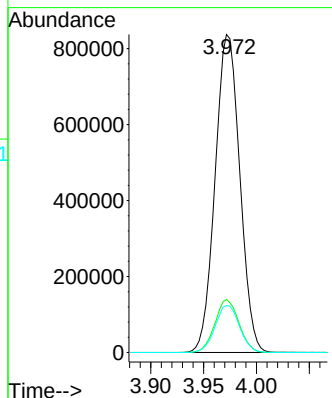
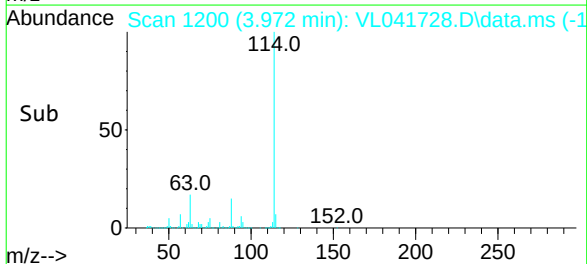


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 12
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :

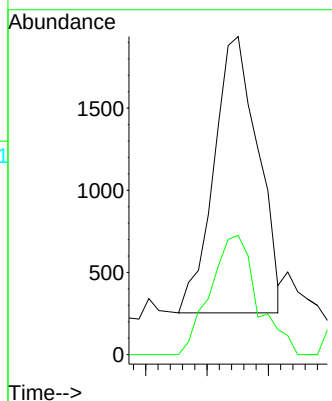
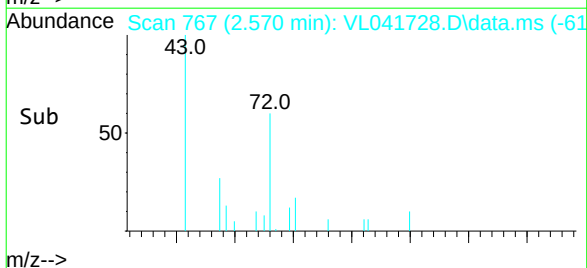
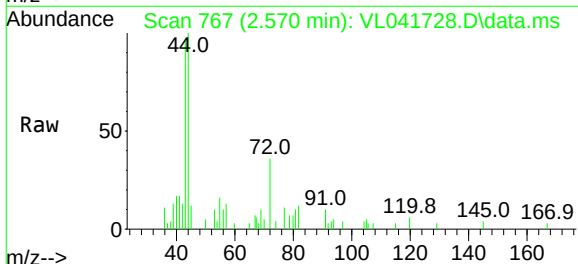


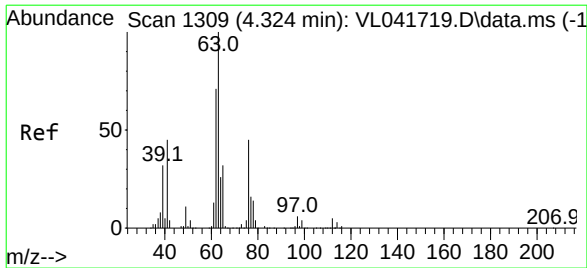
Tgt Ion: 114 Resp: 1359828
Ion Ratio Lower Upper
114 100
63 16.2 12.9 19.3
88 14.7 11.8 17.6



#34
2-Butanone
Concen: 0.035 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.010 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

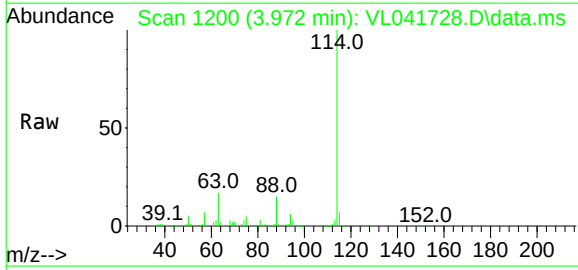
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 47.8 28.3 42.5#



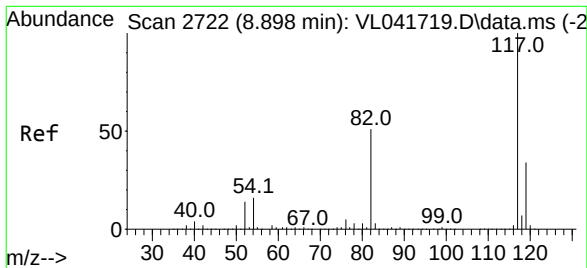
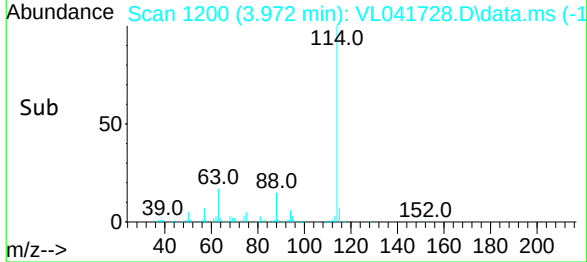
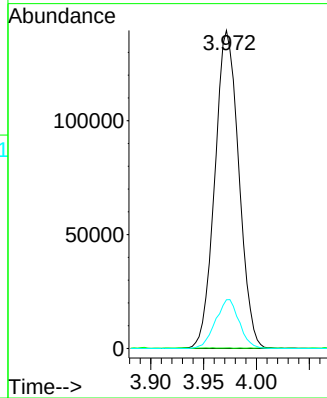


#39
1,2-Dichloropropane
Concen: 6.470 ppbv
RT: 3.972 min Scan# 12
Delta R.T. -0.353 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :

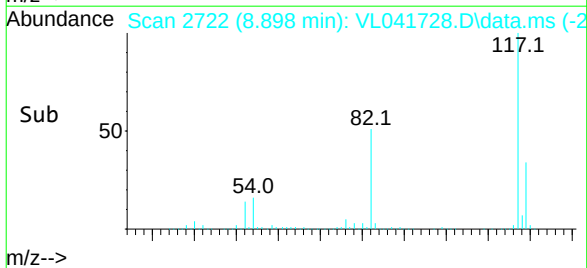
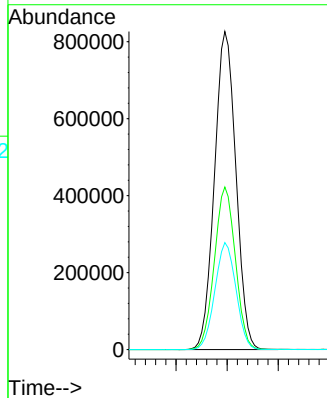
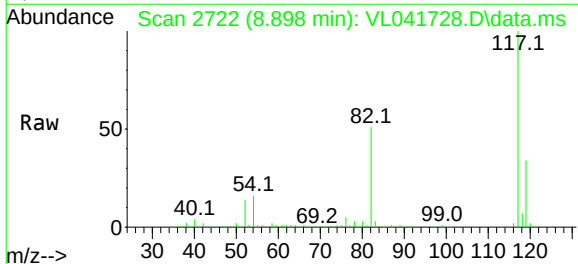


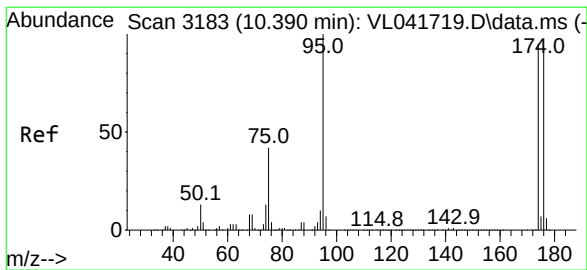
Tgt Ion: 63 Resp: 220410
Ion Ratio Lower Upper
63 100
41 0.0 36.4 54.6#
62 15.3 56.6 85.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.000 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

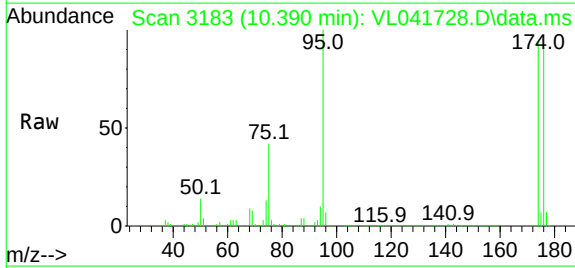
Tgt Ion: 117 Resp: 1203529
Ion Ratio Lower Upper
117 100
82 50.1 41.3 61.9
119 33.2 25.8 38.8



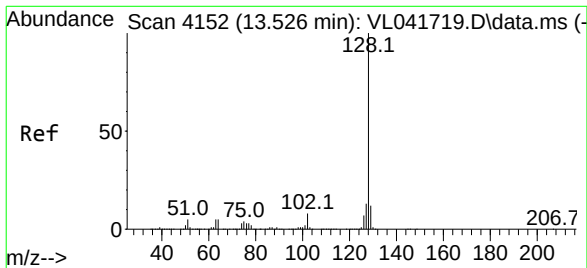
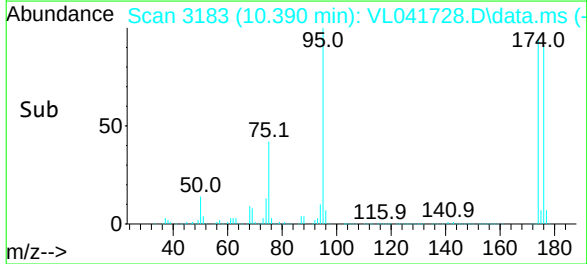
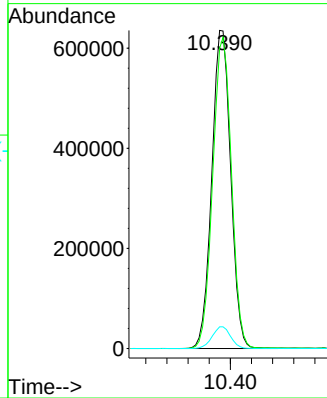


#68
1-Bromo-4-Fluorobenzene
Concen: 9.961 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.000 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

Instrument :
MSVOA_L
ClientSampleId :

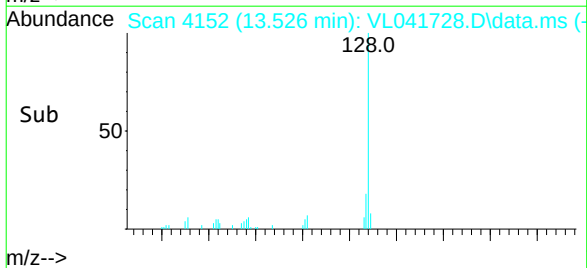
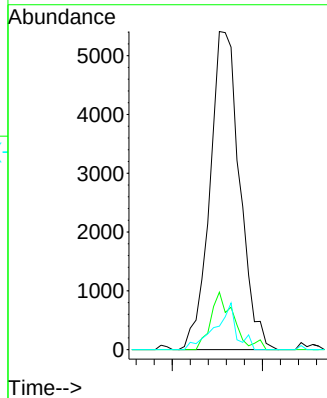
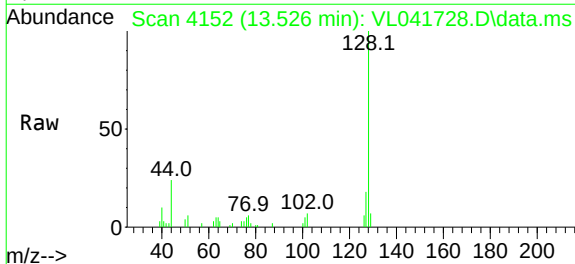


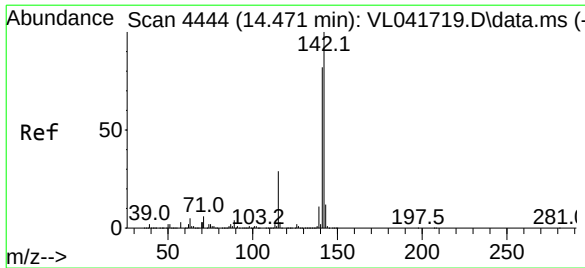
Tgt Ion: 95 Resp: 788122
Ion Ratio Lower Upper
95 100
174 97.3 76.7 115.1
175 6.7 5.4 8.2



#79
Naphthalene
Concen: 0.052 ppbv
RT: 13.526 min Scan# 4152
Delta R.T. -0.000 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

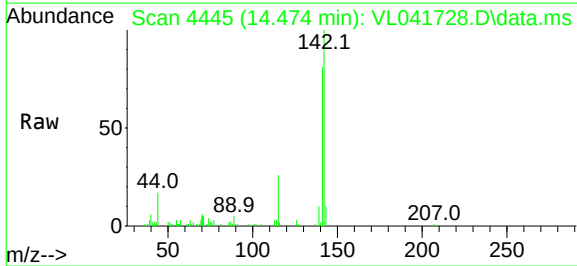
Tgt Ion: 128 Resp: 6218
Ion Ratio Lower Upper
128 100
127 18.1 10.2 15.2#
129 7.4 9.4 14.0#



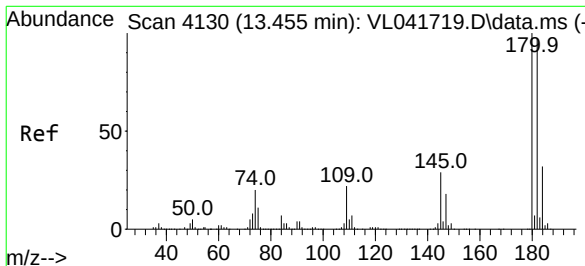
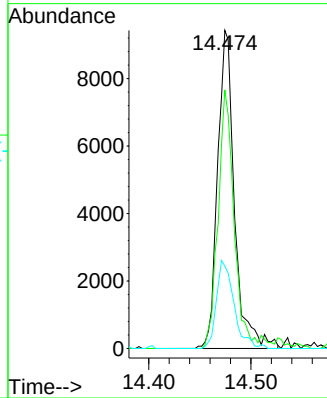
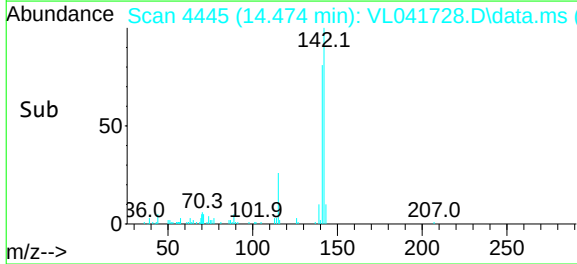


#80
Naphthalene, 2-methyl-
Concen: 0.251 ppbv
RT: 14.474 min Scan# 4444
Delta R.T. 0.003 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28

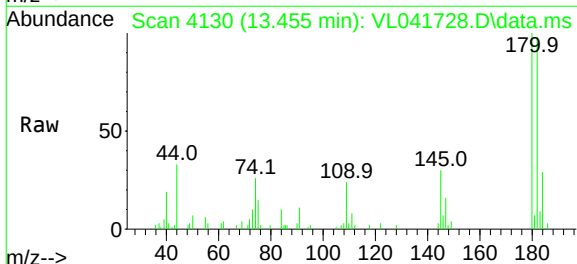
Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:	142	Resp:	10821
Ion	Ratio	Lower	Upper
142	100		
141	77.7	66.0	99.0
115	28.9	22.8	34.2



#81
1,2,4-Trichlorobenzene
Concen: 0.057 ppbv
RT: 13.455 min Scan# 4130
Delta R.T. -0.000 min
Lab File: VL041728.D
Acq: 11 Dec 2024 19:28



Tgt Ion:	180	Resp:	4234
Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.2	115.8
184	31.4	25.2	37.8

