

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041416.D
 Acq On : 26 Jul 2024 11:25
 Operator : SY/MD
 Sample : P3320-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2DL

Quant Time: Jul 29 01:47:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1143296	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	3061150	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2834529	10.000	ppbv	#-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2174594	9.969	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

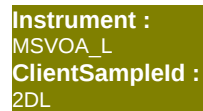
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue

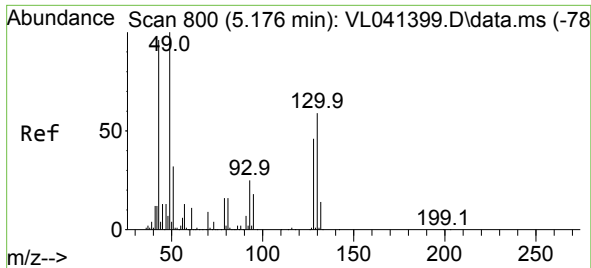
2) Dichlorodifluoromethane	2.713	85	20200	0.103	ppbv	94
4) Chloromethane	2.796	50	9694	0.134	ppbv	93
9) Propene	2.671	41	2072	0.033	ppbv #	1
11) Trichlorofluoromethane	3.546	101	8549	0.049	ppbv	89
13) Ethanol	3.227	45	52712	9.433	ppbv	83
15) Acetone	3.456	43	179244	1.380	ppbv	96
19) Isopropyl Alcohol	3.571	45	39029	0.514	ppbv #	95
20) Methylene Chloride	3.915	84	475448	9.815	ppbv	98
25) Ethyl Acetate	5.195	43	169349	0.656	ppbv #	78
26) Hexane	5.198	57	227901	2.129	ppbv #	38
34) 2-Butanone	4.780	43	7962	0.054	ppbv #	49
39) 1,2-Dichloropropane	6.639	63	749046	8.747	ppbv #	24

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

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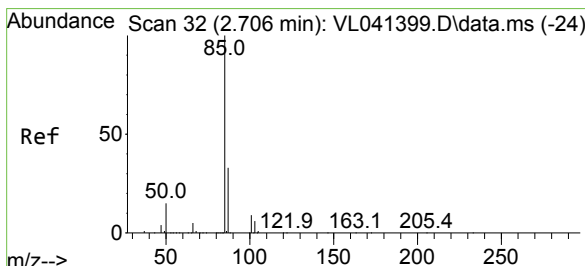
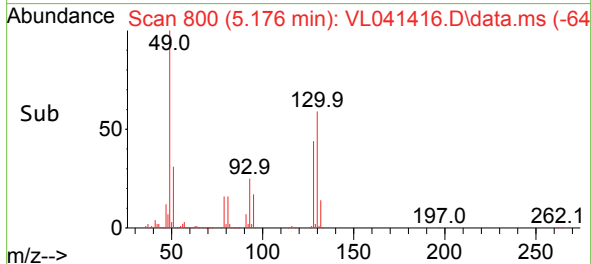
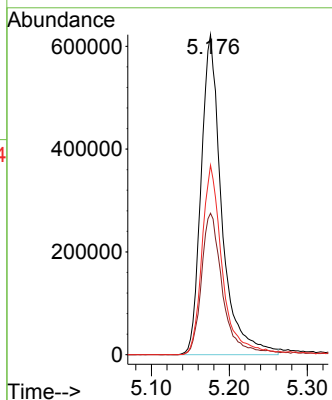
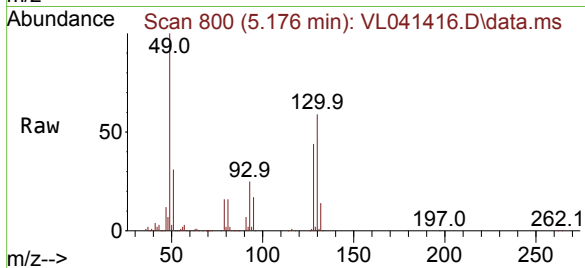




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041416.D
 Acq: 26 Jul 2024 11:25

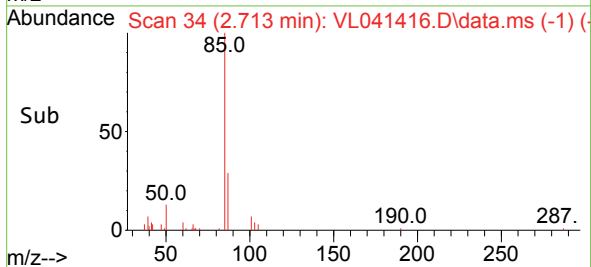
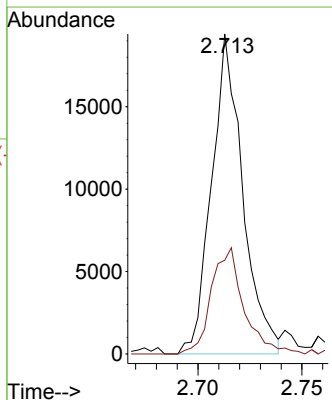
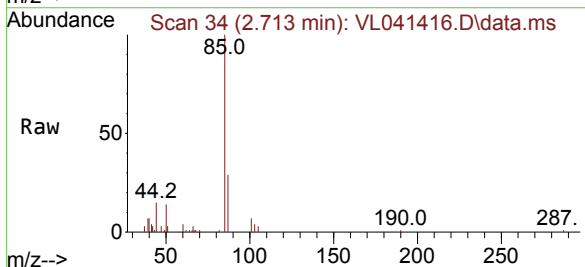
Instrument :
 MSVOA_L
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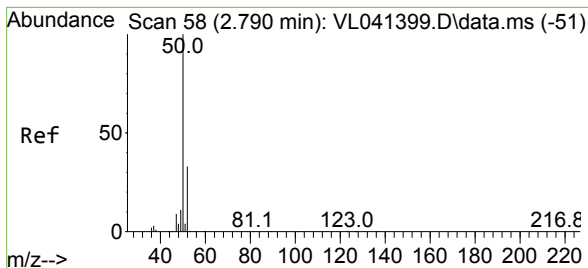
Tgt Ion: 49 Resp: 1143296
 Ion Ratio Lower Upper
 49 100
 128 46.8 23.8 71.4
 130 60.3 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 0.103 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. 0.006 min
 Lab File: VL041416.D
 Acq: 26 Jul 2024 11:25

Tgt Ion: 85 Resp: 20200
 Ion Ratio Lower Upper
 85 100
 87 29.3 26.0 39.0

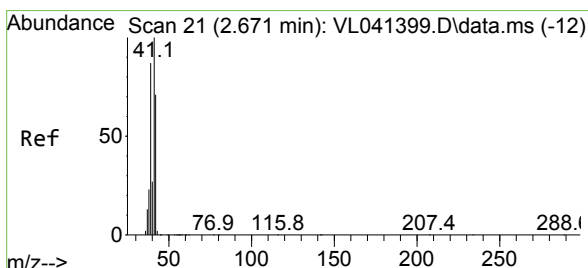
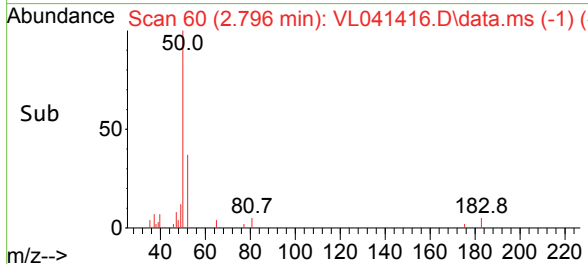
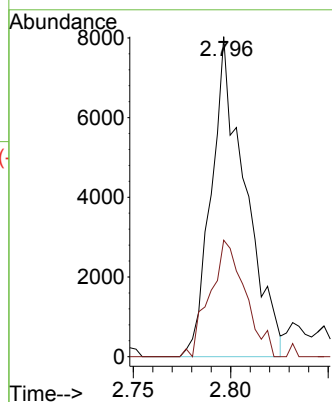
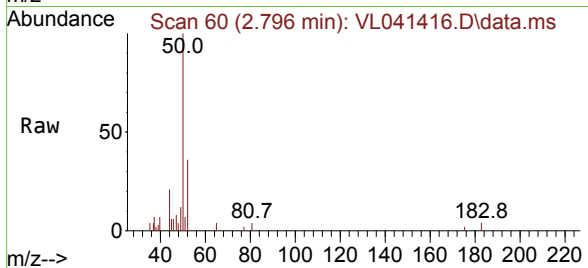




#4
Chloromethane
Concen: 0.134 ppbv
RT: 2.796 min Scan# 60
Delta R.T. 0.006 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

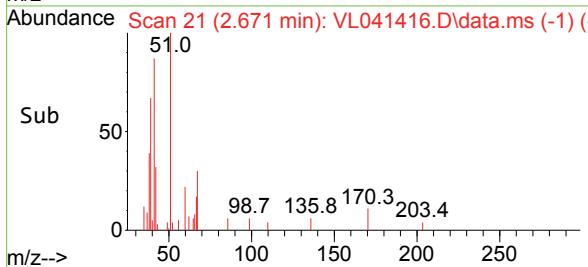
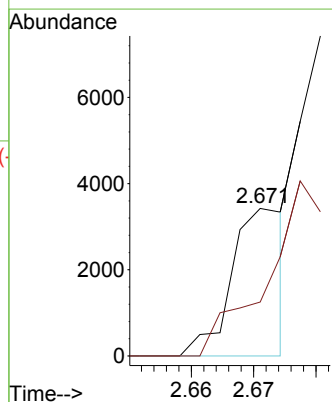
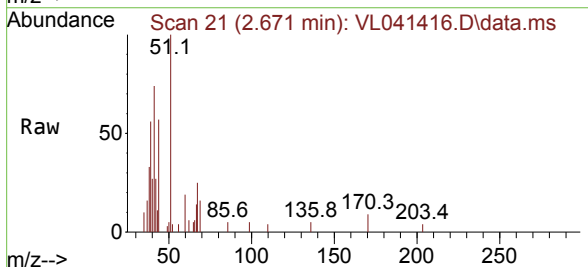
Instrument :
MSVOA_L
ClientSampleId :
2DL

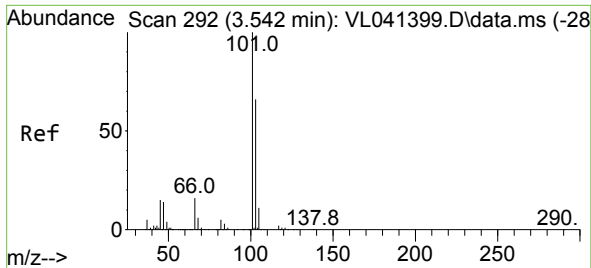
Tgt Ion: 50 Resp: 9694
Ion Ratio Lower Upper
50 100
52 36.4 26.1 39.1



#9
Propene
Concen: 0.033 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion: 41 Resp: 2072
Ion Ratio Lower Upper
41 100
42 309.5 55.9 83.9#

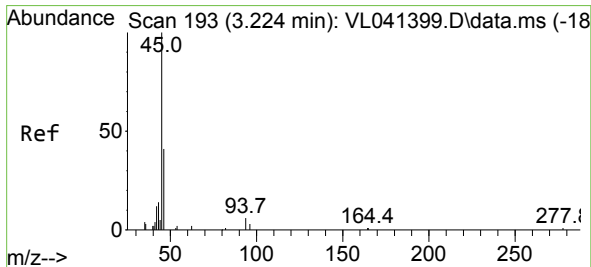
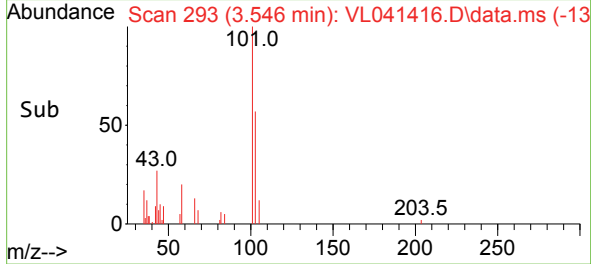
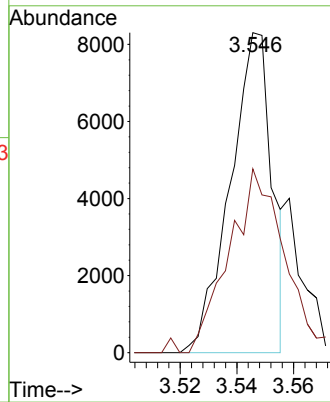
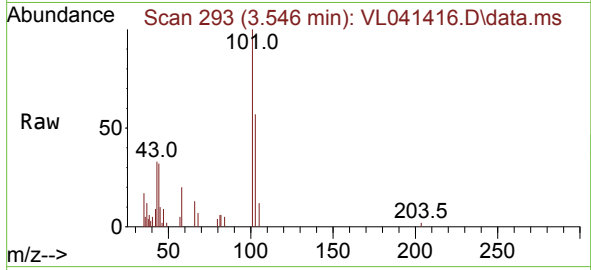




#11
 Trichlorofluoromethane
 Concen: 0.049 ppbv
 RT: 3.546 min Scan# 292
 Delta R.T. 0.003 min
 Lab File: VL041416.D
 Acq: 26 Jul 2024 11:25

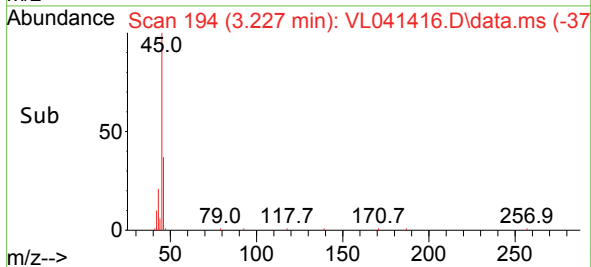
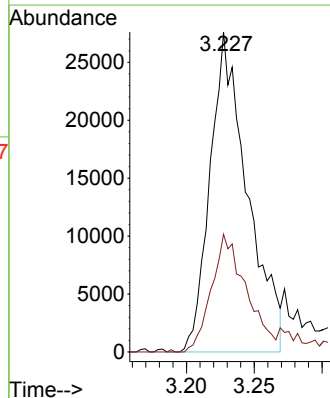
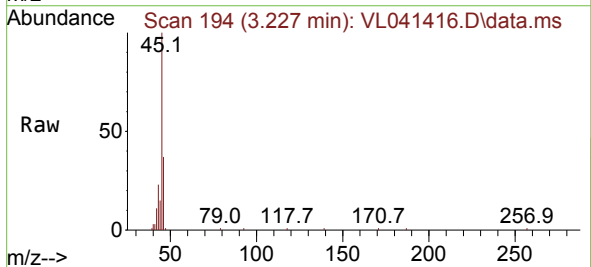
Instrument :
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 ClientSampleId :
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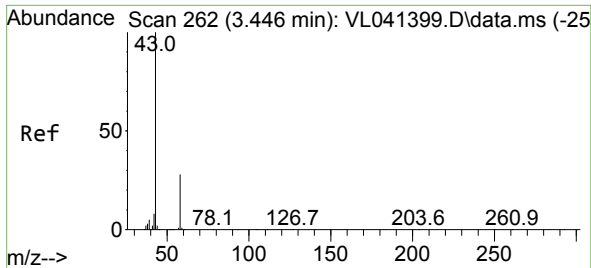
Tgt Ion:101 Resp: 8549
 Ion Ratio Lower Upper
 101 100
 103 57.4 52.6 79.0



#13
 Ethanol
 Concen: 9.433 ppbv
 RT: 3.227 min Scan# 194
 Delta R.T. 0.003 min
 Lab File: VL041416.D
 Acq: 26 Jul 2024 11:25

Tgt Ion: 45 Resp: 52712
 Ion Ratio Lower Upper
 45 100
 46 42.9 13.4 53.4

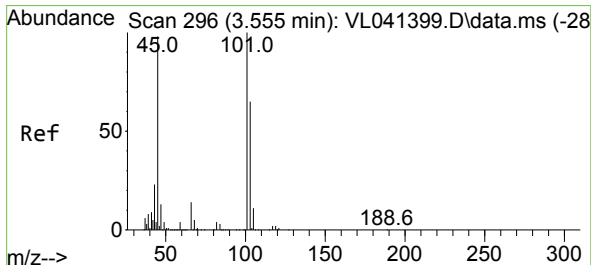
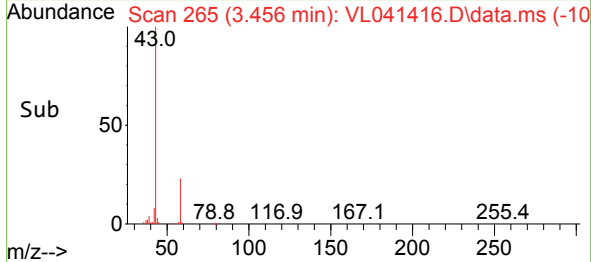
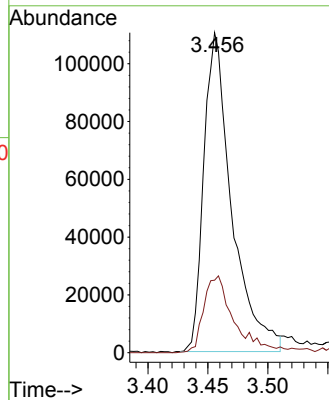
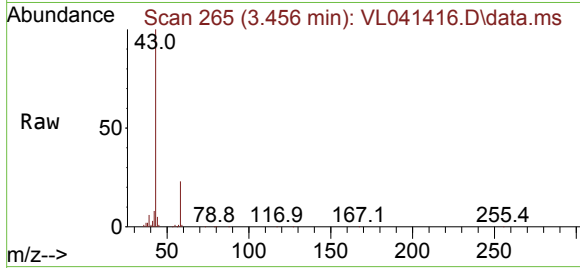




#15
Acetone
Concen: 1.380 ppbv
RT: 3.456 min Scan# 201
Delta R.T. 0.010 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

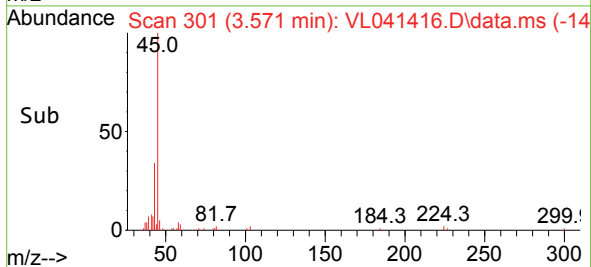
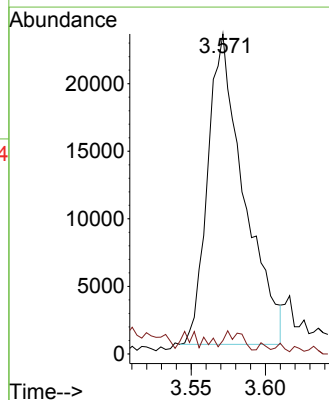
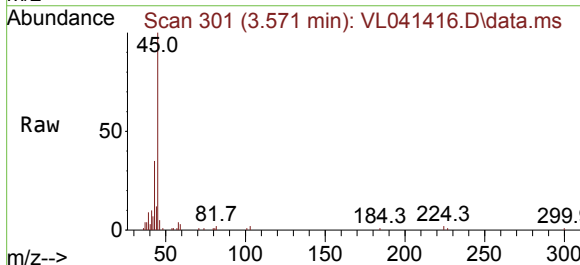
Instrument :
MSVOA_L
ClientSampleId :
2DL

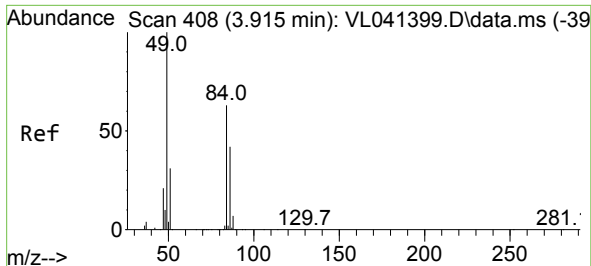
Tgt Ion: 43 Resp: 179244
Ion Ratio Lower Upper
43 100
58 29.0 21.4 32.2



#19
Isopropyl Alcohol
Concen: 0.514 ppbv
RT: 3.571 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion: 45 Resp: 39029
Ion Ratio Lower Upper
45 100
58 4.2 1.9 2.9#



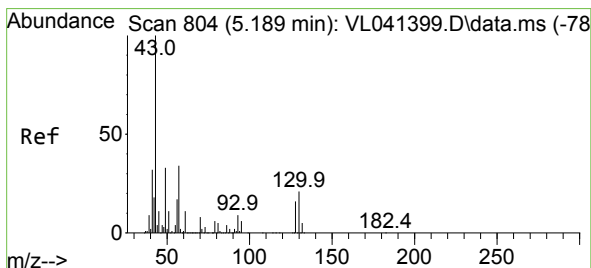
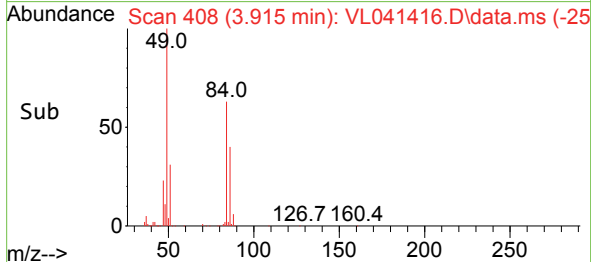
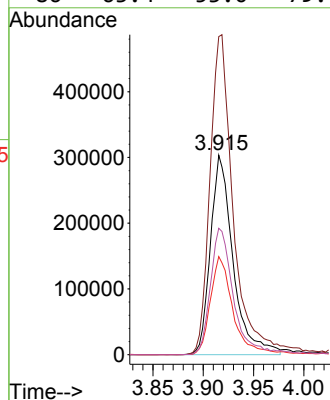
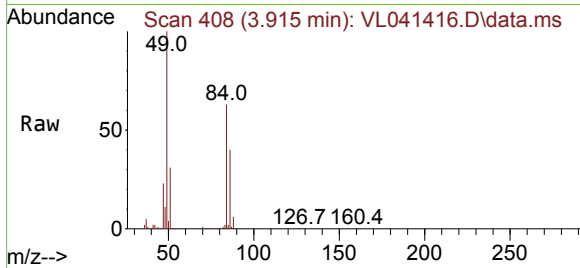


#20
Methylene Chloride
Concen: 9.815 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.000 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion: 84 Resp: 475448

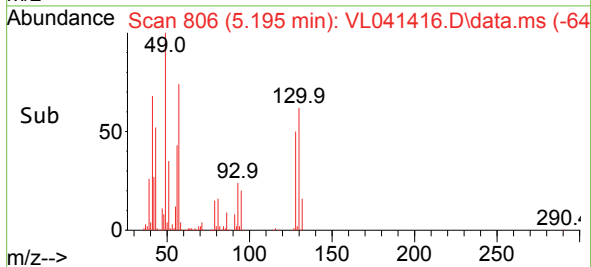
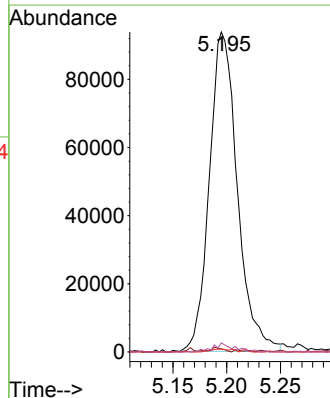
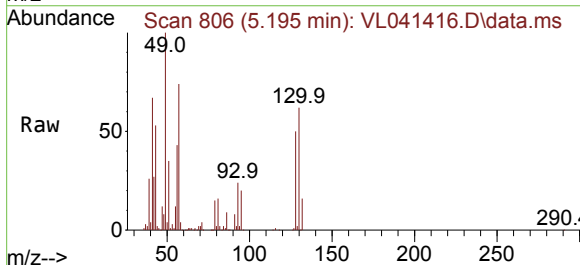
Ion	Ratio	Lower	Upper
84	100		
49	159.4	126.6	190.0
51	49.1	38.6	58.0
86	63.4	53.0	79.4

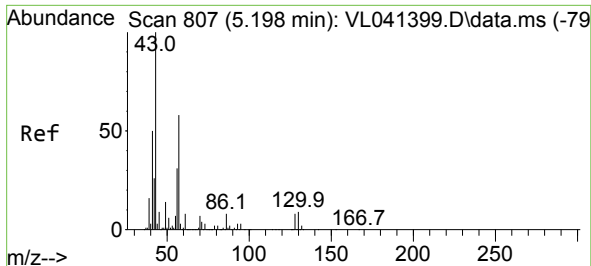


#25
Ethyl Acetate
Concen: 0.656 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.006 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion: 43 Resp: 169349

Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.5	12.7#
61	0.9	8.0	12.0#
70	2.2	5.9	8.9#

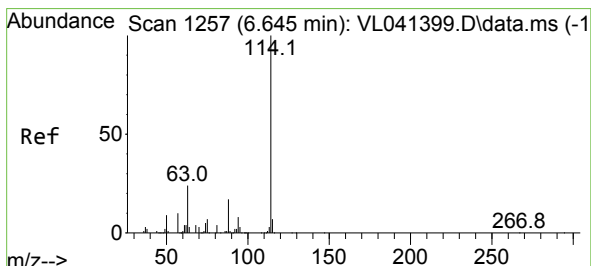
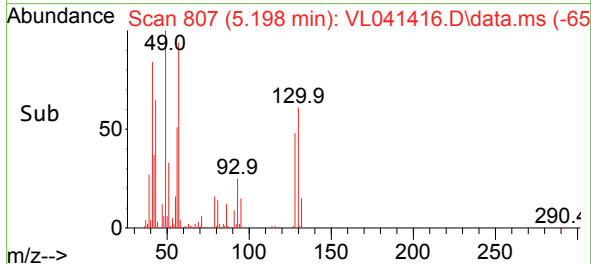
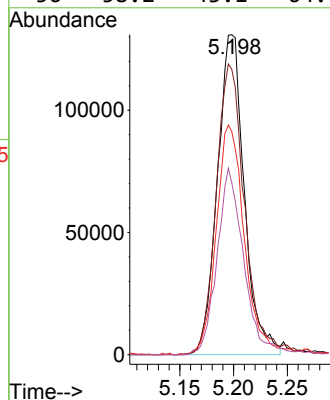
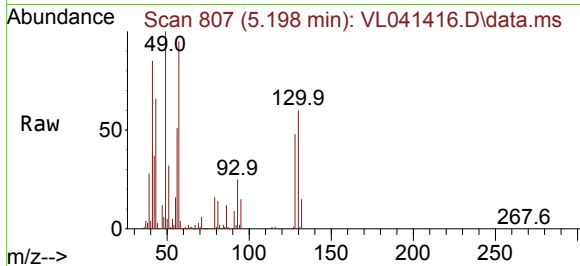




#26
Hexane
Concen: 2.129 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

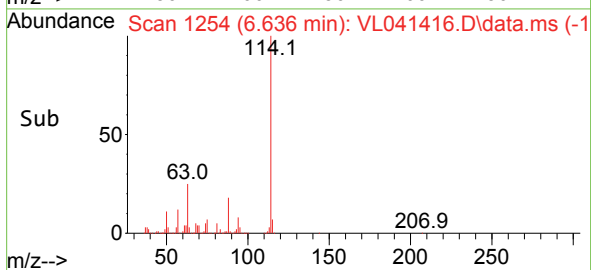
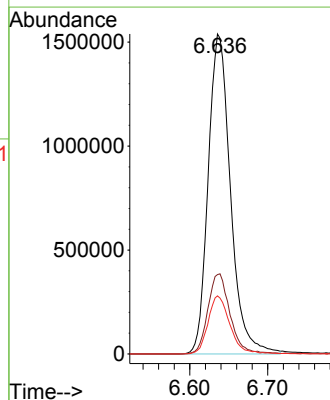
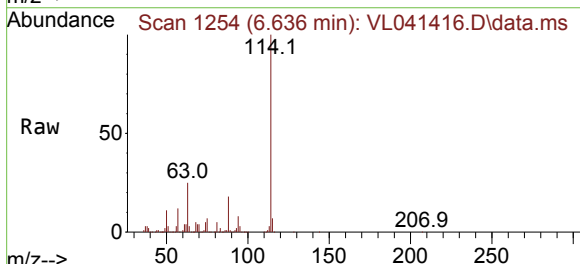
Instrument :
MSVOA_L
ClientSampleId :
2DL

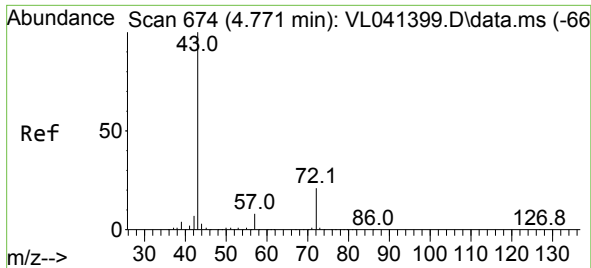
Tgt Ion: 57 Resp: 227901
Ion Ratio Lower Upper
57 100
41 97.8 74.0 111.0
43 76.7 193.6 290.4#
56 58.2 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.636 min Scan# 1254
Delta R.T. -0.010 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion:114 Resp: 3061150
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.0 14.3 21.5

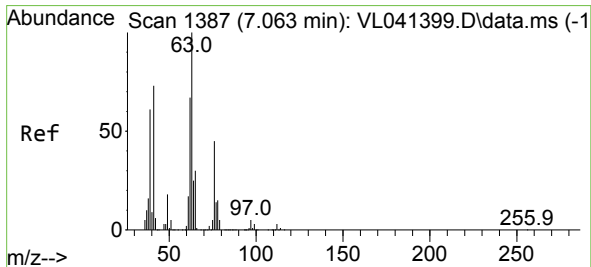
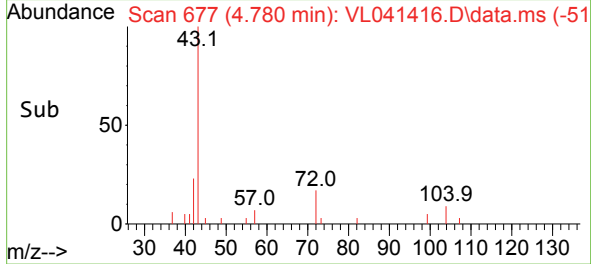
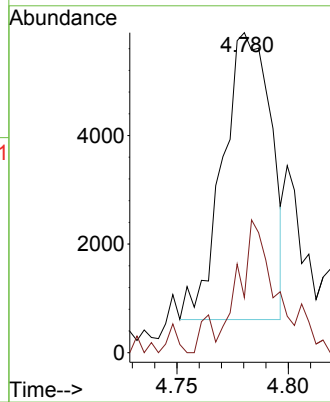
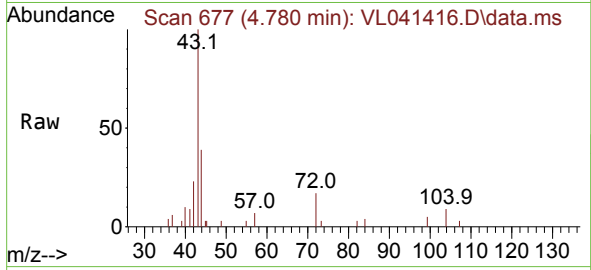




#34
2-Butanone
Concen: 0.054 ppbv
RT: 4.780 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

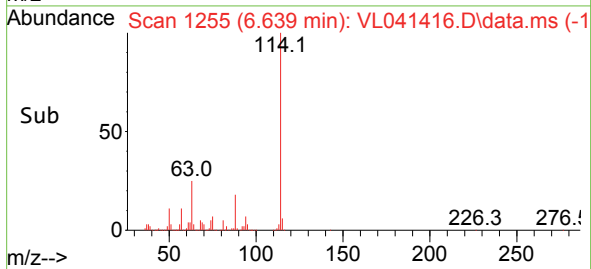
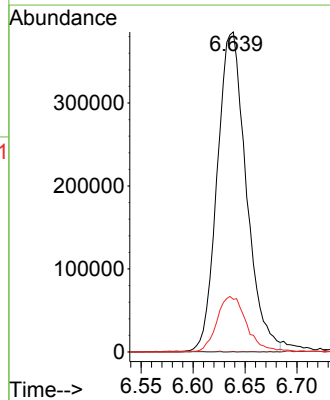
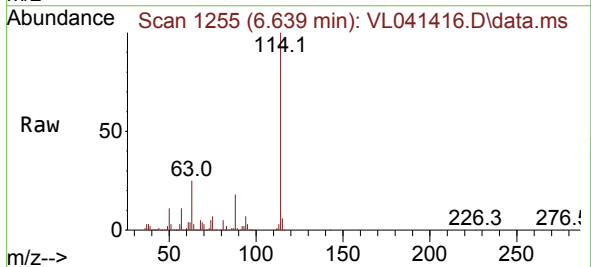
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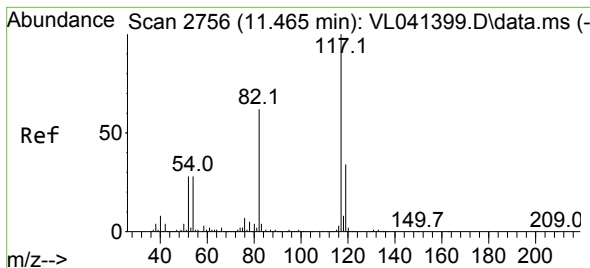
Tgt Ion: 43 Resp: 7962
Ion Ratio Lower Upper
43 100
72 45.7 17.3 25.9#



#39
1,2-Dichloropropane
Concen: 8.747 ppbv
RT: 6.639 min Scan# 1255
Delta R.T. -0.424 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion: 63 Resp: 749046
Ion Ratio Lower Upper
63 100
41 0.1 58.3 87.5#
62 16.5 53.9 80.9#

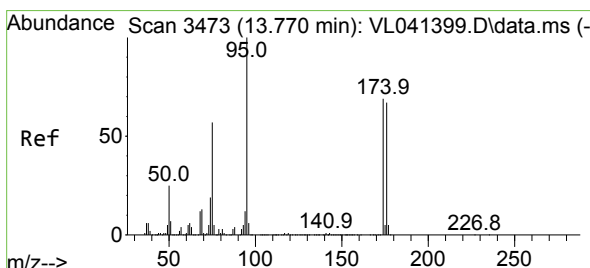
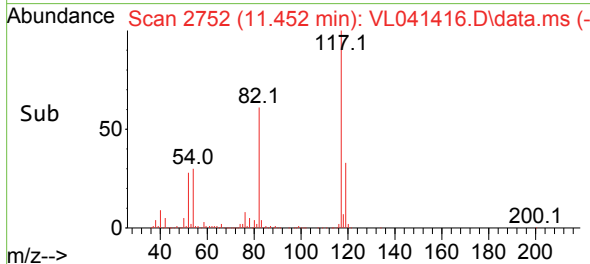
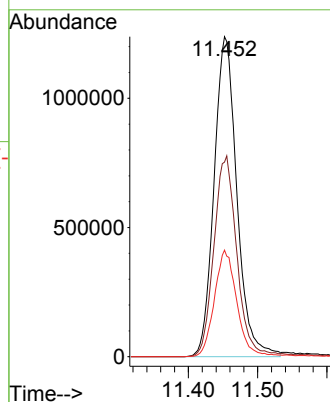
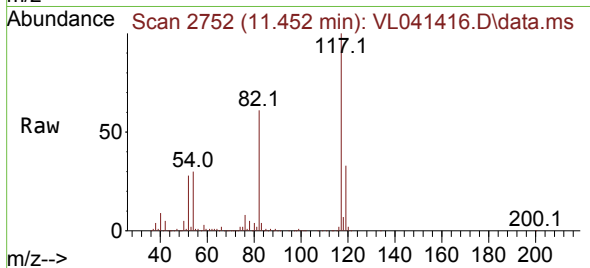




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Instrument :
MSVOA_L
ClientSampleId :
2DL

Tgt Ion:117 Resp: 2834529
Ion Ratio Lower Upper
117 100
82 64.4 51.0 76.6
119 33.4 45.2 67.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.969 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.006 min
Lab File: VL041416.D
Acq: 26 Jul 2024 11:25

Tgt Ion: 95 Resp: 2174594
Ion Ratio Lower Upper
95 100
174 72.0 56.3 84.5
175 5.2 4.0 6.0

