

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042774.D
 Acq On : 29 Jul 2025 09:16
 Operator : SY/MD
 Sample : VL0724ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0729ABL01

Quant Time: Jul 30 01:06:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

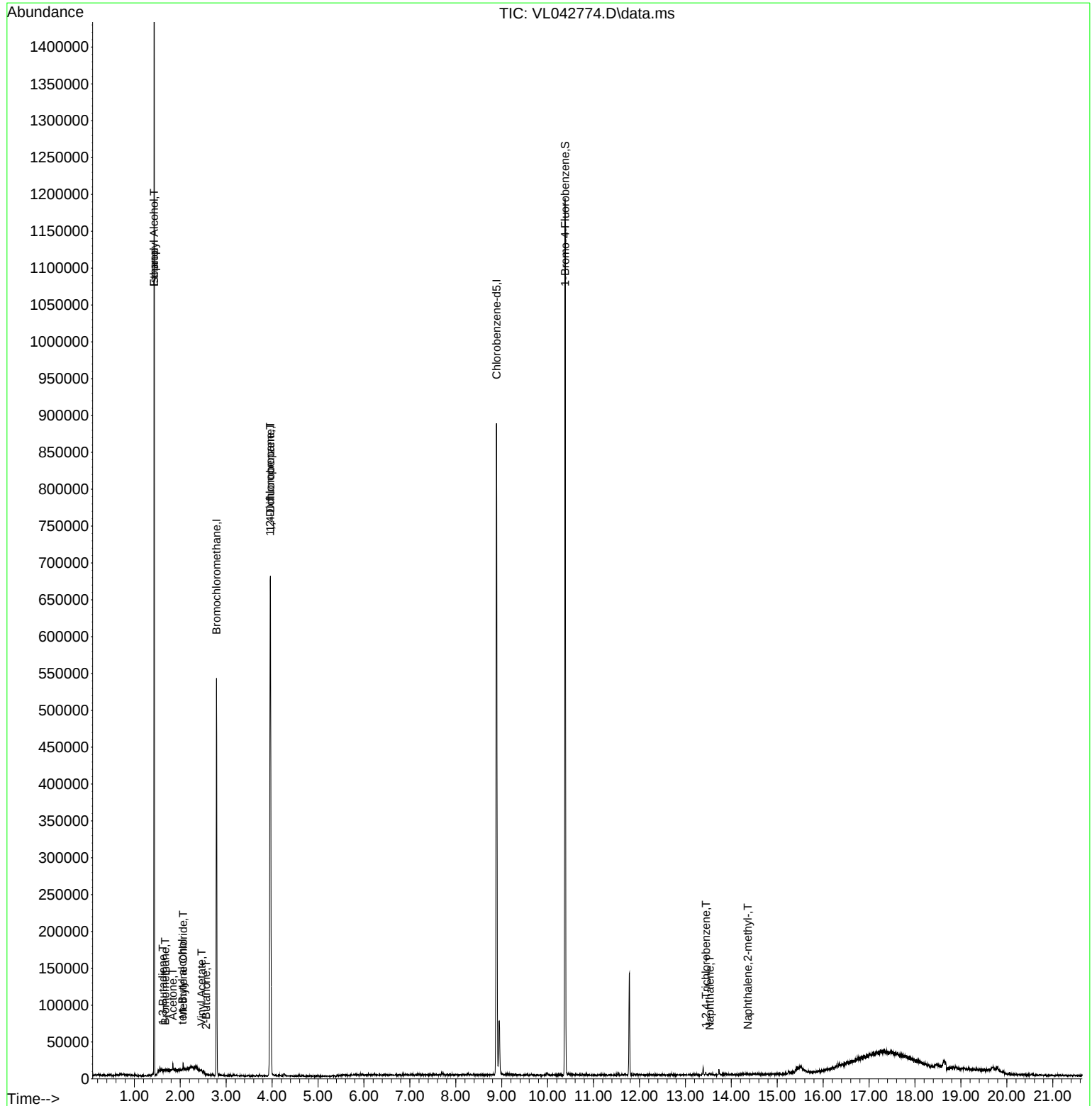
Internal Standards						
1) Bromochloromethane	2.790	49	145155	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	404421	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	360190	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	281407	9.865	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%
Target Compounds						
					Qvalue	
6) Bromomethane	1.674	94	67	0.023	ppbv #	1
13) Ethanol	1.431	45	24120	35.305	ppbv	90
15) Acetone	1.835	43	4473	0.223	ppbv #	80
16) 1,3-Butadiene	1.622	39	280	0.033	ppbv #	1
17) tert-Butyl alcohol	2.049	59	679	0.038	ppbv #	94
19) Isopropyl Alcohol	1.431	45	24120	2.264	ppbv #	37
20) Methylene Chloride	2.065	84	1652	0.262	ppbv #	79
23) Vinyl Acetate	2.463	43	541	0.022	ppbv #	21
34) 2-Butanone	2.561	43	760	0.027	ppbv #	66
39) 1,2-Dichloropropane	3.959	63	103991	7.350	ppbv #	21
79) Naphthalene	13.533	128	78	0.437	ppbv #	69
80) Naphthalene,2-methyl-	14.361	142	28	1.129	ppbv	96
81) 1,2,4-Trichlorobenzene	13.449	180	285	0.444	ppbv #	1

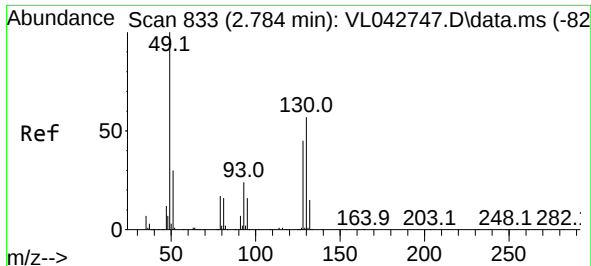
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042774.D
Acq On : 29 Jul 2025 09:16
Operator : SY/MD
Sample : VL0724ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

Quant Time: Jul 30 01:06:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

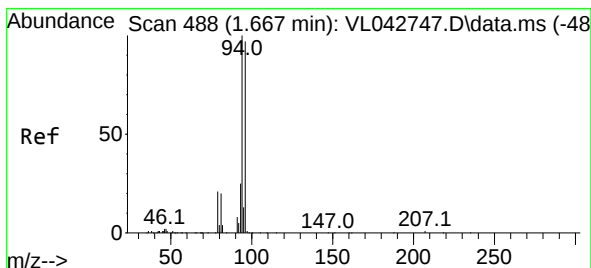
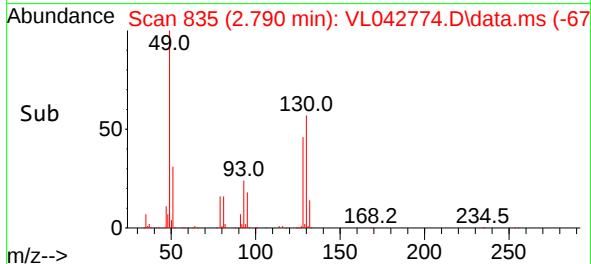
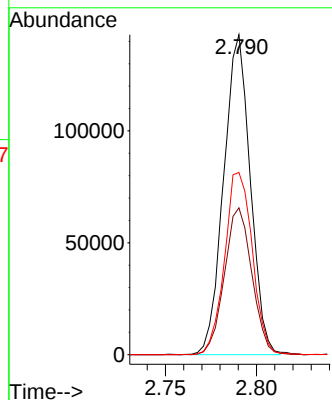
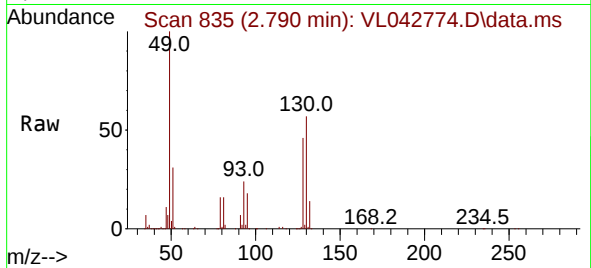




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

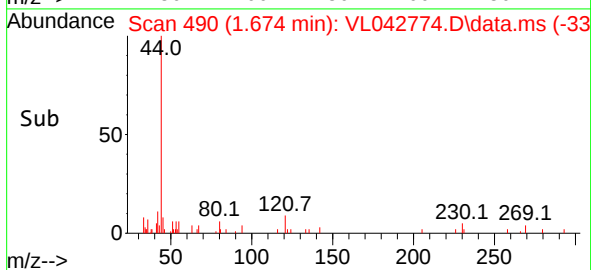
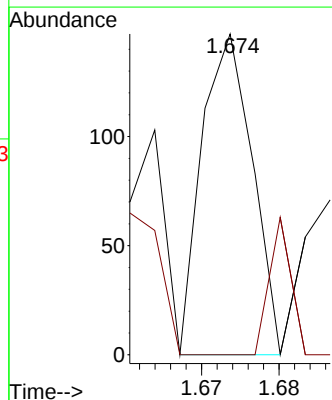
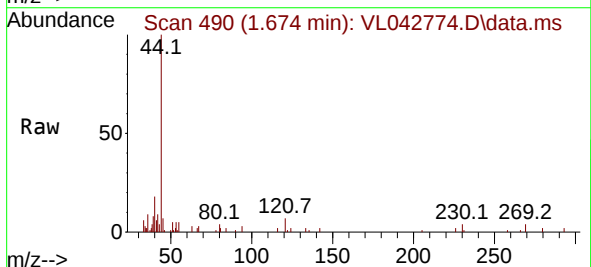
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

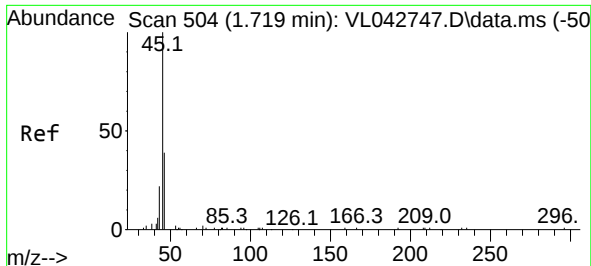
Tgt Ion: 49 Resp: 145155
Ion Ratio Lower Upper
49 100
128 47.4 23.6 71.0
130 59.6 30.3 90.8



#6
Bromomethane
Concen: 0.023 ppbv
RT: 1.674 min Scan# 490
Delta R.T. 0.007 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 94 Resp: 67
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

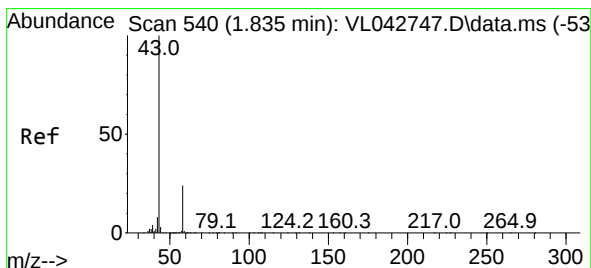
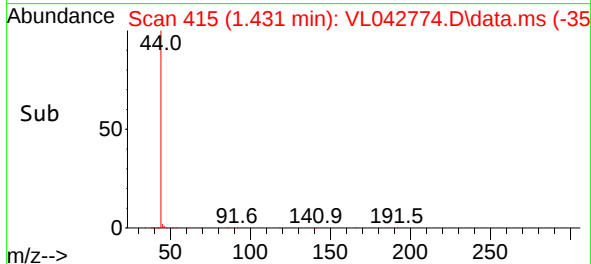
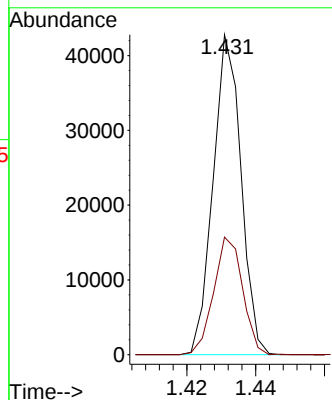
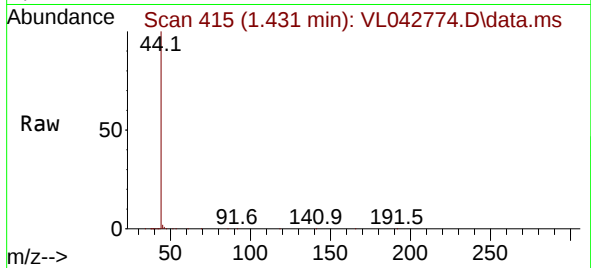




#13
Ethanol
Concen: 35.305 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.288 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

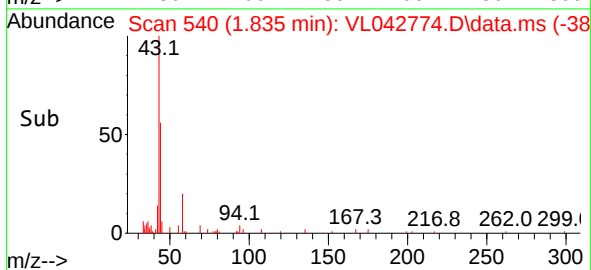
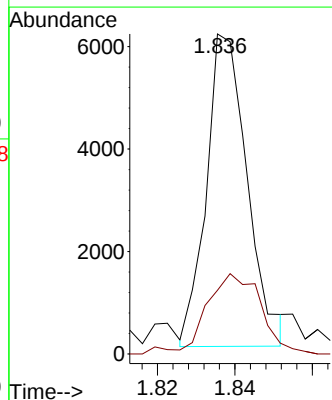
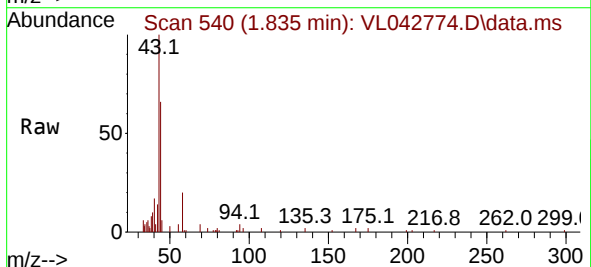
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

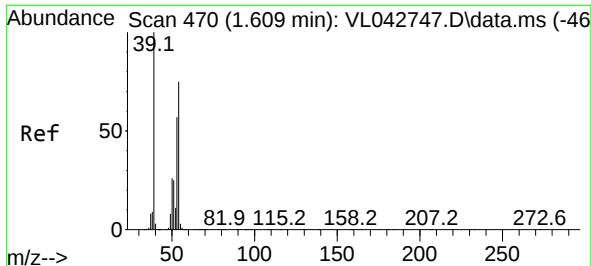
Tgt Ion: 45 Resp: 24120
Ion Ratio Lower Upper
45 100
46 38.1 17.8 71.4



#15
Acetone
Concen: 0.223 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 43 Resp: 4473
Ion Ratio Lower Upper
43 100
58 34.7 19.8 29.8#

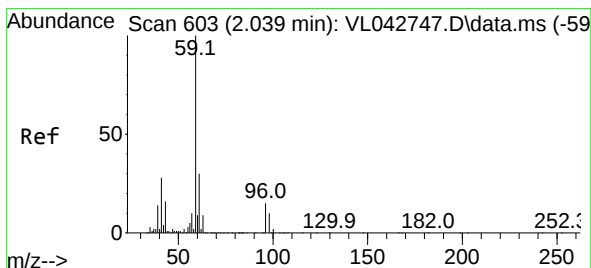
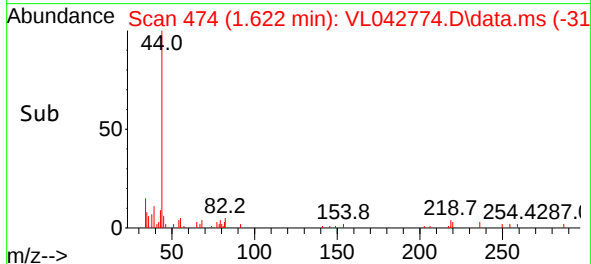
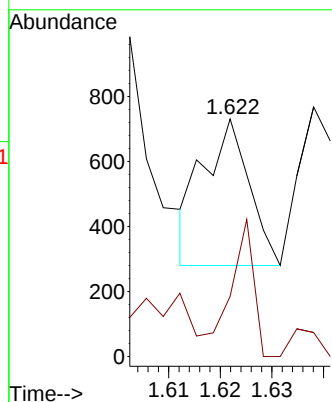
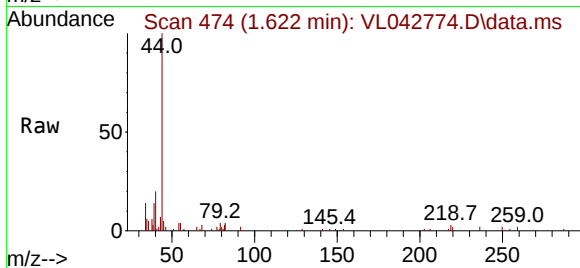




#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 1.622 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

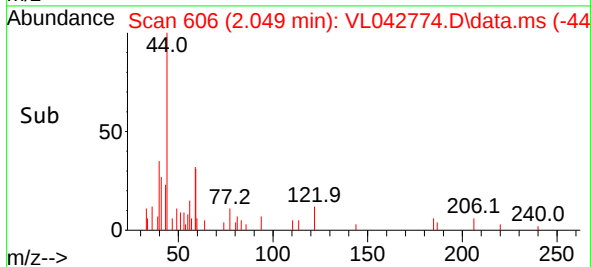
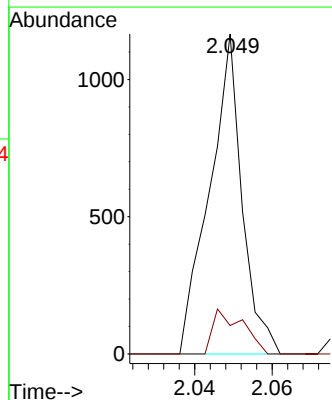
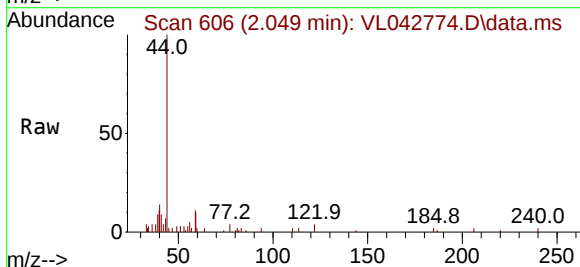
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

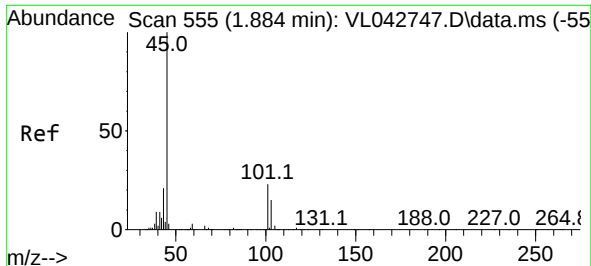
Tgt Ion: 39 Resp: 280
Ion Ratio Lower Upper
39 100
54 237.1 54.5 81.7#



#17
tert-Butyl alcohol
Concen: 0.038 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 59 Resp: 679
Ion Ratio Lower Upper
59 100
57 12.8 8.3 12.5#

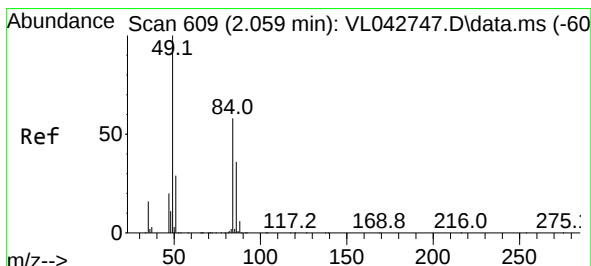
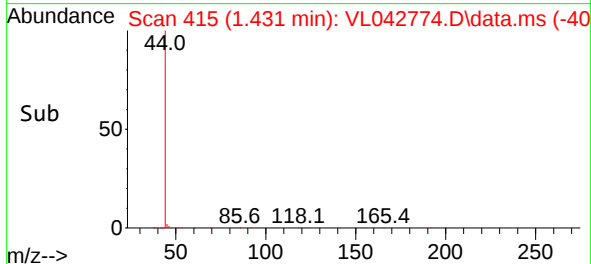
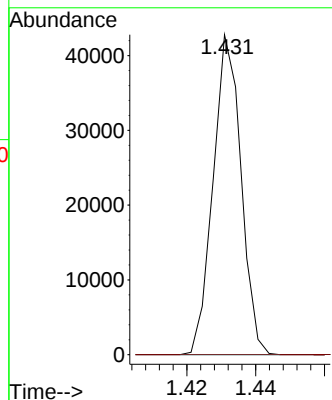
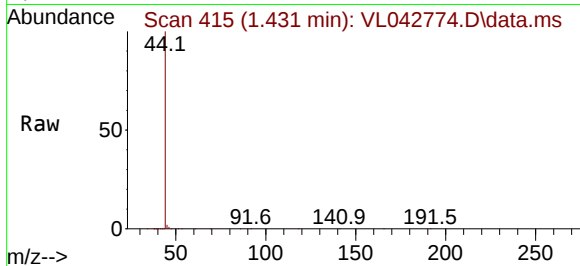




#19
Isopropyl Alcohol
Concen: 2.264 ppbv
RT: 1.431 min Scan# 415
Delta R.T. -0.453 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

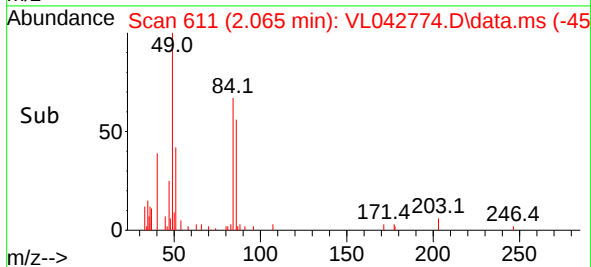
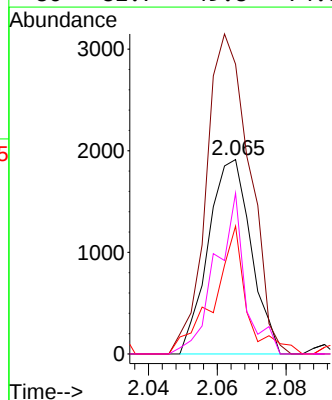
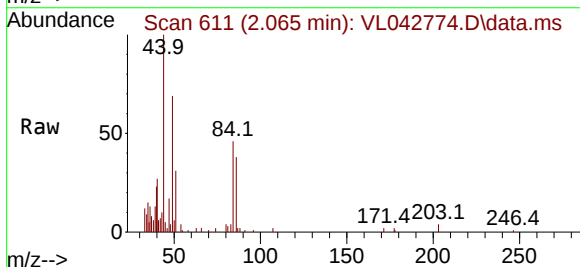
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

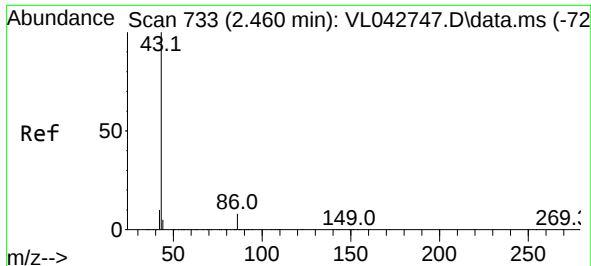
Tgt Ion: 45 Resp: 24120
Ion Ratio Lower Upper
45 100
58 0.0 30.0 45.0#



#20
Methylene Chloride
Concen: 0.262 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 84 Resp: 1652
Ion Ratio Lower Upper
84 100
49 144.5 138.6 208.0
51 60.4 40.6 61.0
86 82.7 49.8 74.8#

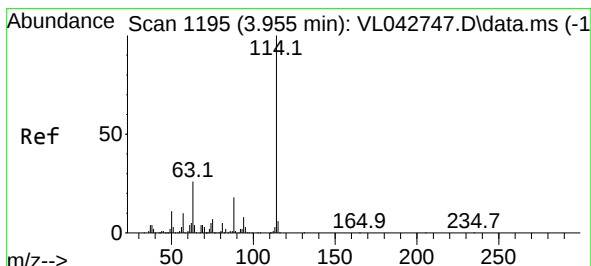
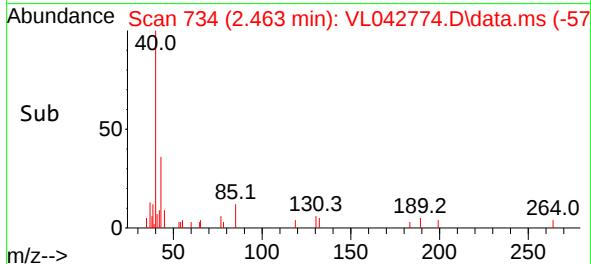
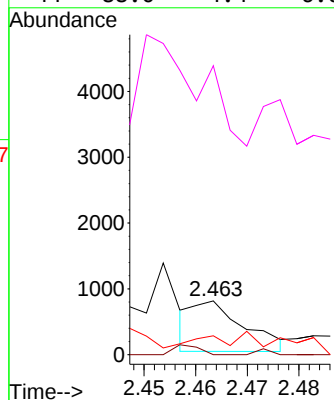
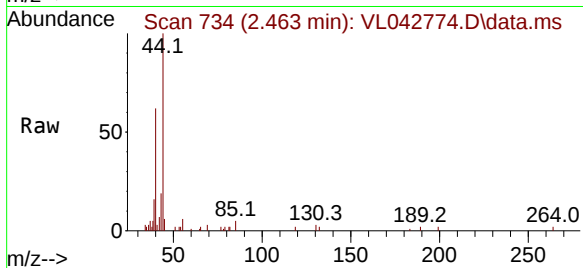




#23
 Vinyl Acetate
 Concen: 0.022 ppbv
 RT: 2.463 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL042774.D
 Acq: 29 Jul 2025 09:16

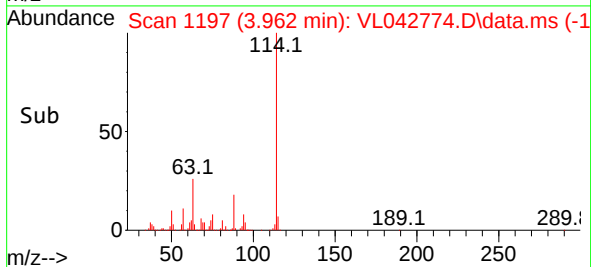
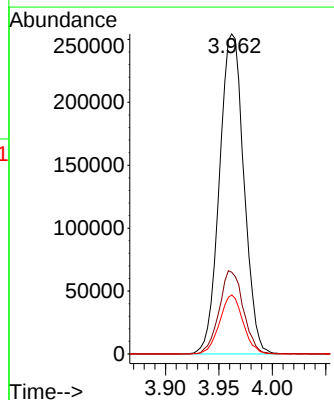
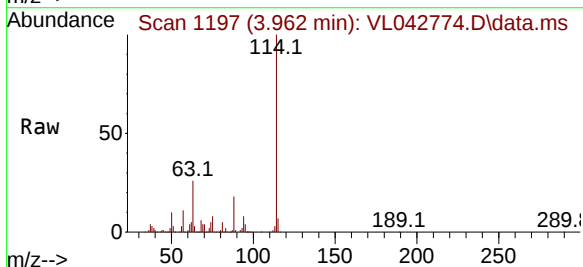
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0729ABL01

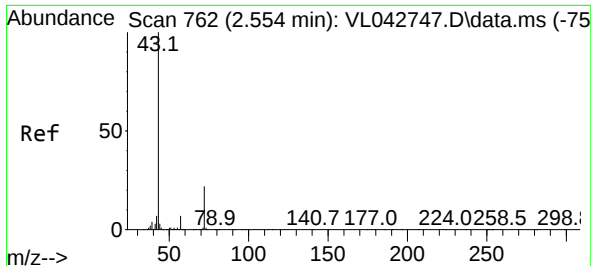
Tgt Ion:	43	Resp:	541
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.1	9.1#
42	20.7	7.8	11.8#
44	88.0	4.4	6.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.007 min
 Lab File: VL042774.D
 Acq: 29 Jul 2025 09:16

Tgt Ion:	114	Resp:	404421
Ion	Ratio	Lower	Upper
114	100		
63	25.8	20.5	30.7
88	17.7	14.0	21.0

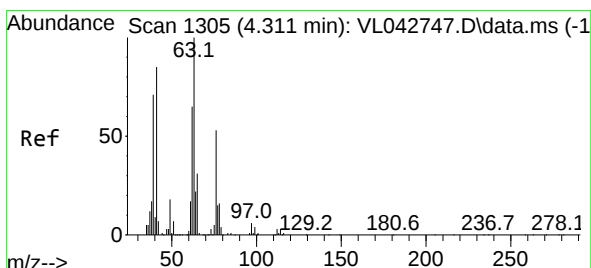
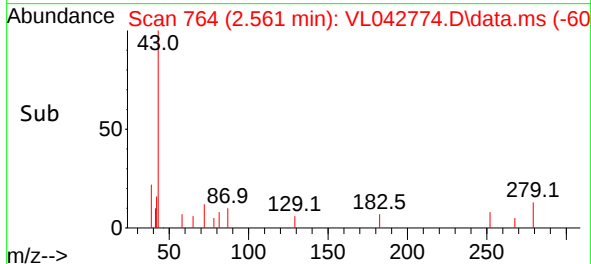
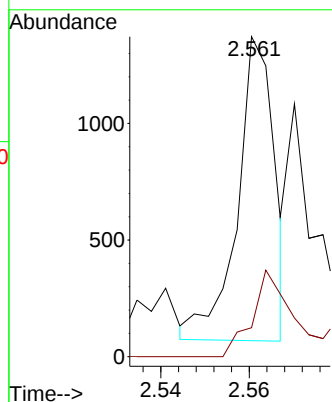
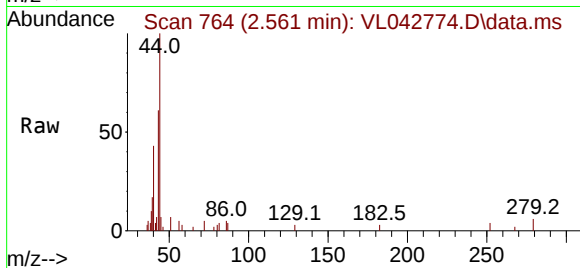




#34
2-Butanone
Concen: 0.027 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.007 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

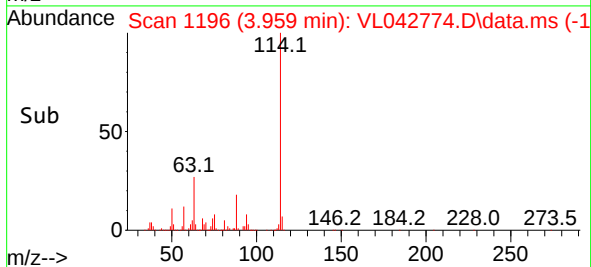
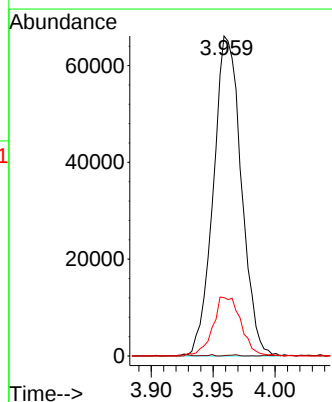
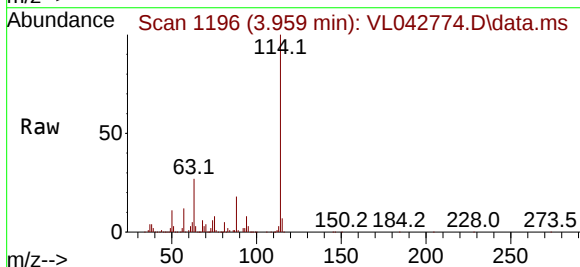
Instrument :
MSVOA_1
ClientSampleId :
VL0729ABL01

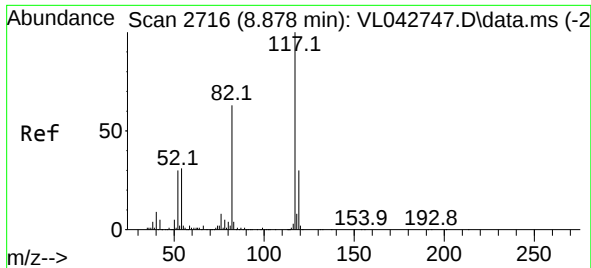
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
72 37.9 17.4 26.0#



#39
1,2-Dichloropropane
Concen: 7.350 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.353 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 63 Resp: 103991
Ion Ratio Lower Upper
63 100
41 0.0 68.2 102.4#
62 18.3 52.0 78.0#

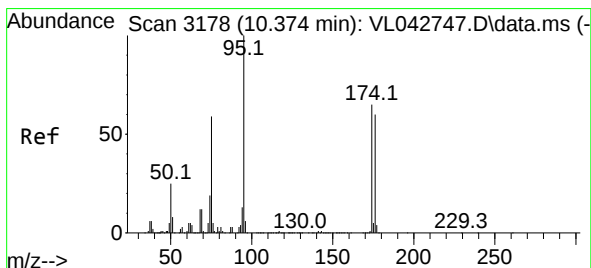
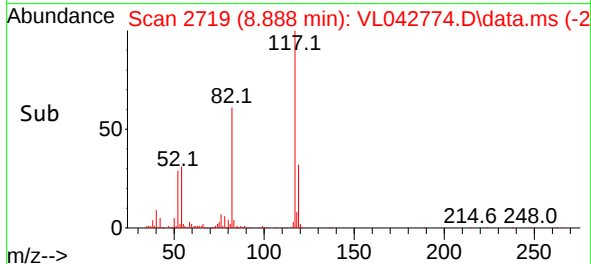
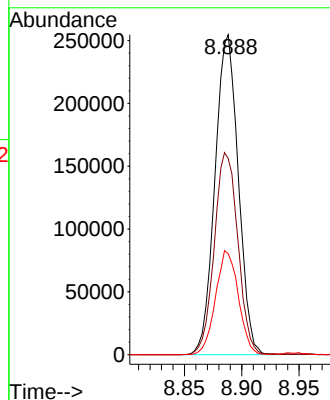
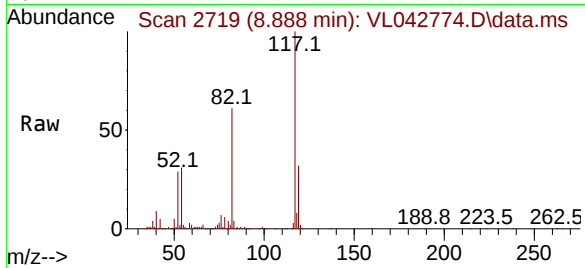




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

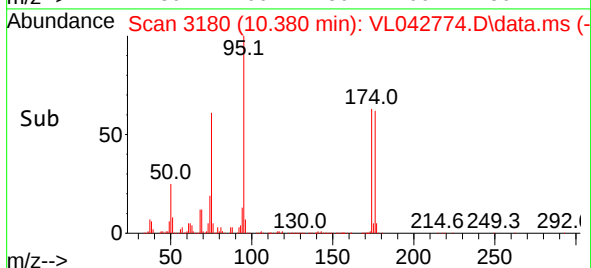
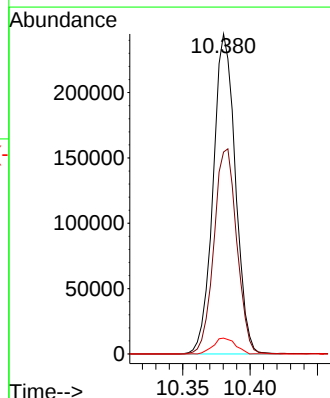
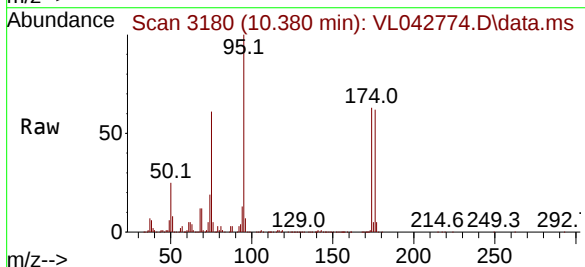
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

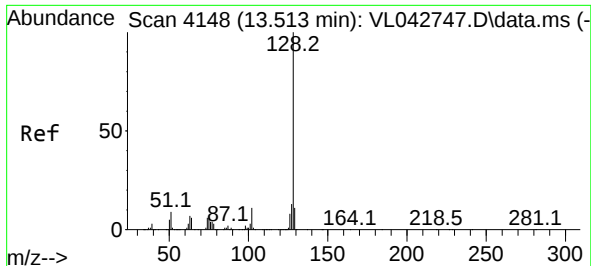
Tgt Ion:117 Resp: 360190
Ion Ratio Lower Upper
117 100
82 63.9 53.3 79.9
119 31.9 25.8 38.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.865 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.007 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion: 95 Resp: 281407
Ion Ratio Lower Upper
95 100
174 66.0 53.8 80.6
175 5.0 4.0 6.0

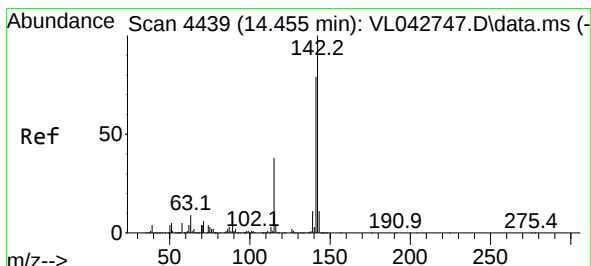
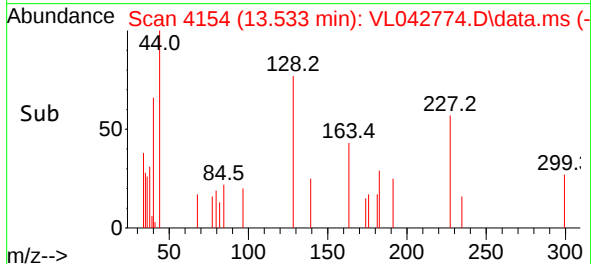
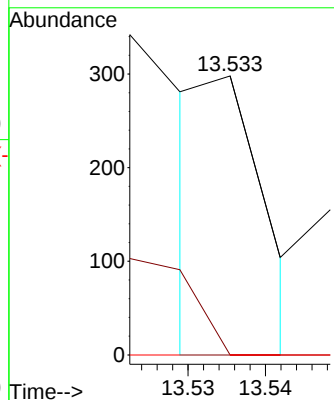
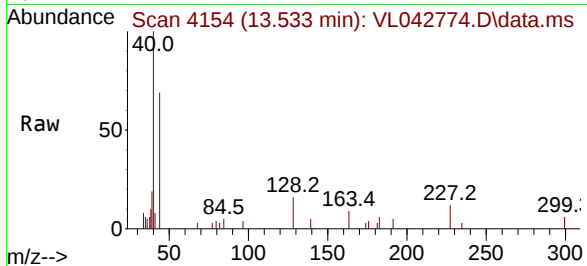




#79
Naphthalene
Concen: 0.437 ppbv
RT: 13.533 min Scan# 4148
Delta R.T. 0.019 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

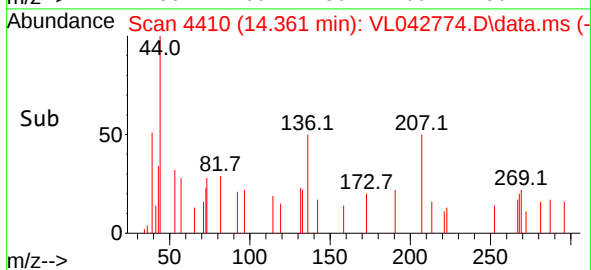
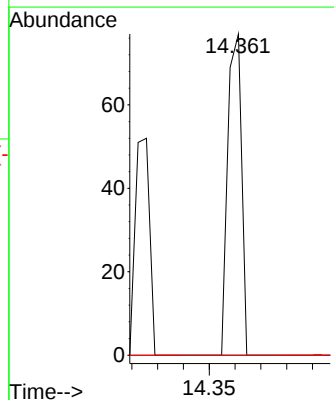
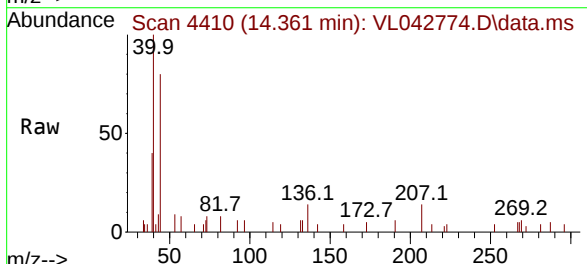
Instrument :
MSVOA_L
ClientSampleId :
VL0729ABL01

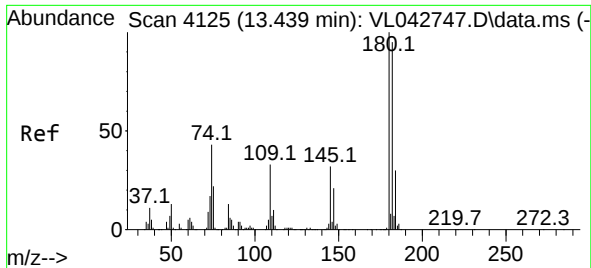
Tgt Ion:128 Resp: 78
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.6 13.0#



#80
Naphthalene,2-methyl-
Concen: 1.129 ppbv
RT: 14.361 min Scan# 4410
Delta R.T. -0.094 min
Lab File: VL042774.D
Acq: 29 Jul 2025 09:16

Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
141 85.7 65.8 98.8
115 35.7 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 0.444 ppbv

RT: 13.449 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042774.D

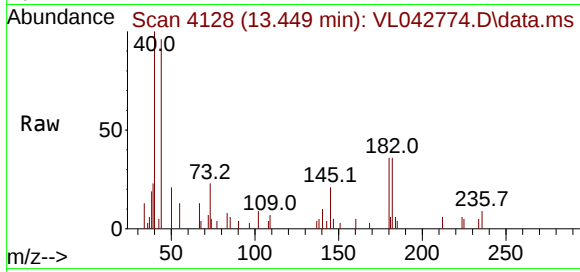
Acq: 29 Jul 2025 09:16

Instrument :

MSVOA_L

ClientSampleId :

VL0729ABL01



Tgt Ion:180 Resp: 285

Ion Ratio Lower Upper

180 100

182 219.6 76.2 114.2#

184 0.0 24.8 37.2#

