

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042046.D
 Acq On : 25 Feb 2025 11:34
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Feb 25 12:34:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 25 10:31:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	160156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	410900	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	353154	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	272906	9.368	ppbv	0.00
Spiked Amount	10.000	Range 65 - 135	Recovery	=	93.700%	

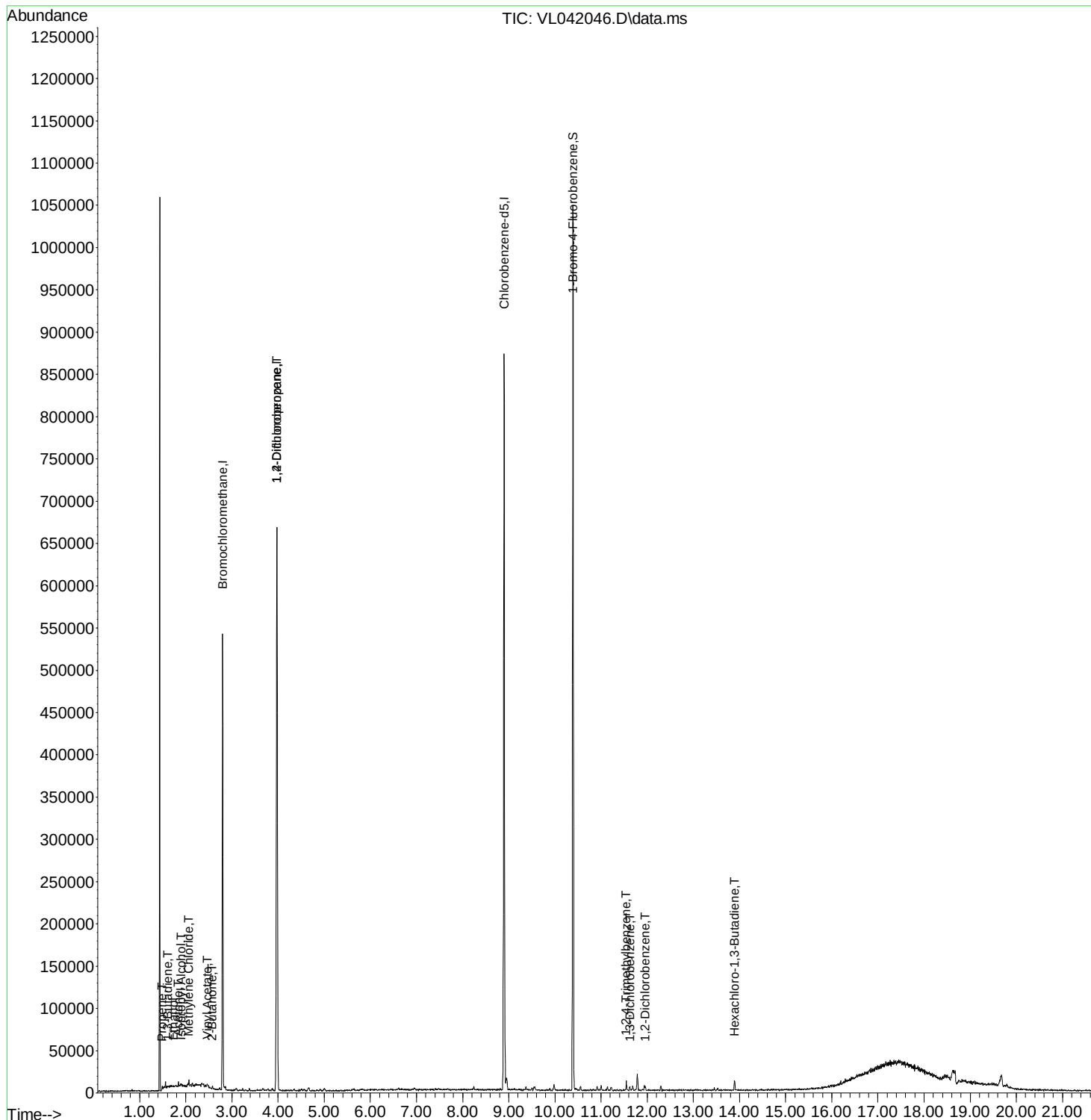
Target Compounds						Qvalue
9) Propene	1.489	41	666	0.051	ppbv #	73
13) Ethanol	1.732	45	132	0.089	ppbv #	1
15) Acetone	1.842	43	2306	0.087	ppbv #	83
16) 1,3-Butadiene	1.612	39	451	0.036	ppbv #	77
19) Isopropyl Alcohol	1.894	45	725	0.049	ppbv #	32
20) Methylene Chloride	2.065	84	531	0.053	ppbv #	81
23) Vinyl Acetate	2.463	43	1056	0.074	ppbv #	1
34) 2-Butanone	2.577	43	1626	0.046	ppbv	93
39) 1,2-Dichloropropane	3.975	63	107084	5.868	ppbv #	23
74) 1,2,4-Trimethylbenzene	11.545	105	2008	0.030	ppbv #	90
75) 1,3-Dichlorobenzene	11.623	146	1244	0.035	ppbv	91
77) 1,2-Dichlorobenzene	11.960	146	1261	0.037	ppbv	98
78) Hexachloro-1,3-Butadiene	13.895	225	1218	0.043	ppbv #	91

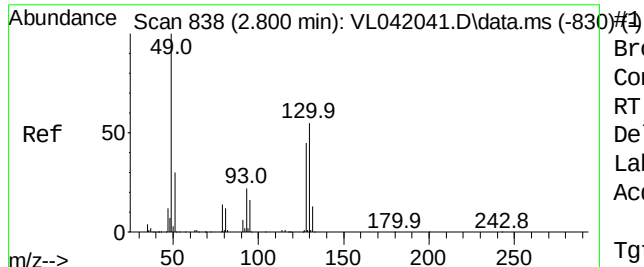
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 25 12:34:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Feb 25 10:31:48 2025
Response via : Initial Calibration

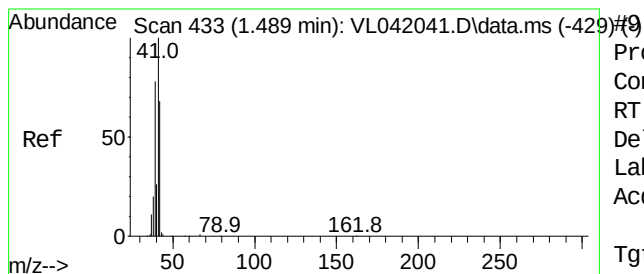
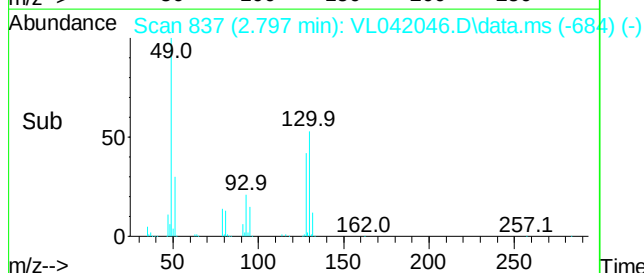
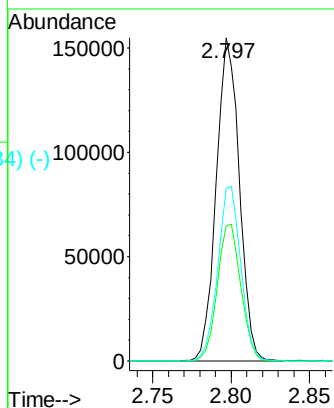
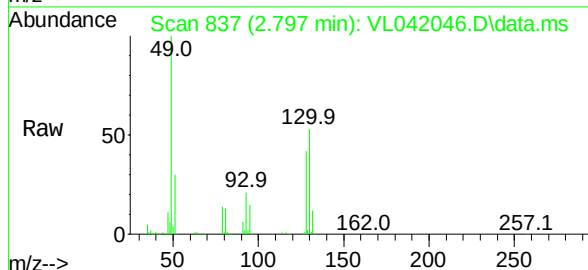




Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan#
 Delta R.T. -0.003 min
 Lab File: VL042046.D
 Acq: 25 Feb 2025 11:34

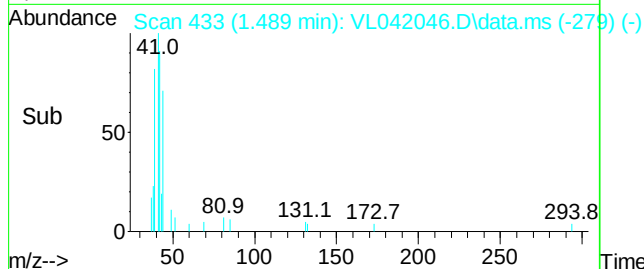
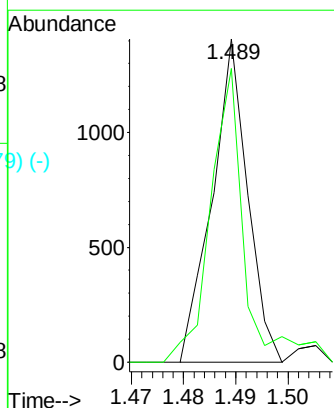
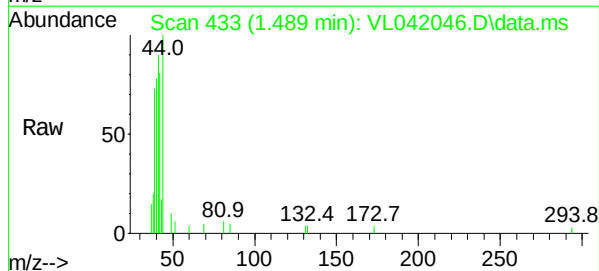
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.03

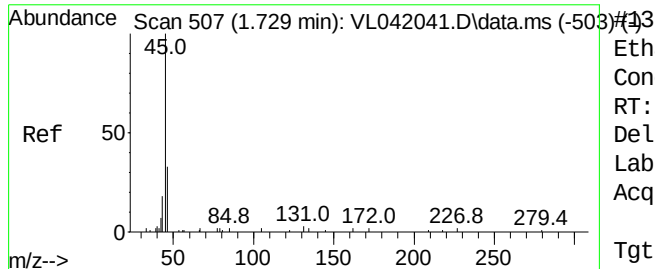
Tgt Ion: 49 Resp: 160156
 Ion Ratio Lower Upper
 49 100
 128 43.1 21.6 64.8
 130 53.9 27.8 83.4



Propene
 Concen: 0.051 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. -0.000 min
 Lab File: VL042046.D
 Acq: 25 Feb 2025 11:34

Tgt Ion: 41 Resp: 666
 Ion Ratio Lower Upper
 41 100
 42 91.6 55.8 83.6#

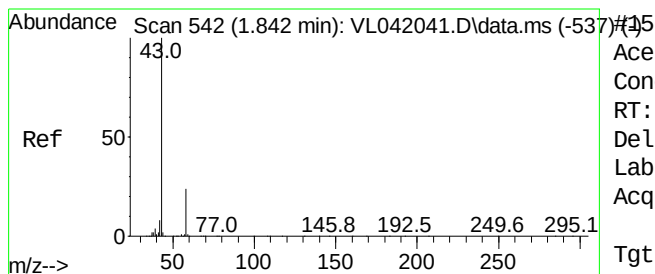
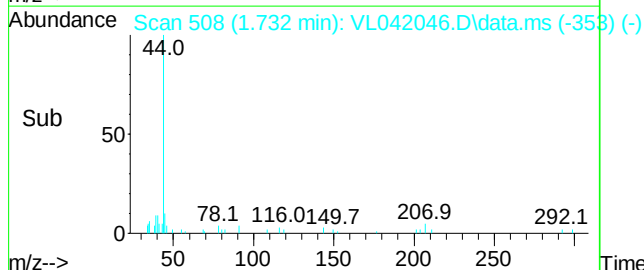
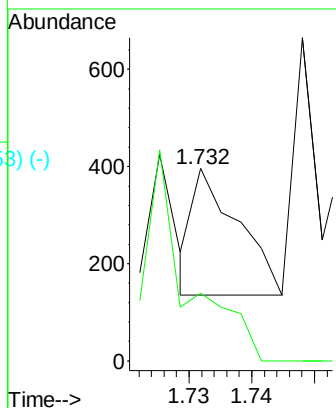
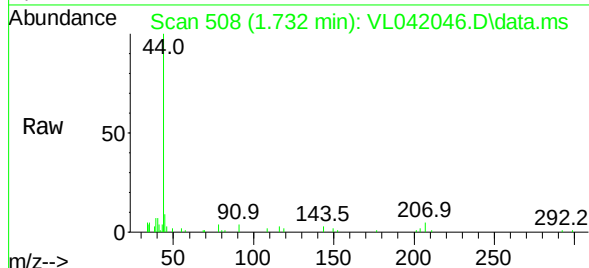




Ethanol
Concen: 0.089 ppbv
RT: 1.732 min Scan# 507
Delta R.T. 0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

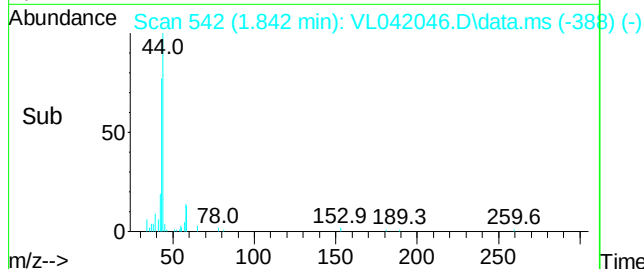
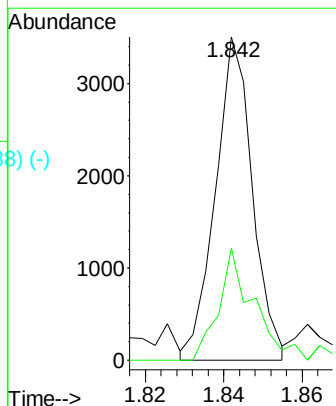
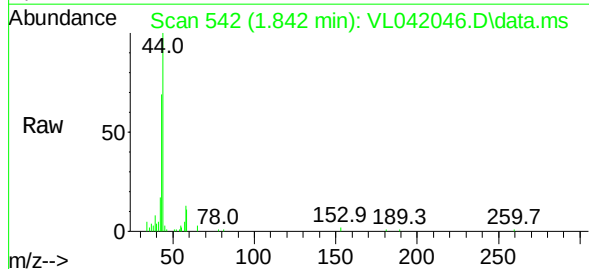
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

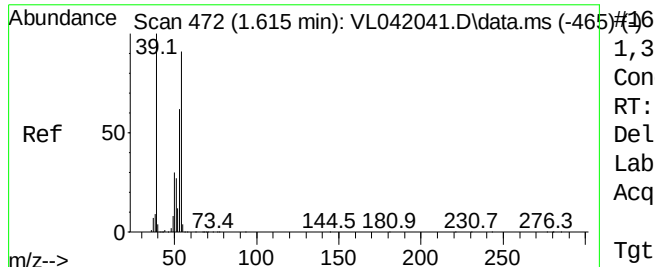
Tgt Ion: 45 Resp: 132
Ion Ratio Lower Upper
45 100
46 236.4 17.1 68.3#



Acetone
Concen: 0.087 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
58 34.6 20.7 31.1#

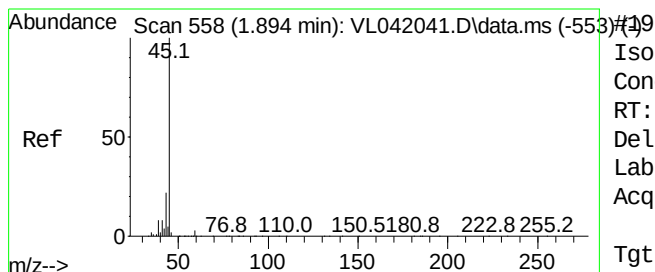
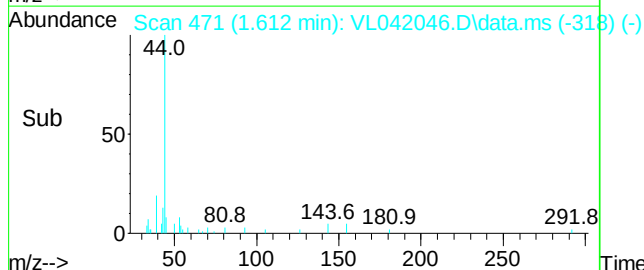
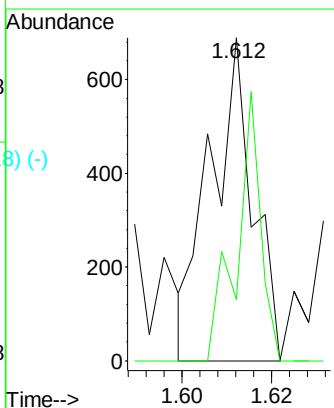
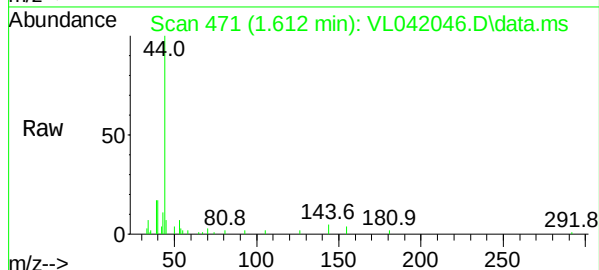




1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.612 min Scan#
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

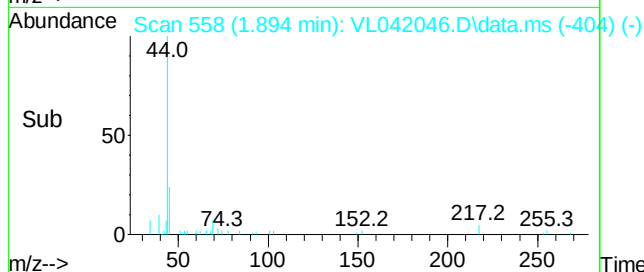
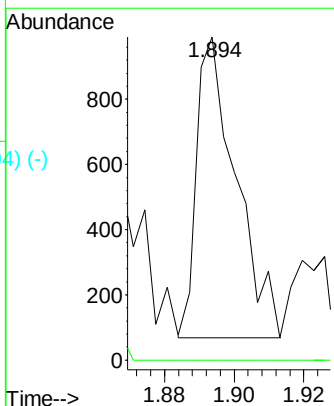
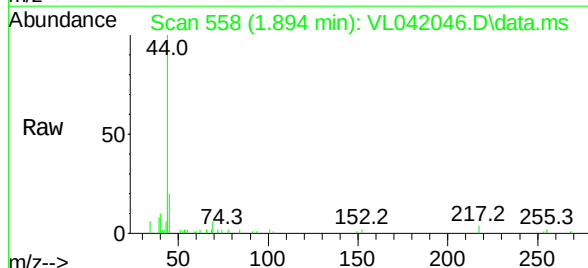
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

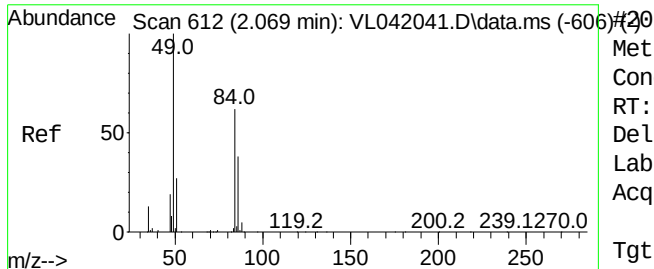
Tgt Ion: 39 Resp: 451
Ion Ratio Lower Upper
39 100
54 55.0 59.6 89.4#



Isopropyl Alcohol
Concen: 0.049 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion: 45 Resp: 725
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

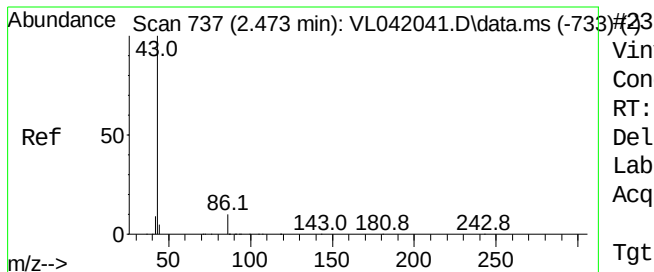
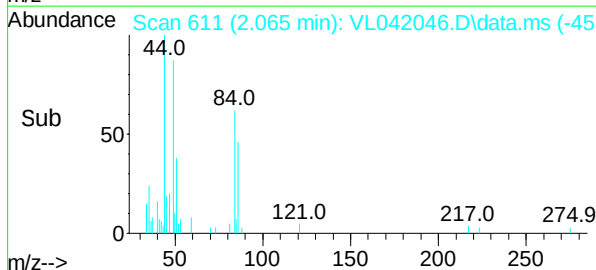
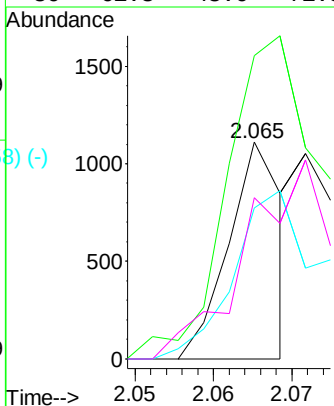
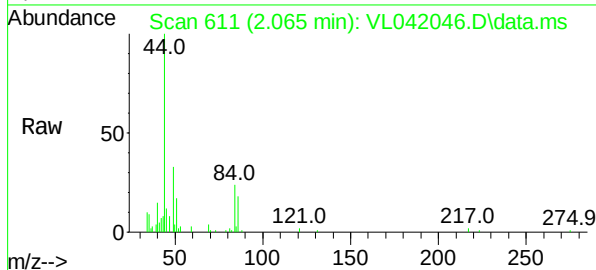




Methylene Chloride
 Concen: 0.053 ppbv
 RT: 2.065 min Scan#
 Delta R.T. -0.003 min
 Lab File: VL042046.D
 Acq: 25 Feb 2025 11:34

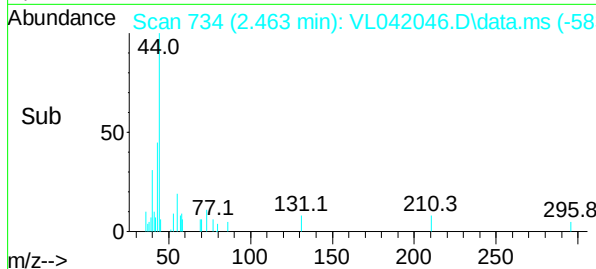
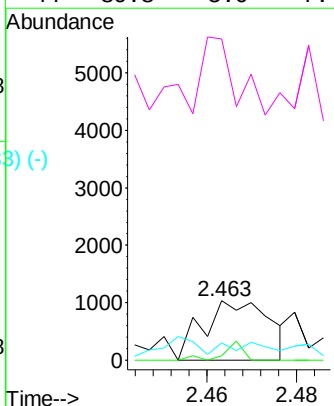
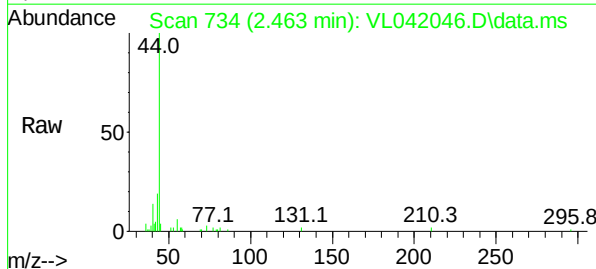
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion:	84	Resp:	531
Ion	Ratio	Lower	Upper
84	100		
49	131.5	130.0	195.0
51	64.8	37.4	56.0#
86	62.3	48.6	72.8



Vinyl Acetate
 Concen: 0.074 ppbv
 RT: 2.463 min Scan# 734
 Delta R.T. -0.010 min
 Lab File: VL042046.D
 Acq: 25 Feb 2025 11:34

Tgt Ion:	43	Resp:	1056
Ion	Ratio	Lower	Upper
43	100		
86	7.3	7.0	10.4
42	112.8	7.6	11.4#
44	89.8	5.0	7.4#



Abundance Scan 1202 (3.978 min): VL042041.D\data.ms (-11853)

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan#

Delta R.T. -0.003 min

Lab File: VL042046.D

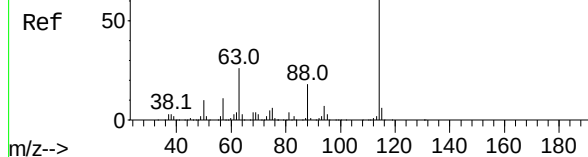
Acq: 25 Feb 2025 11:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.03



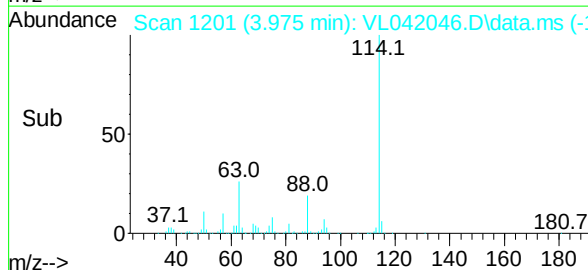
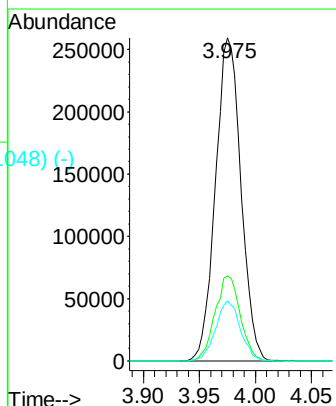
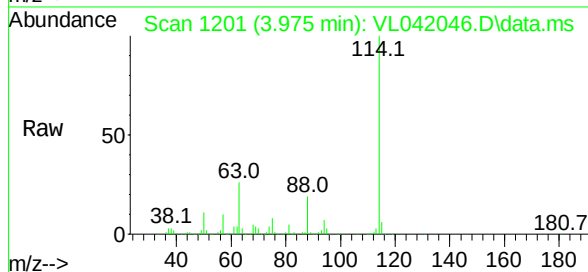
Tgt Ion:114 Resp: 410900

Ion Ratio Lower Upper

114 100

63 26.1 20.1 30.1

88 18.1 14.3 21.5



Abundance Scan 767 (2.570 min): VL042041.D\data.ms (-761) #34

2-Butanone

Concen: 0.046 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.006 min

Lab File: VL042046.D

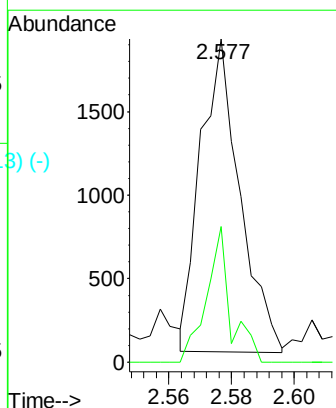
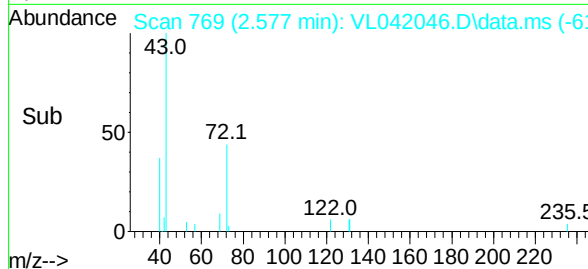
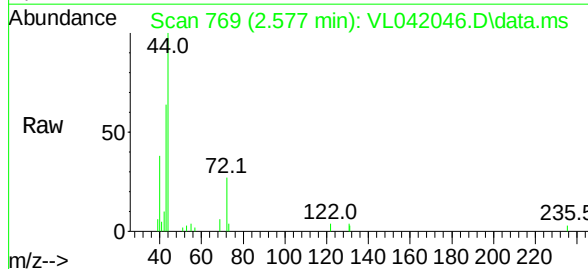
Acq: 25 Feb 2025 11:34

Tgt Ion: 43 Resp: 1626

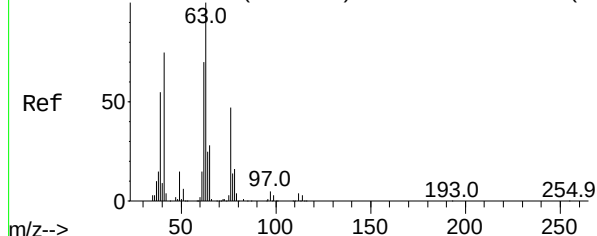
Ion Ratio Lower Upper

43 100

72 26.4 18.5 27.7



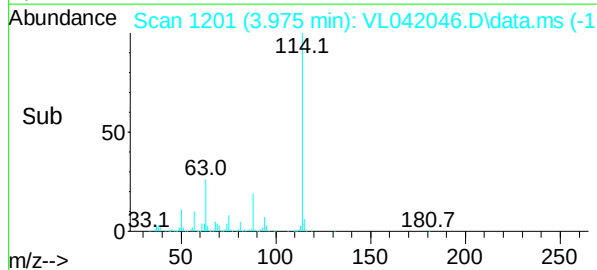
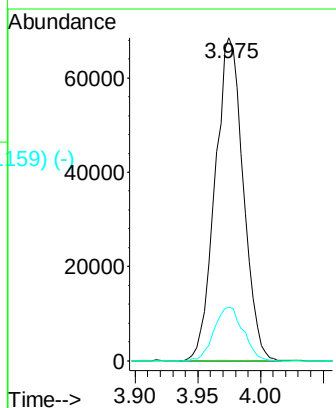
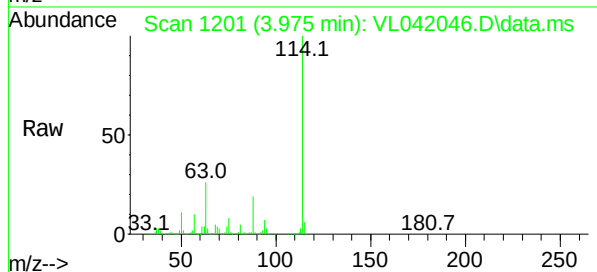
Abundance Scan 1313 (4.337 min): VL042041.D\data.ms (-12959)



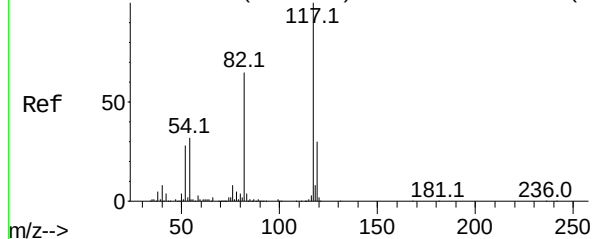
1,2-Dichloropropane
Concen: 5.868 ppbv
RT: 3.975 min Scan#
Delta R.T. -0.363 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

Tgt Ion:	63	Resp:	107084
Ion	Ratio	Lower	Upper
63	100		
41	0.2	60.1	90.1#
62	16.7	55.8	83.8#

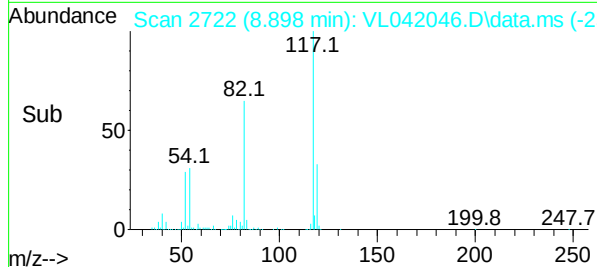
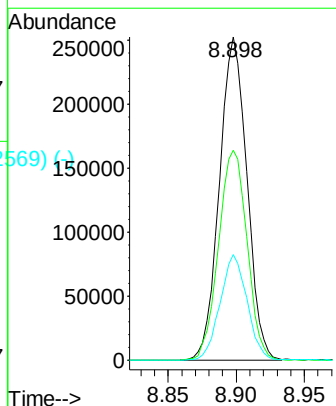
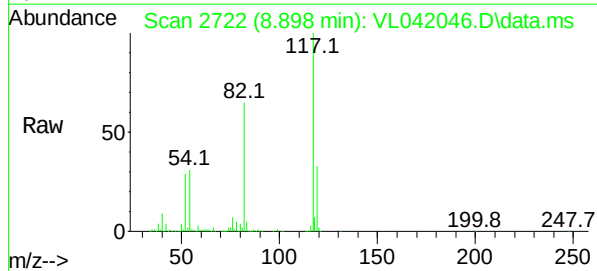


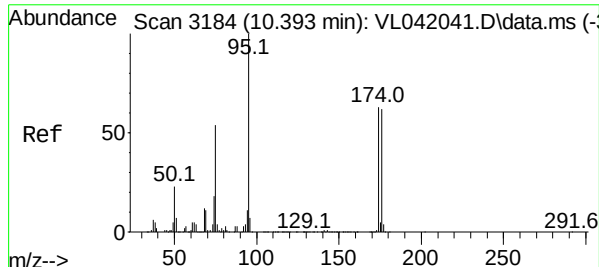
Abundance Scan 2723 (8.901 min): VL042041.D\data.ms (-27105)



Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:	117	Resp:	353154
Ion	Ratio	Lower	Upper
117	100		
82	67.3	55.0	82.6
119	32.2	25.9	38.9

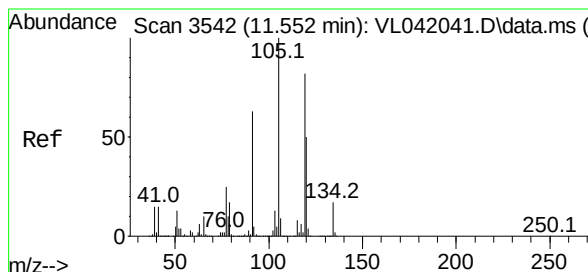
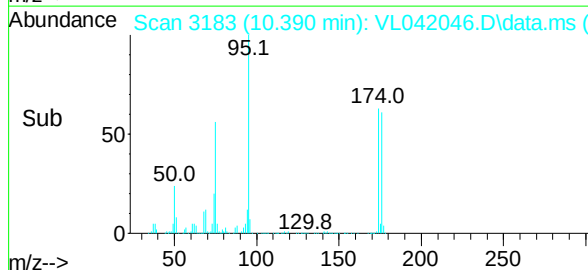
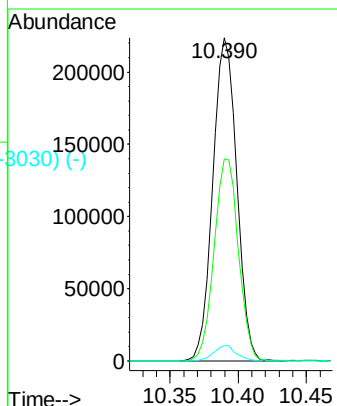
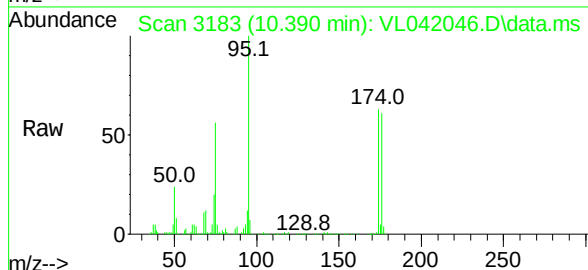




1-Bromo-4-Fluorobenzene
Concen: 9.368 ppbv
RT: 10.390 min Scan# 3184
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

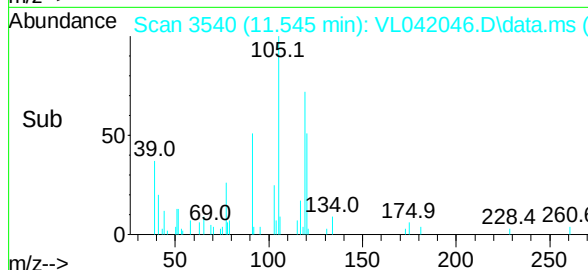
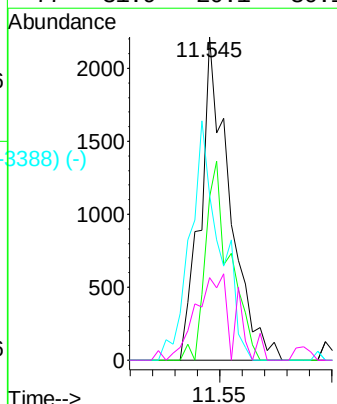
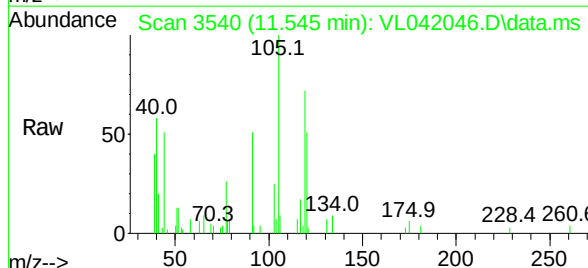
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

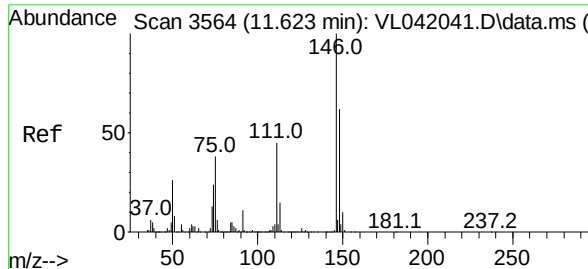
Tgt Ion:	95	Resp:	272906
Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.8	77.6
175	4.5	3.9	5.9



1,2,4-Trimethylbenzene
Concen: 0.030 ppbv
RT: 11.545 min Scan# 3540
Delta R.T. -0.007 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:	105	Resp:	2008
Ion	Ratio	Lower	Upper
105	100		
120	50.5	40.2	60.2
91	51.0	51.4	77.2#
77	31.9	20.1	30.1#

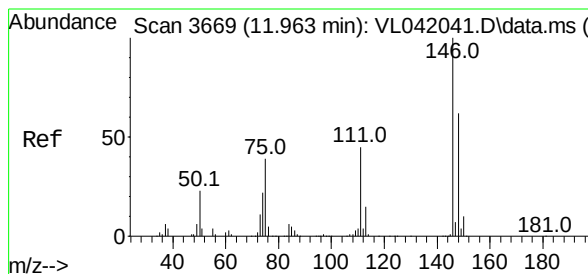
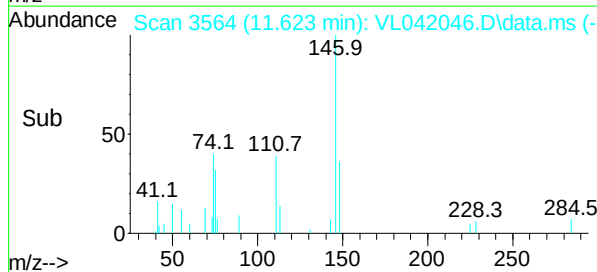
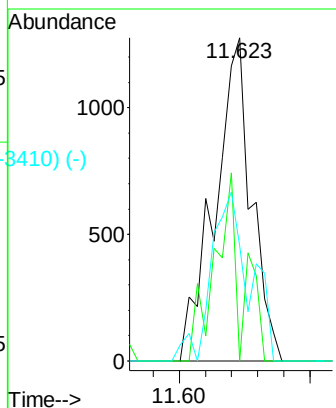
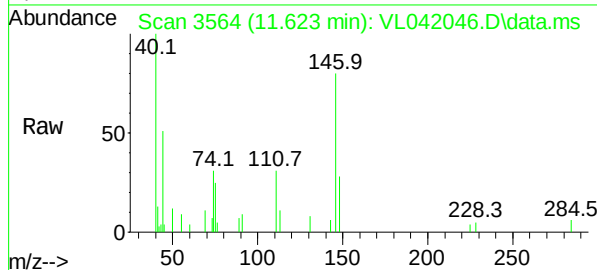




1,3-Dichlorobenzene
Concen: 0.035 ppbv
RT: 11.623 min Scan#
Delta R.T. -0.000 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

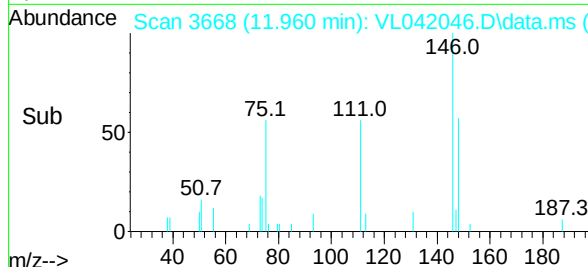
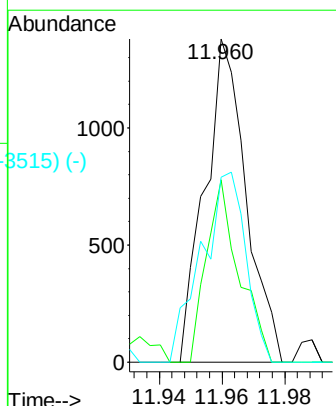
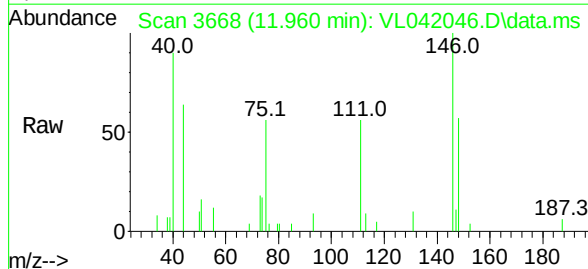
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.03

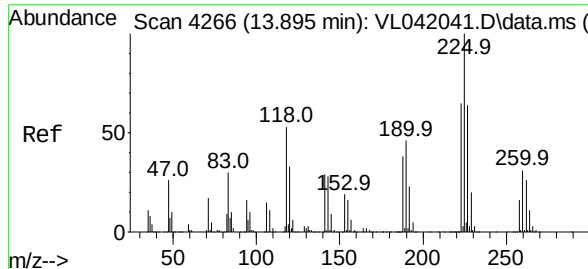
Tgt Ion:	146	Resp:	1244
Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.4	67.2
148	54.5	32.3	96.8



1,2-Dichlorobenzene
Concen: 0.037 ppbv
RT: 11.960 min Scan# 3668
Delta R.T. -0.003 min
Lab File: VL042046.D
Acq: 25 Feb 2025 11:34

Tgt Ion:	146	Resp:	1261
Ion	Ratio	Lower	Upper
146	100		
111	49.9	23.2	69.6
148	63.1	31.4	94.2





Hexachloro-1,3-Butadiene
 Concen: 0.043 ppbv
 RT: 13.895 min Scan# 42578
 Delta R.T. -0.000 min
 Lab File: VL042046.D
 Acq: 25 Feb 2025 11:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion:225 Resp: 1218
 Ion Ratio Lower Upper
 225 100
 223 76.8 50.2 75.2#
 227 63.8 50.8 76.2

