

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037709.D
 Acq On : 28 Sep 2021 19:24
 Operator : SY/AP
 Sample : M3948-01DL2 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:41:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1300472	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4006097	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3516224	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2473591	9.73	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%

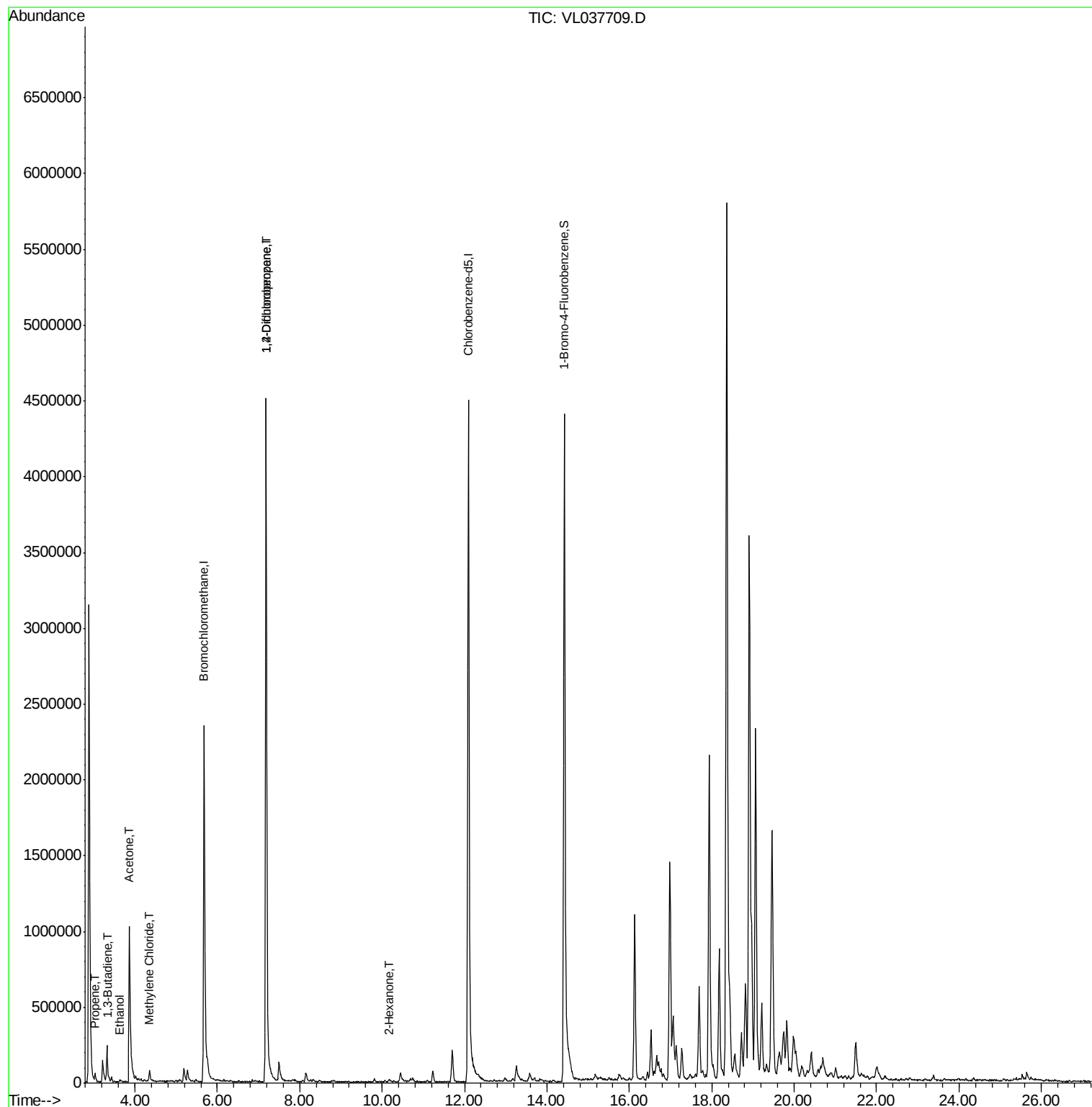
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	17031	0.197	ppbv	96
13) Ethanol	3.63	45	3990	0.471	ppbv #	1
15) Acetone	3.86	43	1647970	12.197	ppbv	99
16) 1,3-Butadiene	3.34	39	4329	0.051	ppbv #	10
20) Methylene Chloride	4.36	84	20910	0.324	ppbv	98
39) 1,2-Dichloropropane	7.18	63	953221	7.450	ppbv #	27
51) 2-Hexanone	10.16	43	5447	0.060	ppbv #	29

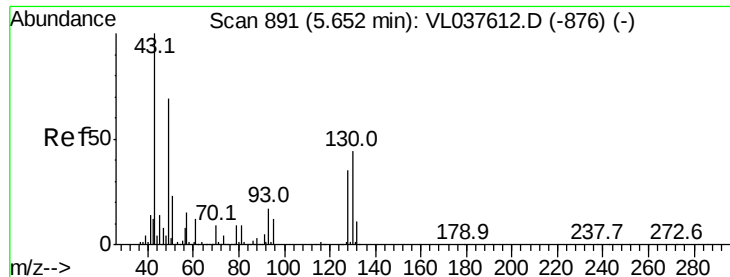
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 19:24

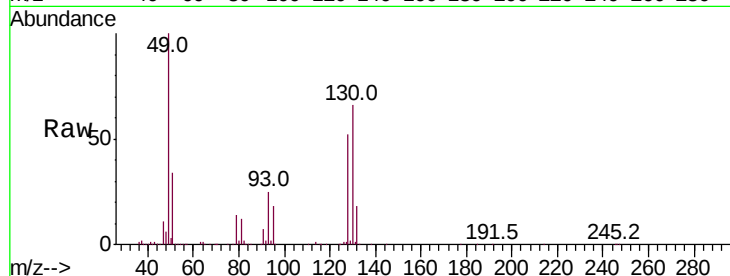
Tot Ion: 49 Resp: 1300472

Ion Ratio Lower Upper

49 100

128 56.6 27.9 83.6

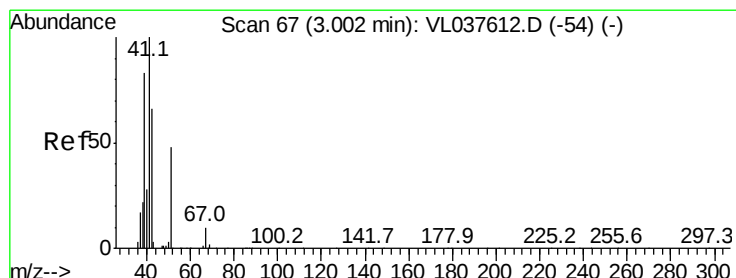
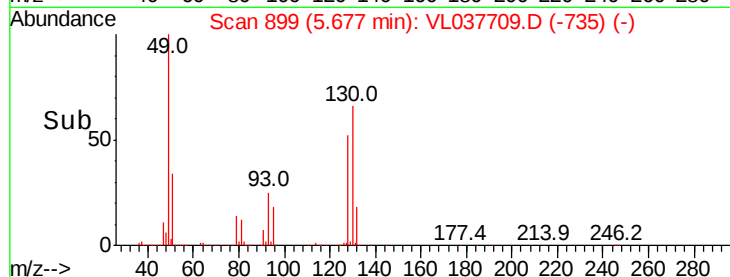
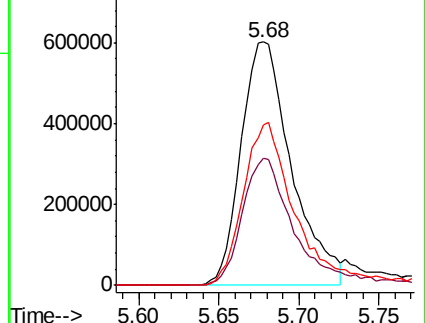
130 71.5 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.197 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL037709.D

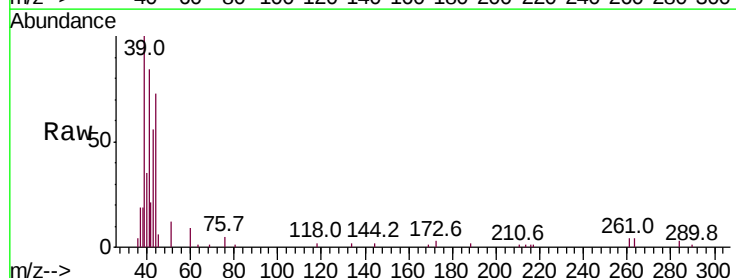
Acq: 28 Sep 2021 19:24

Tgt Ion: 41 Resp: 17031

Ion Ratio Lower Upper

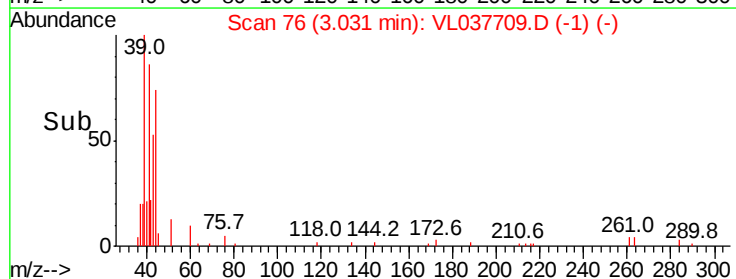
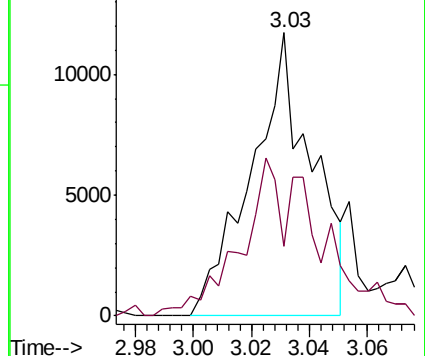
41 100

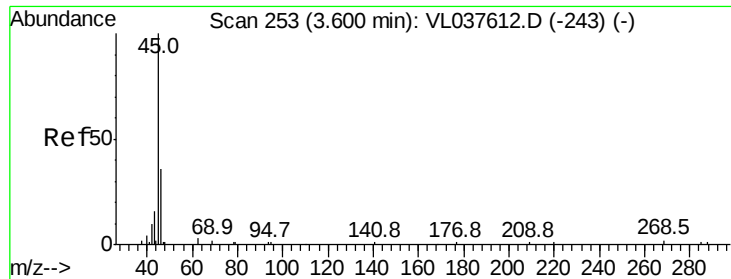
42 74.5 57.2 85.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

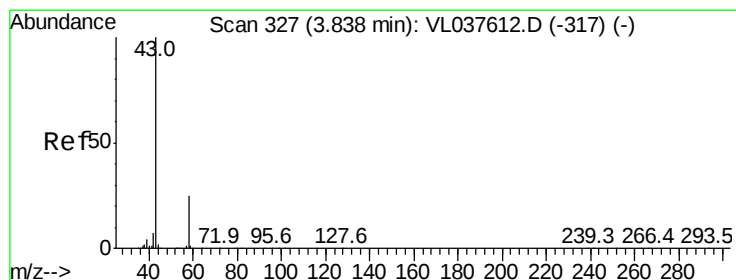
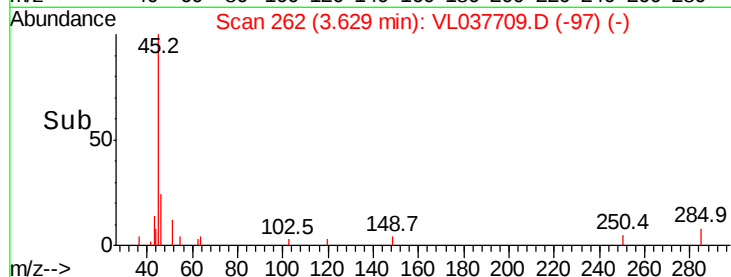
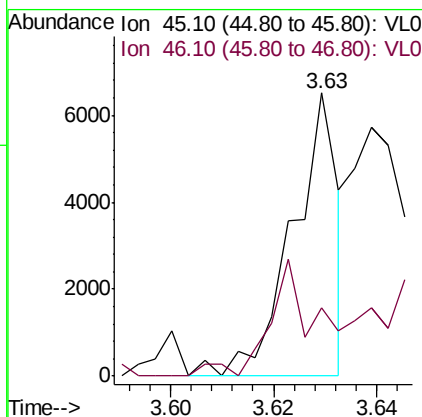
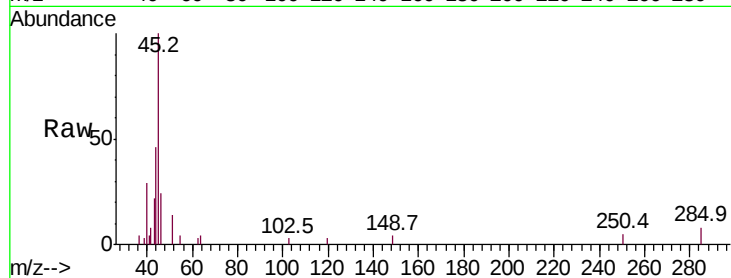
Ion 42.10 (41.80 to 42.80): VL0





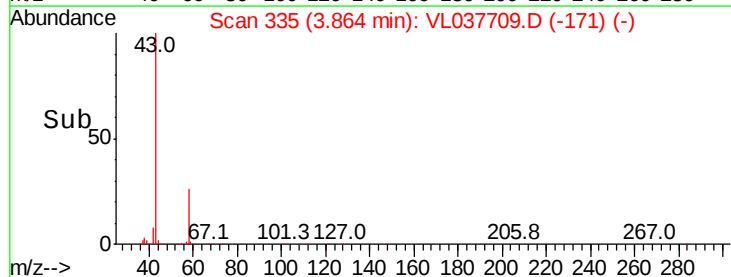
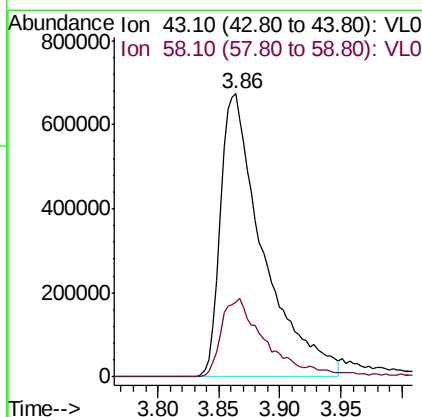
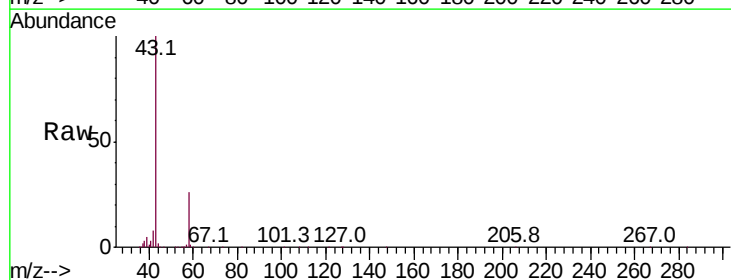
#13
 Ethanol
 Concen: 0.471 ppbv
 RT: 3.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 19:24

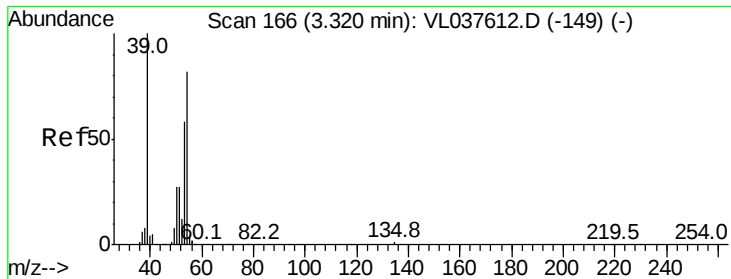
Tot Ion: 45 Resp: 3990
 Ion Ratio Lower Upper
 45 100
 46 125.1 17.2 68.8#



#15
 Acetone
 Concen: 12.197 ppbv
 RT: 3.86 min Scan# 335
 Delta R.T. 0.03 min
 Lab File: VL037709.D
 Acq: 28 Sep 2021 19:24

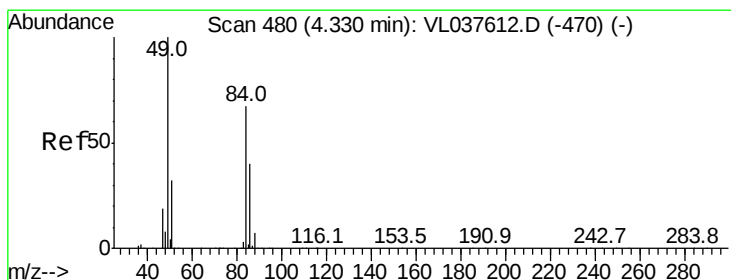
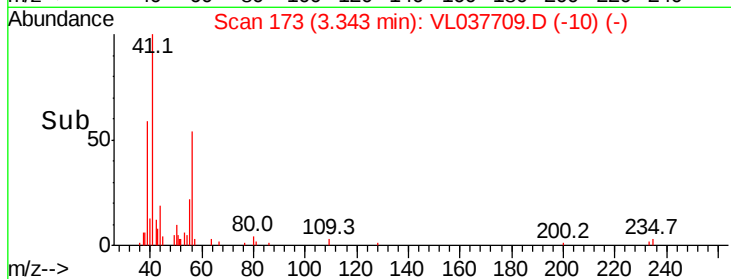
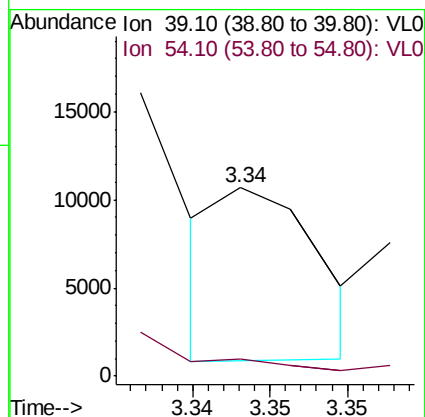
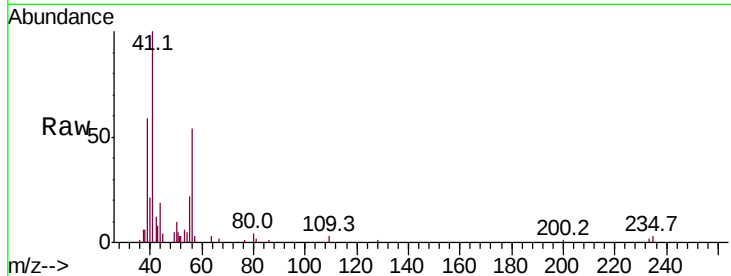
Tgt Ion: 43 Resp: 1647970
 Ion Ratio Lower Upper
 43 100
 58 30.3 24.9 37.3





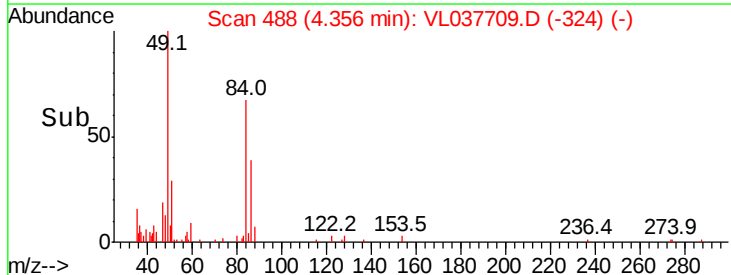
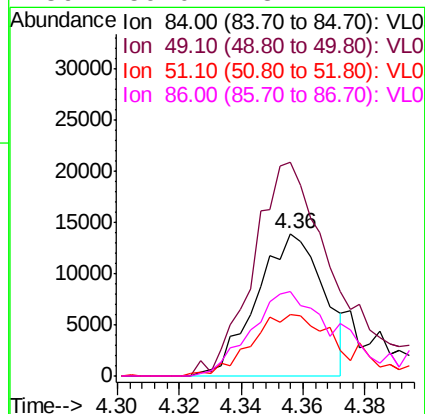
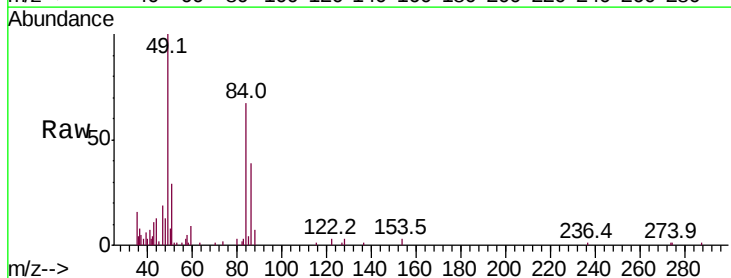
#16
 1,3-Butadiene
 Concen: 0.051 ppbv
 RT: 3.34 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File:
 Acq: 28 Sep 2021 19:24

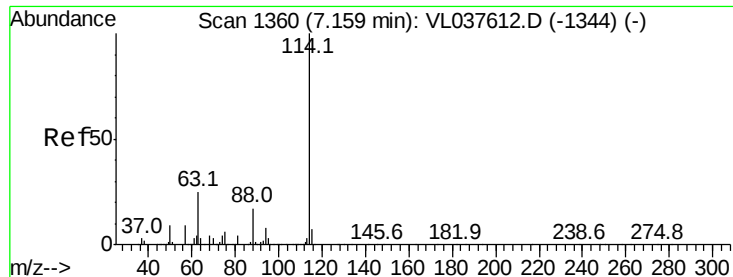
Tot Ion: 39 Resp: 4329
 Ion Ratio Lower Upper
 39 100
 54 0.0 62.6 93.8#



#20
 Methylene Chloride
 Concen: 0.324 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VL037709.D
 Acq: 28 Sep 2021 19:24

Tgt Ion: 84 Resp: 20910
 Ion Ratio Lower Upper
 84 100
 49 150.0 120.0 180.0
 51 40.7 38.0 57.0
 86 59.0 48.2 72.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

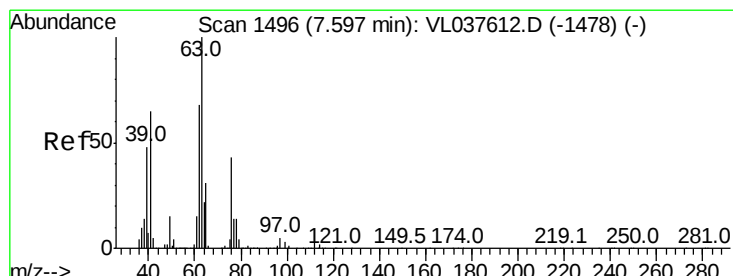
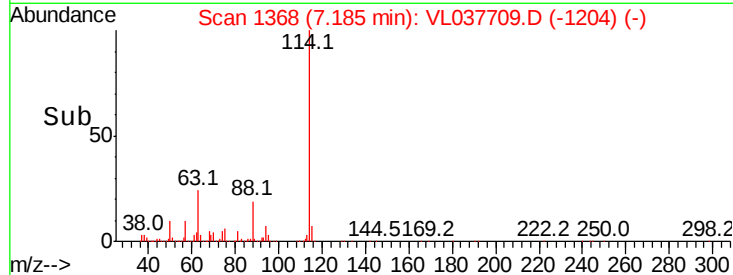
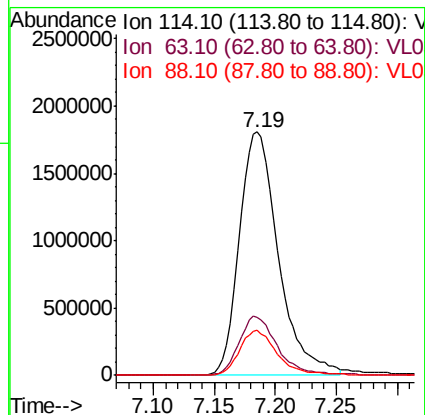
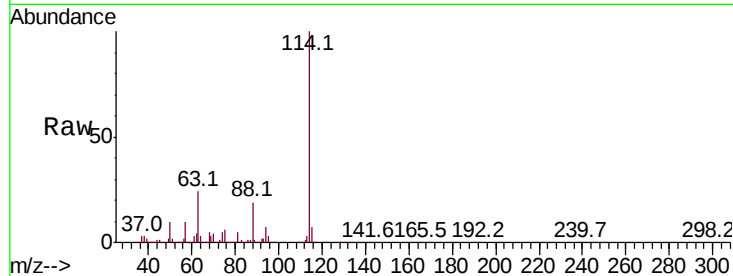
RT: 7.19 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File:

Acq: 28 Sep 2021 19:24

Tot Ion:	114	Resp:	4006097
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	18.2	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.450 ppbv

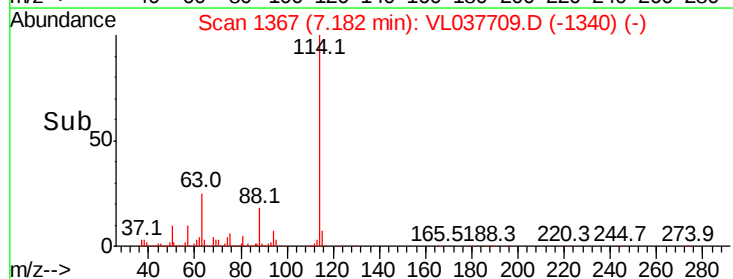
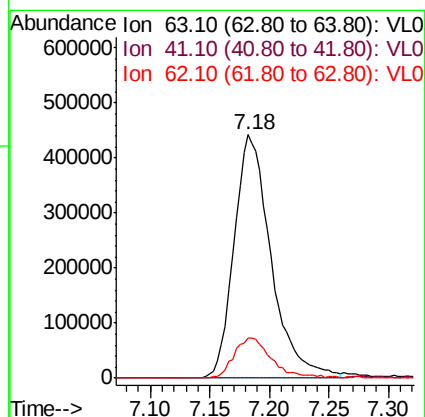
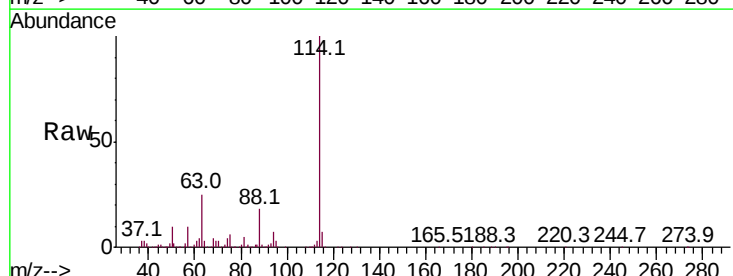
RT: 7.18 min Scan# 1367

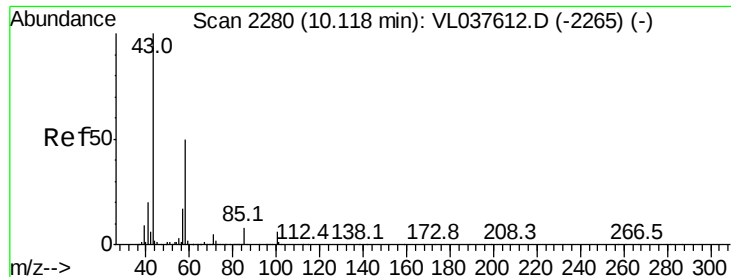
Delta R.T. -0.41 min

Lab File: VL037709.D

Acq: 28 Sep 2021 19:24

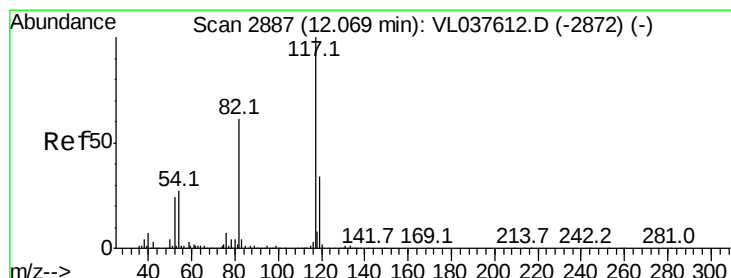
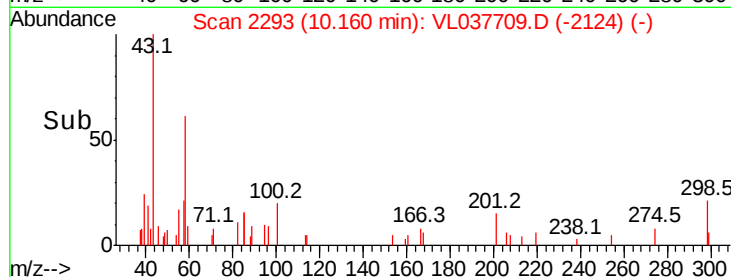
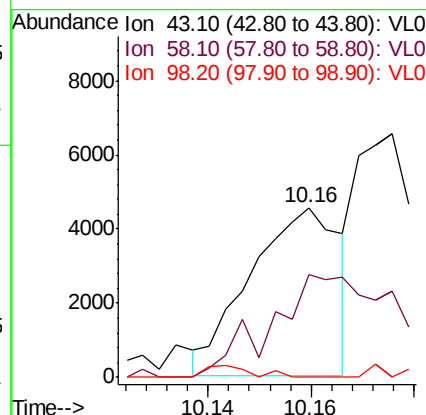
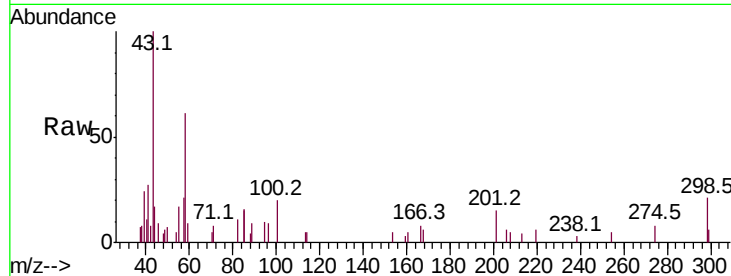
Tgt Ion:	63	Resp:	953221
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	16.4	54.6	81.8#





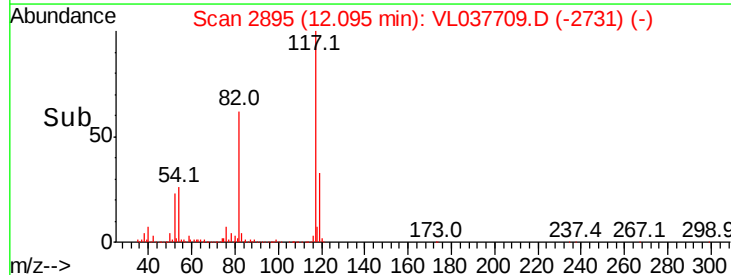
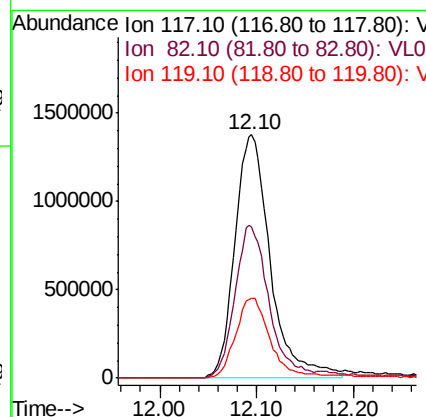
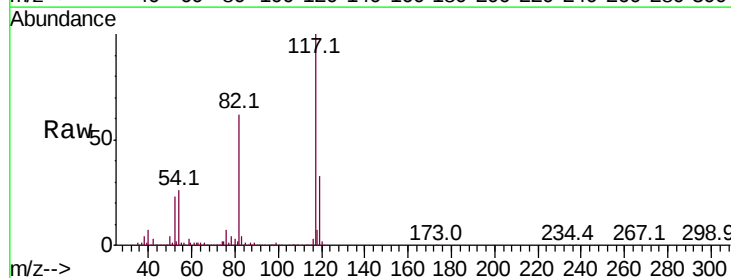
#51
2-Hexanone
Concen: 0.060 ppbv
RT: 10.16
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 19:24

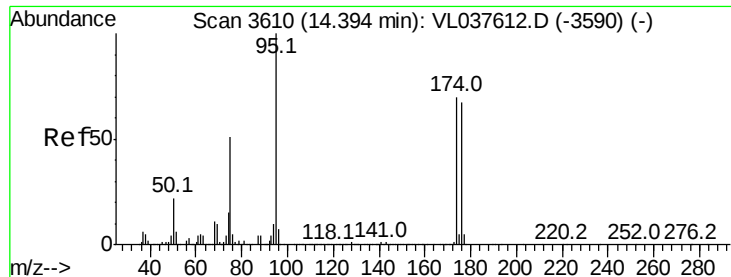
Tot Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 0.0 0.4 0.6#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037709.D
Acq: 28 Sep 2021 19:24

Tgt Ion: 117 Resp: 3516224
Ion Ratio Lower Upper
117 100
82 64.9 50.6 75.8
119 33.1 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.734 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 19:24

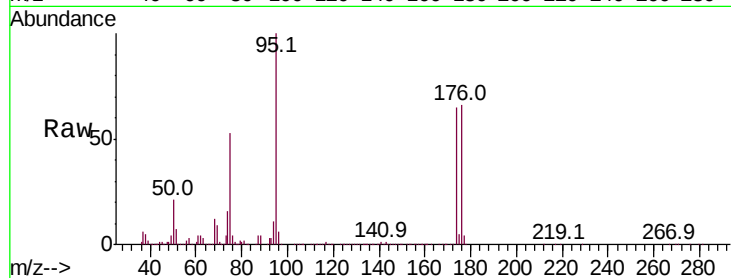
Tot Ion: 95 Resp: 2473591

Ion Ratio Lower Upper

95 100

174 75.8 56.3 84.5

175 5.7 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

