

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038086.D
 Acq On : 19 Nov 2021 15:40
 Operator : SY/AP
 Sample : M4704-04DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRANS-SHOPDL2

Quant Time: Nov 22 06:36:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	844810	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2289164	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1929940	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1489237	10.70	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.00%

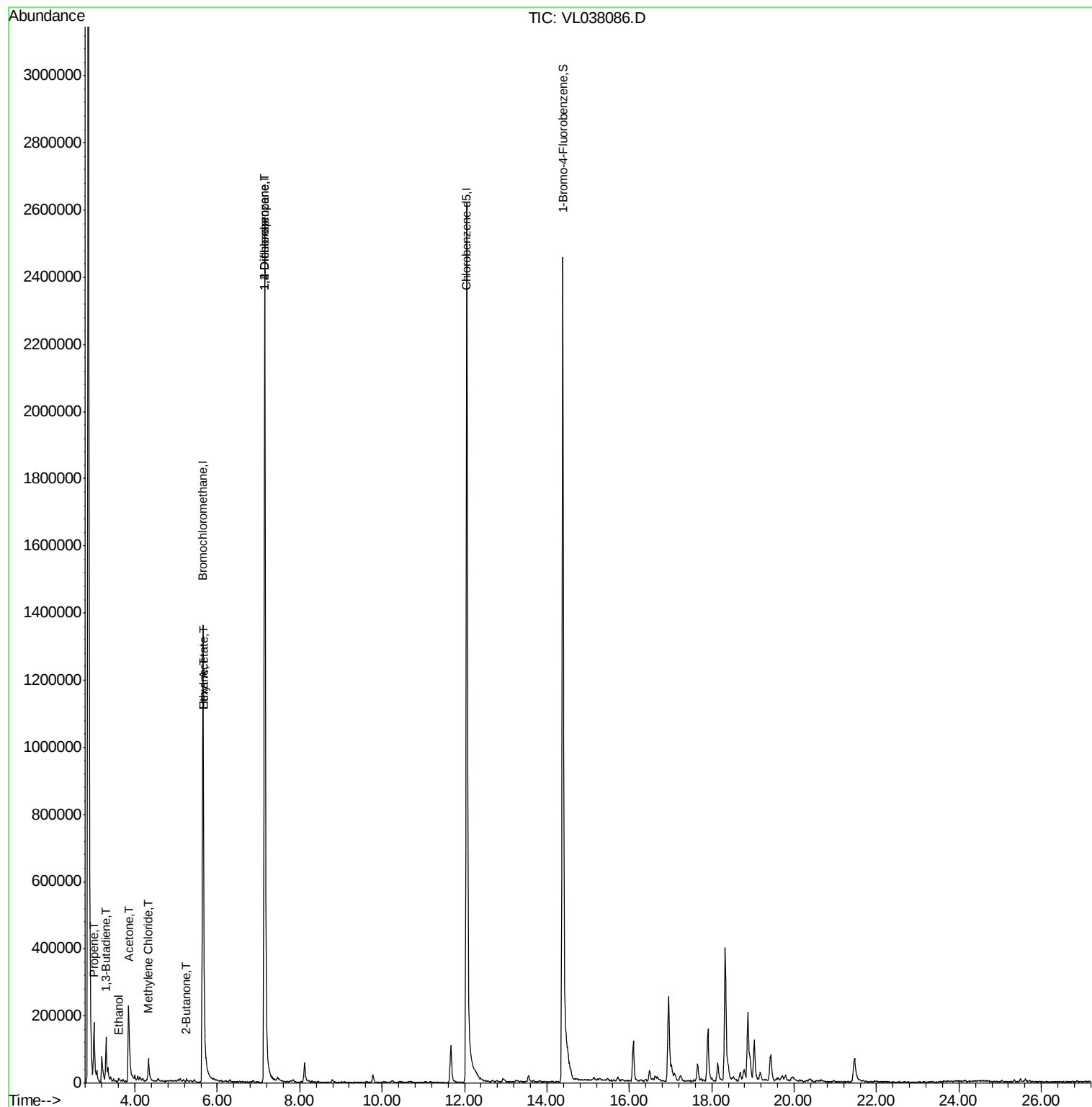
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	89228	1.366	ppbv	99
13) Ethanol	3.59	45	369	0.058	ppbv #	32
15) Acetone	3.84	43	350962	4.792	ppbv	99
16) 1,3-Butadiene	3.30	39	41445	0.725	ppbv #	25
20) Methylene Chloride	4.33	84	24270	0.592	ppbv #	81
25) Ethyl Acetate	5.67	43	16305	0.067	ppbv #	76
26) Hexane	5.67	57	20748	0.177	ppbv #	47
34) 2-Butanone	5.24	43	3812	0.041	ppbv #	52
39) 1,2-Dichloropropane	7.15	63	567638	6.480	ppbv #	27

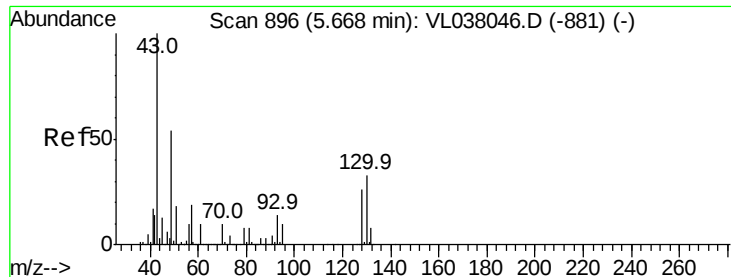
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: TRANS-SHOPDL2

Acq: 19 Nov 2021 15:40

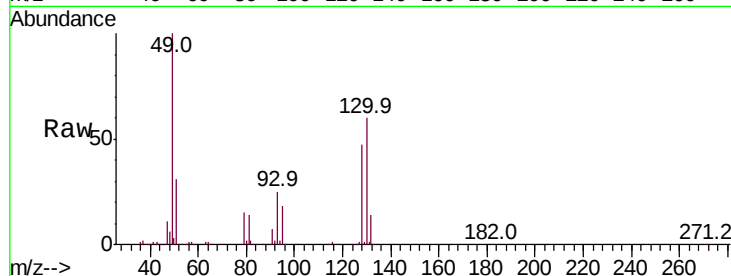
Tot Ion: 49 Resp: 844810

Ion Ratio Lower Upper

49 100

128 48.8 26.5 79.5

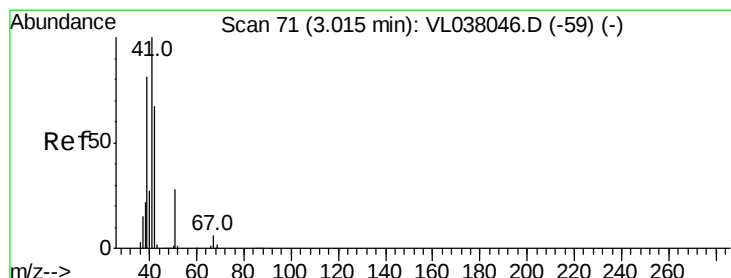
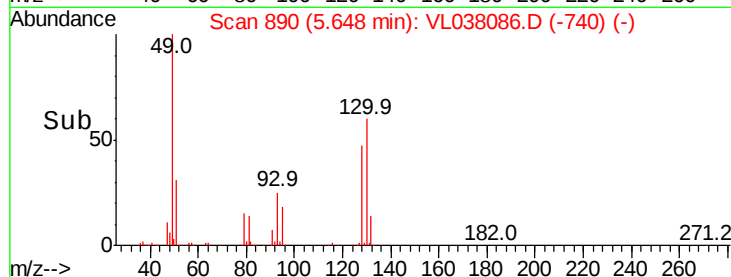
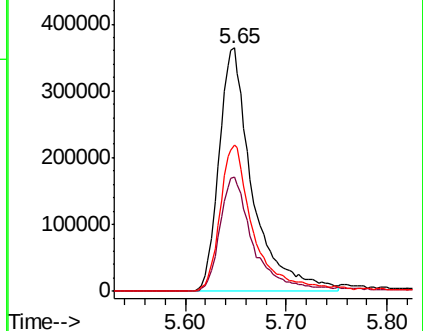
130 61.6 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.366 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL038086.D

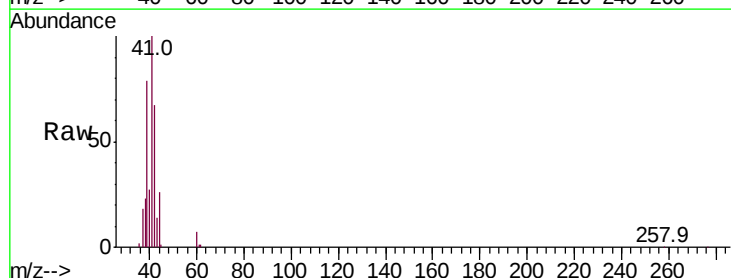
Acq: 19 Nov 2021 15:40

Tgt Ion: 41 Resp: 89228

Ion Ratio Lower Upper

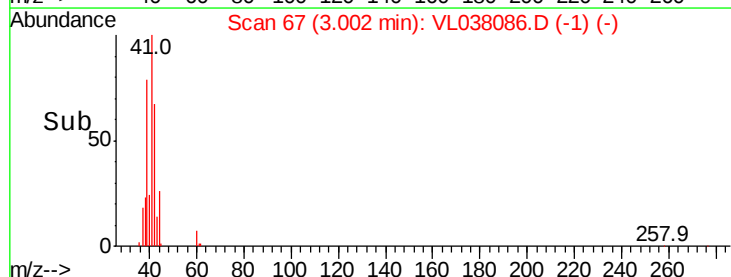
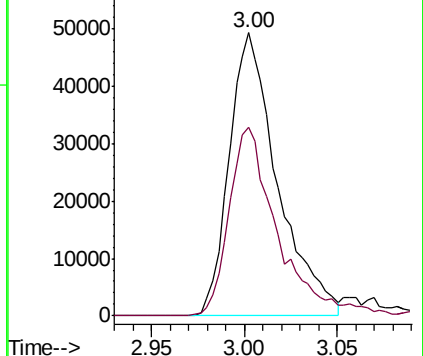
41 100

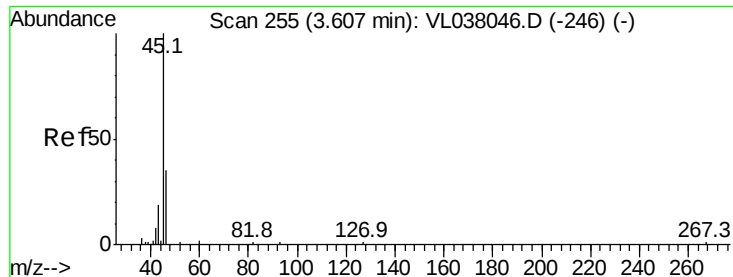
42 67.8 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

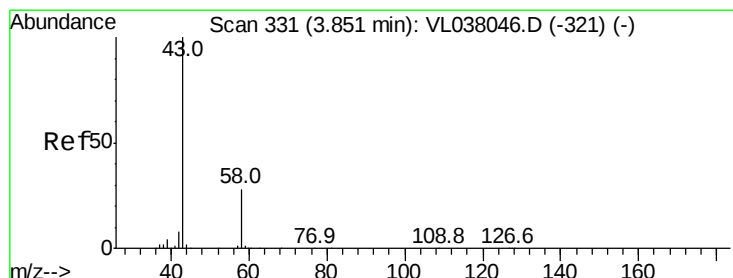
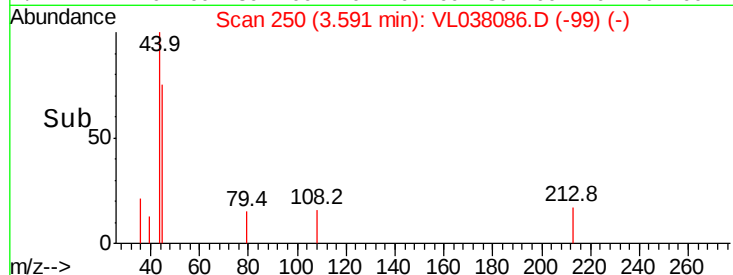
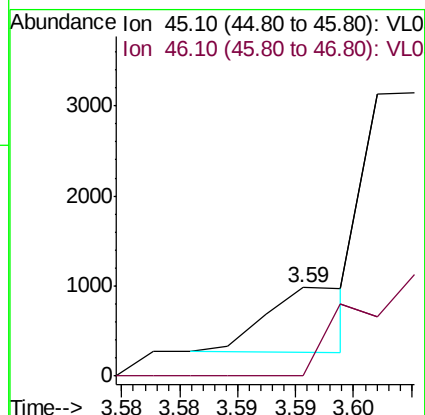
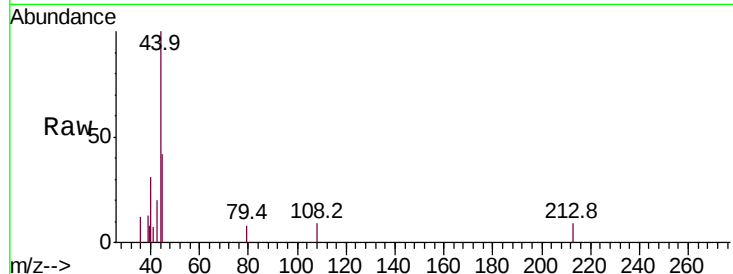
Ion 42.10 (41.80 to 42.80): VL0





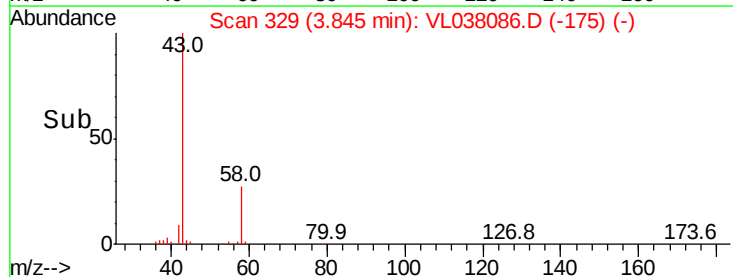
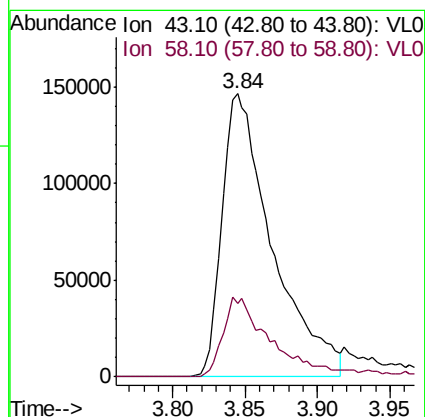
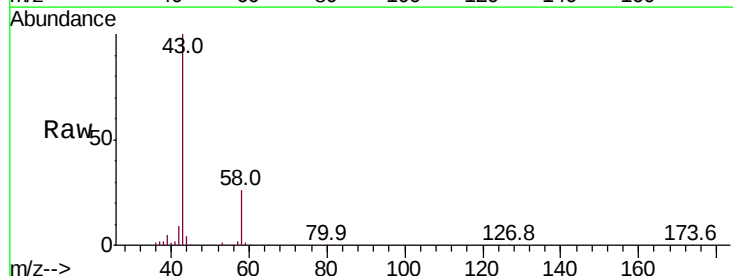
#13
Ethanol
Concen: 0.058 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 15:40

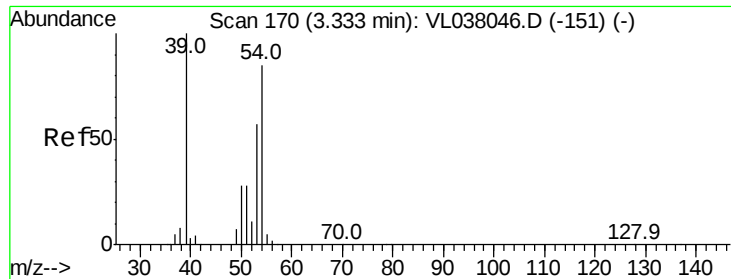
Tot Ion: 45 Resp: 369
Ion Ratio Lower Upper
45 100
46 0.0 17.6 70.2#



#15
Acetone
Concen: 4.792 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL038086.D
Acq: 19 Nov 2021 15:40

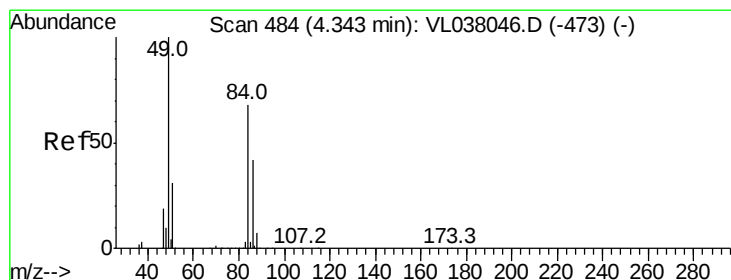
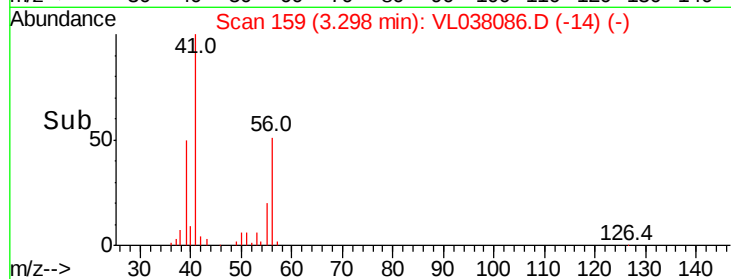
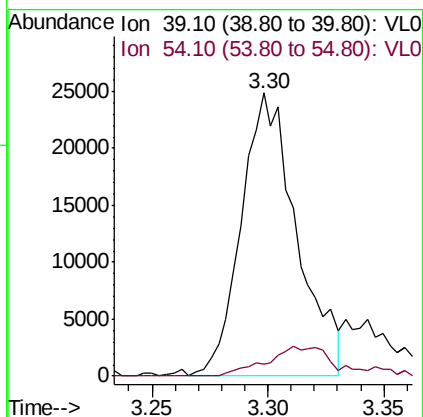
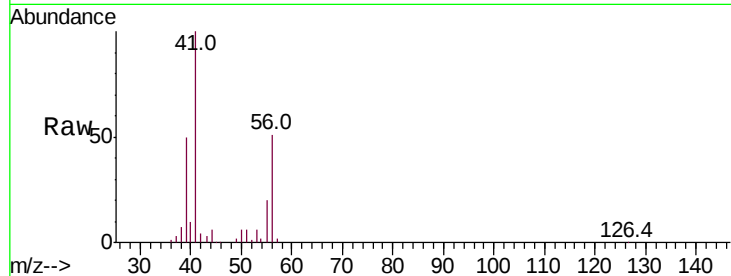
Tgt Ion: 43 Resp: 350962
Ion Ratio Lower Upper
43 100
58 28.6 22.4 33.6





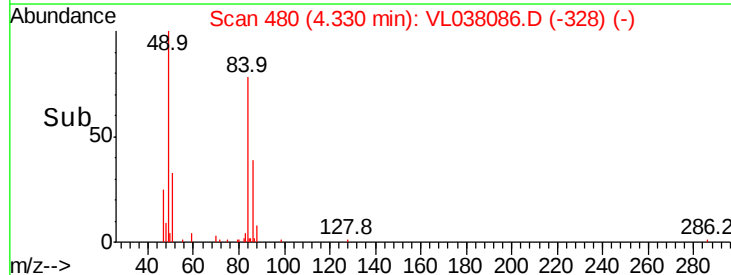
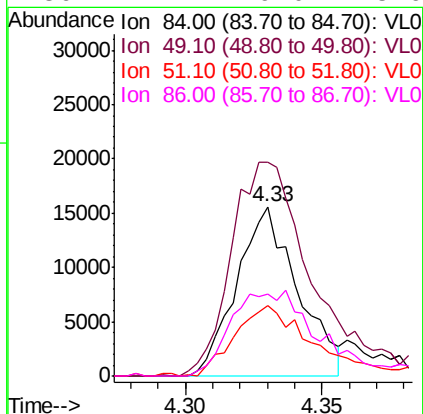
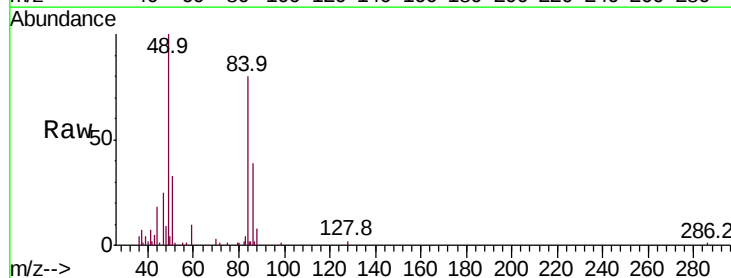
#16
 1,3-Butadiene
 Concen: 0.725 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 TRANS-SHOPDL2
 Acq: 19 Nov 2021 15:40

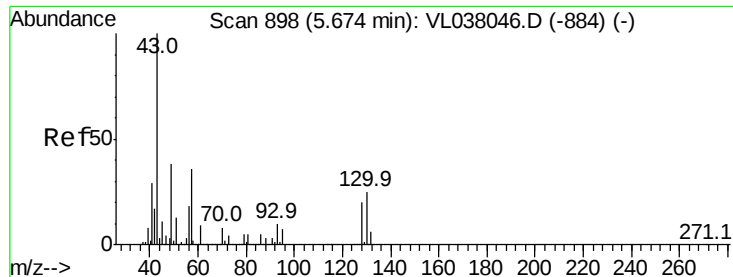
Tot Ion: 39 Resp: 41445
 Ion Ratio Lower Upper
 39 100
 54 14.0 64.4 96.6#



#20
 Methylene Chloride
 Concen: 0.592 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL038086.D
 Acq: 19 Nov 2021 15:40

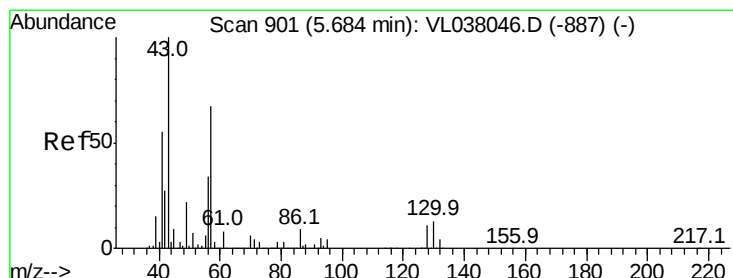
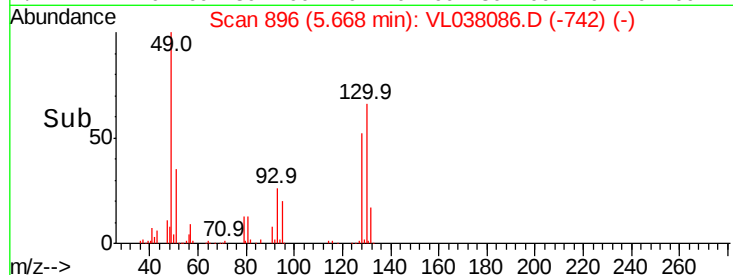
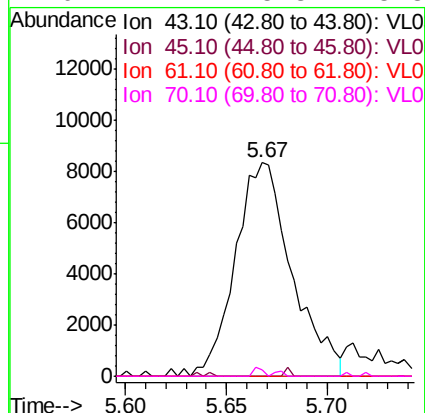
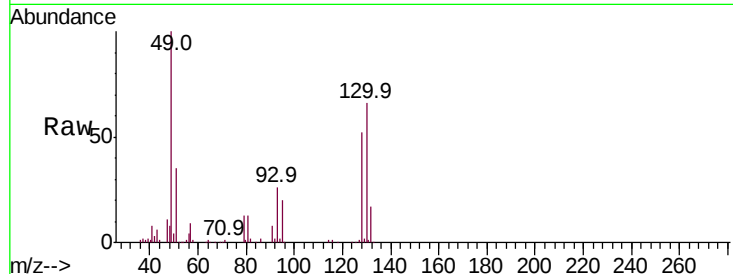
Tgt Ion: 84 Resp: 24270
 Ion Ratio Lower Upper
 84 100
 49 119.8 118.2 177.2
 51 39.4 36.8 55.2
 86 47.4 49.0 73.6#





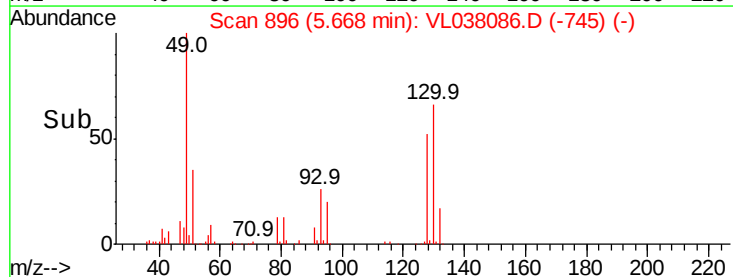
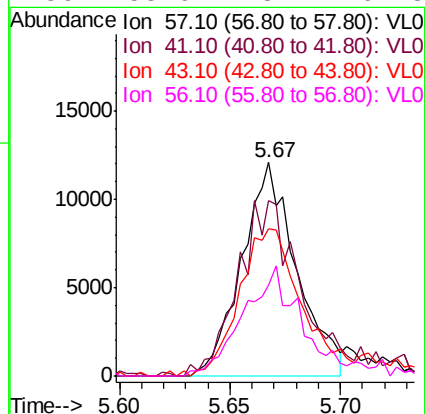
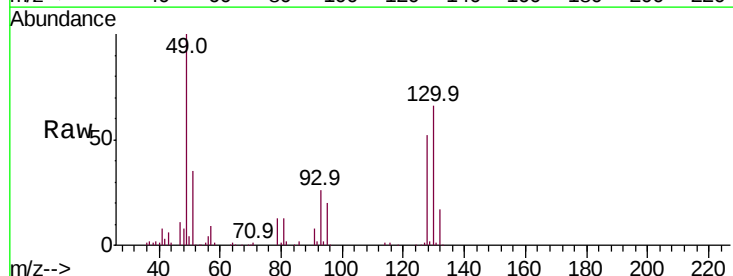
#25
Ethyl Acetate
Concen: 0.067 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 15:40
TRANS-SHOPDL2

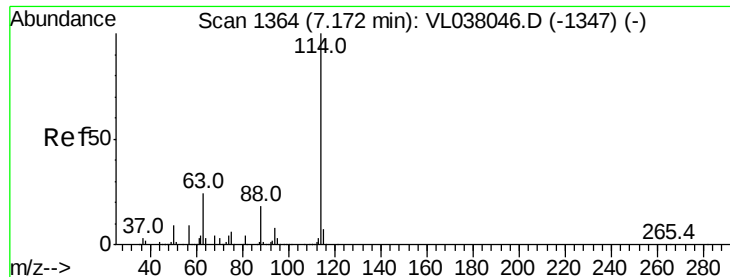
Tot Ion:	43	Resp:	16305
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.8	11.6#
70	1.1	5.8	8.8#



#26
Hexane
Concen: 0.177 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL038086.D
Acq: 19 Nov 2021 15:40

Tgt Ion:	57	Resp:	20748
Ion	Ratio	Lower	Upper
57	100		
41	101.5	71.4	107.2
43	88.9	174.6	261.8#
56	58.6	43.2	64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 15:40 TRANS-SHOPDL2

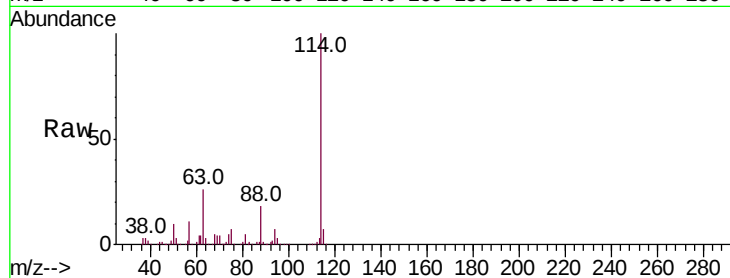
Tot Ion:114 Resp: 2289164

Ion Ratio Lower Upper

114 100

63 25.6 19.7 29.5

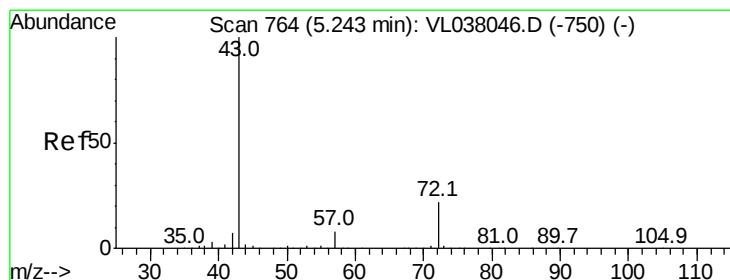
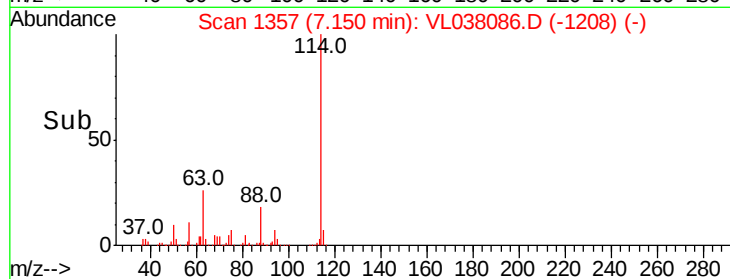
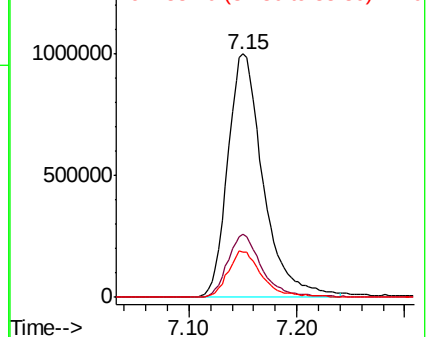
88 18.7 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.041 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL038086.D

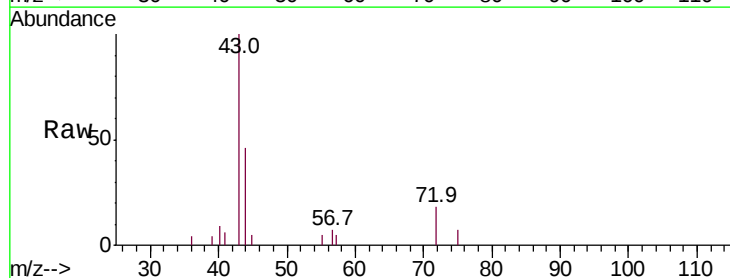
Acq: 19 Nov 2021 15:40

Tgt Ion: 43 Resp: 3812

Ion Ratio Lower Upper

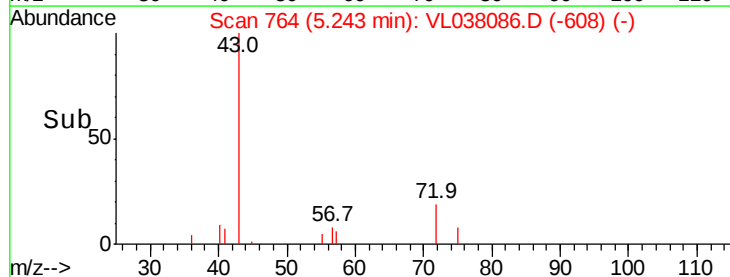
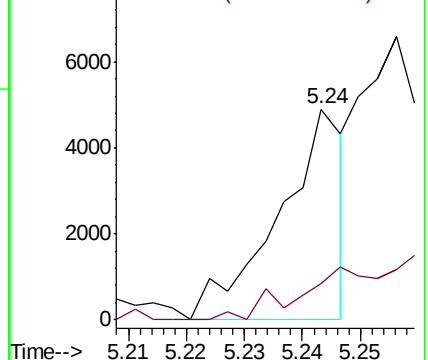
43 100

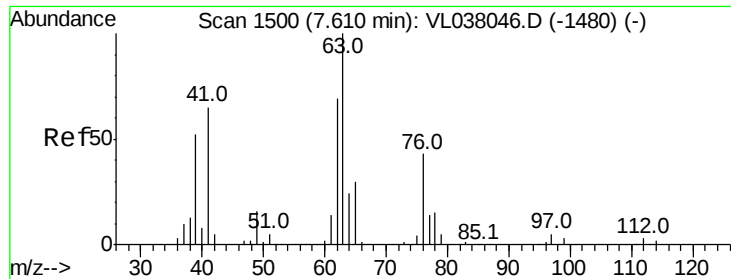
72 0.0 18.8 28.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

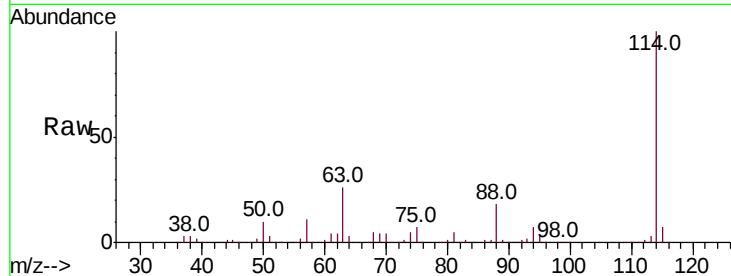
Ion 72.10 (71.80 to 72.80): VL0



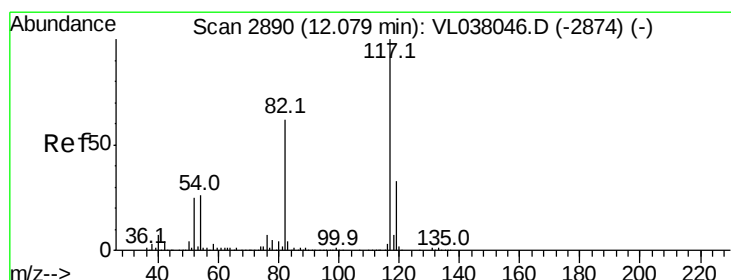
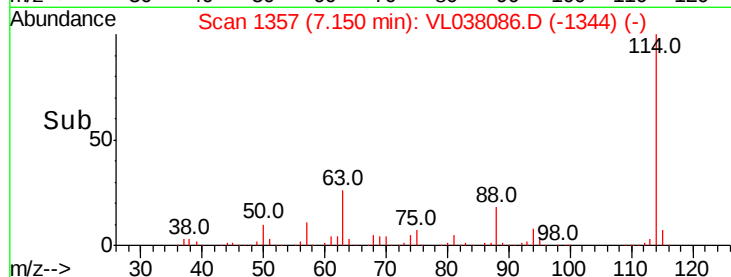
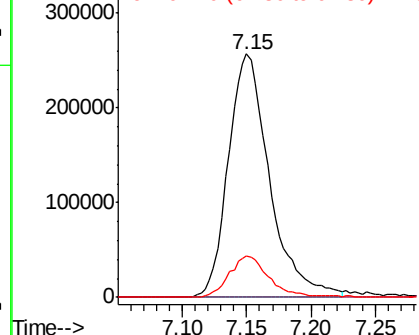


#39
 1,2-Dichloropropane
 Concen: 6.480 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 19 Nov 2021 15:40
 TRANS-SHOPDL2

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.3	78.5#
62	17.3	55.1	82.7#

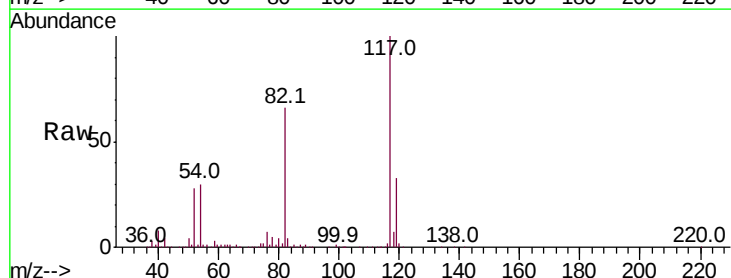


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

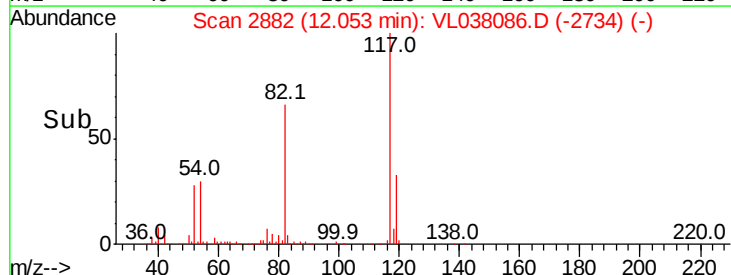
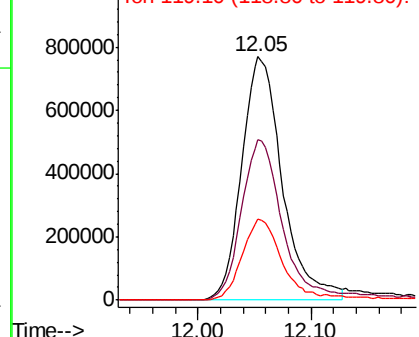


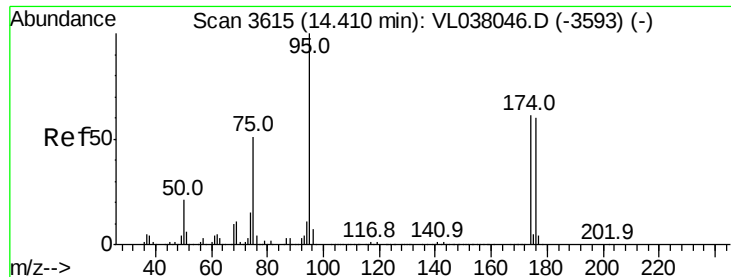
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2882
 Delta R.T. -0.03 min
 Lab File: VL038086.D
 Acq: 19 Nov 2021 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.6	52.8	79.2
119	34.3	26.8	40.2



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.698 ppbv

RT: 14.38

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Nov 2021 15:40

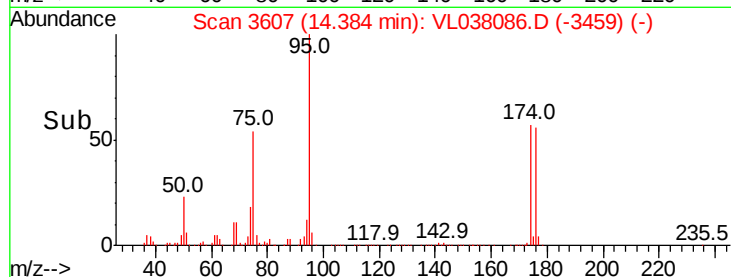
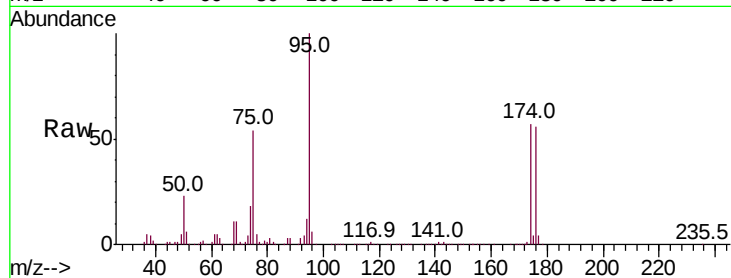
Tot Ion: 95 Resp: 1489237

Ion Ratio Lower Upper

95 100

174 62.9 53.1 79.7

175 4.7 4.0 6.0



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

