

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039327.D
 Acq On : 22 Jun 2022 19:35
 Operator : SY/AP
 Sample : N3214-13 LOD 0.1
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:28:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1133664	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3227823	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2918355	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2285771	9.47	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.19	85	23579	0.118	ppbv	89
3) Chlorodifluoromethane	2.99	51	16485	0.114	ppbv	99
4) Chloromethane	3.14	50	5601	0.076	ppbv #	54
5) Vinyl Chloride	3.27	62	6558	0.095	ppbv	90
6) Bromomethane	3.48	94	2444	0.072	ppbv #	65
7) Chloroethane	3.56	64	2460	0.102	ppbv #	55
8) Dichlorotetrafluoroethane	3.19	85	23579	0.130	ppbv	93
9) Propene	3.01	41	6256	0.099	ppbv #	15
10) Heptane	8.12	43	12113	0.083	ppbv	88
11) Trichlorofluoromethane	3.96	101	7173	0.040	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.48	101	11773	0.099	ppbv #	70
13) Ethanol	3.62	45	381	0.111	ppbv #	100
14) Bromoethene	3.75	108	7019	0.131	ppbv #	93
15) Acetone	3.88	43	9906	0.084	ppbv #	34
16) 1,3-Butadiene	3.33	39	5375	0.085	ppbv #	29
18) 1,1-Dichloroethene	4.29	96	6592	0.123	ppbv #	50
19) Isopropyl Alcohol	3.98	45	3582	0.065	ppbv #	78
20) Methylene Chloride	4.35	84	9233	0.186	ppbv	95
21) Allvl Chloride	4.41	41	8222	0.103	ppbv #	56
24) 1,1-Dichloroethane	5.01	63	8682	0.065	ppbv #	93
25) Ethyl Acetate	5.69	43	15742	0.059	ppbv #	67
26) Hexane	5.69	57	9471	0.081	ppbv #	28
27) Carbon Disulfide	4.55	76	11305	0.093	ppbv #	17
28) Methyl tert-Butyl Ether	5.05	73	5825	0.045	ppbv #	52
29) Chloroform	5.75	83	20889	0.106	ppbv	98
30) Cyclohexane	7.13	84	5015	0.051	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	4713	0.040	ppbv #	79
32) 1,1,1-Trichloroethane	6.51	97	11926	0.062	ppbv #	25
36) Benzene	6.89	78	15552	0.059	ppbv	97
37) 1,2-Dichloroethane	6.30	62	6883	0.040	ppbv #	88
39) 1,2-Dichloropropane	7.17	63	773581	7.422	ppbv #	24
42) Bromodichloromethane	7.79	83	16045	0.067	ppbv #	81
43) Methyl Methacrylate	8.01	69	4107	0.040	ppbv #	1
47) 1,1,2-Trichloroethane	9.47	97	5820	0.054	ppbv #	82
53) Toluene	9.80	91	16917	0.056	ppbv #	49
54) 1,2-Dibromoethane	10.60	107	10354	0.071	ppbv #	71
56) 1,1,1,2-Tetrachloroethane	12.11	131	7703	0.056	ppbv #	22
57) Chlorobenzene	12.14	112	16820	0.077	ppbv #	71
59) m/p-Xylene	12.99	91	11832	0.033	ppbv #	1
60) o-Xylene	13.68	91	14214	0.043	ppbv #	41
61) Styrene	13.52	104	6828	0.038	ppbv #	28

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
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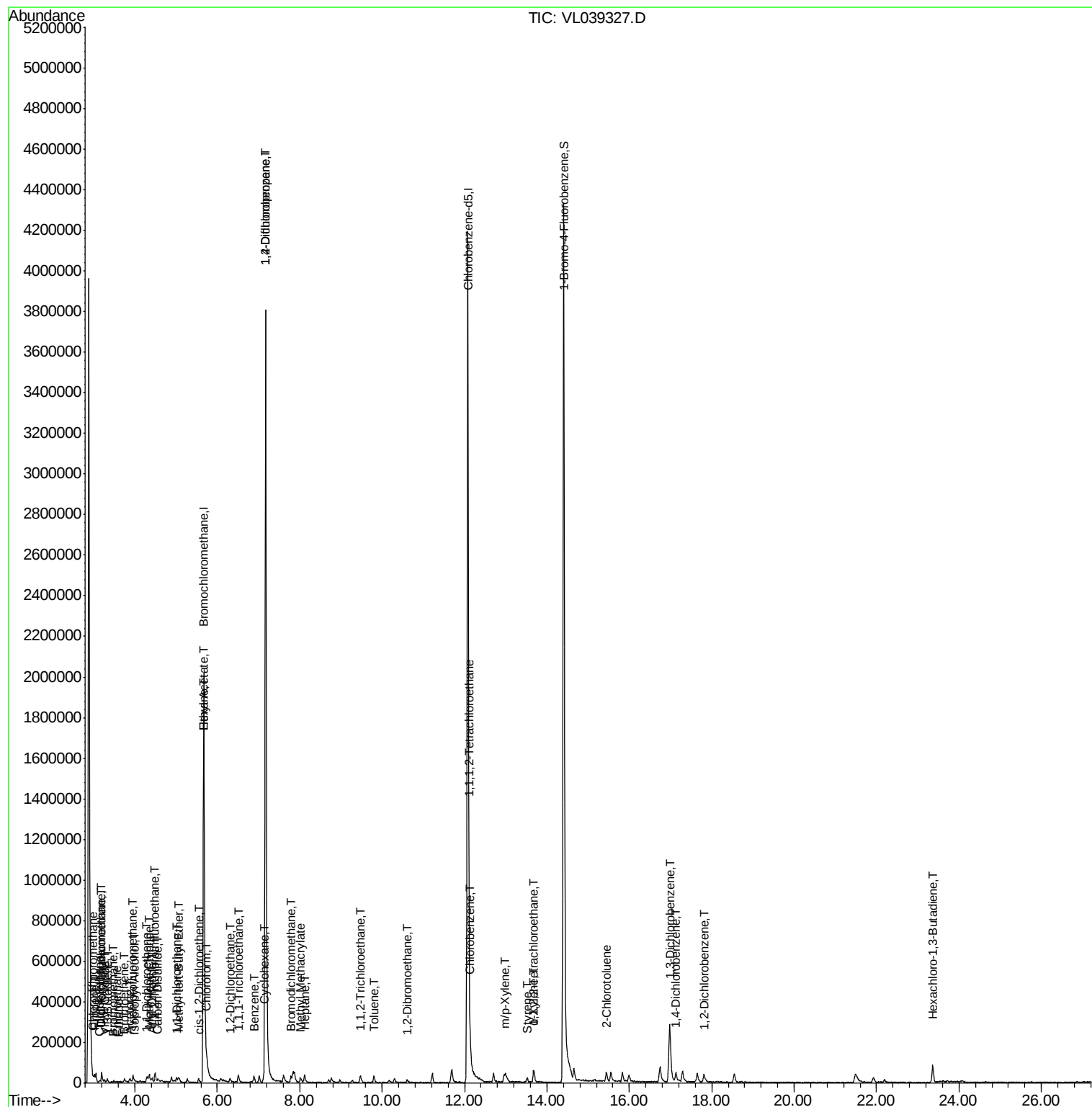
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	13.68	83	10331	0.055	ppbv #	48
71) 2-Chlorotoluene	15.44	91	12965	0.034	ppbv #	44
75) 1,3-Dichlorobenzene	16.98	146	6964	0.031	ppbv #	1
76) 1,4-Dichlorobenzene	17.12	146	8237	0.037	ppbv #	22
77) 1,2-Dichlorobenzene	17.82	146	13328	0.060	ppbv #	31
78) Hexachloro-1,3-Butadiene	23.36	225	10861	0.053	ppbv #	14

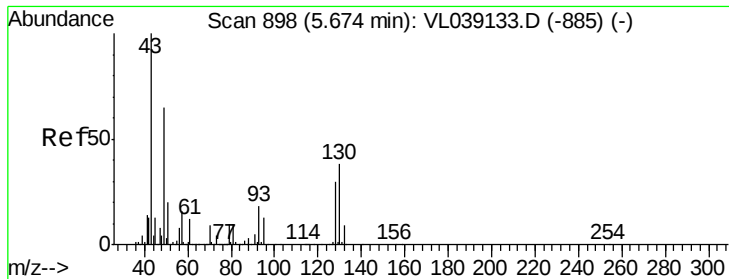
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 19:35

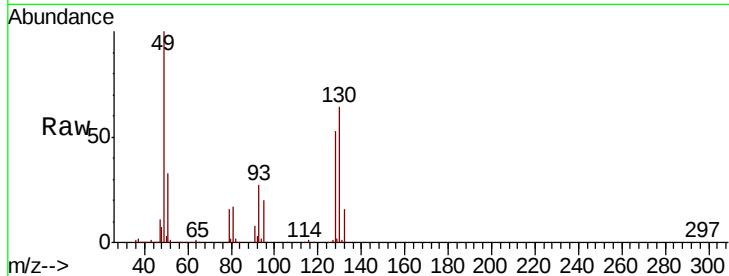
Tot Ion: 49 Resp: 1133664

Ion Ratio Lower Upper

49 100

128 54.8 24.7 74.1

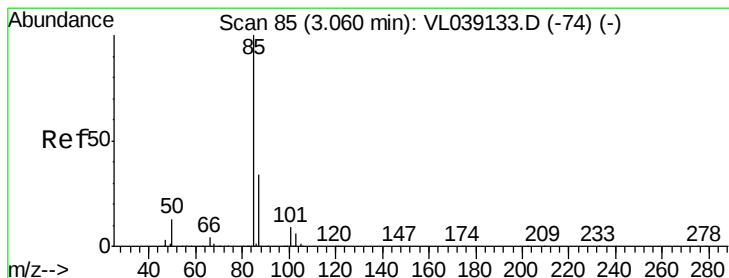
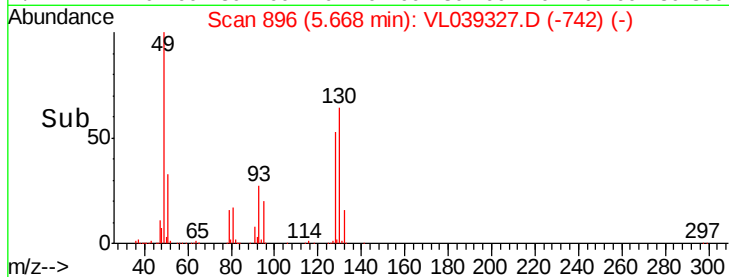
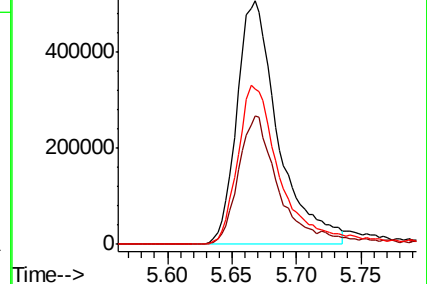
130 71.3 31.4 94.0



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



#2

Dichlorodifluoromethane

Concen: 0.118 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.13 min

Lab File: VL039327.D

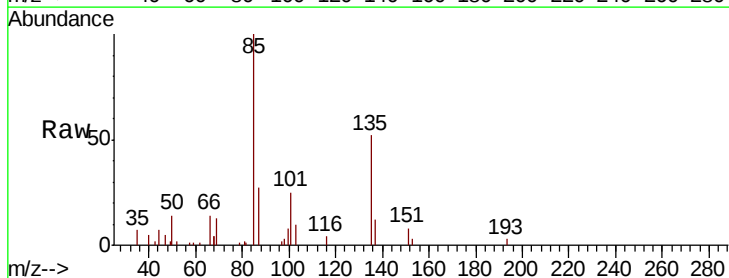
Acq: 22 Jun 2022 19:35

Tgt Ion: 85 Resp: 23579

Ion Ratio Lower Upper

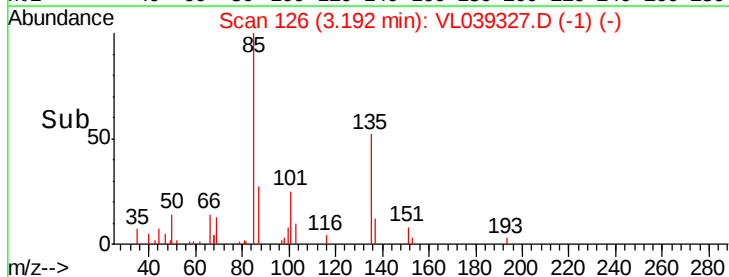
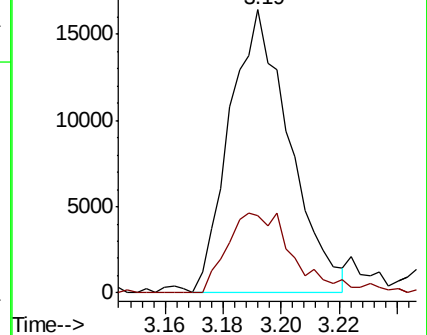
85 100

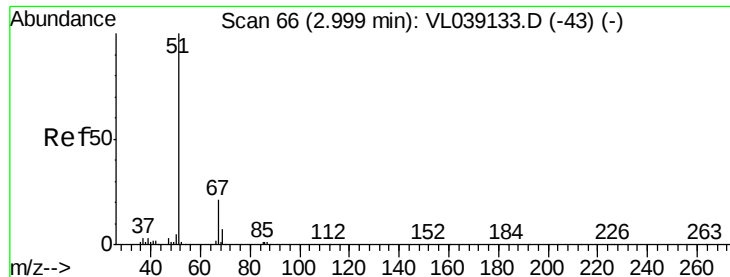
87 27.1 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.114 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: LOD-MDL-AIR-01-OT2-2022

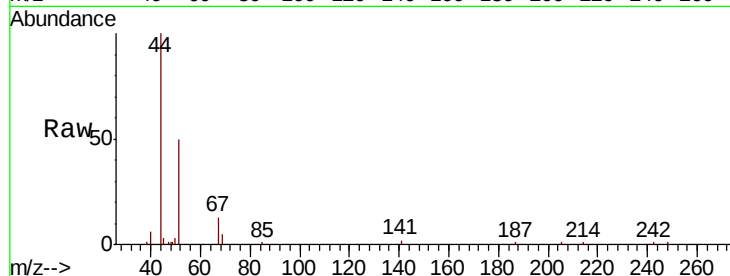
Acq: 22 Jun 2022 19:35

Tot Ion: 51 Resp: 16485

Ion Ratio Lower Upper

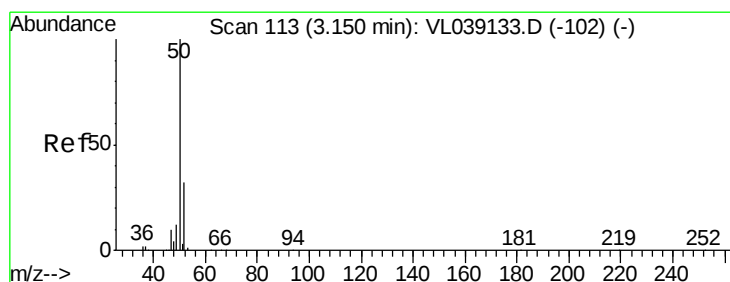
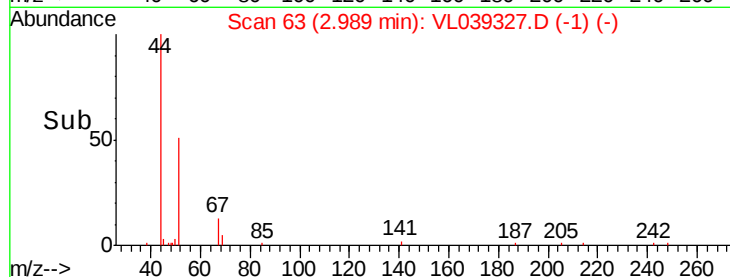
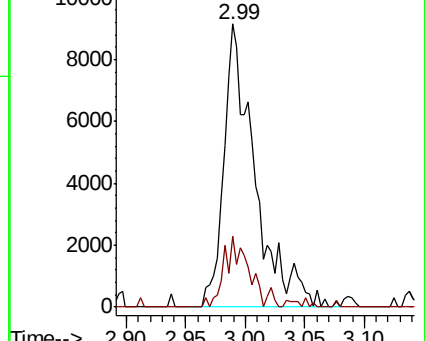
51 100

67 20.8 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.076 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039327.D

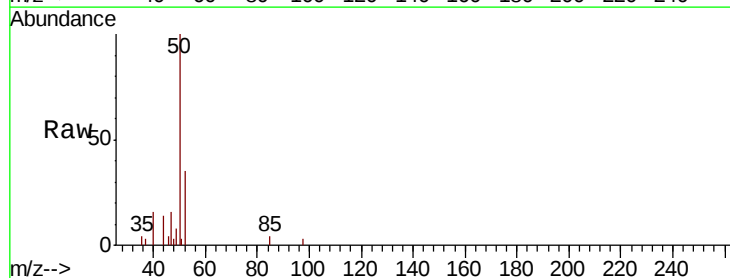
Acq: 22 Jun 2022 19:35

Tgt Ion: 50 Resp: 5601

Ion Ratio Lower Upper

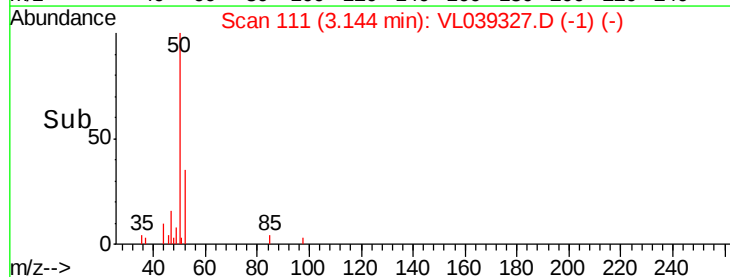
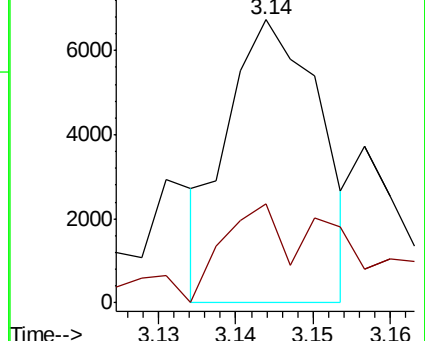
50 100

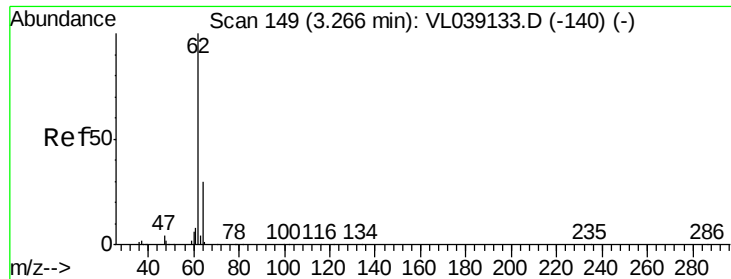
52 58.1 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.095 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

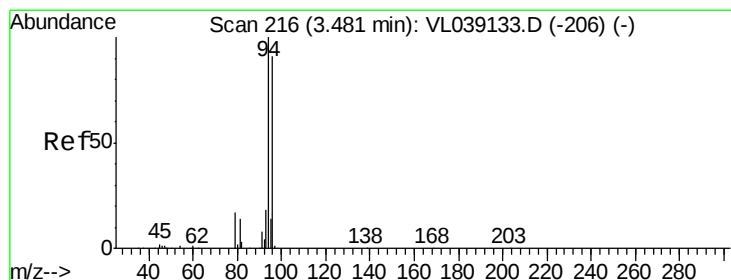
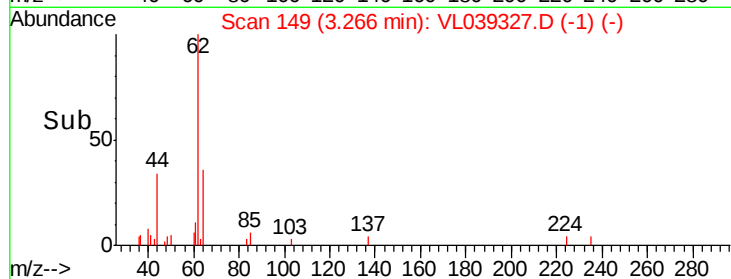
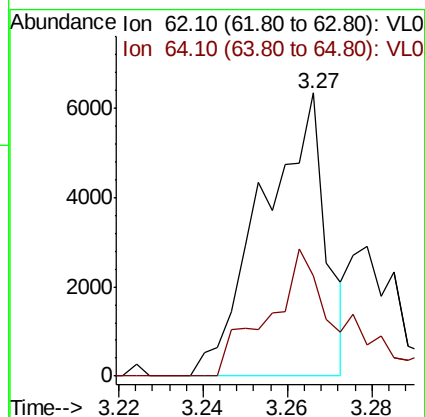
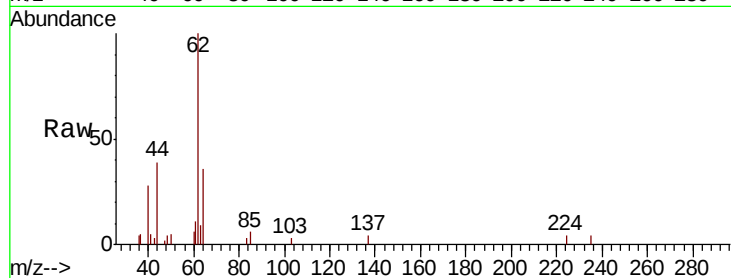
Acq: 22 Jun 2022 19:35

Tot Ion: 62 Resp: 6558

Ion Ratio Lower Upper

62 100

64 35.5 24.2 36.2



#6

Bromomethane

Concen: 0.072 ppbv

RT: 3.48 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL039327.D

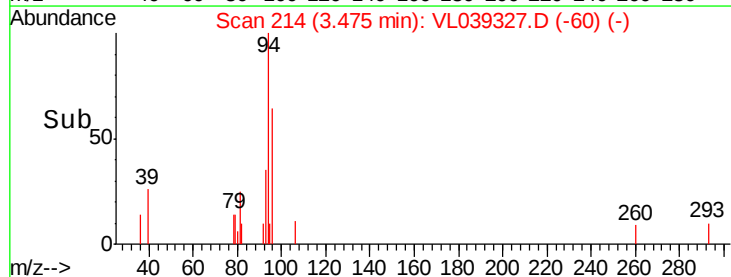
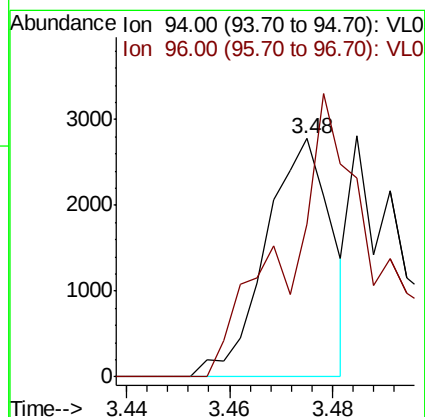
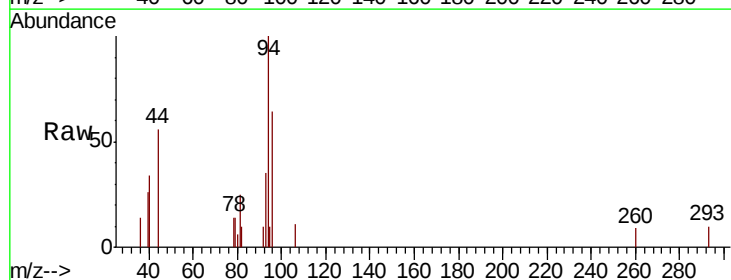
Acq: 22 Jun 2022 19:35

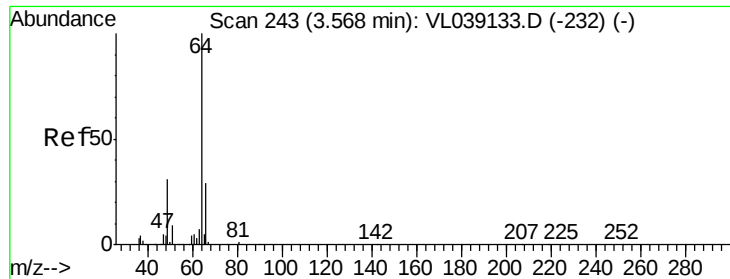
Tgt Ion: 94 Resp: 2444

Ion Ratio Lower Upper

94 100

96 58.3 73.0 109.4#





#7

Chloroethane

Concen: 0.102 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

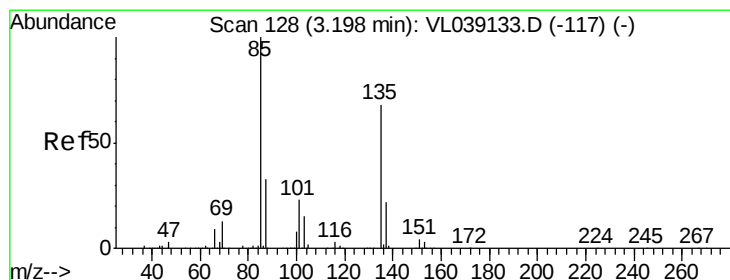
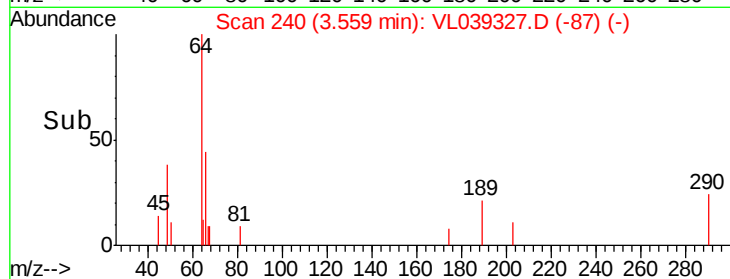
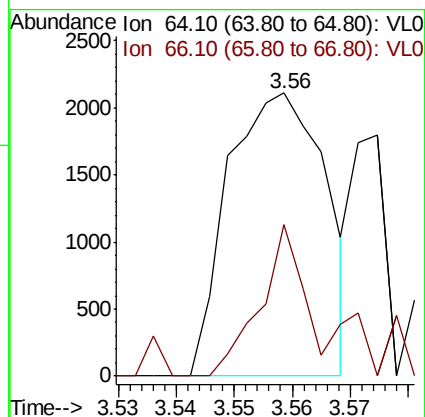
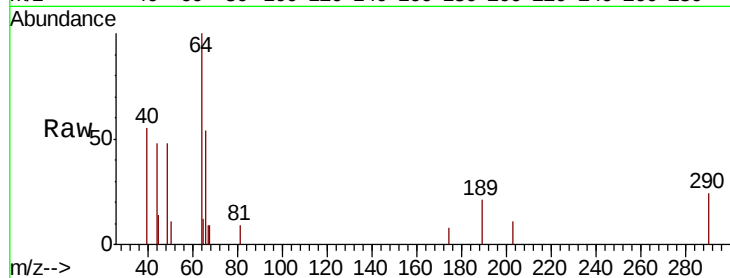
Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 64 Resp: 2460

Ion Ratio Lower Upper

64 100

66 53.7 23.6 35.4#



#8

Dichlorotetrafluoroethane

Concen: 0.130 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.01 min

Lab File: VL039327.D

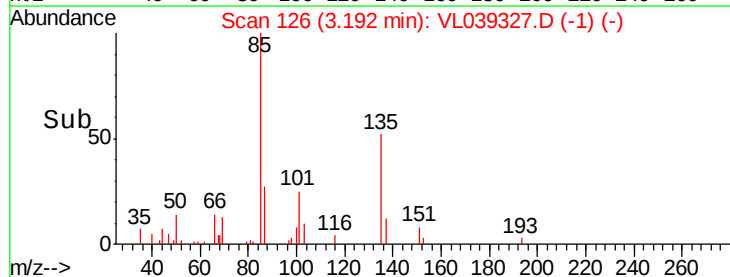
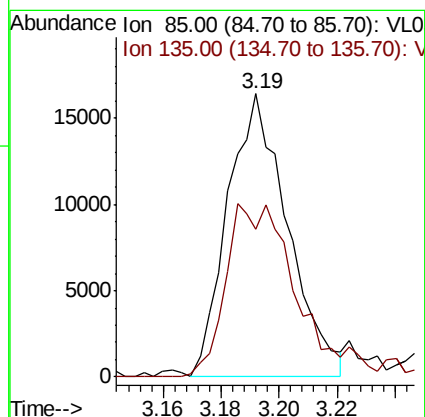
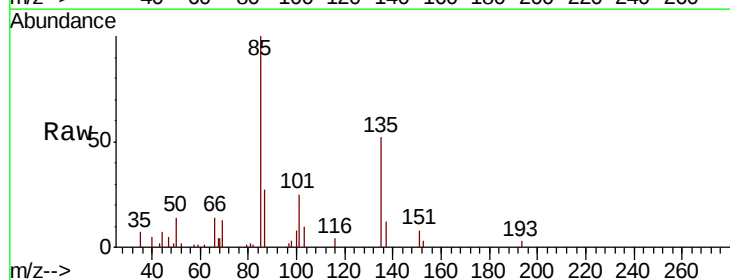
Acq: 22 Jun 2022 19:35

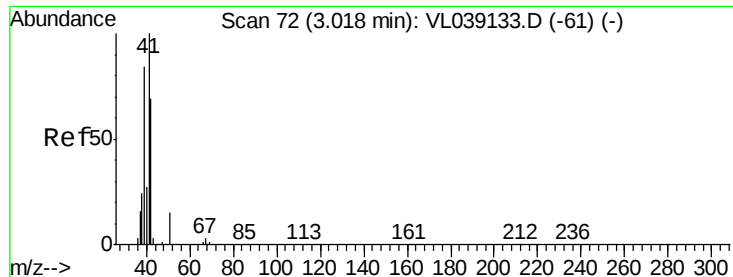
Tgt Ion: 85 Resp: 23579

Ion Ratio Lower Upper

85 100

135 74.3 55.0 82.4





#9

Propene

Concen: 0.099 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

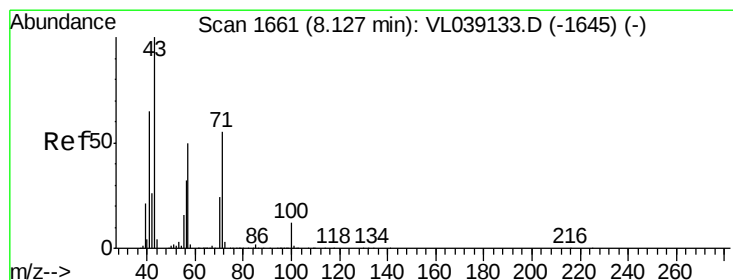
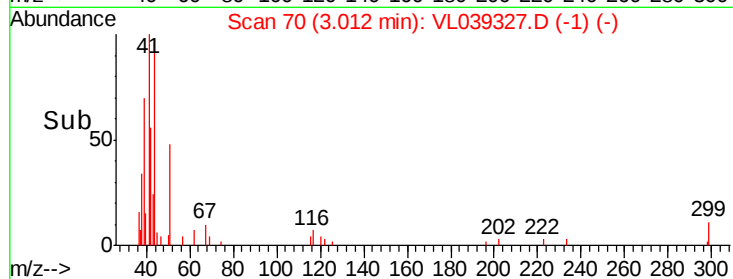
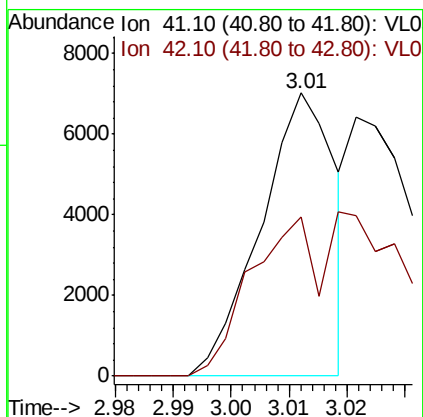
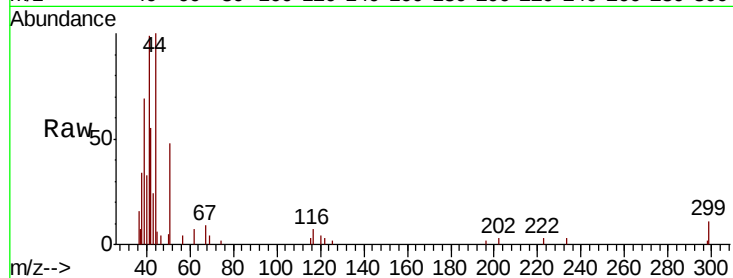
Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-OT2-2022

Tot Ion: 41 Resp: 6256

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.2#



#10

Heptane

Concen: 0.083 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL039327.D

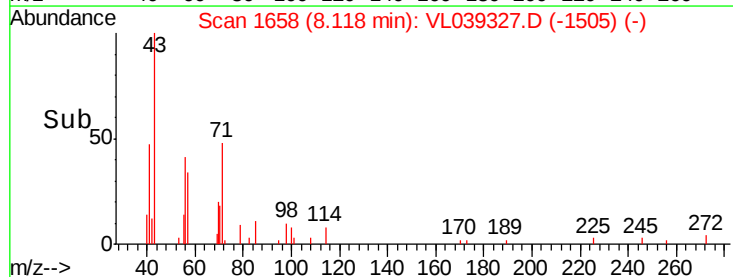
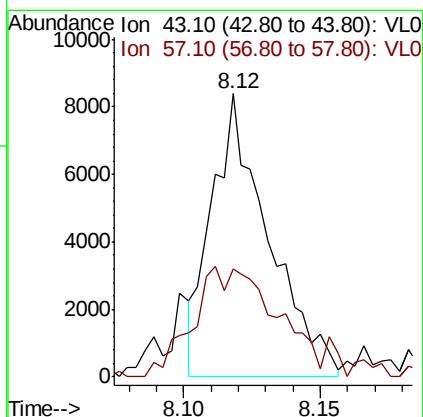
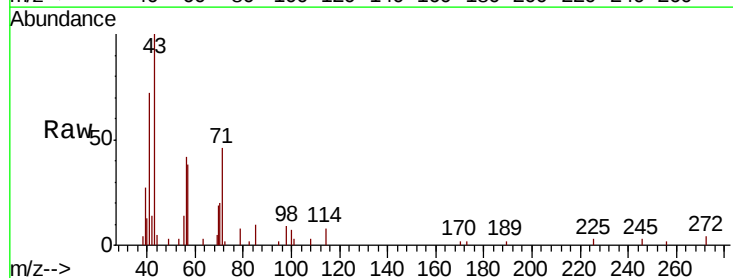
Acq: 22 Jun 2022 19:35

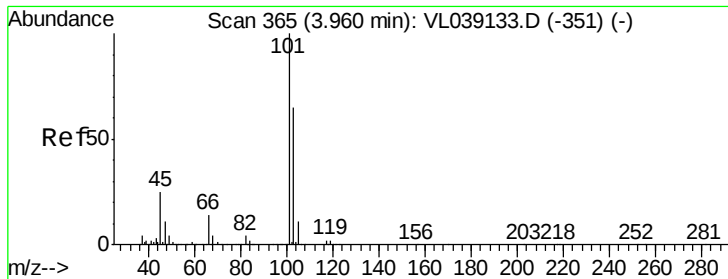
Tgt Ion: 43 Resp: 12113

Ion Ratio Lower Upper

43 100

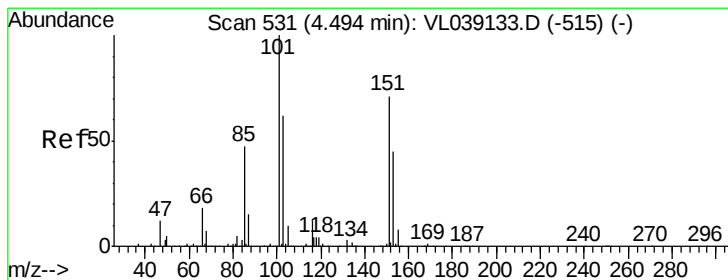
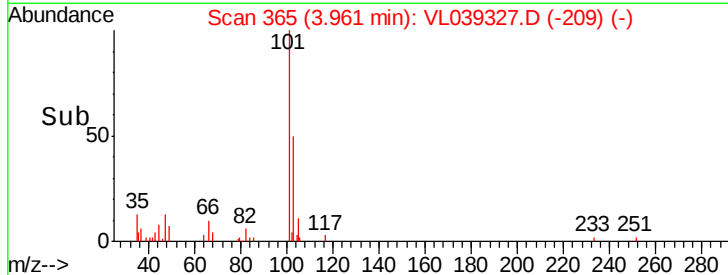
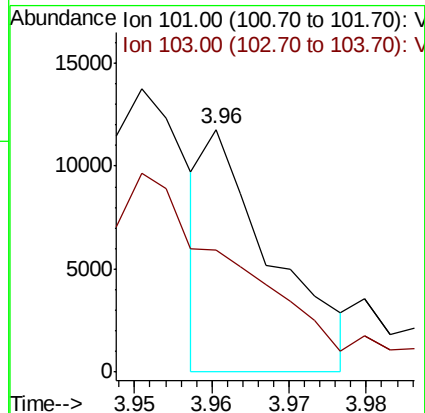
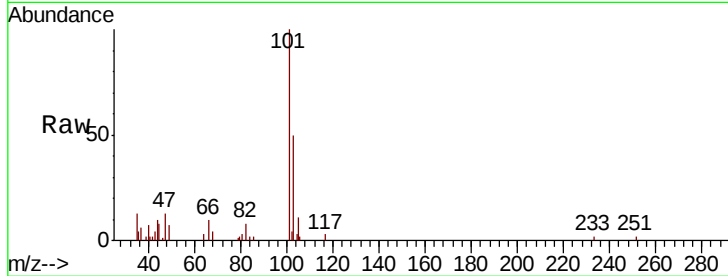
57 60.3 41.4 62.2





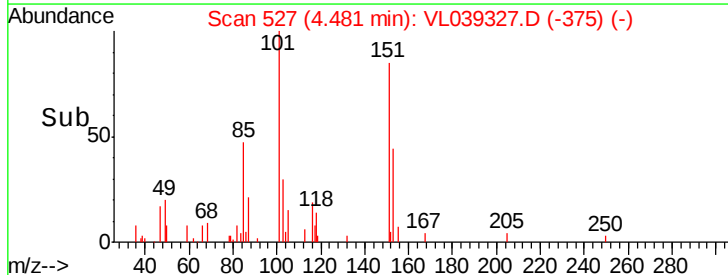
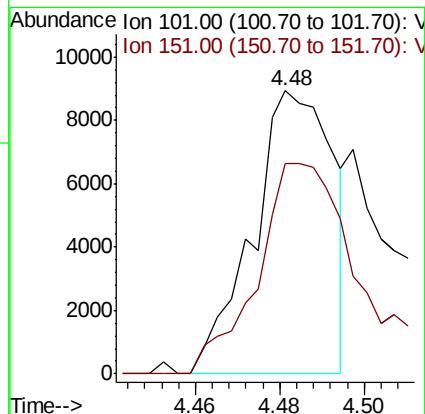
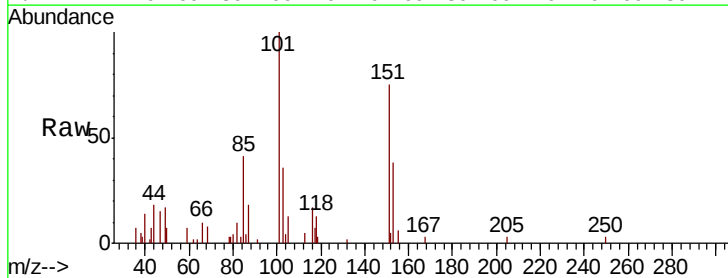
#11
 Trichlorofluoromethane
 Concen: 0.040 ppbv
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 LOD-MDL-AIR-01-OT2-2022
 Acq: 22 Jun 2022 19:35

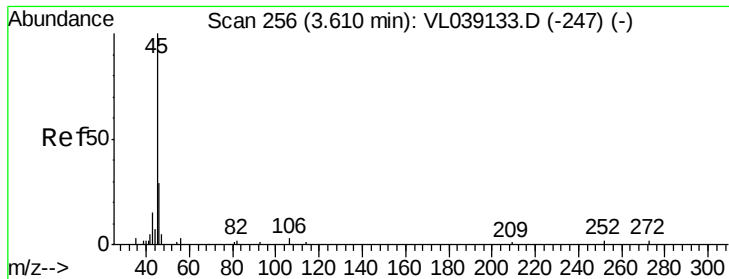
Tot Ion:101 Resp: 7173
 Ion Ratio Lower Upper
 101 100
 103 54.8 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.099 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

Tgt Ion:101 Resp: 11773
 Ion Ratio Lower Upper
 101 100
 151 99.8 59.4 89.0#





#13

Ethanol

Concen: 0.111 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

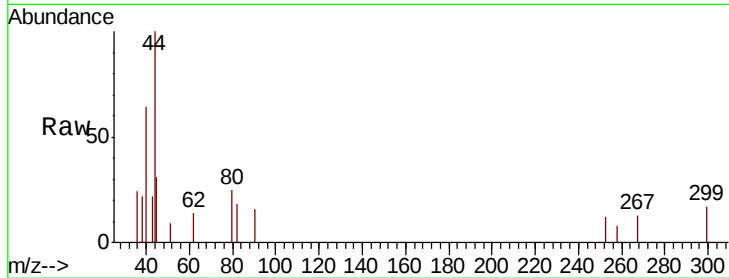
Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-OT2-2022

Tot Ion: 45 Resp: 381

Ion Ratio Lower Upper

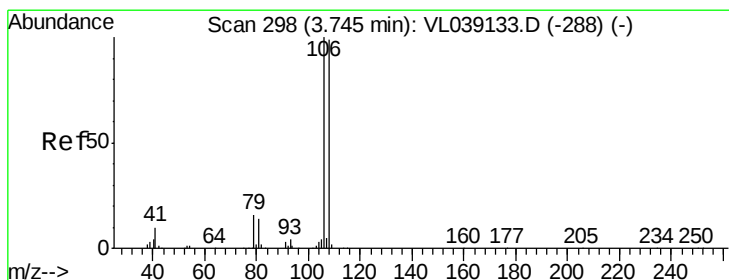
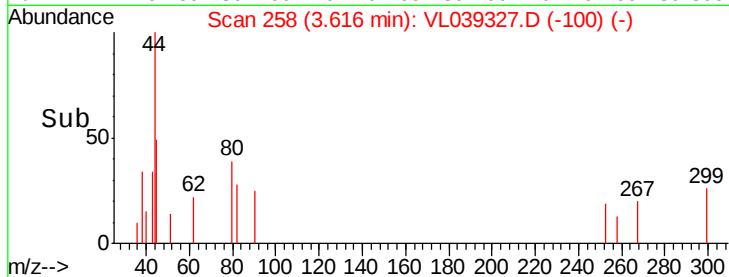
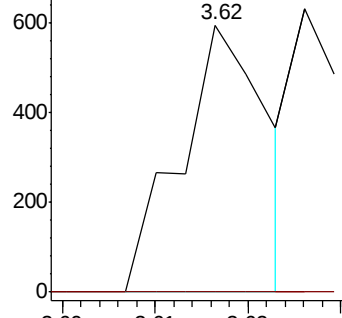
45 100

46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.131 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.00 min

Lab File: VL039327.D

Acq: 22 Jun 2022 19:35

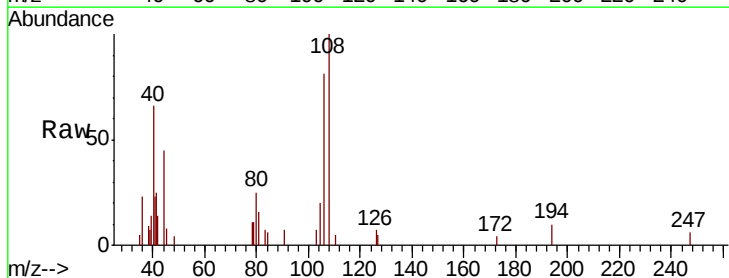
Tgt Ion: 108 Resp: 7019

Ion Ratio Lower Upper

108 100

106 106.2 88.4 132.6

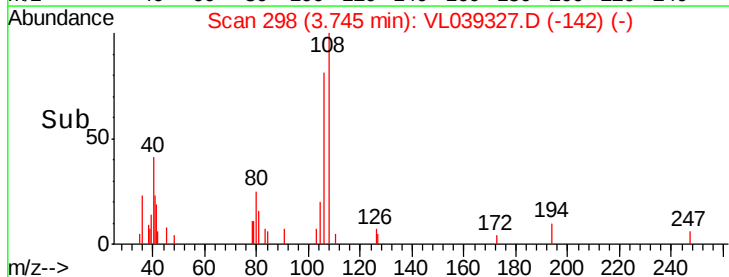
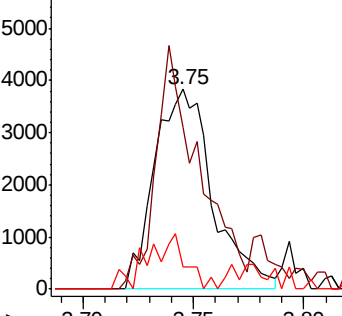
79 27.0 13.4 20.2#

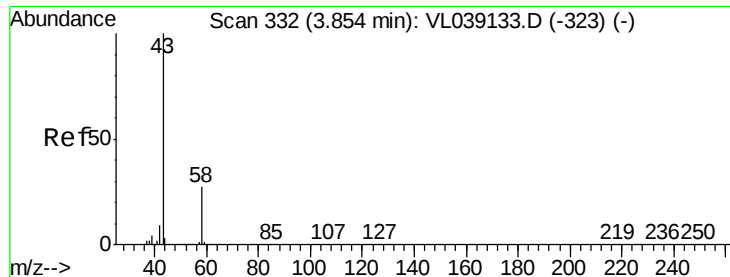


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.084 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

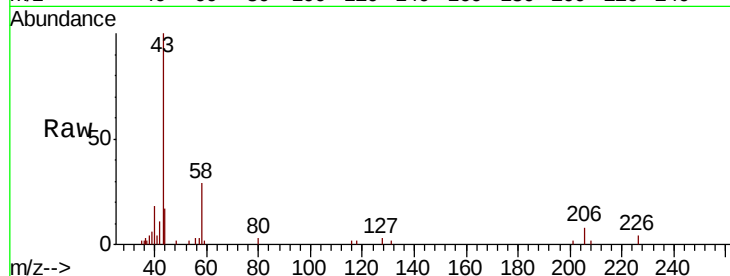
Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 43 Resp: 9906

Ion Ratio Lower Upper

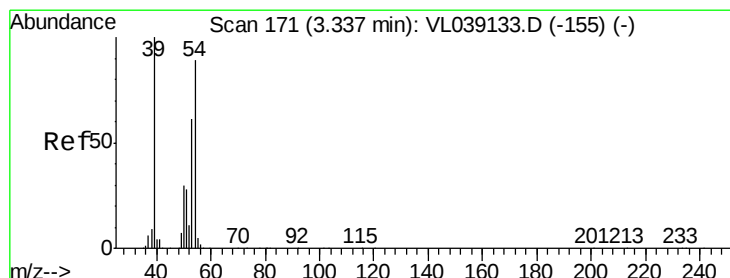
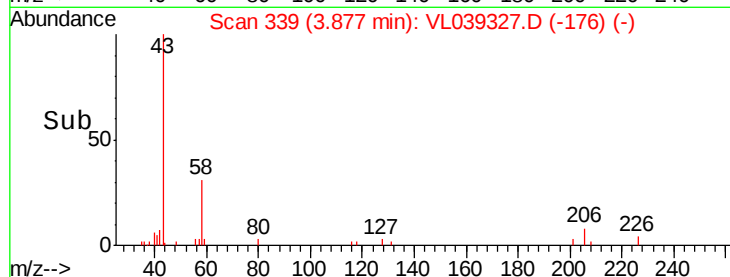
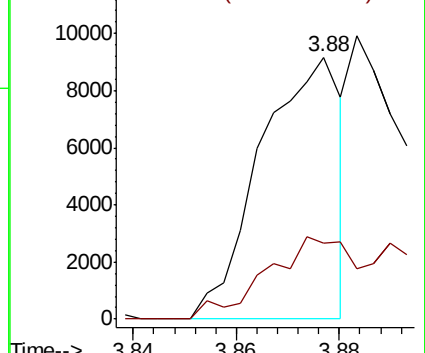
43 100

58 62.8 22.5 33.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.085 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL039327.D

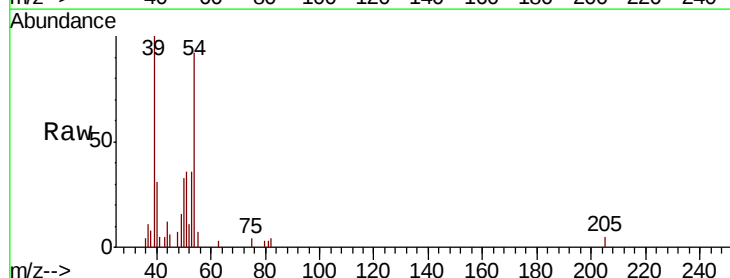
Acq: 22 Jun 2022 19:35

Tgt Ion: 39 Resp: 5375

Ion Ratio Lower Upper

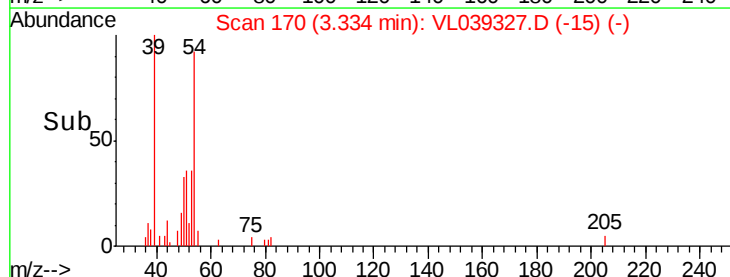
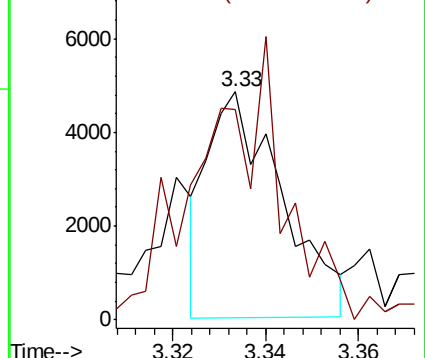
39 100

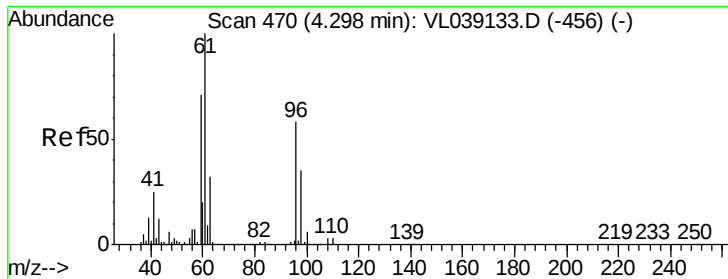
54 145.8 65.8 98.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

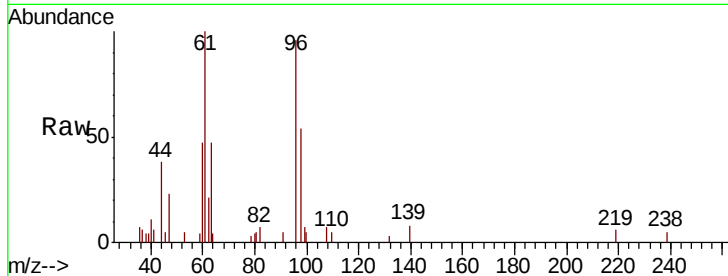
Ion 54.10 (53.80 to 54.80): VL0



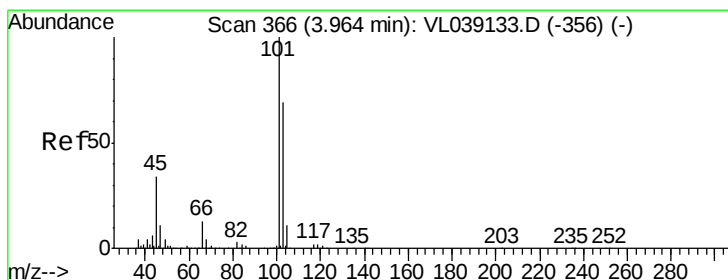
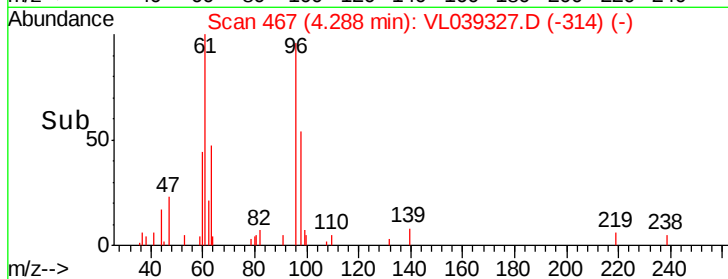
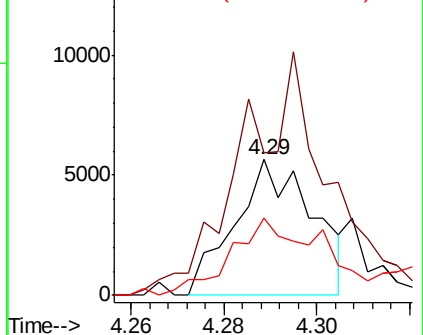


#18
 1,1-Dichloroethene
 Concen: 0.123 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 22 Jun 2022 19:35
 LOD-MDL-AIR-01-OT2-2022

Tot Ion	96	Resp:	6592
Ion	Ratio	Lower	Upper
96	100		
61	88.3	138.4	207.6#
98	45.2	47.8	71.8#

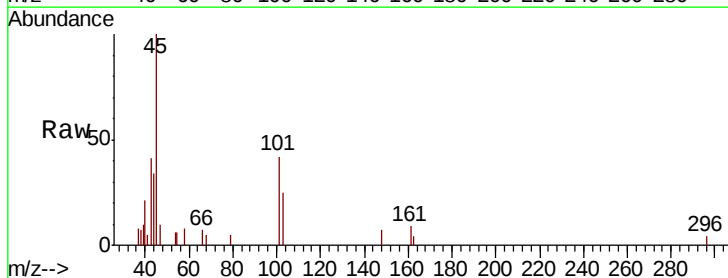


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

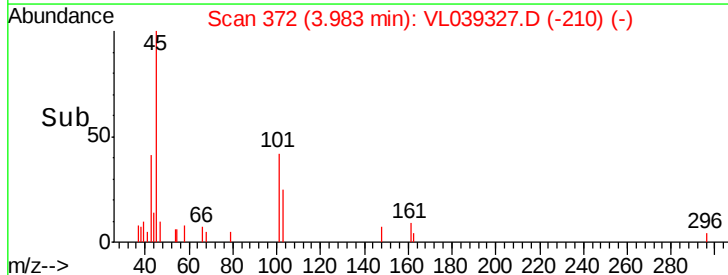
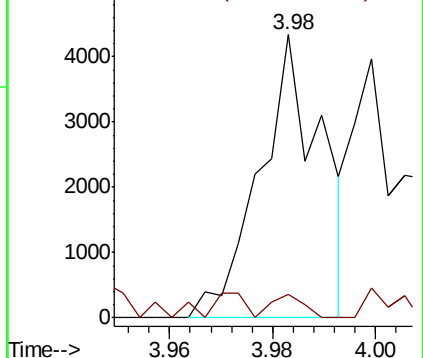


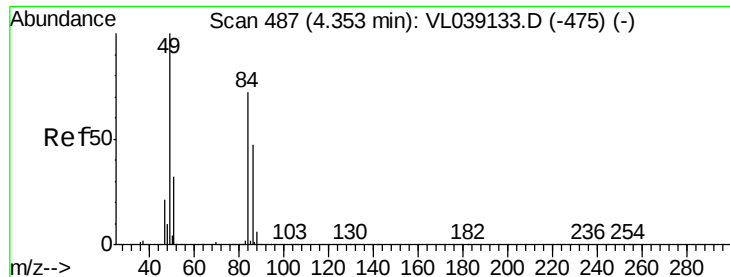
#19
 Isopropyl Alcohol
 Concen: 0.065 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

Tgt Ion	45	Resp:	3582
Ion	Ratio	Lower	Upper
45	100		
58	9.7	1.8	2.8#



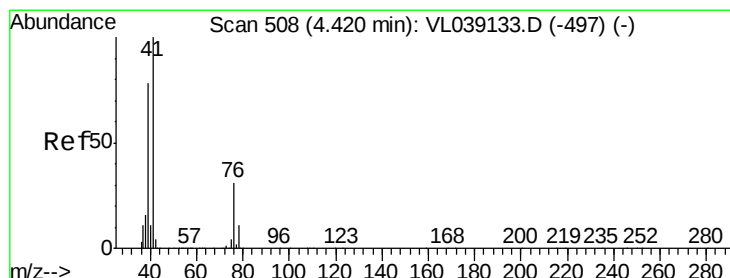
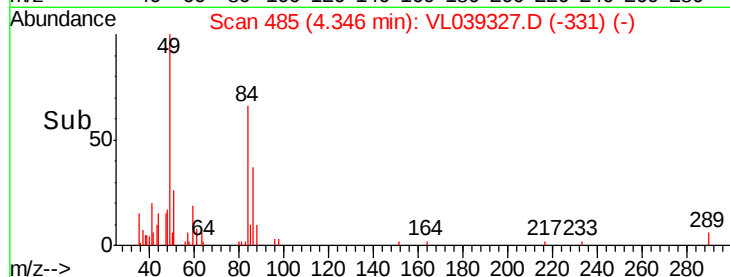
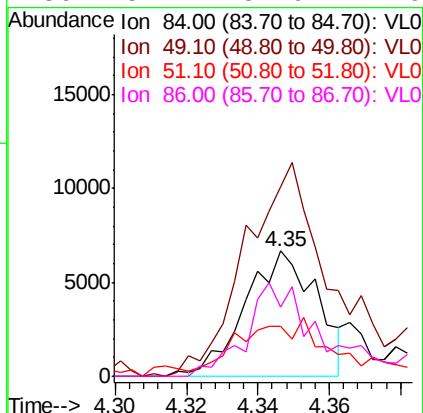
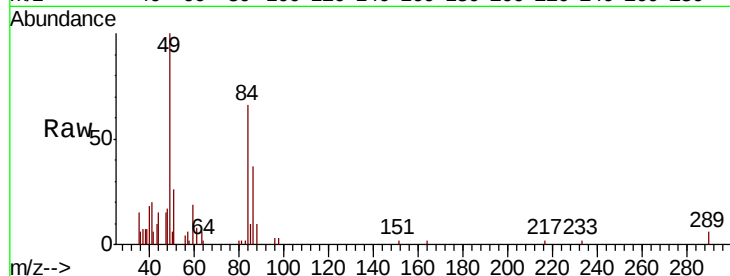
Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0





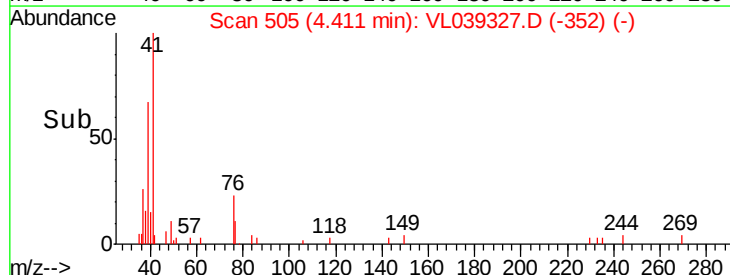
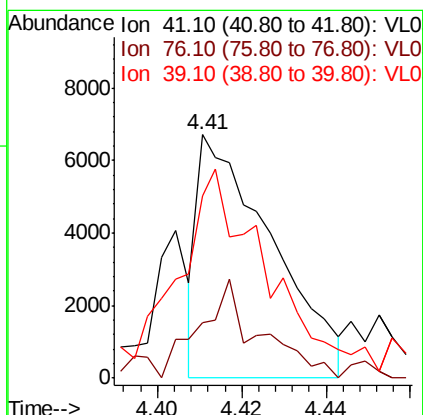
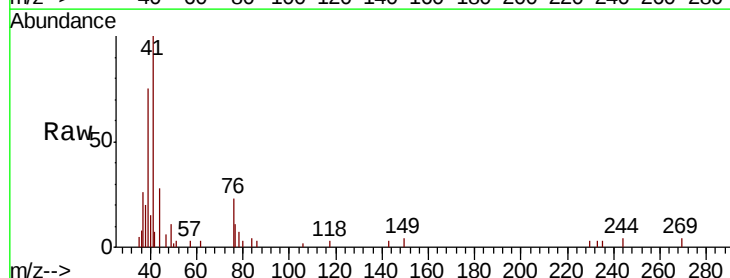
#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
ClientSampleId:
Lab File: LOD-MDL-AIR-01-QT2-2022
Acq: 22 Jun 2022 19:35

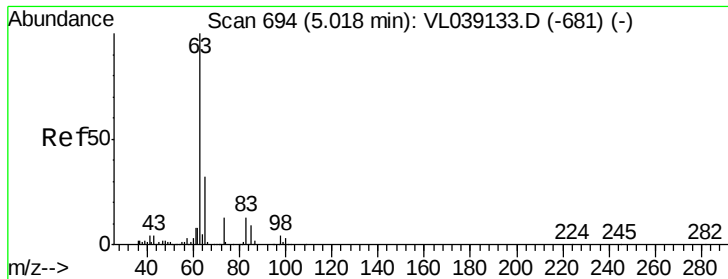
Tot Ion:	84	Resp:	9233
Ion	Ratio	Lower	Upper
84	100		
49	139.8	111.1	166.7
51	36.2	35.3	52.9
86	57.4	51.9	77.9



#21
Allyl Chloride
Concen: 0.103 ppbv
RT: 4.41 min Scan# 505
Delta R.T.: -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

Tgt Ion:	41	Resp:	8222
Ion	Ratio	Lower	Upper
41	100		
76	38.6	24.2	36.2#
39	125.4	62.2	93.2#





#24

1,1-Dichloroethane

Concen: 0.065 ppbv

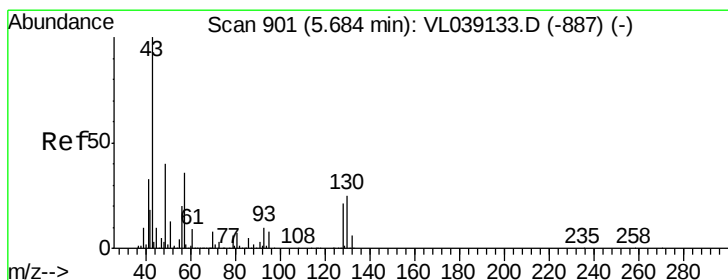
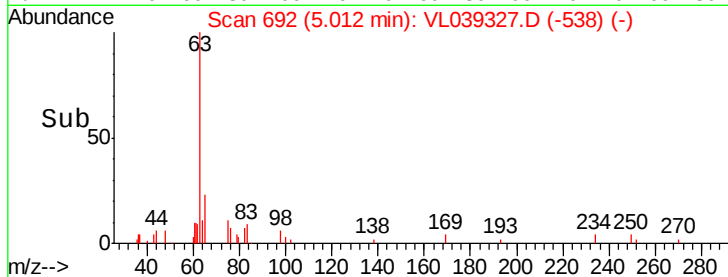
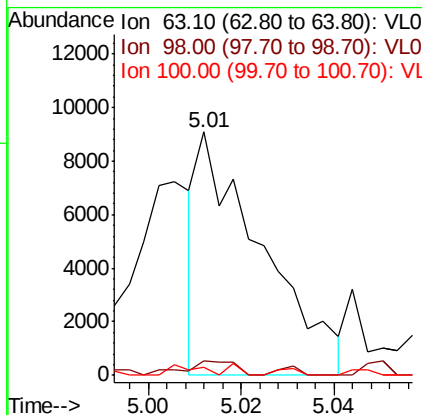
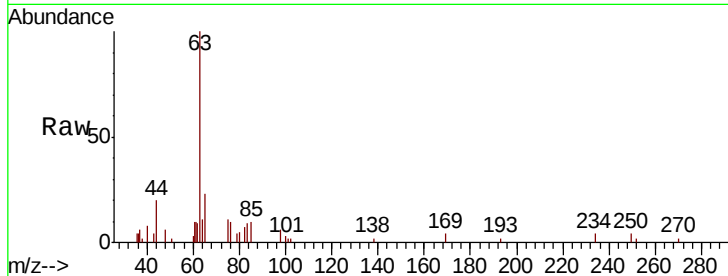
RT: 5.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

Tot Ion:	63	Resp:	8682
Ion	Ratio	Lower	Upper
63	100		
98	7.4	2.1	6.2#
100	3.7	1.5	4.5



#25

Ethyl Acetate

Concen: 0.059 ppbv

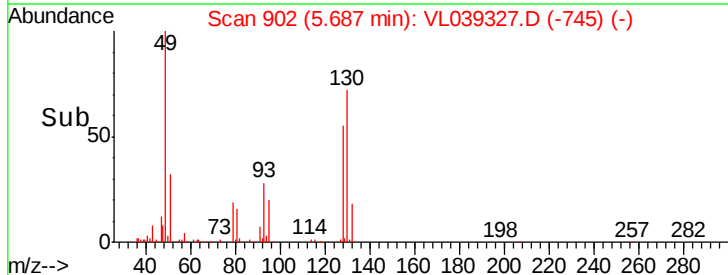
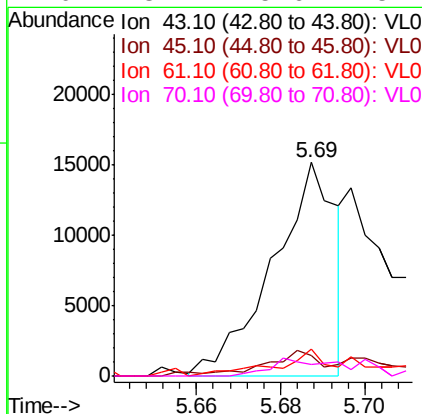
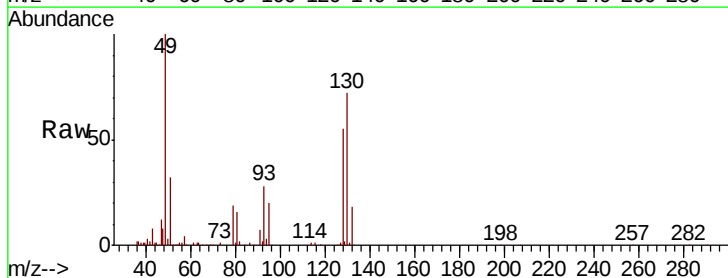
RT: 5.69 min Scan# 902

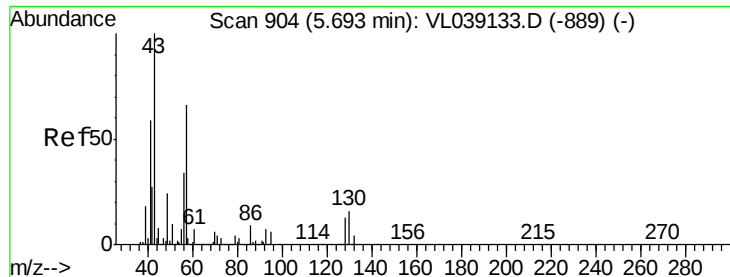
Delta R.T. 0.00 min

Lab File: VL039327.D

Acq: 22 Jun 2022 19:35

Tgt Ion:	43	Resp:	15742
Ion	Ratio	Lower	Upper
43	100		
45	23.3	8.2	12.2#
61	26.0	8.4	12.6#
70	13.4	5.6	8.4#





#26

Hexane

Concen: 0.081 ppbv

RT: 5.69

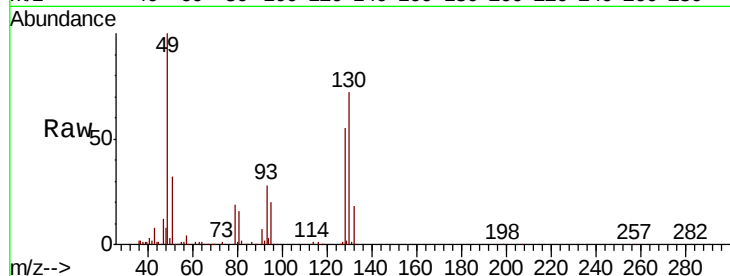
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

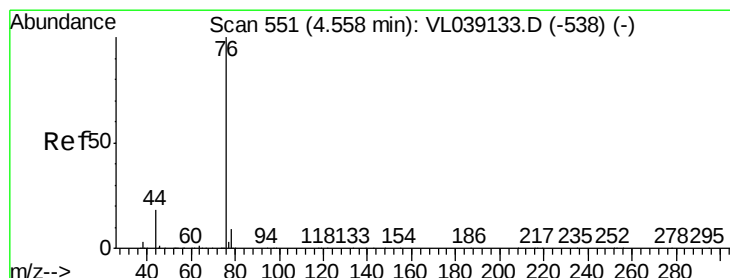
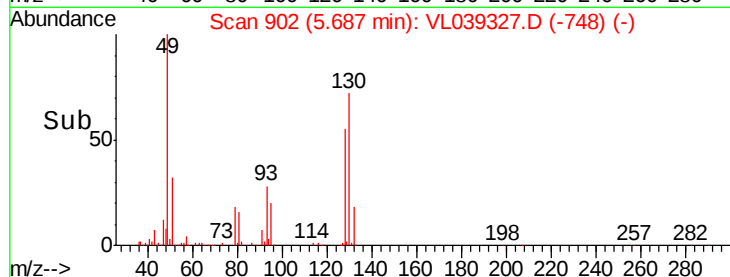
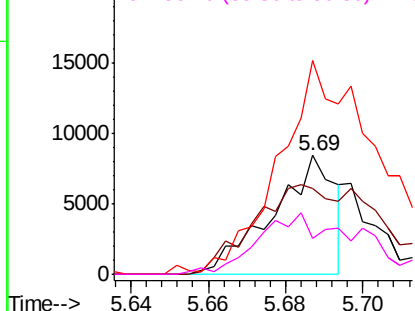
Acq: 22 Jun 2022 19:35

Tot Ion: 57 Resp: 9471

Ion	Ratio	Lower	Upper
57	100		
41	153.8	72.4	108.6#
43	366.7	187.0	280.6#
56	86.9	41.8	62.6#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.093 ppbv

RT: 4.55 min Scan# 548

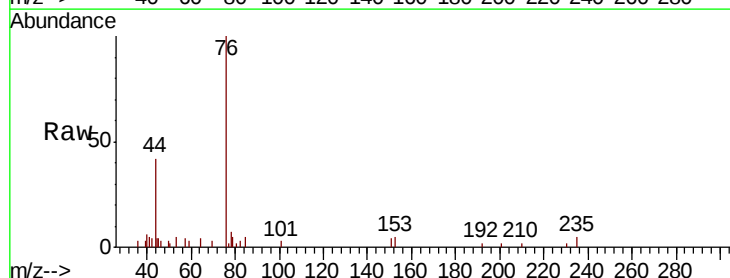
Delta R.T. -0.01 min

Lab File: VL039327.D

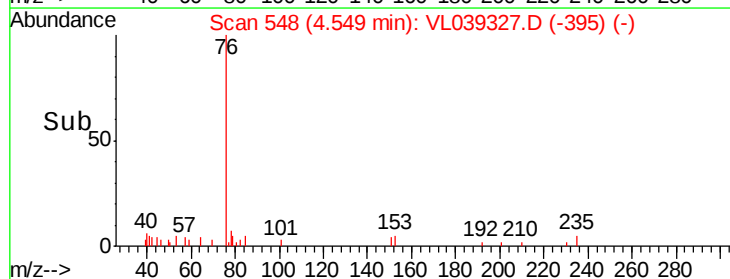
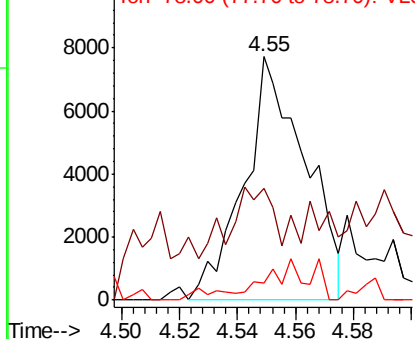
Acq: 22 Jun 2022 19:35

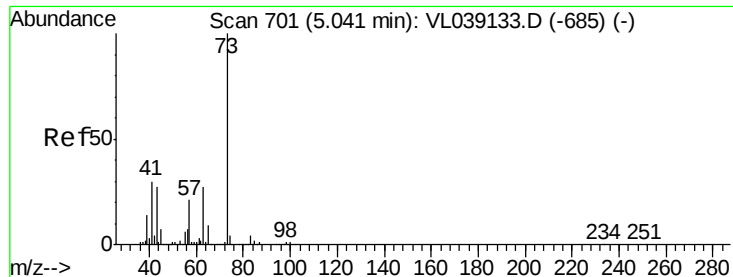
Tgt Ion: 76 Resp: 11305

Ion	Ratio	Lower	Upper
76	100		
44	67.8	14.4	21.6#
78	0.0	7.7	11.5#



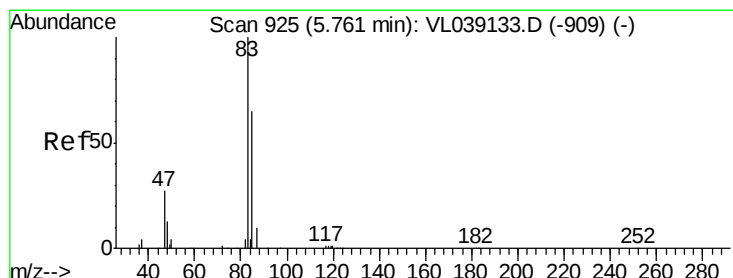
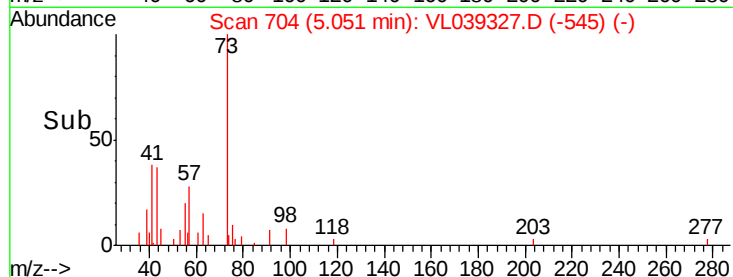
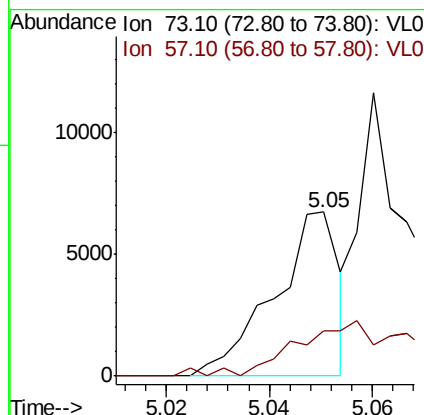
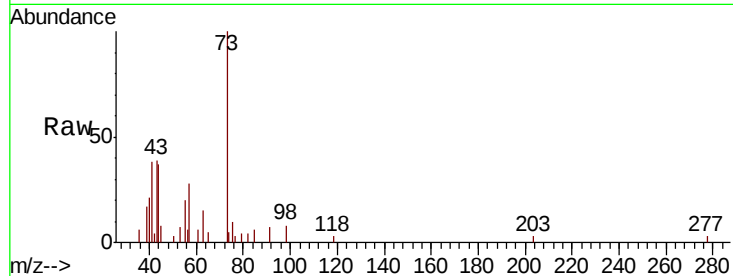
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





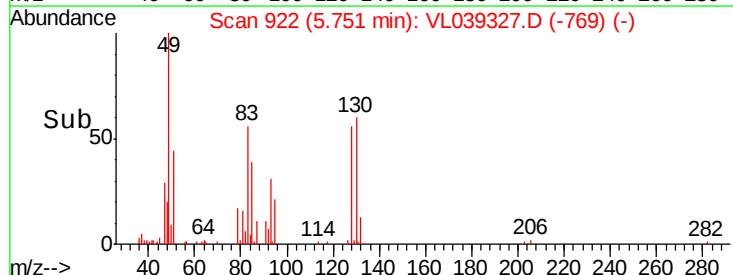
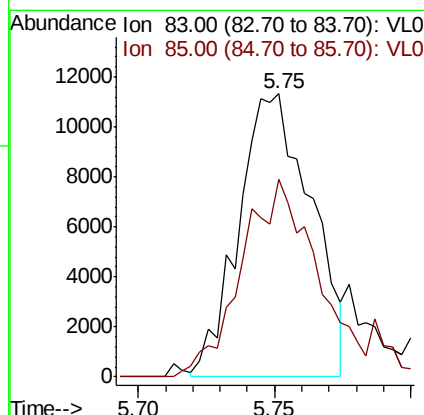
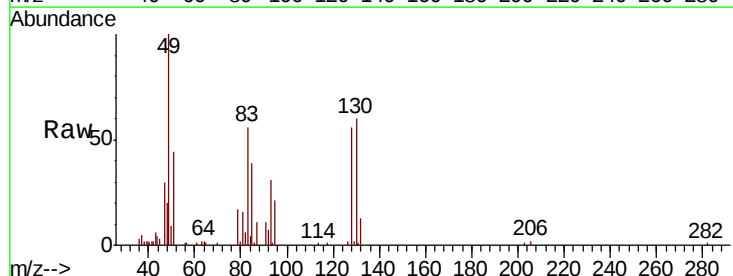
#28
Methvl tert-Butvl Ether
Concen: 0.045 ppbv
RT: 5.05
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Jun 2022 19:35

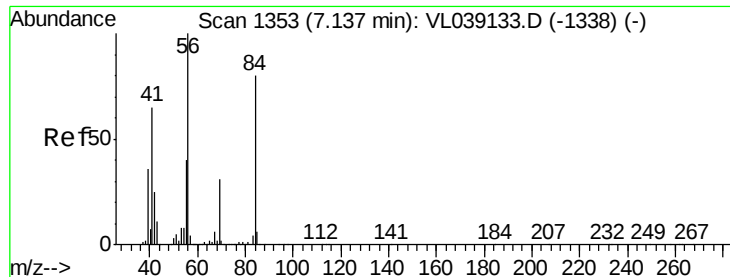
Tot Ion: 73 Resp: 5825
Ion Ratio Lower Upper
73 100
57 0.0 18.6 27.8#



#29
Chloroform
Concen: 0.106 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

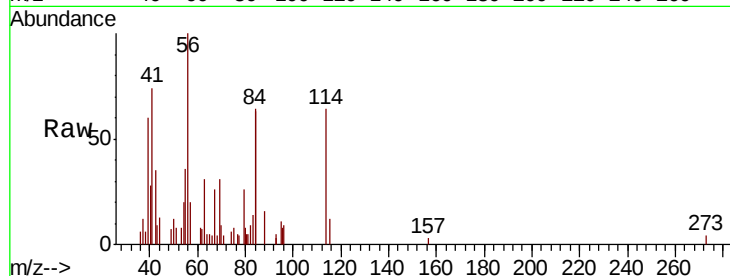
Tgt Ion: 83 Resp: 20889
Ion Ratio Lower Upper
83 100
85 67.2 52.4 78.6



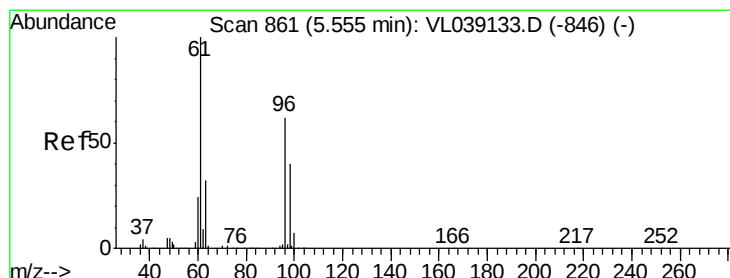
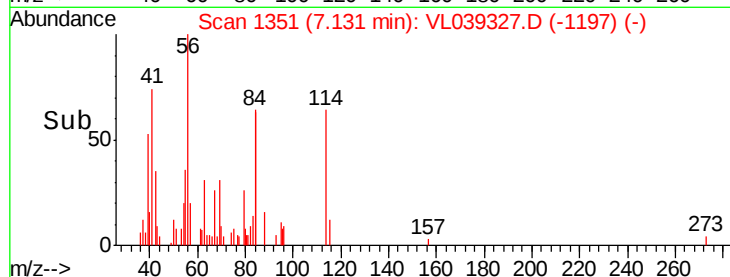
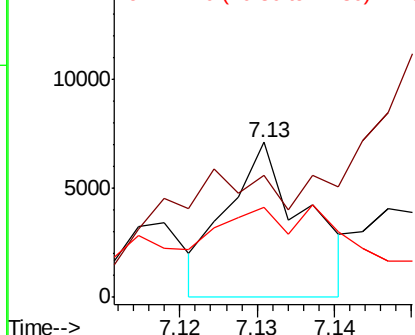


#30
Cvclohexane
Concen: 0.051 ppbv
RT: 7.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 22 Jun 2022 19:35

Tot Ion: 84 Resp: 5015
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 185.9 68.9 103.3#

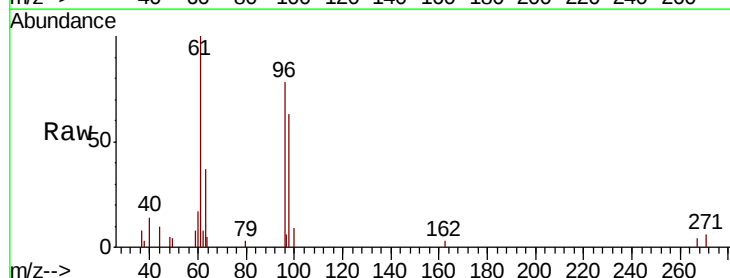


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

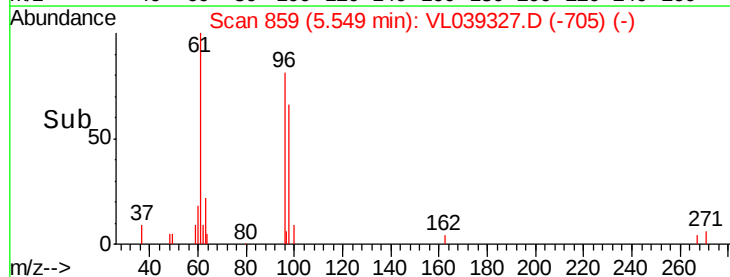
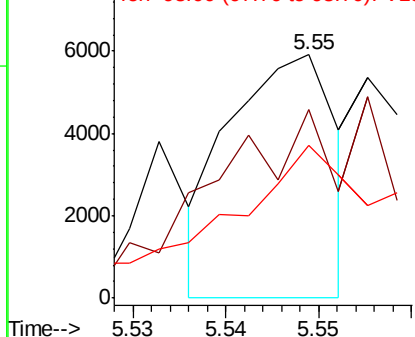


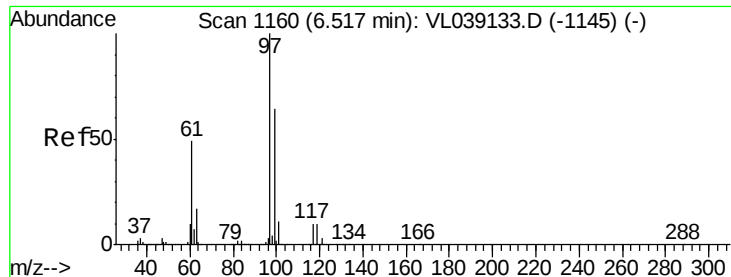
#31
cis-1,2-Dichloroethene
Concen: 0.040 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

Tgt Ion: 61 Resp: 4713
Ion Ratio Lower Upper
61 100
96 55.1 49.9 74.9
98 63.4 32.0 48.0#



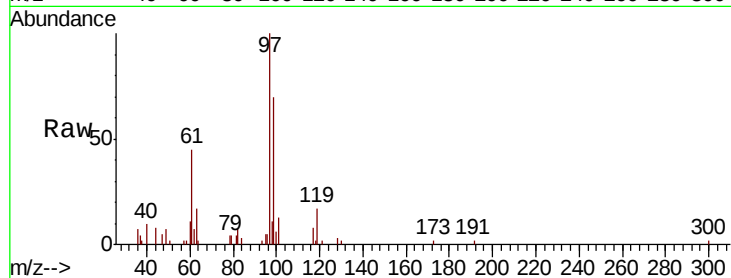
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



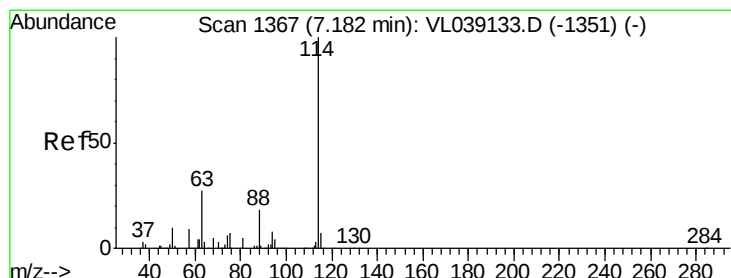
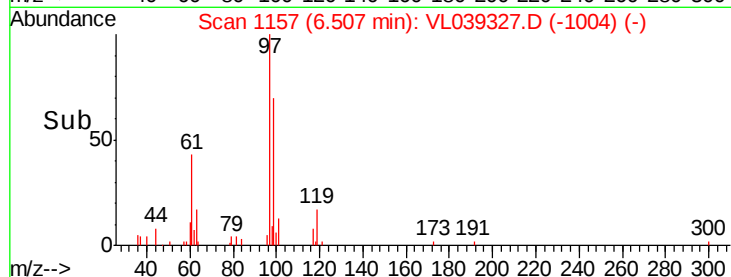
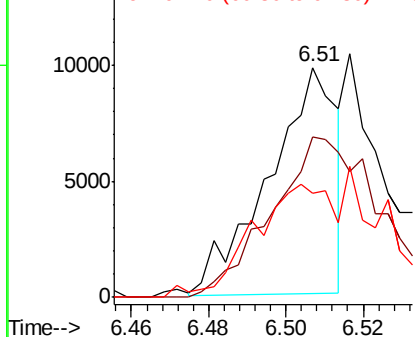


#32
 1,1,1-Trichloroethane
 Concen: 0.062 ppbv
 RT: 6.51 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 22 Jun 2022 19:35

Tot Ion: 97 Resp: 11926
 Ion Ratio Lower Upper
 97 100
 99 125.3 52.1 78.1#
 61 0.0 40.0 60.0#

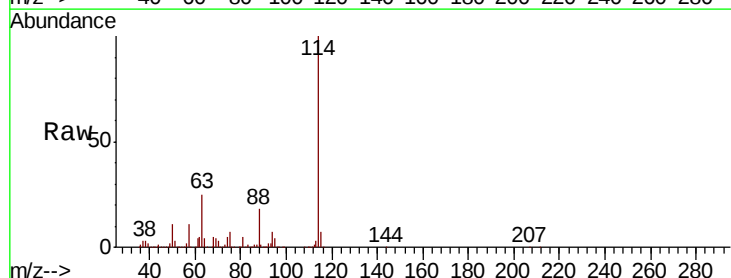


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

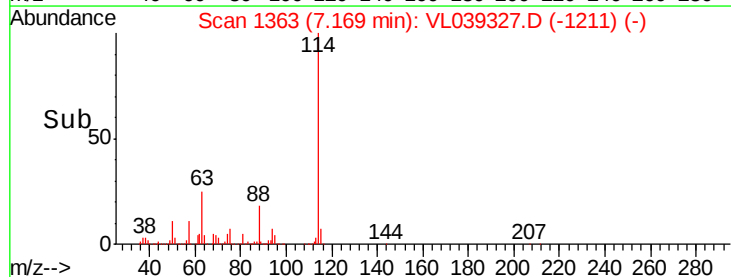
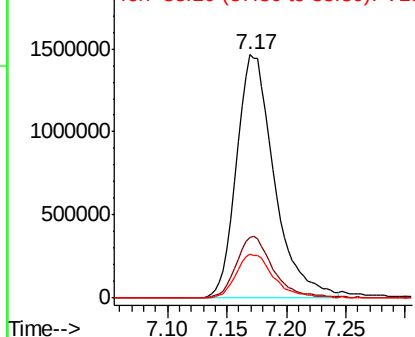


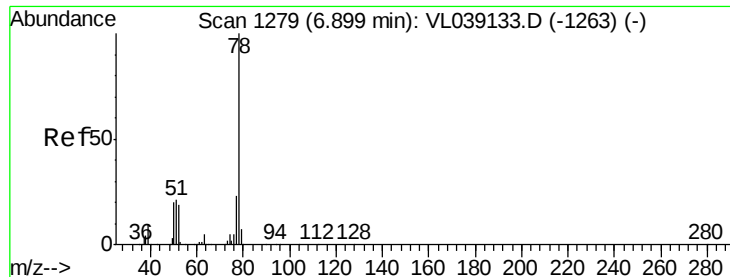
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

Tgt Ion: 114 Resp: 3227823
 Ion Ratio Lower Upper
 114 100
 63 25.3 21.7 32.5
 88 18.4 14.8 22.2



Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.059 ppbv

RT: 6.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

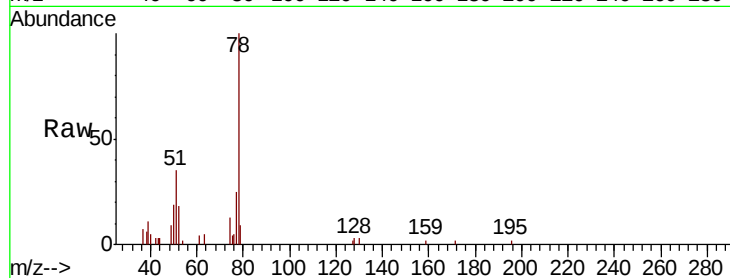
Tot Ion: 78 Resp: 15552

Ion Ratio Lower Upper

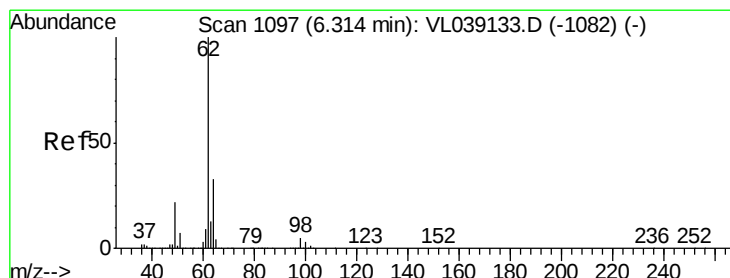
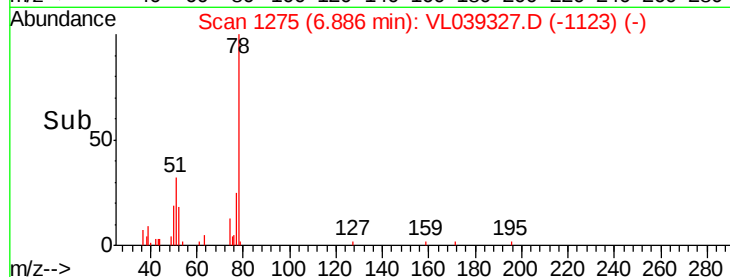
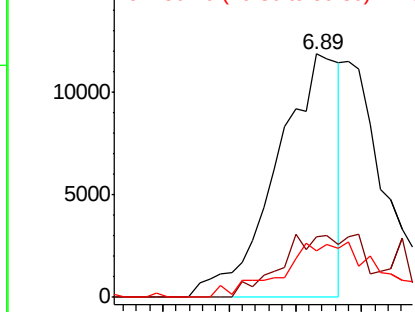
78 100

77 25.1 18.6 27.8

50 19.2 15.8 23.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.040 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VL039327.D

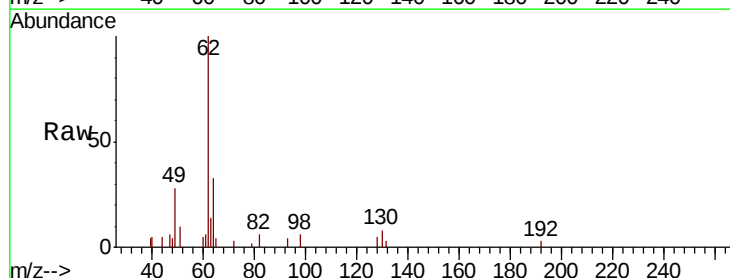
Acq: 22 Jun 2022 19:35

Tgt Ion: 62 Resp: 6883

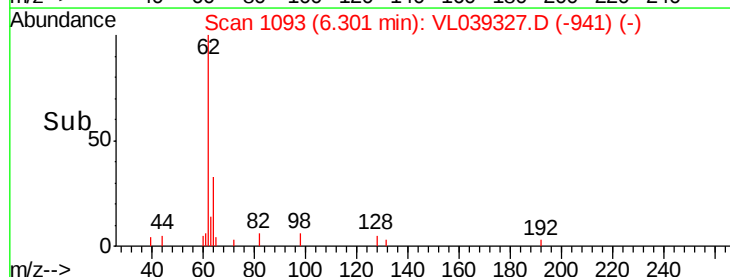
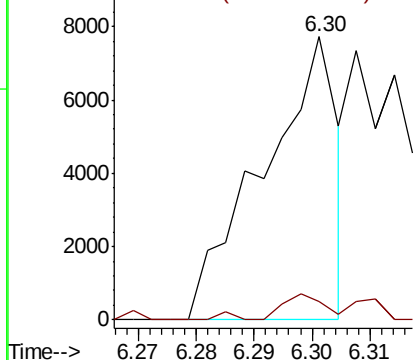
Ion Ratio Lower Upper

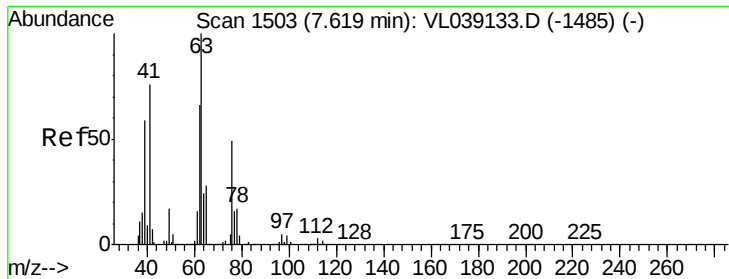
62 100

98 9.5 4.3 6.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 7.422 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

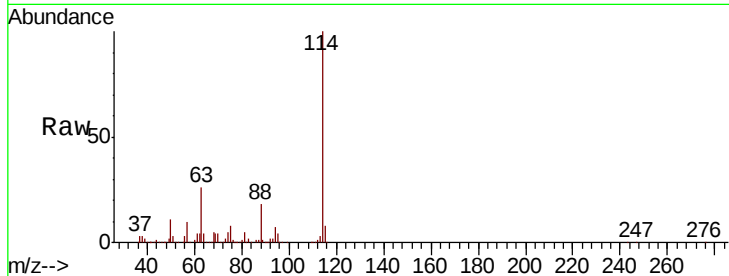
Tot Ion: 63 Resp: 773581

Ion Ratio Lower Upper

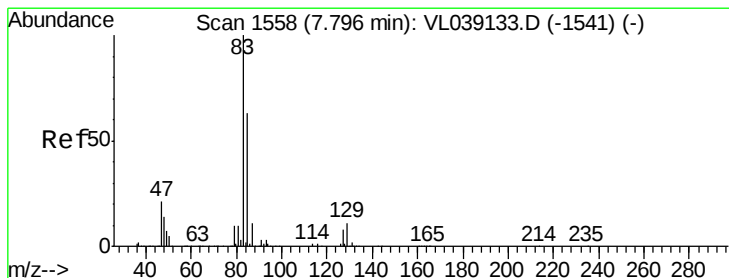
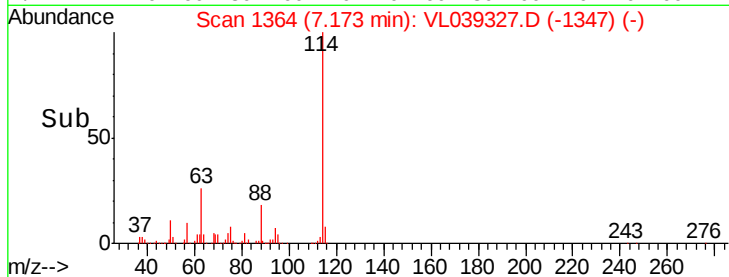
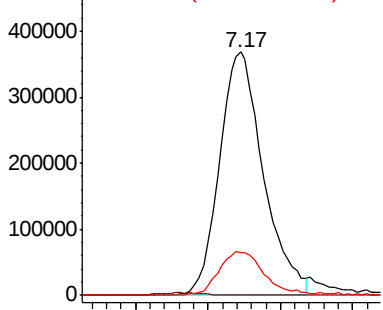
63 100

41 0.2 60.8 91.2#

62 17.3 52.9 79.3#



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



#42

Bromodichloromethane

Concen: 0.067 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL039327.D

Acq: 22 Jun 2022 19:35

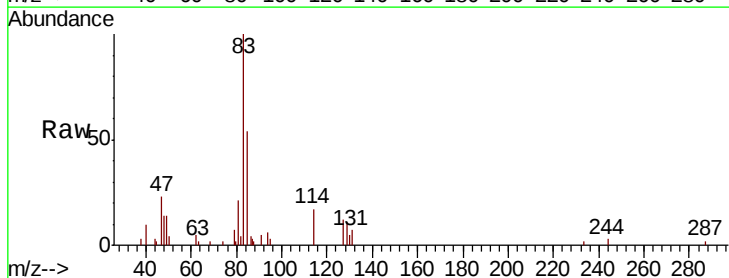
Tgt Ion: 83 Resp: 16045

Ion Ratio Lower Upper

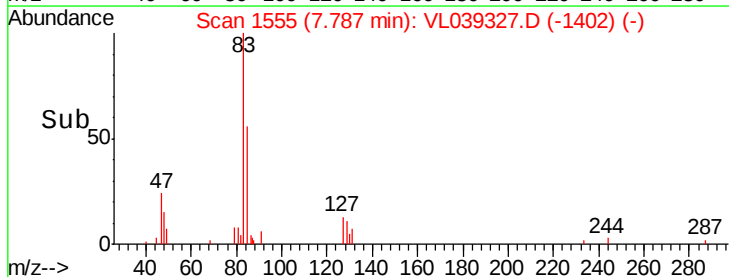
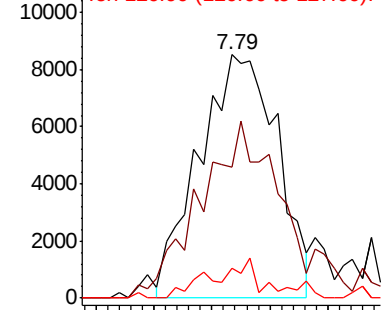
83 100

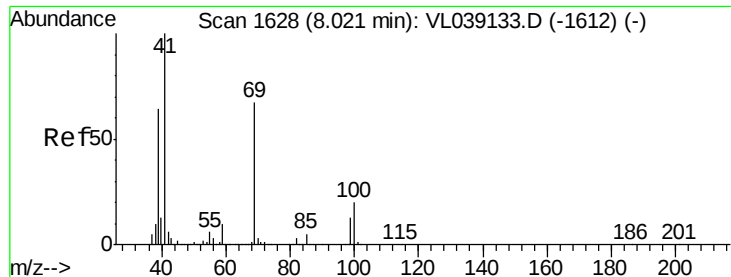
85 47.9 50.2 75.4#

127 13.0 6.6 9.8#



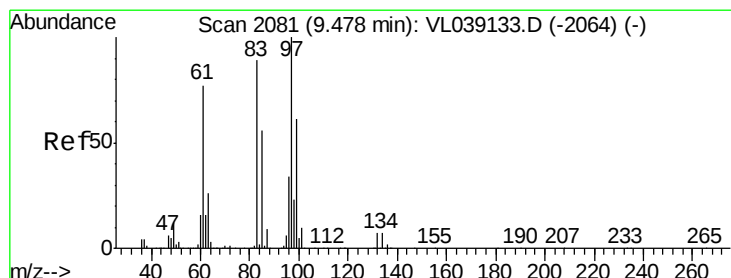
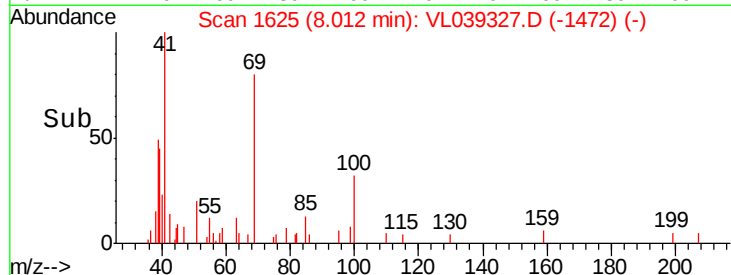
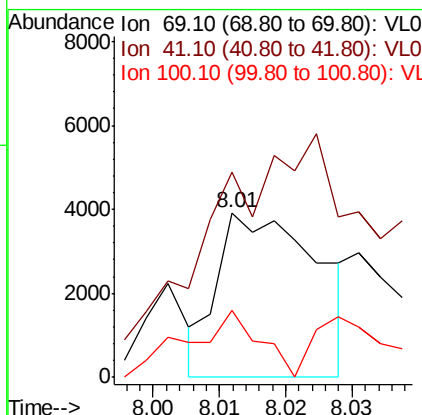
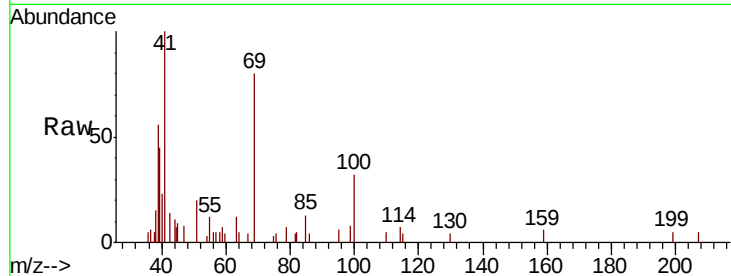
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





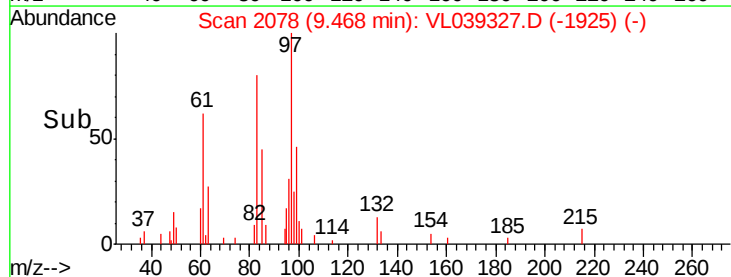
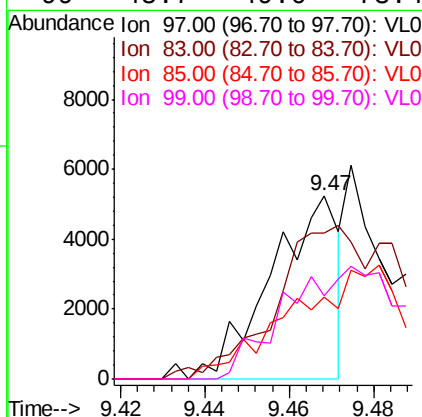
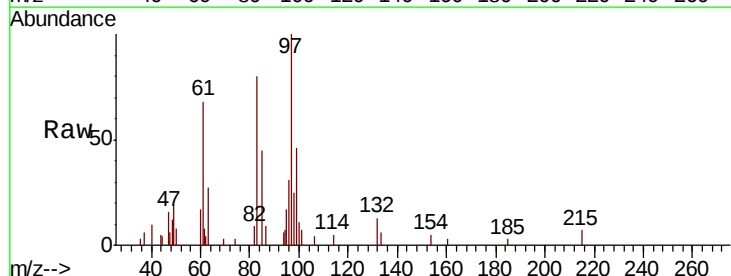
#43
Methyl Methacrylate
Concen: 0.040 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: LOD-MDL-AIR-01-QT2-2022
Acq: 22 Jun 2022 19:35

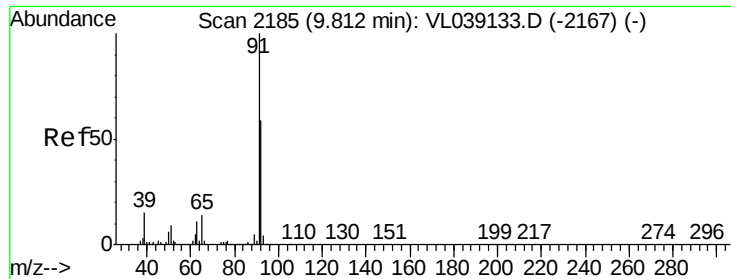
Tot Ion: 69 Resp: 4107
Ion Ratio Lower Upper
69 100
41 0.0 121.9 182.9#
100 0.0 24.1 36.1#



#47
1,1,2-Trichloroethane
Concen: 0.054 ppbv
RT: 9.47 min Scan# 2078
Delta R.T. -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

Tgt Ion: 97 Resp: 5820
Ion Ratio Lower Upper
97 100
83 73.4 71.6 107.4
85 45.0 44.8 67.2
99 45.7 49.0 73.4#





#53

Toluene

Concen: 0.056 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

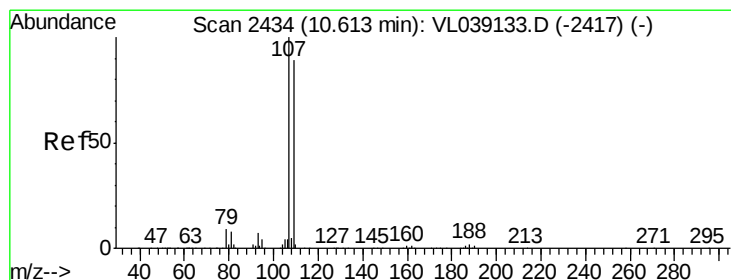
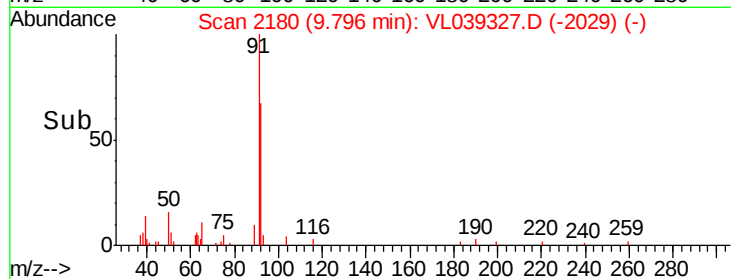
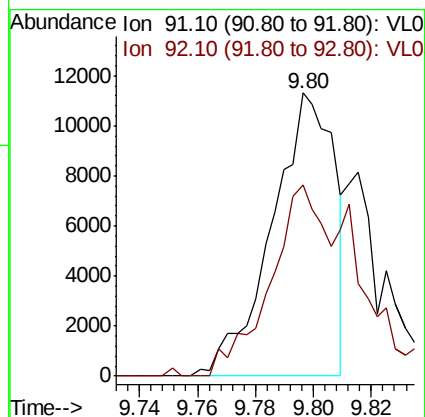
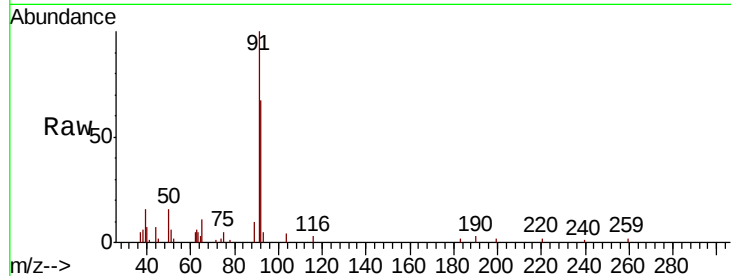
Acq: 22 Jun 2022 19:35 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 91 Resp: 16917

Ion Ratio Lower Upper

91 100

92 99.1 48.1 72.1#



#54

1,2-Dibromoethane

Concen: 0.071 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.01 min

Lab File: VL039327.D

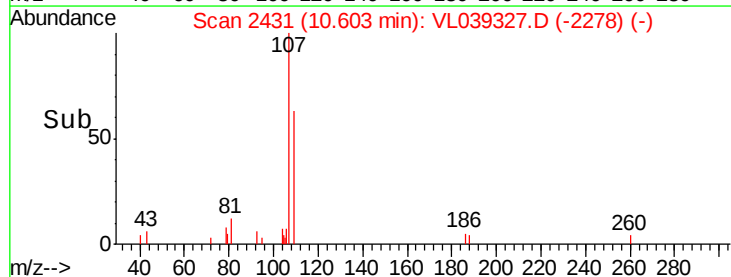
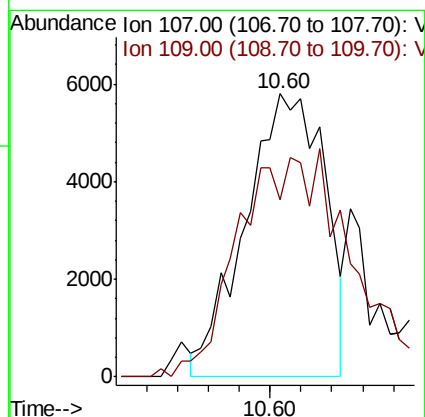
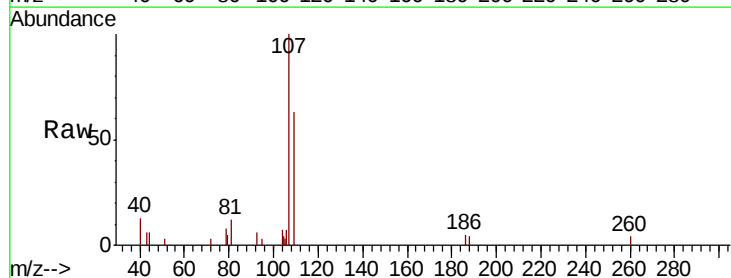
Acq: 22 Jun 2022 19:35

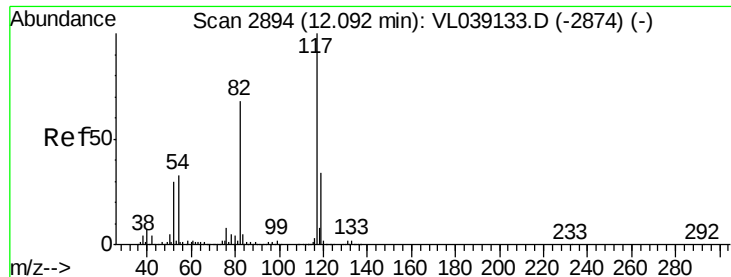
Tgt Ion: 107 Resp: 10354

Ion Ratio Lower Upper

107 100

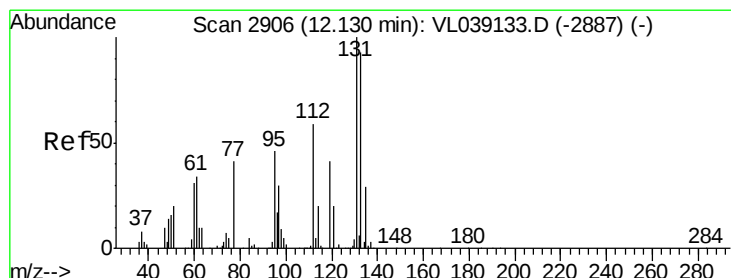
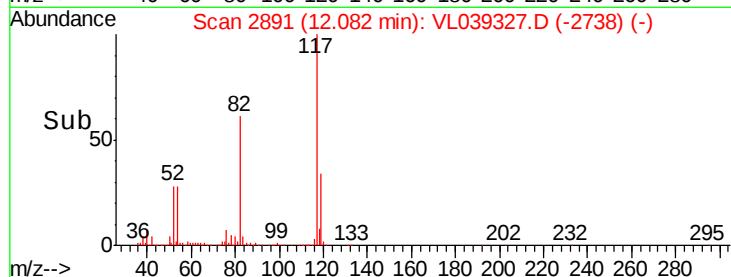
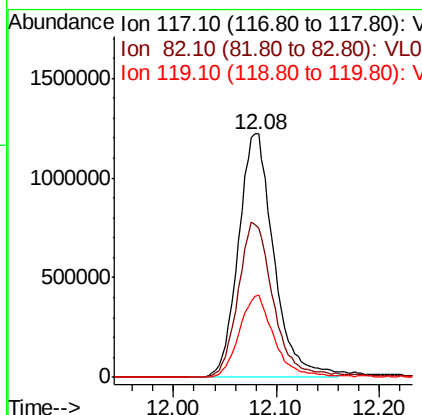
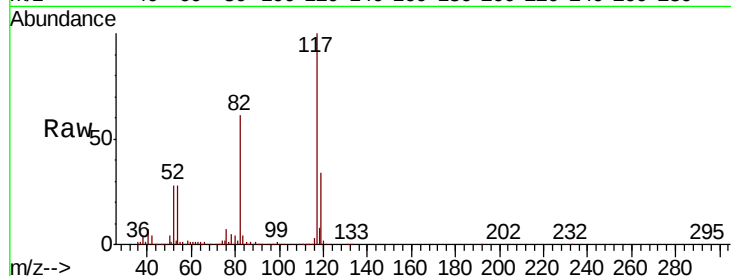
109 61.9 71.4 107.0#





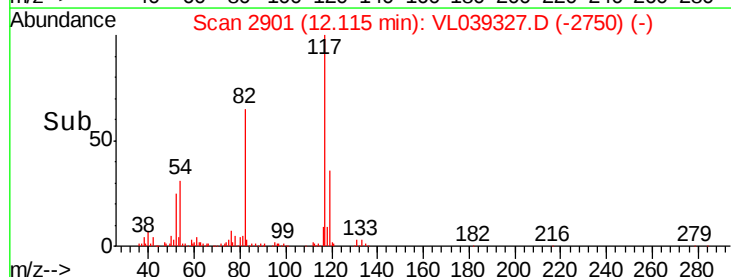
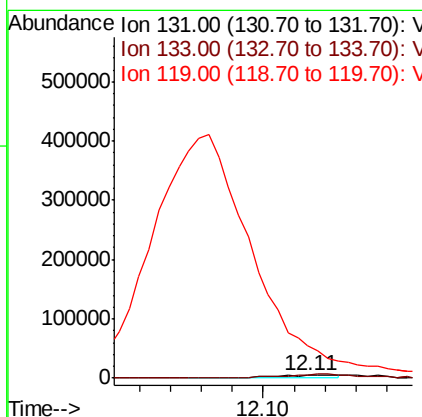
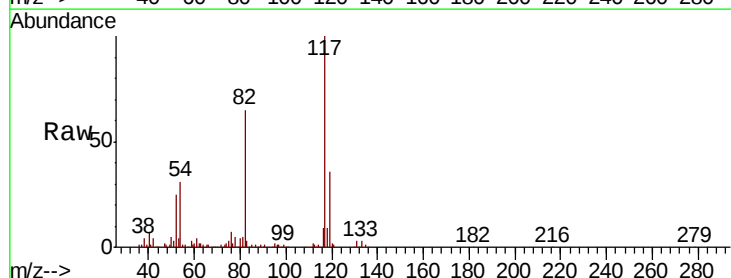
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Jun 2022 19:35
LOD-MDL-AIR-01-QT2-2022

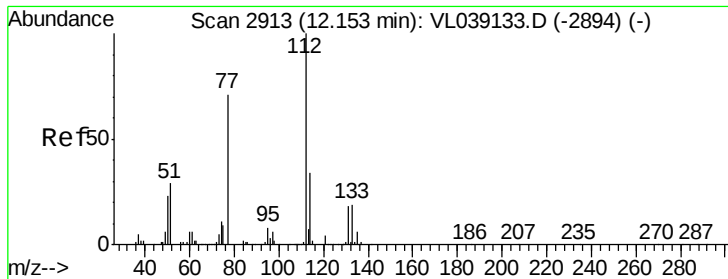
Tot Ion:117 Resp: 2918355
Ion Ratio Lower Upper
117 100
82 65.3 55.1 82.7
119 34.2 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.056 ppbv
RT: 12.11 min Scan# 2901
Delta R.T.: -0.02 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

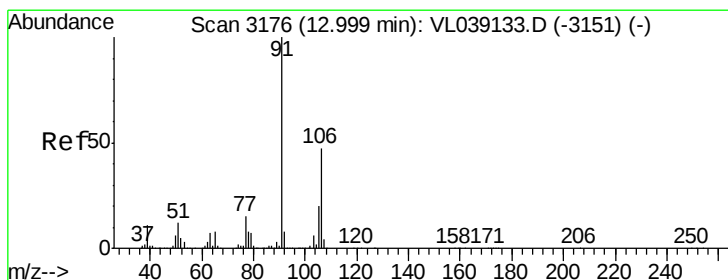
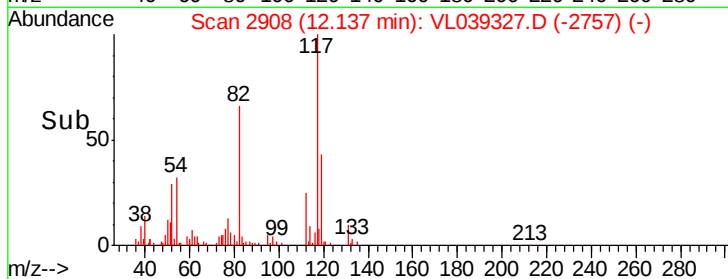
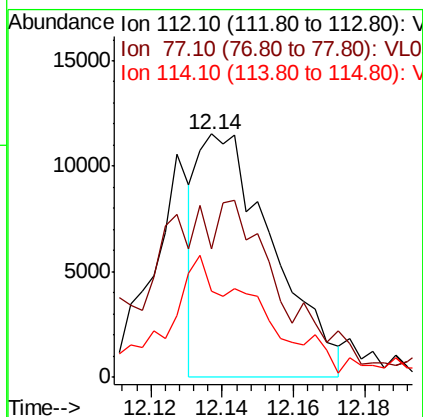
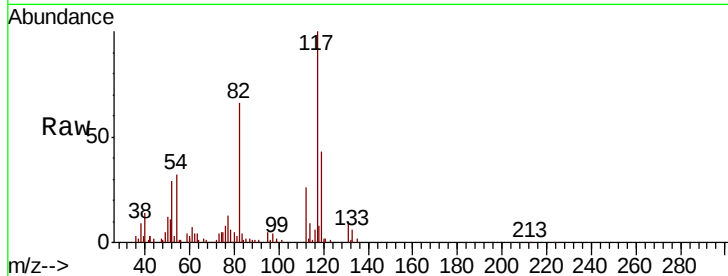
Tgt Ion:131 Resp: 7703
Ion Ratio Lower Upper
131 100
133 172.3 78.6 117.8#
119 0.0 51.7 77.5#





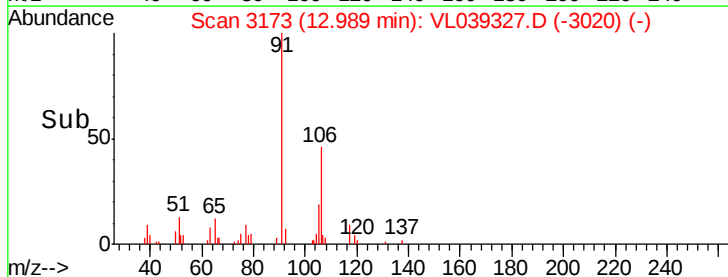
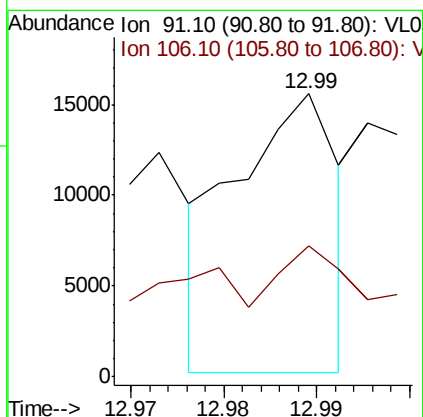
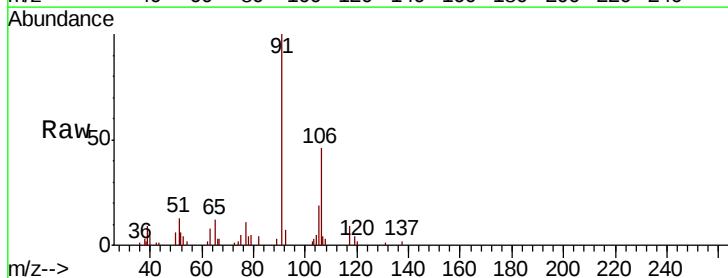
#57
Chlorobenzene
Concen: 0.077 ppbv
RT: 12.14 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 22 Jun 2022 19:35
LOD-MDL-AIR-01-QT2-2022

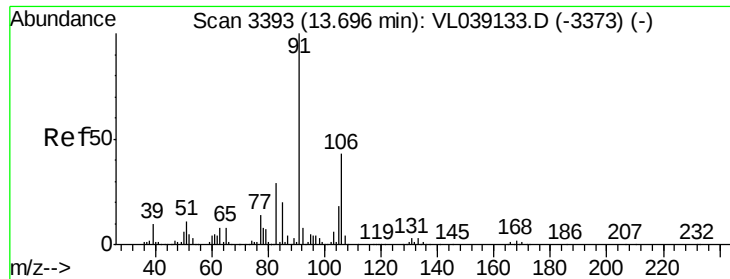
Tot Ion: 112 Resp: 16820
Ion Ratio Lower Upper
112 100
77 38.4 56.5 84.7#
114 38.9 30.3 37.1#



#59
m/p-Xylene
Concen: 0.033 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

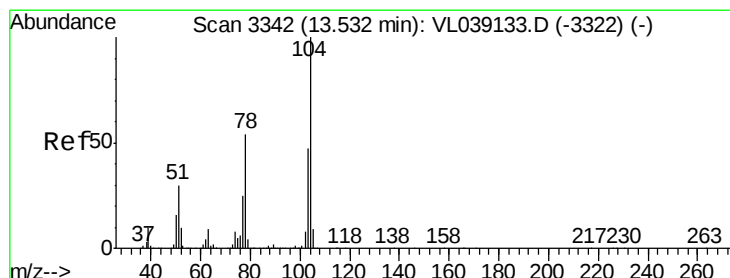
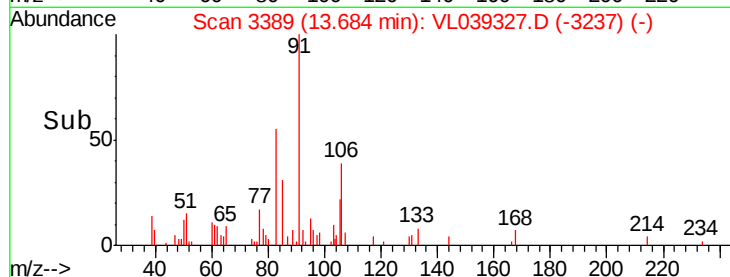
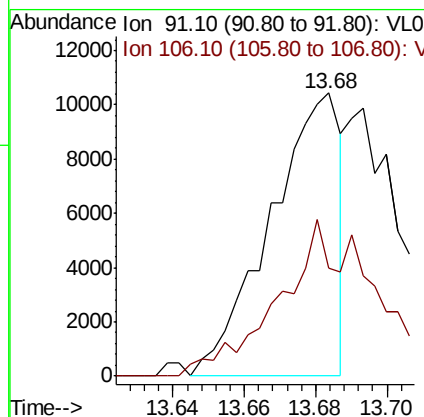
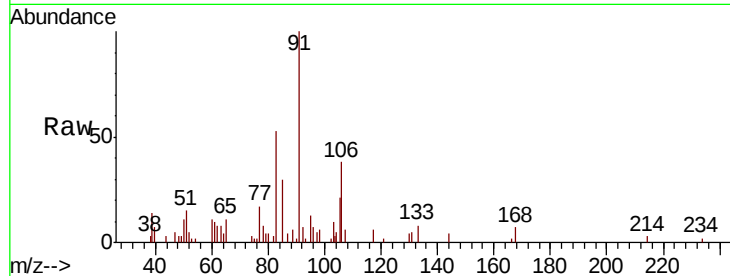
Tgt Ion: 91 Resp: 11832
Ion Ratio Lower Upper
91 100
106 206.3 34.3 51.5#





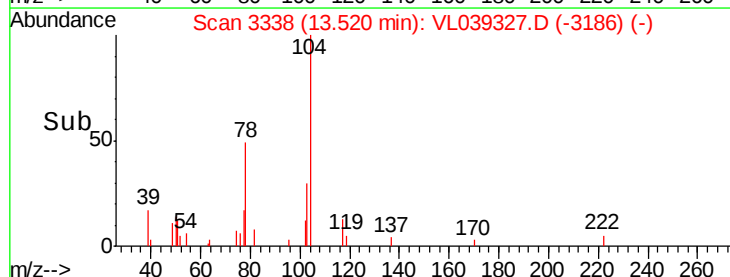
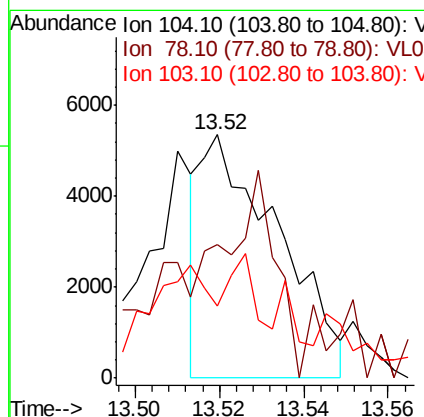
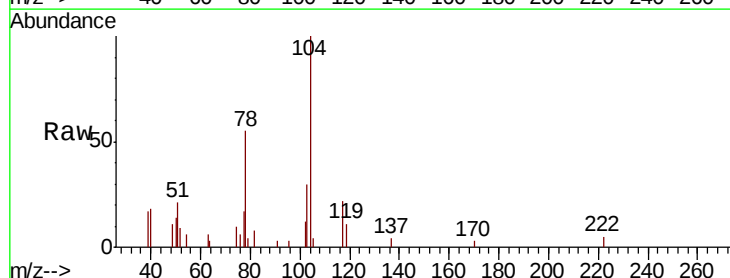
#60
o-Xylene
Concen: 0.043 ppbv
RT: 13.68
Delta R.T. MSVOA_L
Lab File: ClientSampled:
Acq: 22 Jun 2022 19:35
LOD-MDL-AIR-01-OT2-2022

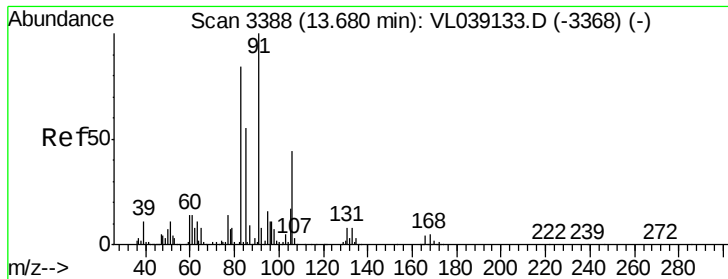
Tot Ion: 91 Resp: 14214
Ion Ratio Lower Upper
91 100
106 83.2 22.3 66.9#



#61
Styrene
Concen: 0.038 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.01 min
Lab File: VL039327.D
Acq: 22 Jun 2022 19:35

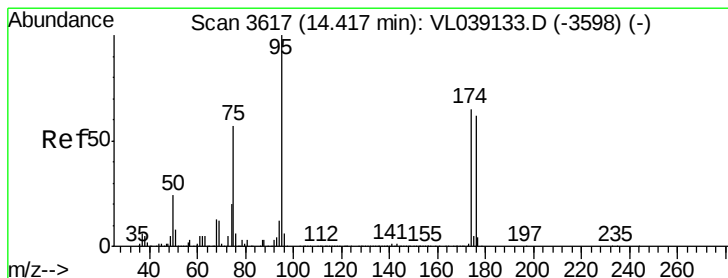
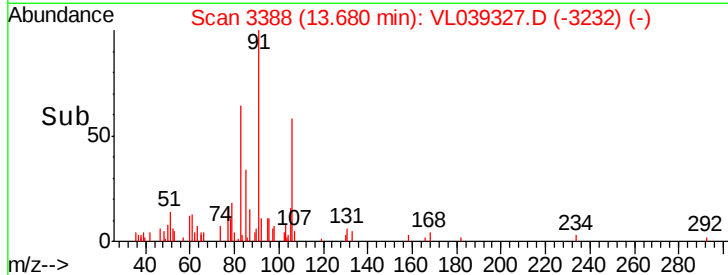
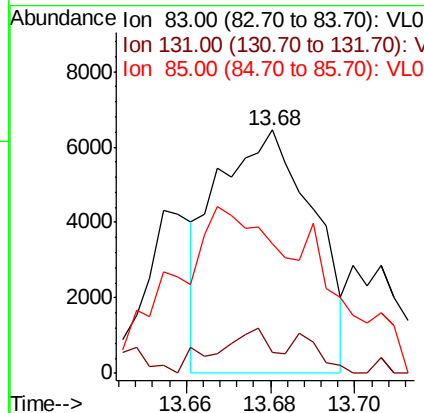
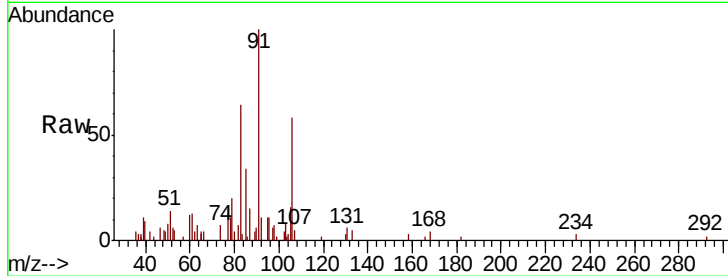
Tgt Ion: 104 Resp: 6828
Ion Ratio Lower Upper
104 100
78 116.5 45.7 68.5#
103 92.4 39.6 59.4#





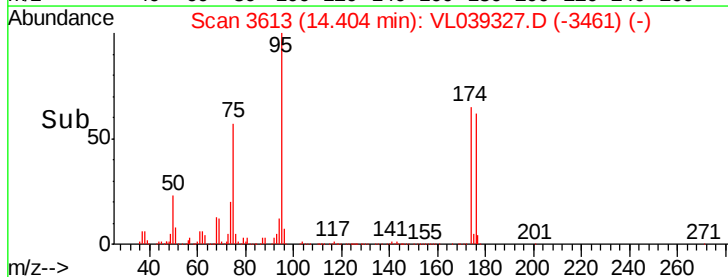
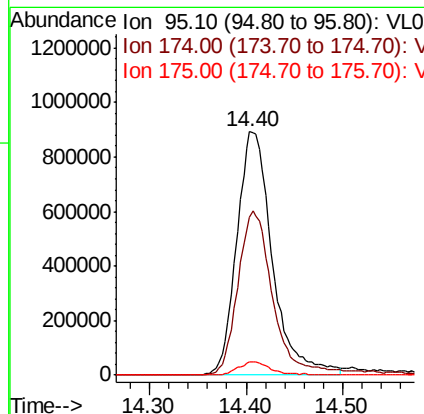
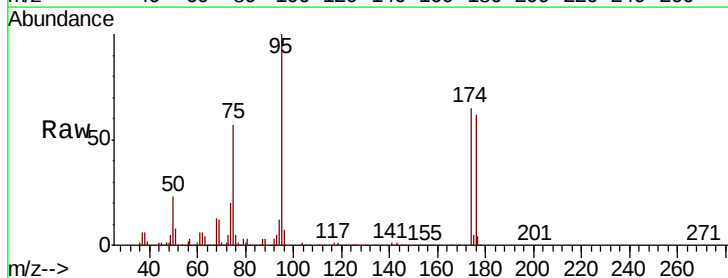
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.055 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled :
 Acq: 22 Jun 2022 19:35
 LOD-MDL-AIR-01-QT2-2022

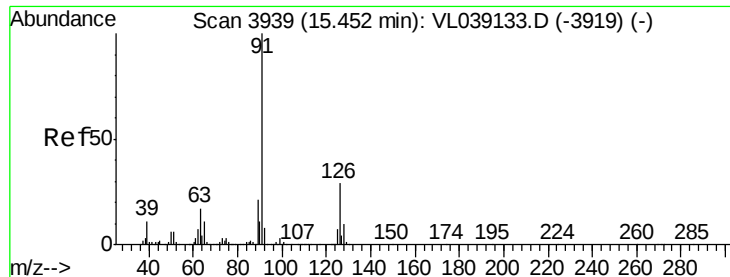
Tot Ion	83	Resp	10331
Ion	Ratio	Lower	Upper
83	100		
131	19.4	4.8	14.3#
85	110.3	33.0	99.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.474 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.01 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

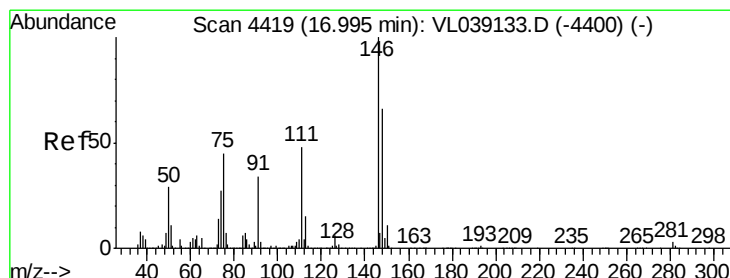
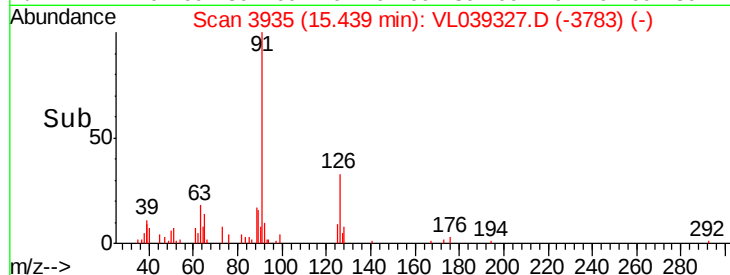
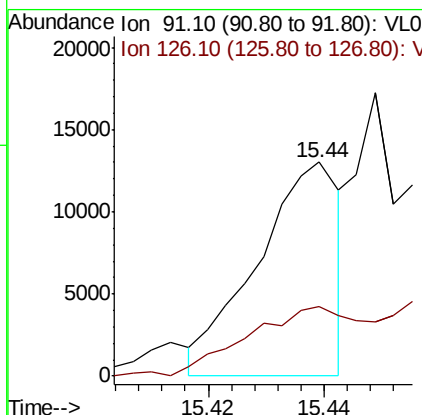
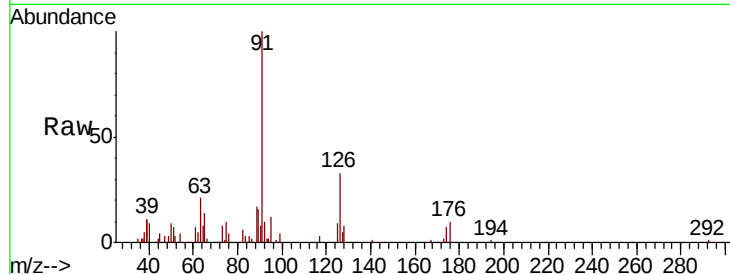
Tgt Ion	95	Resp	2285771
Ion	Ratio	Lower	Upper
95	100		
174	69.1	53.8	80.8
175	5.2	4.1	6.1





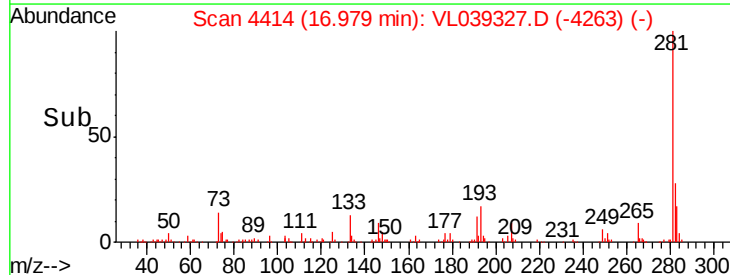
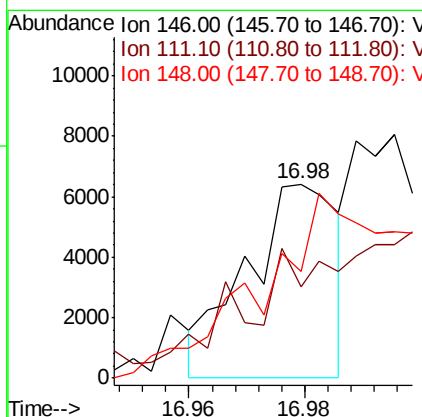
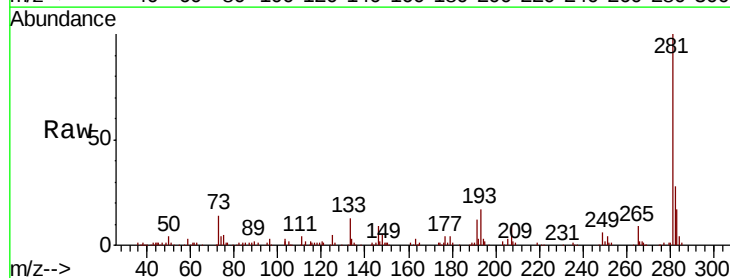
#71
 2-Chlorotoluene
 Concen: 0.034 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 LOD-MDL-AIR-01-OT2-2022
 Acq: 22 Jun 2022 19:35

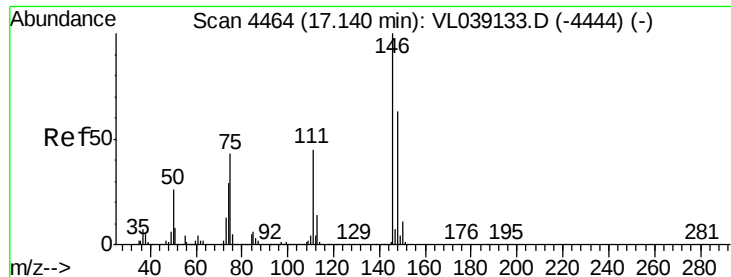
Tot Ion: 91 Resp: 12965
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.2 48.6#



#75
 1,3-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.02 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

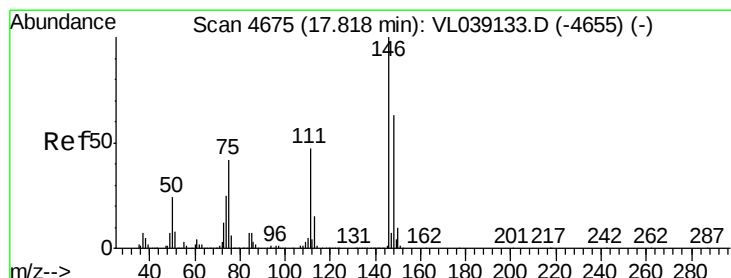
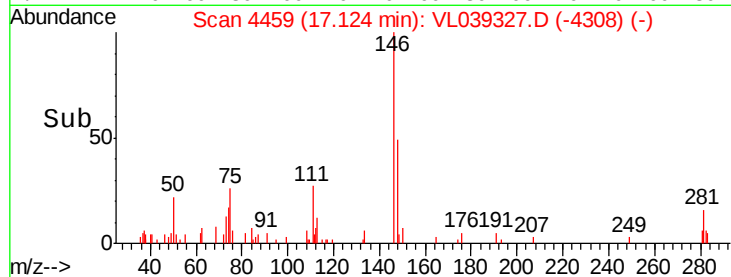
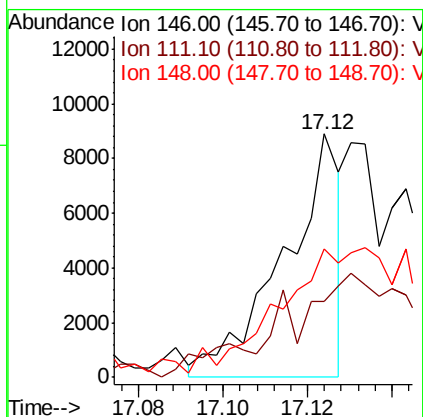
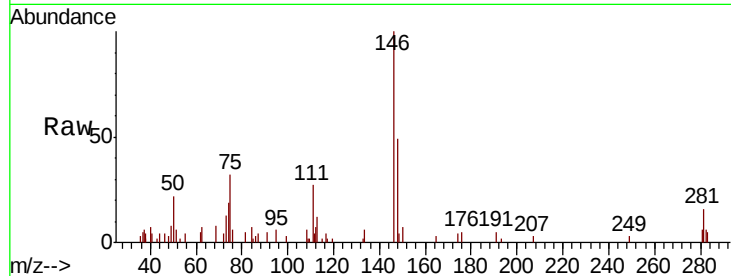
Tgt Ion: 146 Resp: 6964
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.4#
 148 227.6 32.4 97.0#





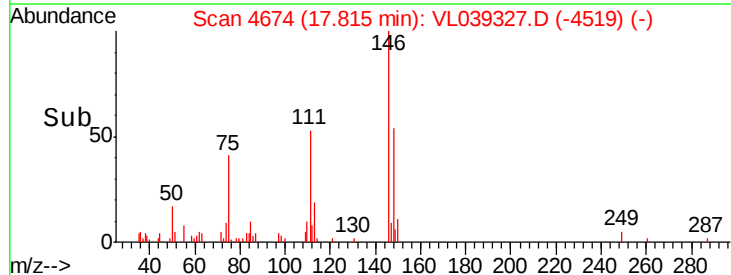
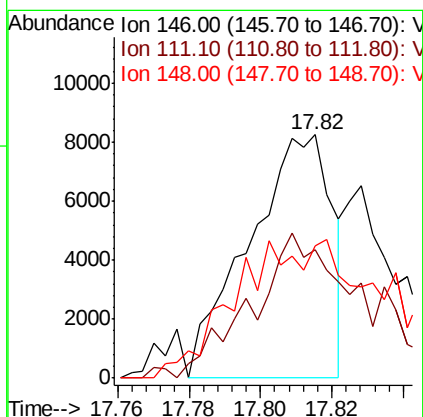
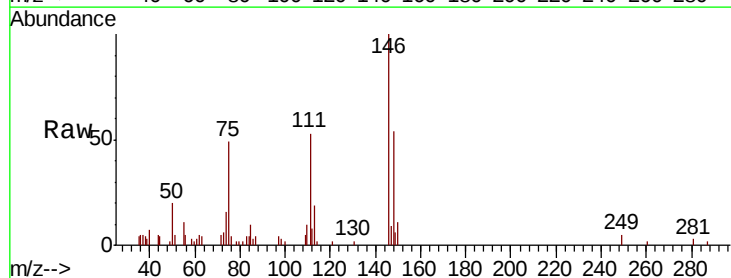
#76
 1,4-Dichlorobenzene
 Concen: 0.037 ppbv
 RT: 17.12 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 LOD-MDL-AIR-01-OT2-2022
 Acq: 22 Jun 2022 19:35

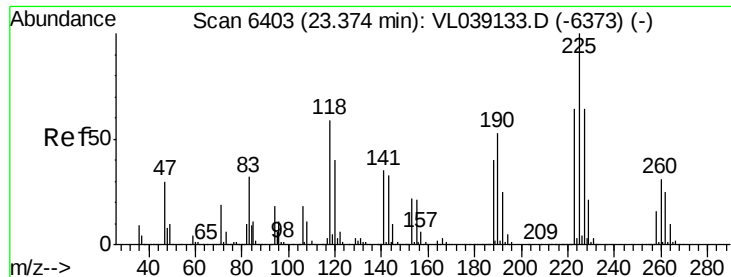
Tot Ion:146 Resp: 8237
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.6 71.0#
 148 0.0 33.7 101.0#



#77
 1,2-Dichlorobenzene
 Concen: 0.060 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. -0.00 min
 Lab File: VL039327.D
 Acq: 22 Jun 2022 19:35

Tgt Ion:146 Resp: 13328
 Ion Ratio Lower Upper
 146 100
 111 94.4 24.4 73.4#
 148 119.3 32.1 96.5#





#78

Hexachloro-1,3-Butadiene

Concen: 0.053 ppbv

RT: 23.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 19:55 LOD-MDL-AIR-01-OT2-2022

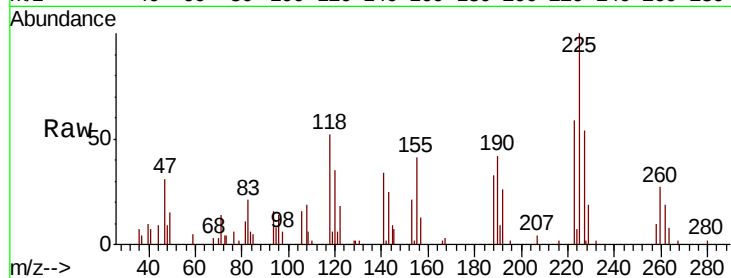
Tot Ion: 225 Resp: 10861

Ion Ratio Lower Upper

225 100

223 131.2 51.4 77.0#

227 129.7 50.6 75.8#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

