

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036997.D
 Acq On : 19 May 2021 18:26
 Operator : SY/AP
 Sample : M2424-11DUPDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-01DLDP

Quant Time: May 20 06:31:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1221869	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3651526	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3366200	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2480022	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

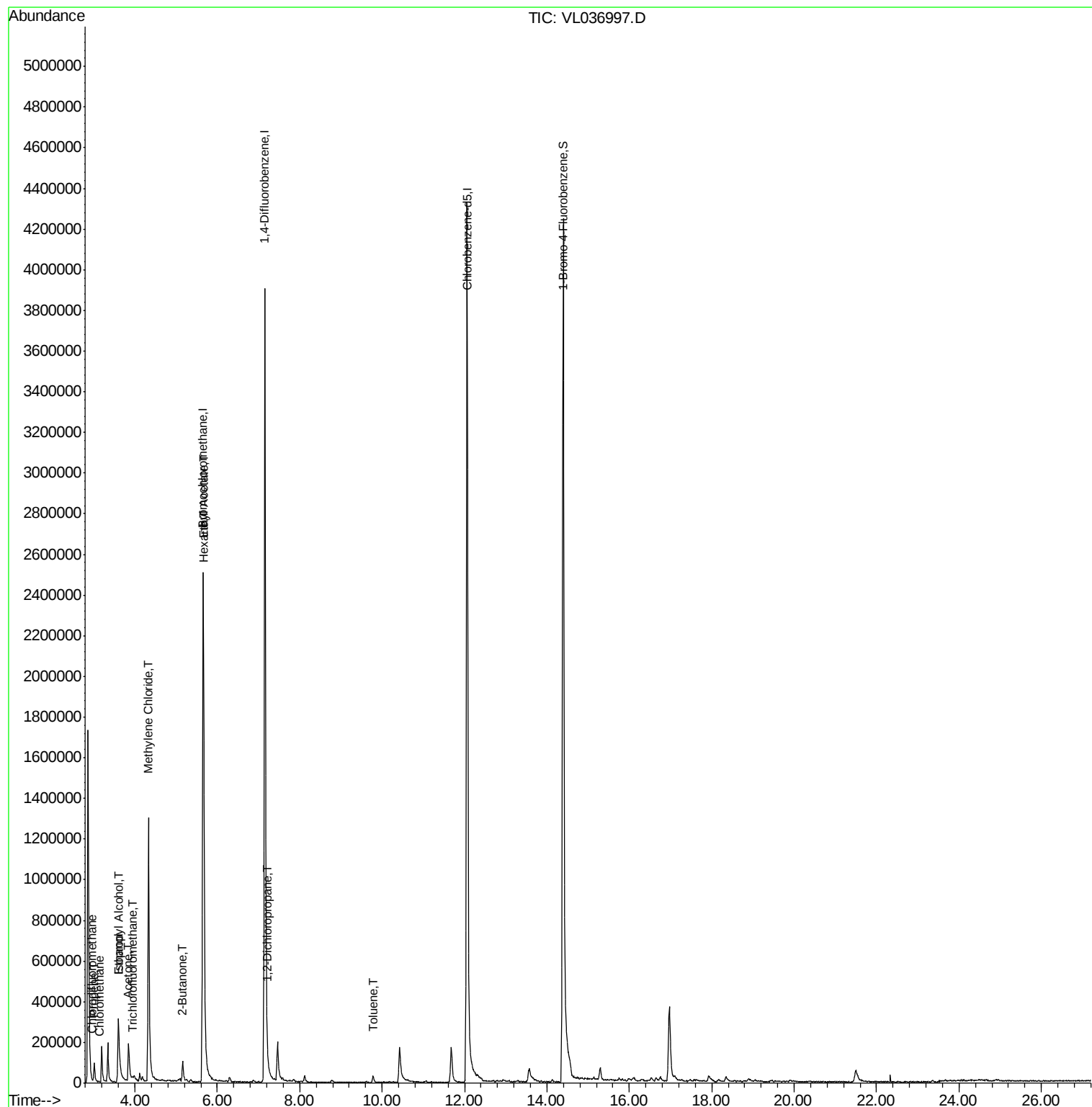
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	8751	0.039	ppbv #	81
4) Chloromethane	3.13	50	3114	0.041	ppbv #	85
9) Propene	3.00	41	10554	0.132	ppbv #	40
11) Trichlorofluoromethane	3.93	101	6411	0.033	ppbv	93
13) Ethanol	3.60	45	520392	48.658	ppbv	97
15) Acetone	3.84	43	241659	1.931	ppbv #	87
19) Isopropyl Alcohol	3.60	45	520392	7.735	ppbv #	30
20) Methylene Chloride	4.33	84	573733	8.552	ppbv	99
25) Ethyl Acetate	5.67	43	359505	1.195	ppbv #	77
26) Hexane	5.67	57	521716	3.396	ppbv #	46
34) 2-Butanone	5.16	43	36942	0.278	ppbv #	1
39) 1,2-Dichloropropane	7.21	63	9273	0.077	ppbv #	27
53) Toluene	9.78	91	14263	0.038	ppbv #	53

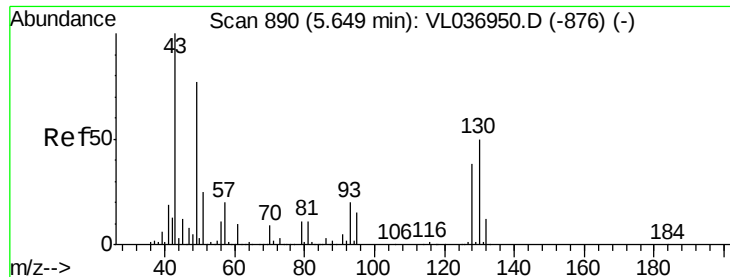
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
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Quant Time: May 20 06:31:15 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

MSVOA_L

ClientSampleId :

KIA-01DLDP

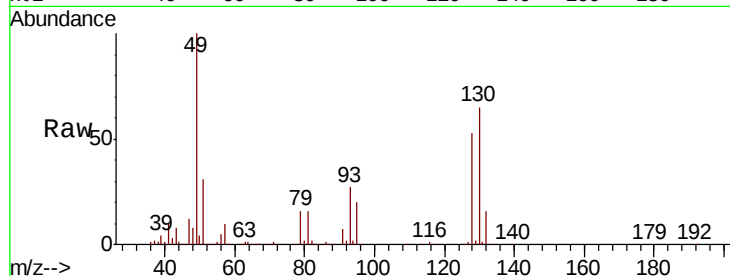
Tot Ion: 49 Resp: 1221869

Ion Ratio Lower Upper

49 100

128 57.8 26.9 80.7

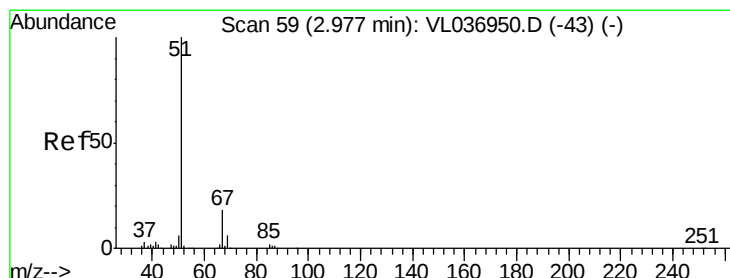
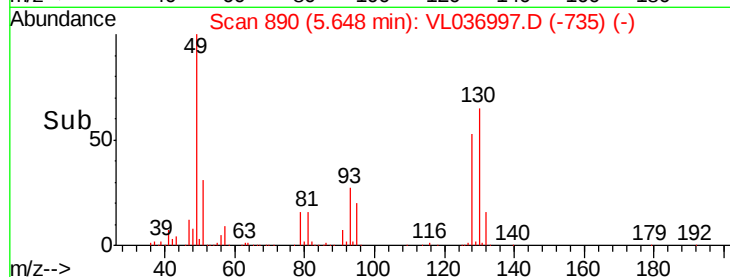
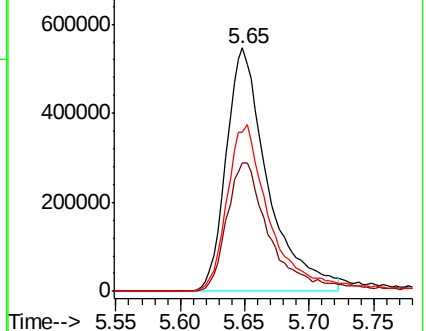
130 74.4 33.8 101.4



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



#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL036997.D

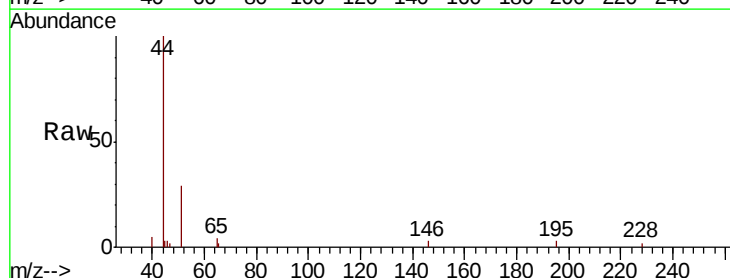
Acq: 19 May 2021 18:26

Tgt Ion: 51 Resp: 8751

Ion Ratio Lower Upper

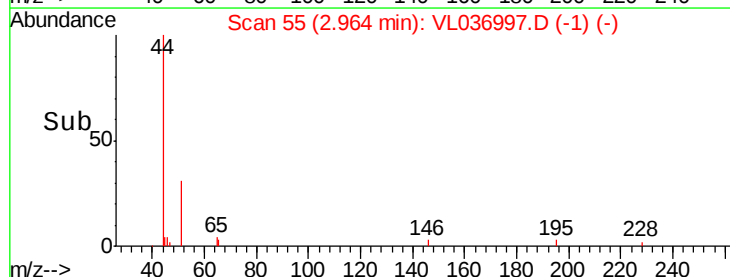
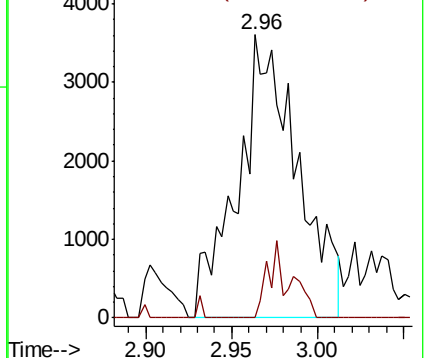
51 100

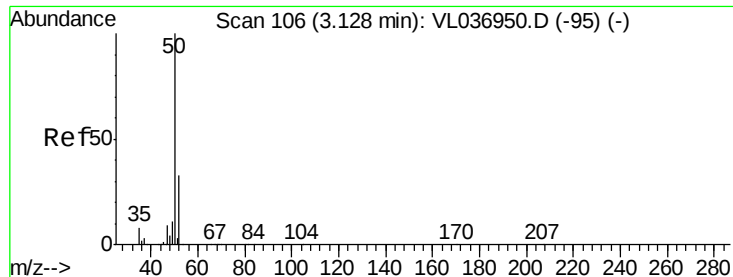
67 9.9 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

MSVOA_L

ClientSampleId :

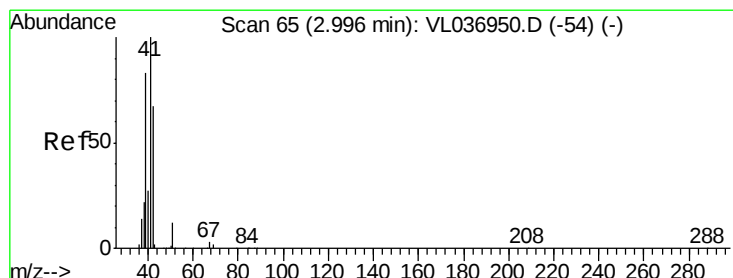
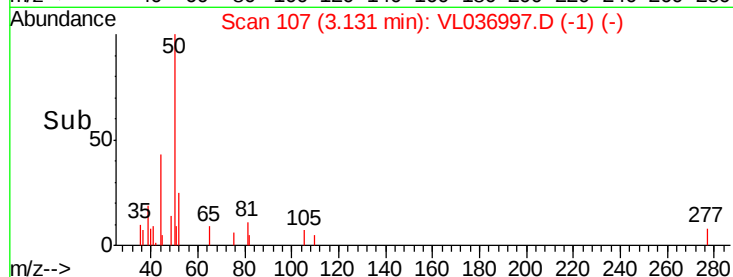
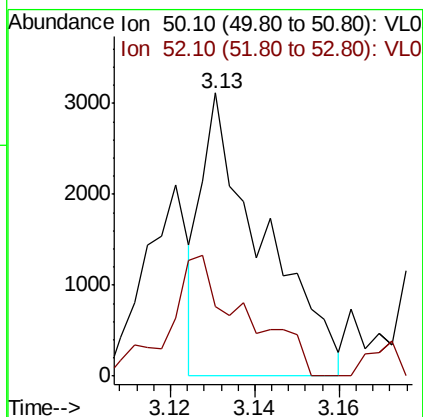
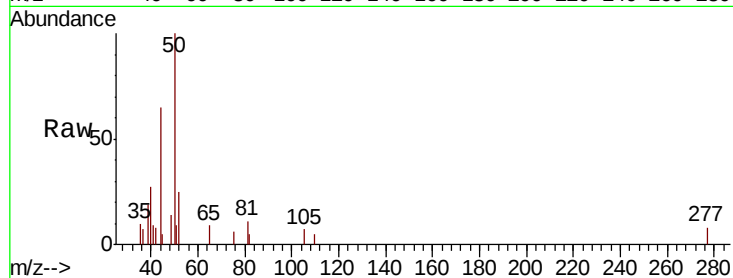
KIA-01DLDP

Tot Ion: 50 Resp: 3114

Ion Ratio Lower Upper

50 100

52 24.3 26.1 39.1#



#9

Propene

Concen: 0.132 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL036997.D

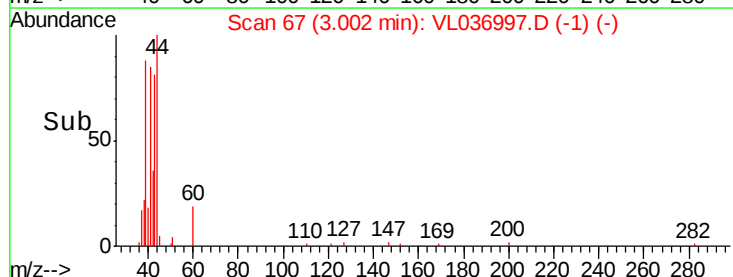
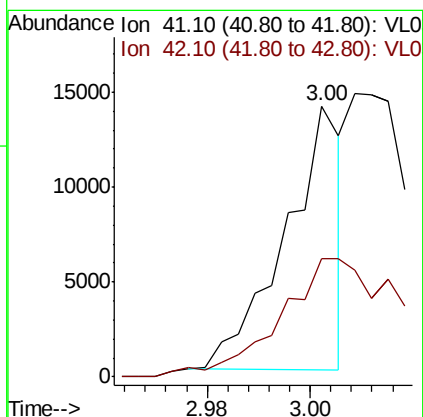
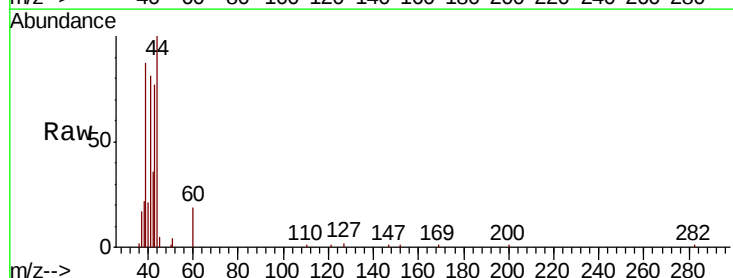
Acq: 19 May 2021 18:26

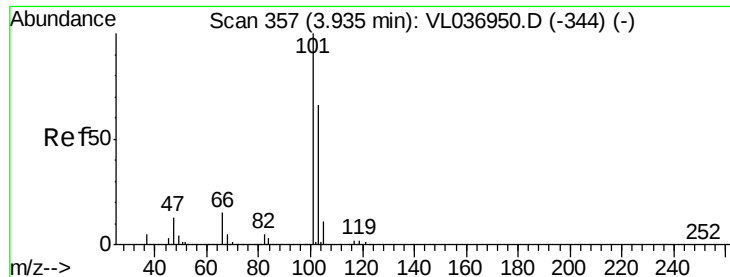
Tgt Ion: 41 Resp: 10554

Ion Ratio Lower Upper

41 100

42 115.9 53.9 80.9#

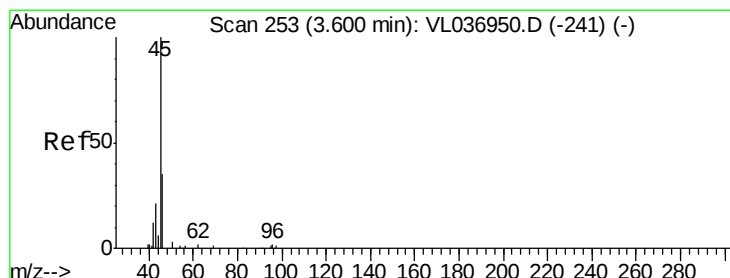
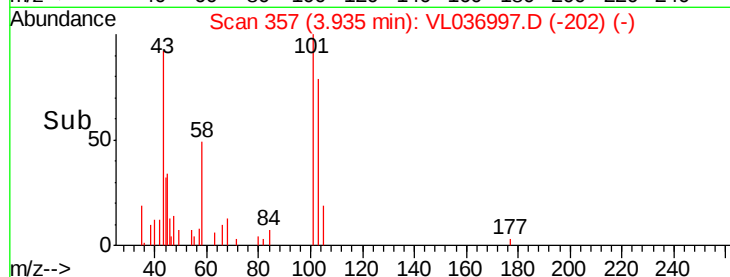
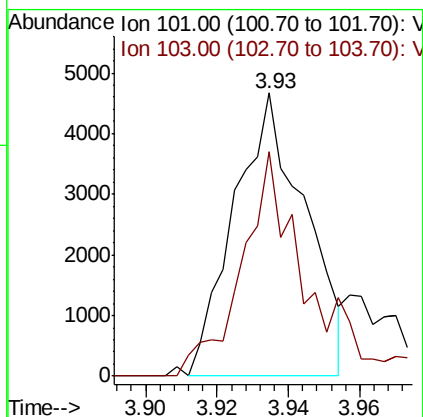
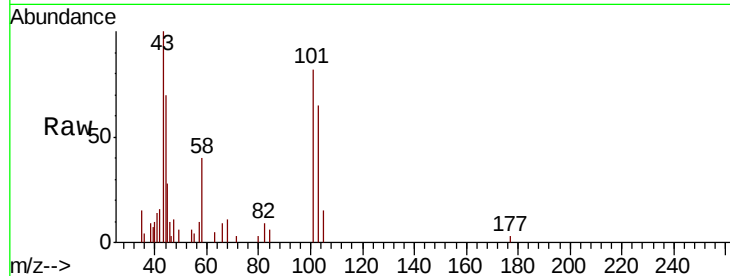




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036997.D
 Acq: 19 May 2021 18:26

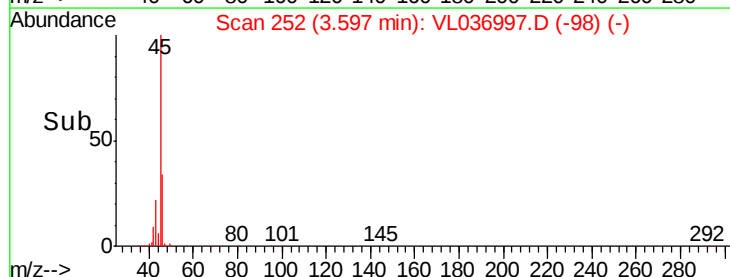
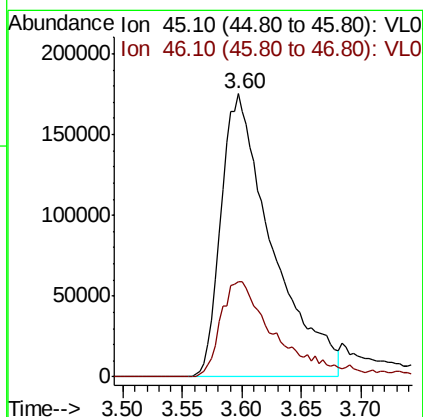
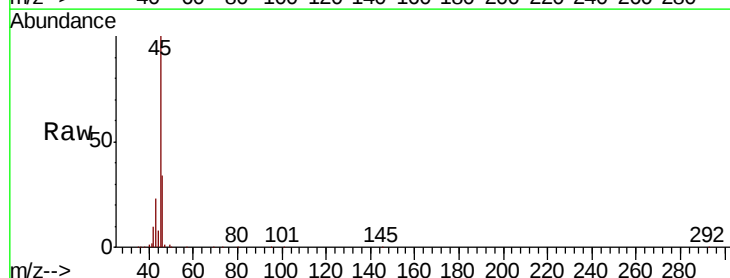
Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-01DLDP

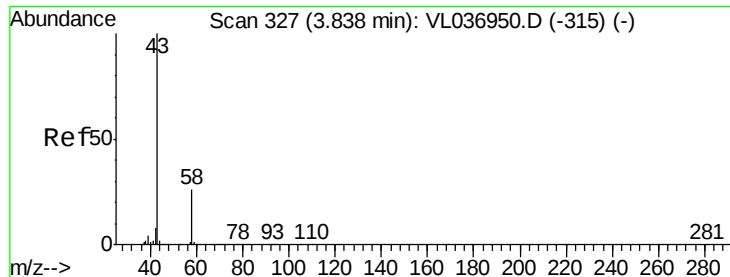
Tot Ion:101 Resp: 6411
 Ion Ratio Lower Upper
 101 100
 103 71.6 52.6 79.0



#13
 Ethanol
 Concen: 48.658 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VL036997.D
 Acq: 19 May 2021 18:26

Tgt Ion: 45 Resp: 520392
 Ion Ratio Lower Upper
 45 100
 46 39.1 16.3 65.3





#15

Acetone

Concen: 1.931 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

MSVOA_L

ClientSampleId :

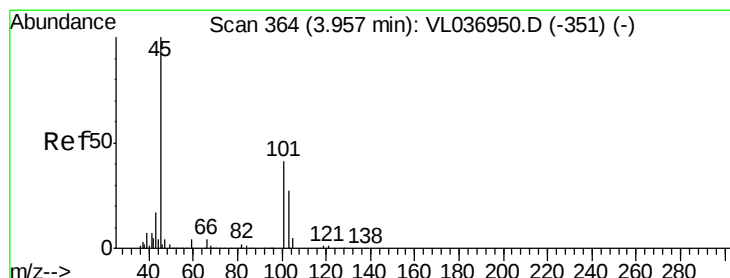
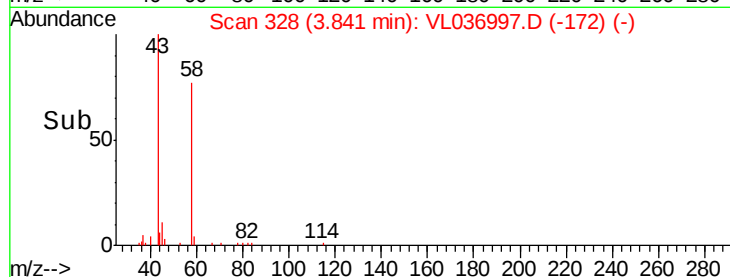
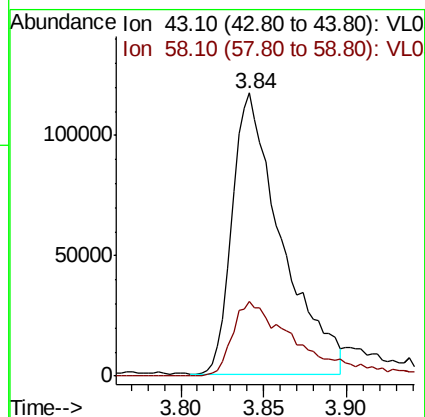
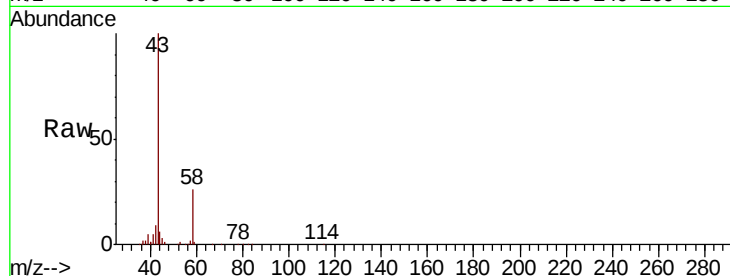
KIA-01DLUP

Tot Ion: 43 Resp: 241659

Ion Ratio Lower Upper

43 100

58 37.1 24.0 36.0#



#19

Isopropyl Alcohol

Concen: 7.735 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.36 min

Lab File: VL036997.D

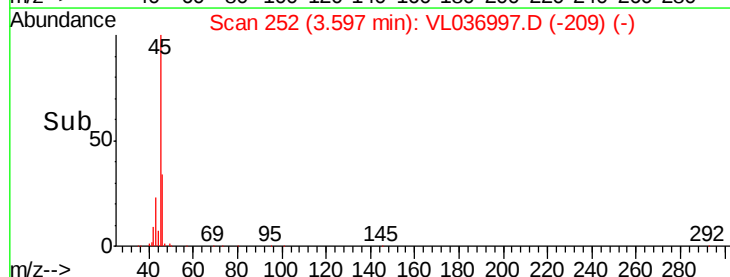
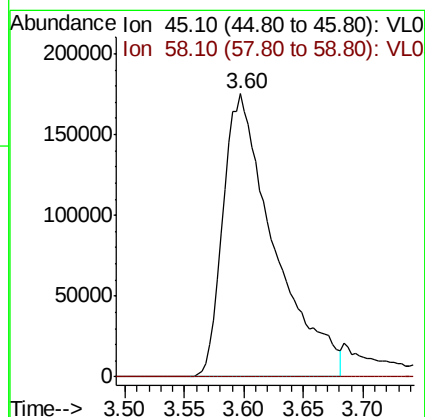
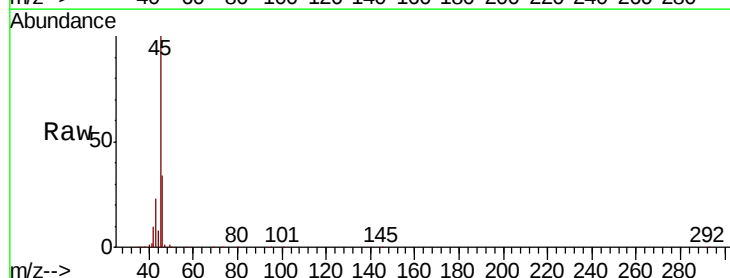
Acq: 19 May 2021 18:26

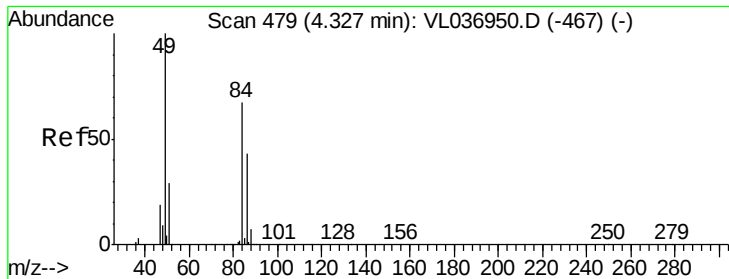
Tgt Ion: 45 Resp: 520392

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

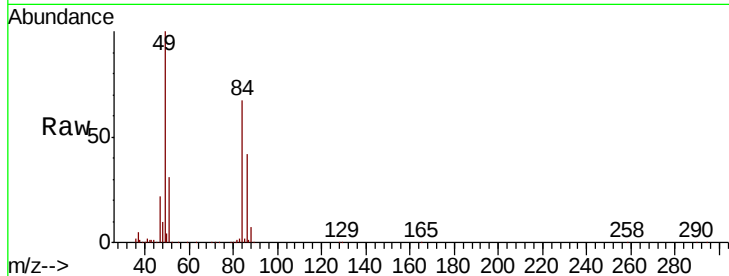




#20
Methylene Chloride
Concen: 8.552 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL036997.D
Acq: 19 May 2021 18:26

Instrument :
MSVOA_L
ClientSampleId :
KIA-01DLDP

Tot Ion:	84	Resp:	573733
Ion	Ratio	Lower	Upper
84	100		
49	148.7	119.8	179.6
51	45.6	35.1	52.7
86	62.7	50.9	76.3



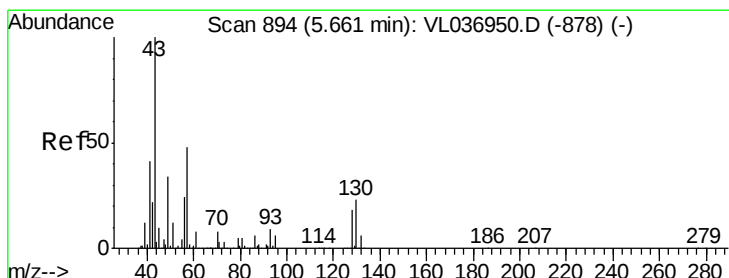
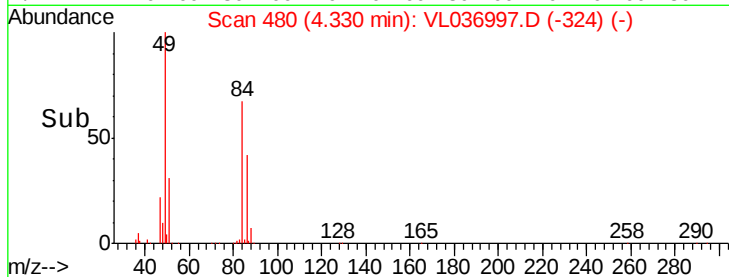
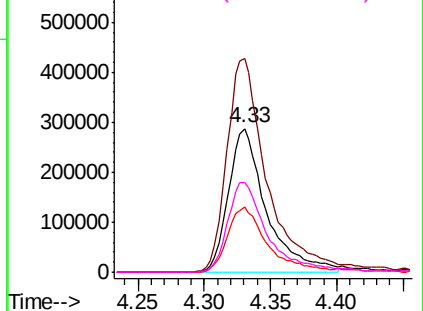
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

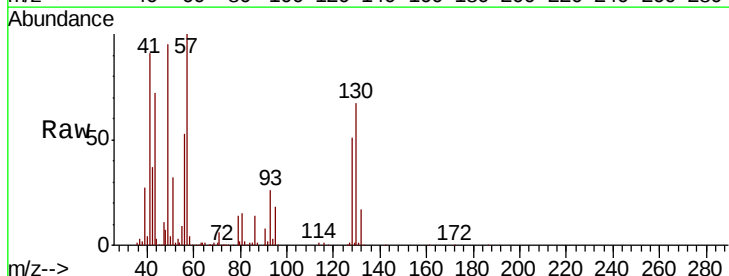
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 1.195 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL036997.D
Acq: 19 May 2021 18:26

Tgt Ion:	43	Resp:	359505
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.8	11.8#
61	0.2	7.8	11.8#
70	1.6	5.6	8.4#



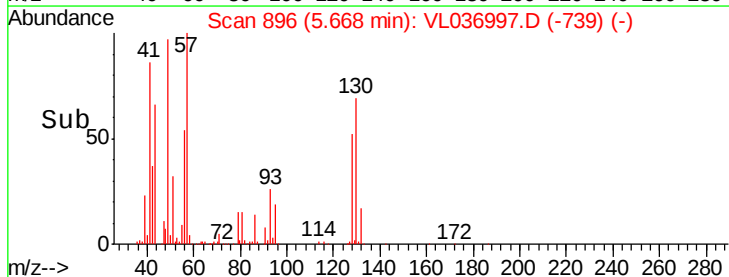
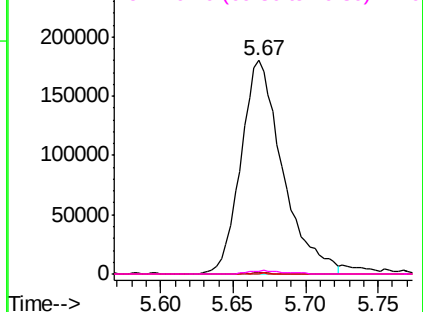
Abundance

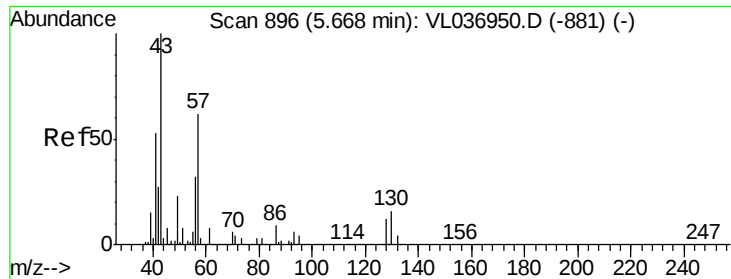
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 3.396 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

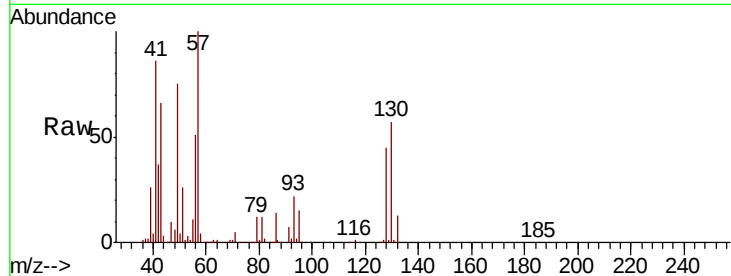
MSVOA_L

ClientSampleId :

KIA-01DLDP

Tot Ion: 57 Resp: 521716

Ion	Ratio	Lower	Upper
57	100		
41	94.0	70.5	105.7
43	72.2	165.8	248.8#
56	54.4	42.2	63.4

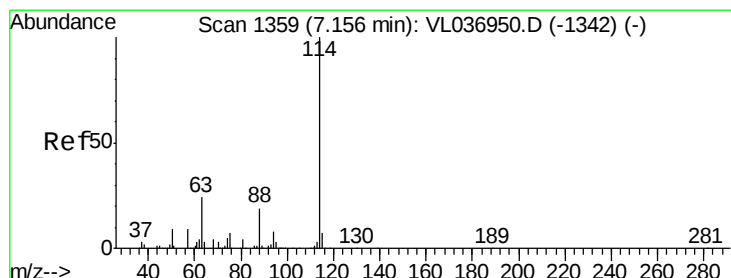
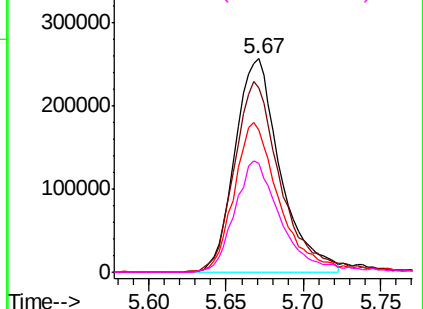
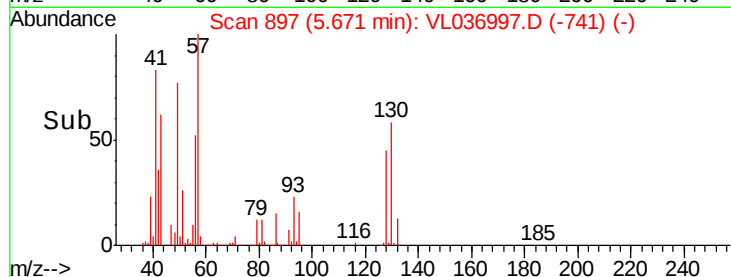


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

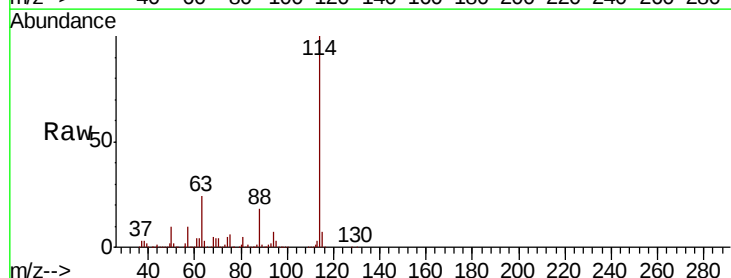
Delta R.T. -0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Tgt Ion: 114 Resp: 3651526

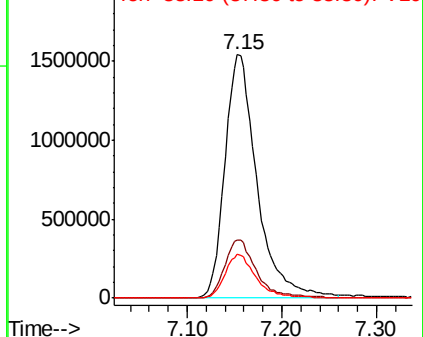
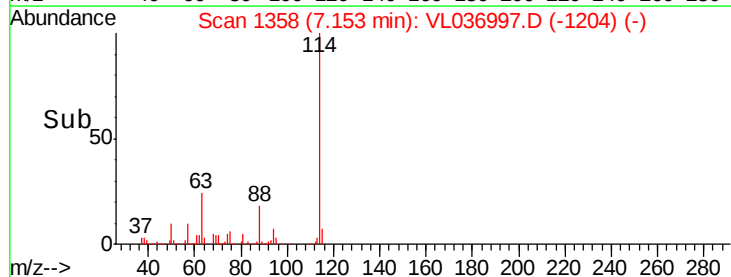
Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	17.7	14.6	21.8

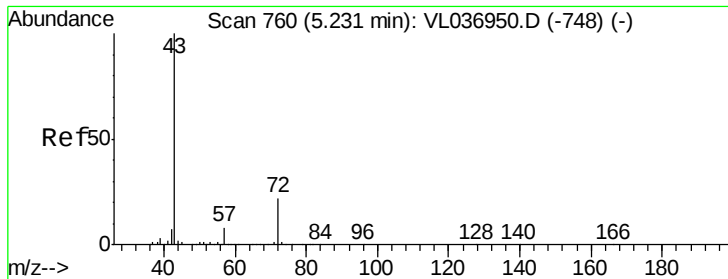


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

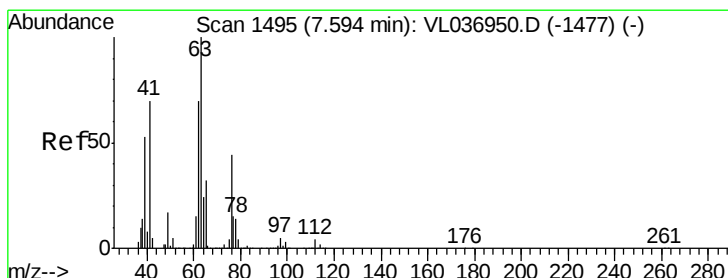
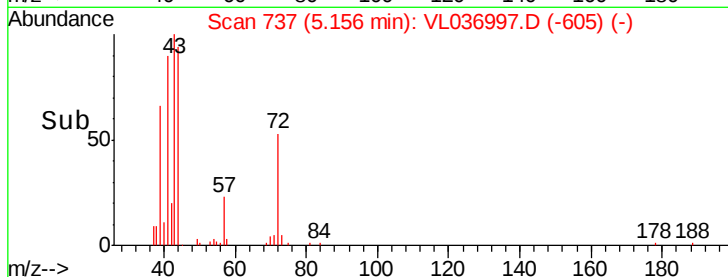
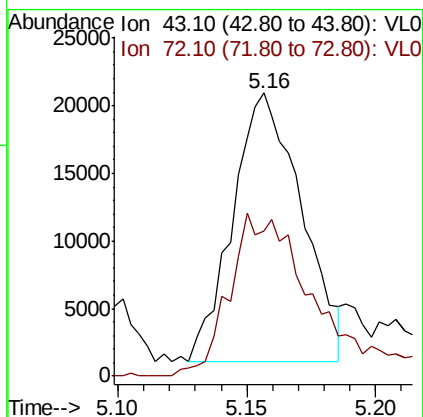
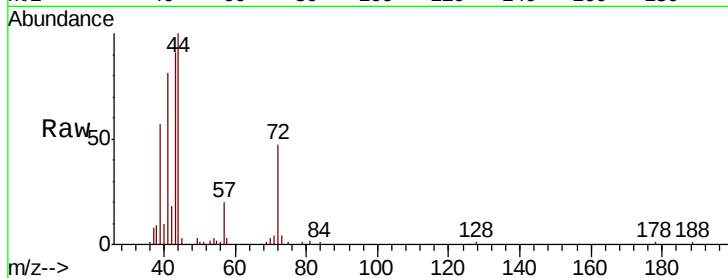




#34
2-Butanone
Concen: 0.278 ppbv
RT: 5.16 min Scan# 737
Delta R.T. -0.07 min
Lab File: VL036997.D
Acq: 19 May 2021 18:26

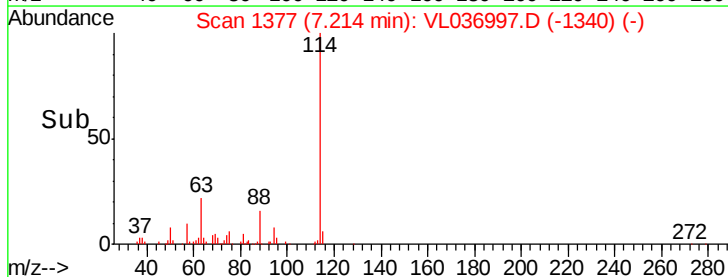
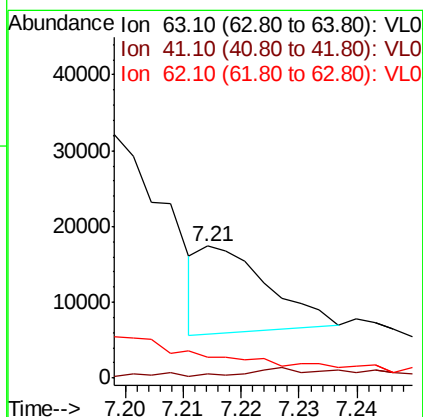
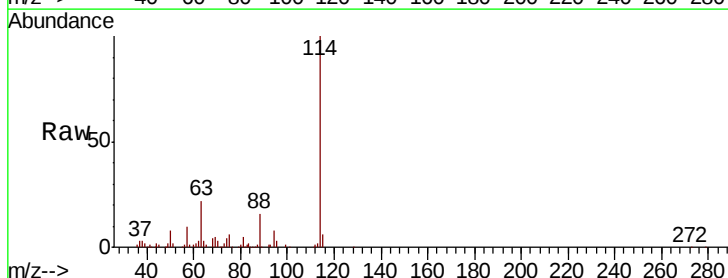
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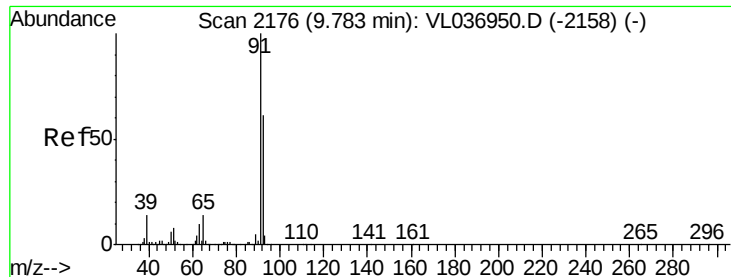
Tot Ion: 43 Resp: 36942
Ion Ratio Lower Upper
43 100
72 73.1 19.0 28.4#



#39
1,2-Dichloropropane
Concen: 0.077 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. -0.38 min
Lab File: VL036997.D
Acq: 19 May 2021 18:26

Tgt Ion: 63 Resp: 9273
Ion Ratio Lower Upper
63 100
41 6.4 55.7 83.5#
62 13.0 56.2 84.4#





#53

Toluene

Concen: 0.038 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

MSVOA_L

ClientSampleId :

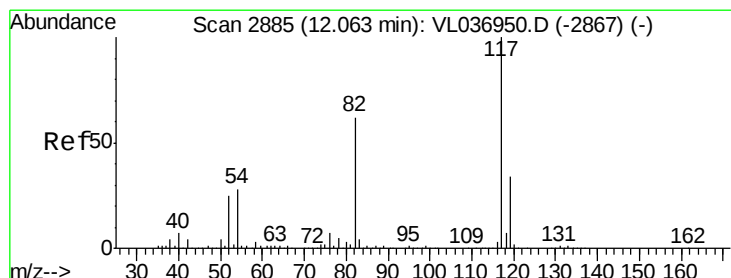
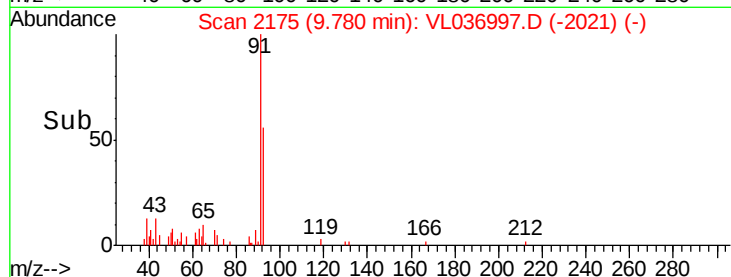
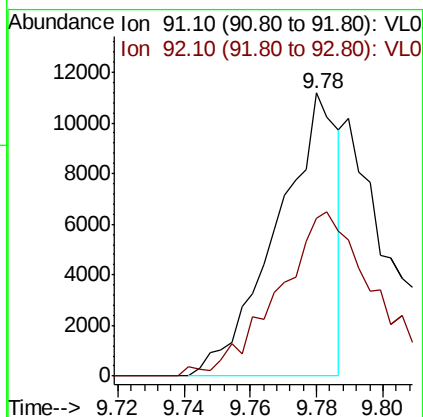
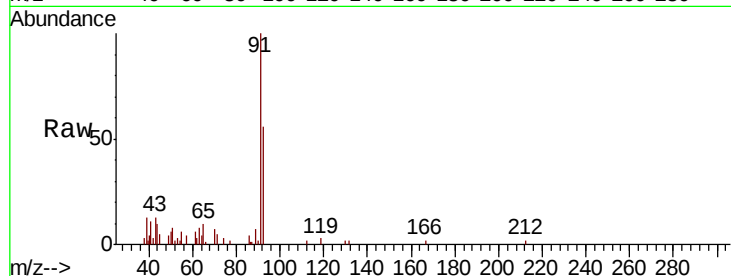
KIA-01DLDP

Tot Ion: 91 Resp: 14263

Ion Ratio Lower Upper

91 100

92 97.9 49.5 74.3#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

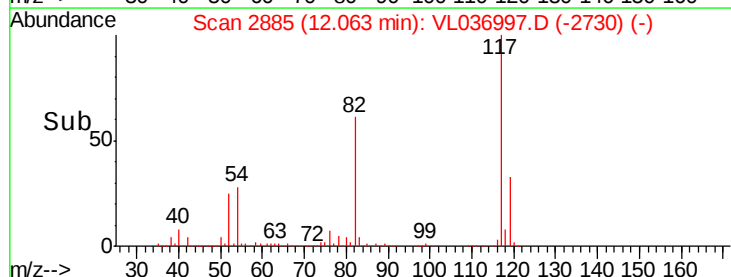
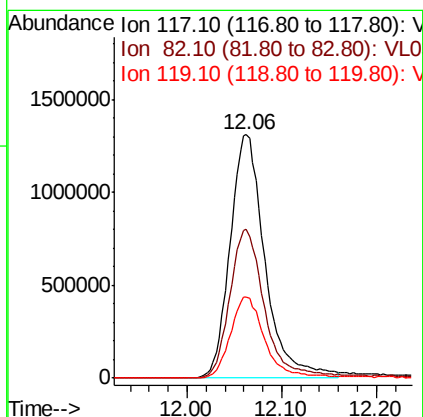
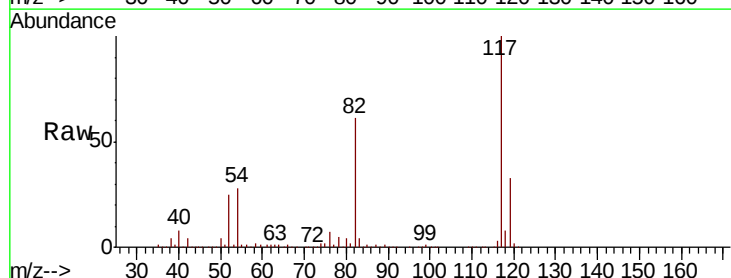
Tgt Ion: 117 Resp: 3366200

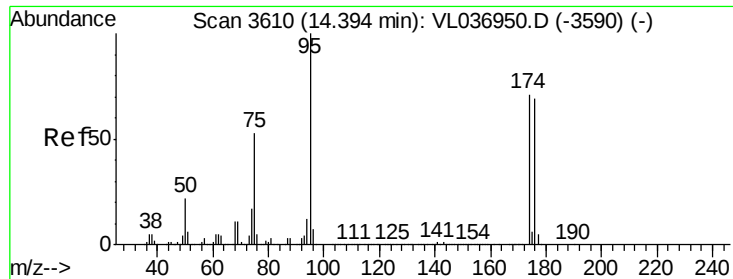
Ion Ratio Lower Upper

117 100

82 62.8 52.6 79.0

119 34.0 46.6 70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.807 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL036997.D

Acq: 19 May 2021 18:26

Instrument :

MSVOA_L

ClientSampleId :

KIA-01DLDP

Tot Ion: 95 Resp: 2480022

Ion Ratio Lower Upper

95 100

174 75.1 58.4 87.6

175 5.5 4.4 6.6

