

Data File : VL033857.D
Acq On : 30 May 2019 5:32
Operator : SY/AP
Sample : K3067-07DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-ODL

Quant Time: May 30 06:25:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	692286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1600148	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1592973	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1263581	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

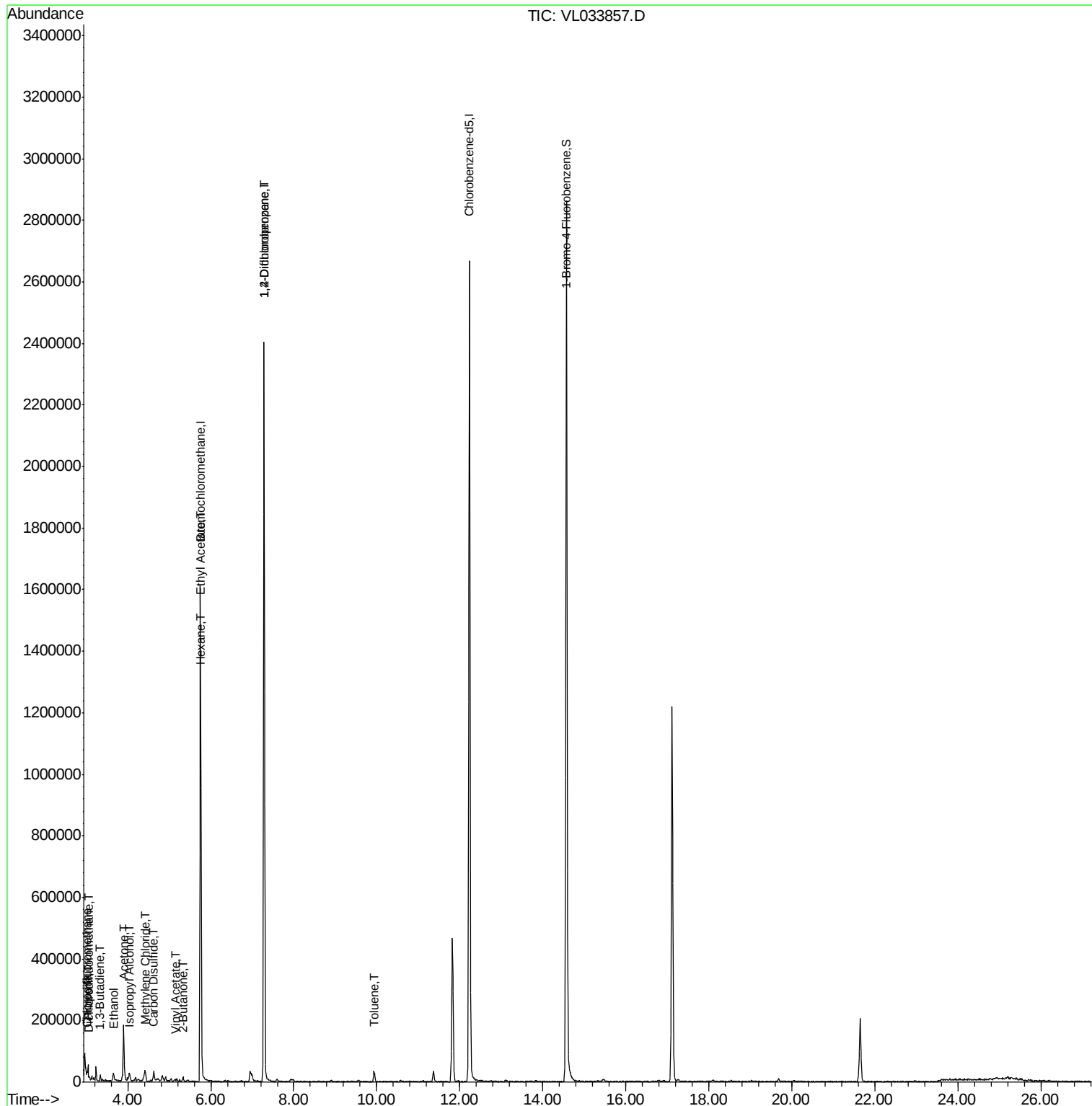
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	6248	0.043	ppbv #	78
3) Chlorodifluoromethane	3.01	51	8451	0.107	ppbv	92
9) Propene	3.04	41	2842	0.084	ppbv #	62
13) Ethanol	3.65	45	24012	2.203	ppbv	100
15) Acetone	3.90	43	169814	1.768	ppbv	100
16) 1,3-Butadiene	3.34	39	4172	0.109	ppbv #	13
19) Isopropyl Alcohol	4.03	45	24377	0.394	ppbv #	82
20) Methylene Chloride	4.40	84	5444	0.147	ppbv #	89
23) Vinyl Acetate	5.15	43	5492	0.043	ppbv #	79
25) Ethyl Acetate	5.77	43	11117	0.066	ppbv #	86
26) Hexane	5.77	57	14252	0.196	ppbv #	44
27) Carbon Disulfide	4.62	76	6337	0.064	ppbv #	15
34) 2-Butanone	5.33	43	7681	0.077	ppbv #	54
39) 1,2-Dichloropropane	7.28	63	422356	7.783	ppbv #	23
53) Toluene	9.93	91	21072	0.134	ppbv	92

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

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SG-4-20190523-0DL

Quant Time: May 30 06:25:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033857.D

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MSVOA_L

ClientSampleId :

SG-4-20190523-ODL

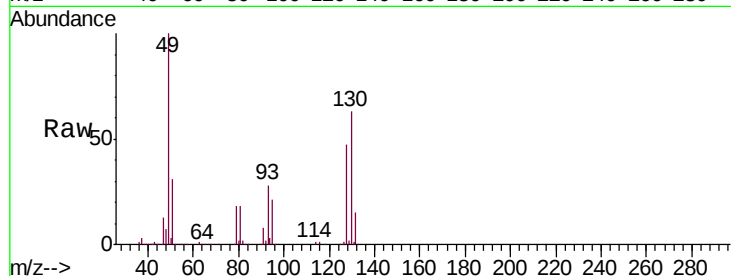
Tgt Ion: 49 Resp: 692286

Ion Ratio Lower Upper

49 100

128 49.7 25.2 75.6

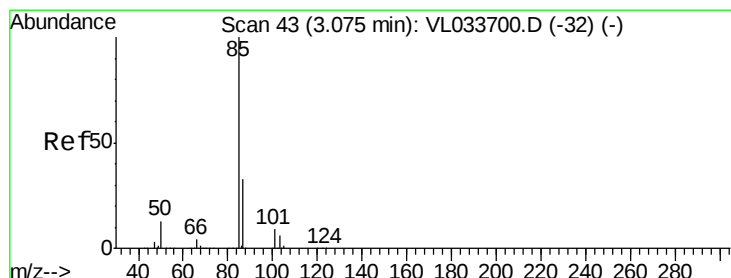
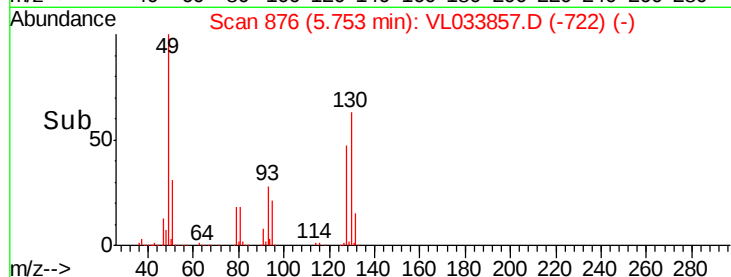
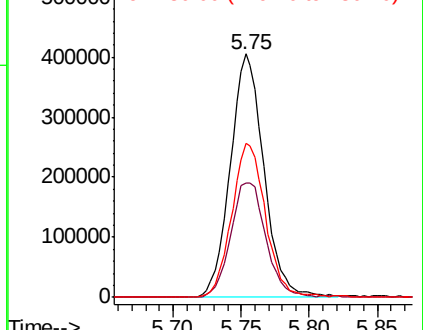
130 64.1 32.5 97.5



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: 0.043 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033857.D

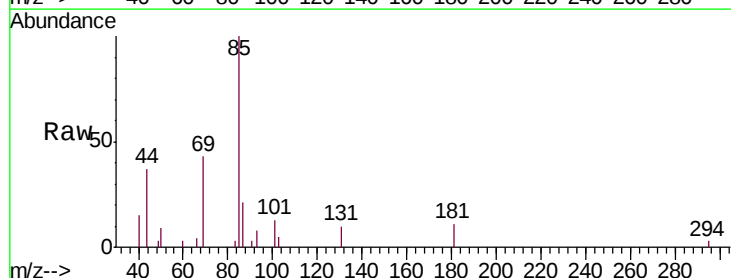
Acq: 30 May 2019 5:32

Tgt Ion: 85 Resp: 6248

Ion Ratio Lower Upper

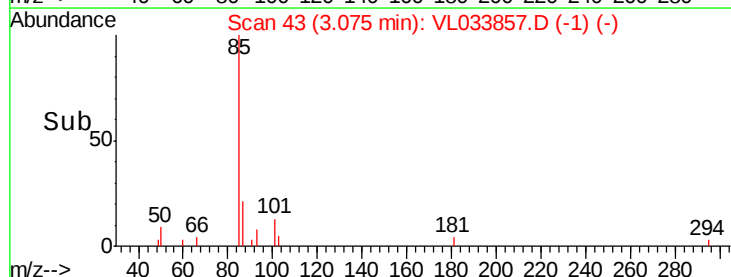
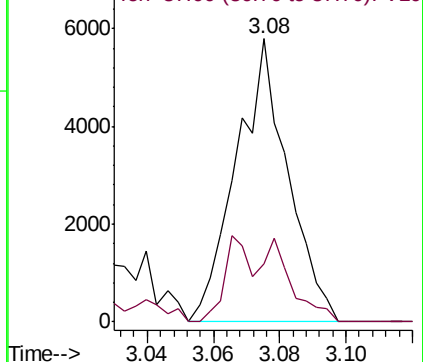
85 100

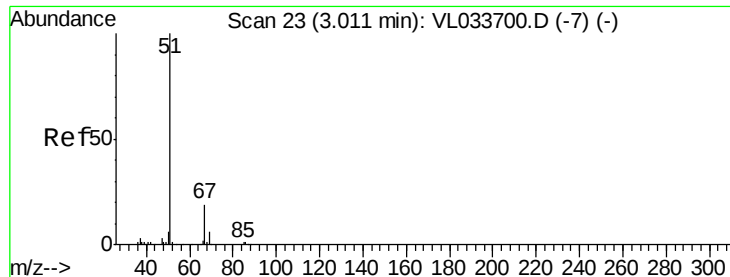
87 20.7 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

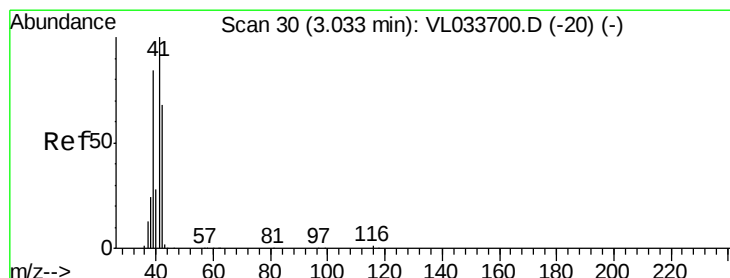
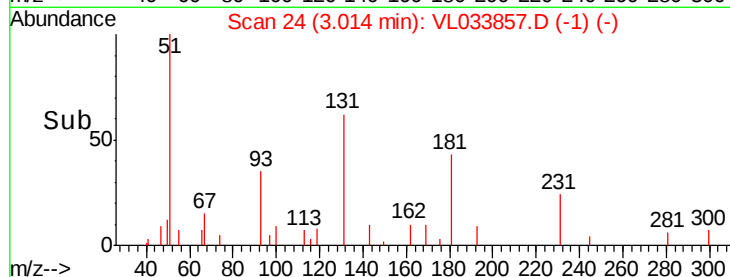
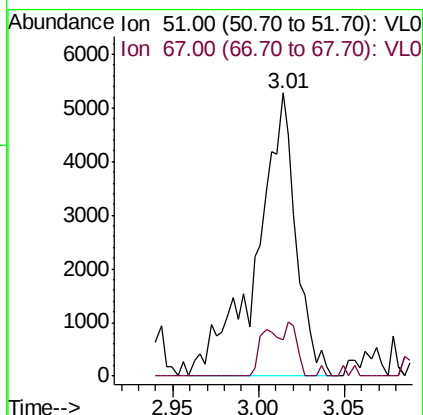
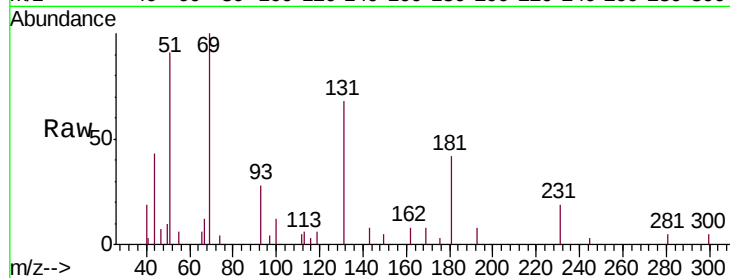




#3
Chlorodifluoromethane
Concen: 0.107 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

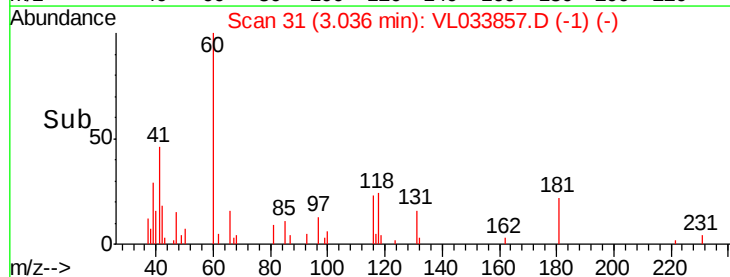
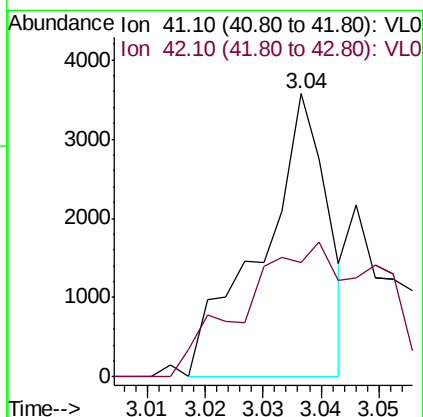
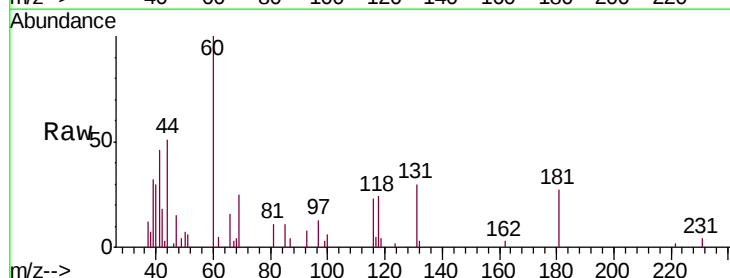
Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-0DL

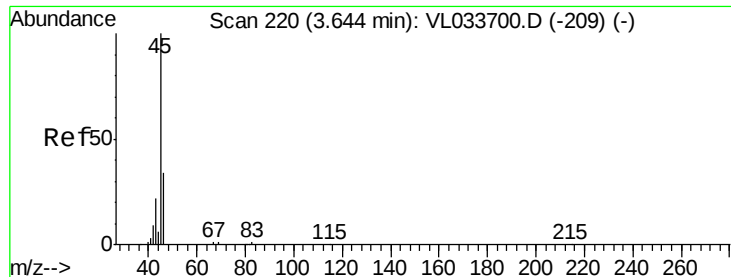
Tgt Ion: 51 Resp: 8451
Ion Ratio Lower Upper
51 100
67 15.9 15.6 23.4



#9
Propene
Concen: 0.084 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 41 Resp: 2842
Ion Ratio Lower Upper
41 100
42 101.6 56.1 84.1#





#13

Ethanol

Concen: 2.203 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

ClientSampleId :

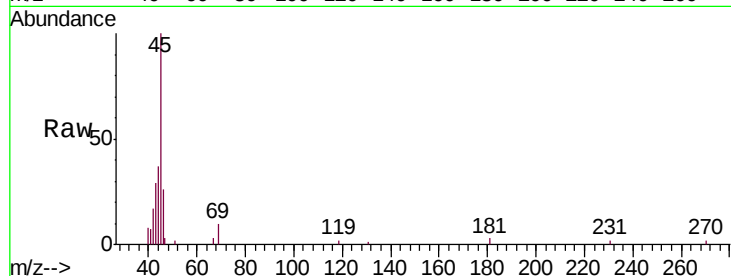
SG-4-20190523-0DL

Tgt Ion: 45 Resp: 24012

Ion Ratio Lower Upper

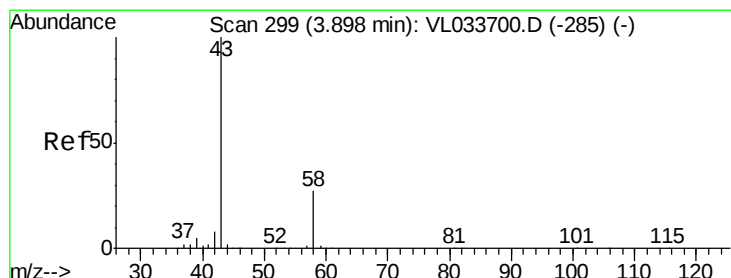
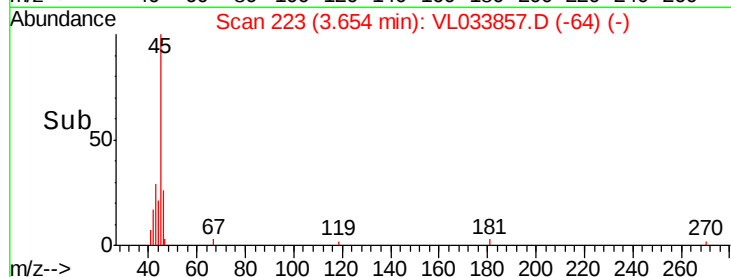
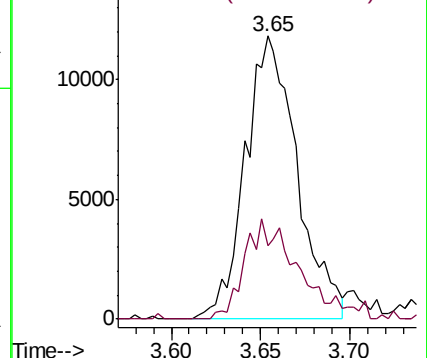
45 100

46 37.0 14.8 59.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 1.768 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033857.D

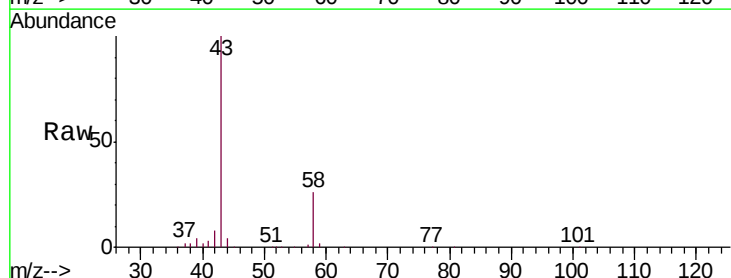
Acq: 30 May 2019 5:32

Tgt Ion: 43 Resp: 169814

Ion Ratio Lower Upper

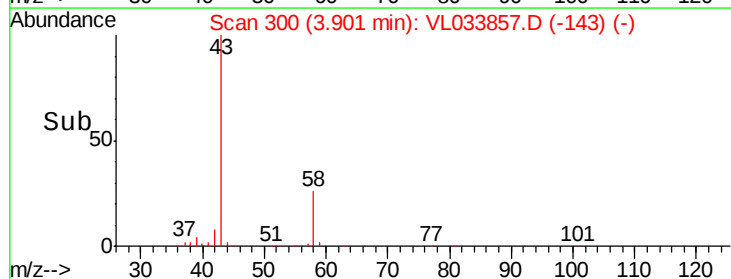
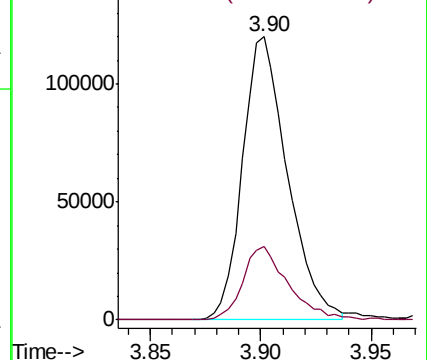
43 100

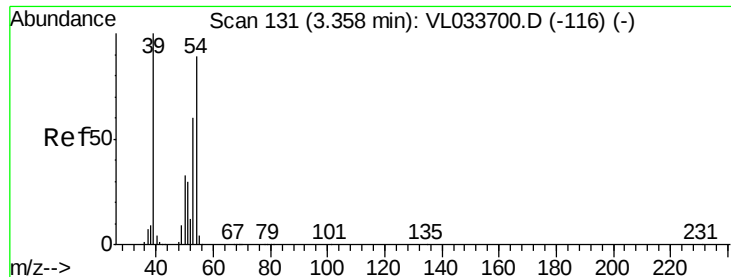
58 26.5 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

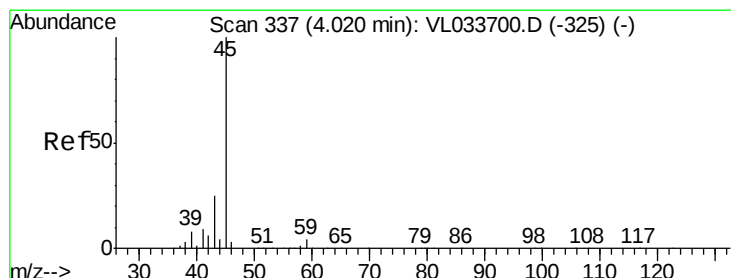
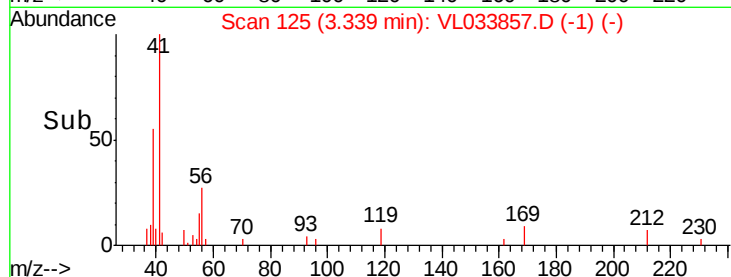
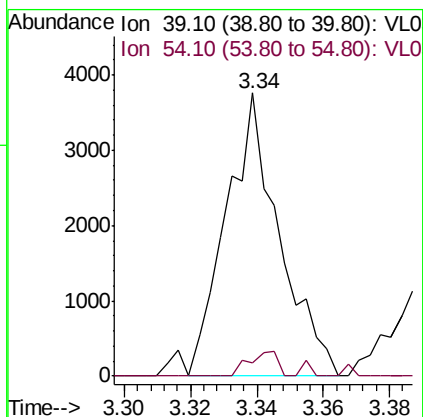
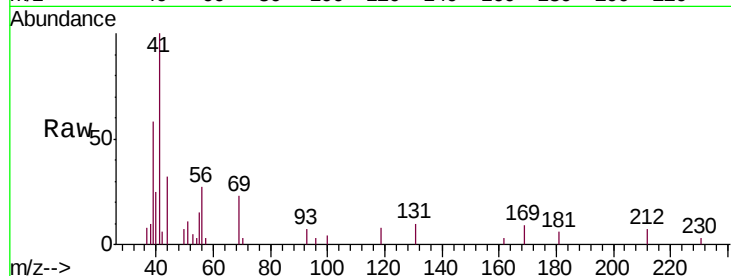




#16
1,3-Butadiene
Concen: 0.109 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

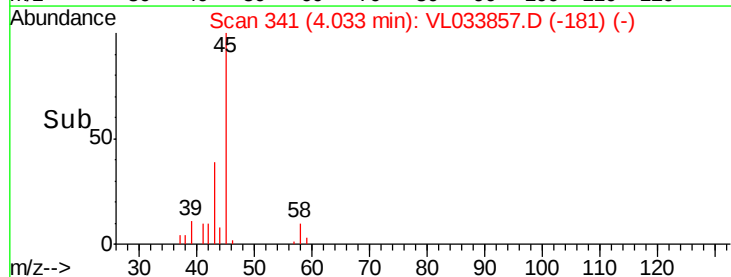
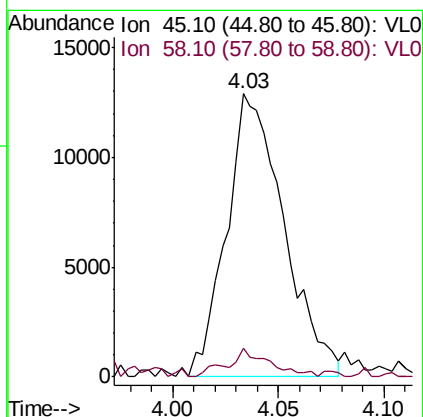
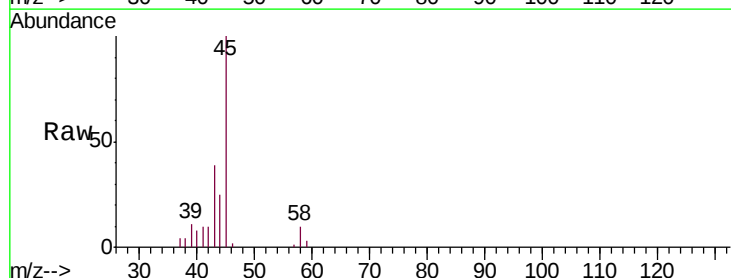
Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-0DL

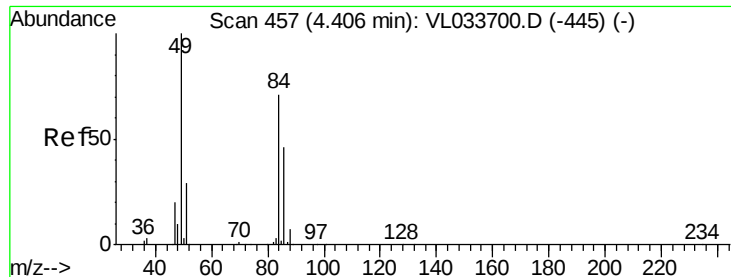
Tgt Ion: 39 Resp: 4172
Ion Ratio Lower Upper
39 100
54 6.5 69.0 103.6#



#19
Isopropyl Alcohol
Concen: 0.394 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 45 Resp: 24377
Ion Ratio Lower Upper
45 100
58 8.3 1.6 2.4#

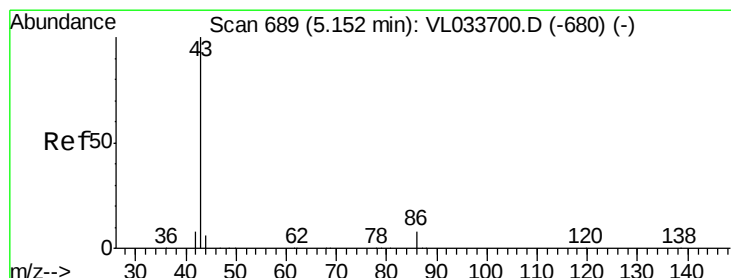
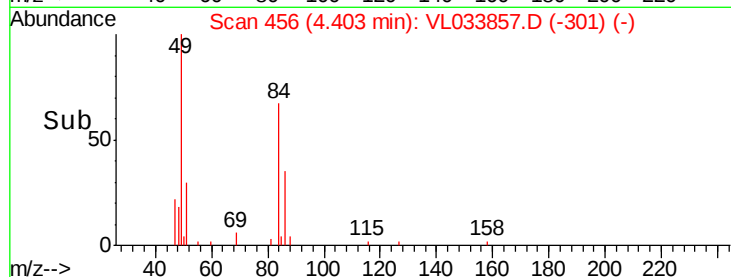
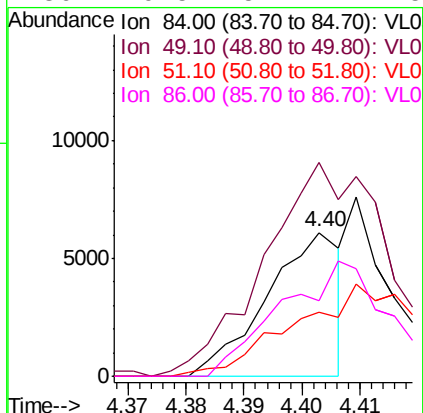
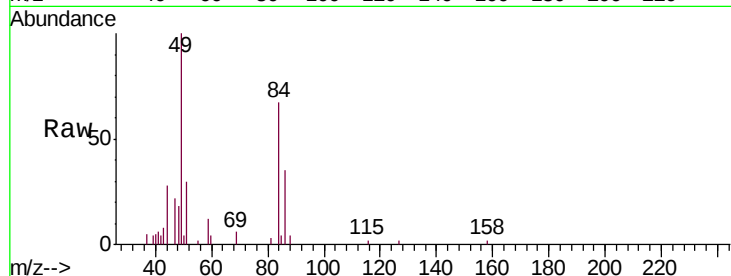




#20
Methylene Chloride
Concen: 0.147 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

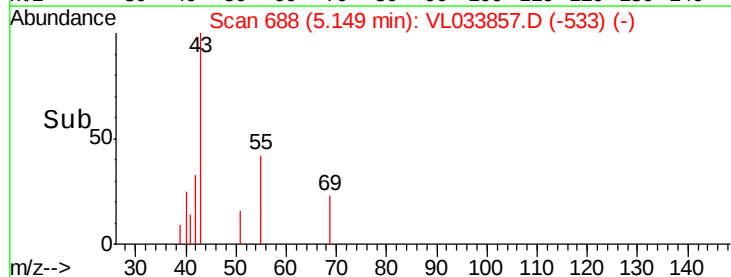
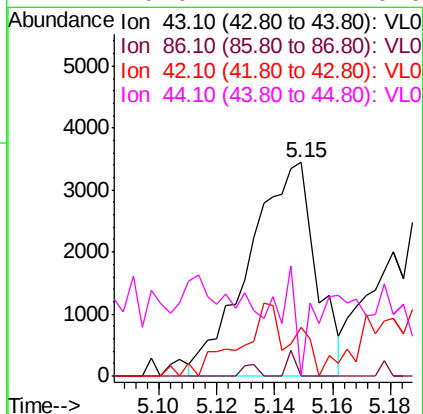
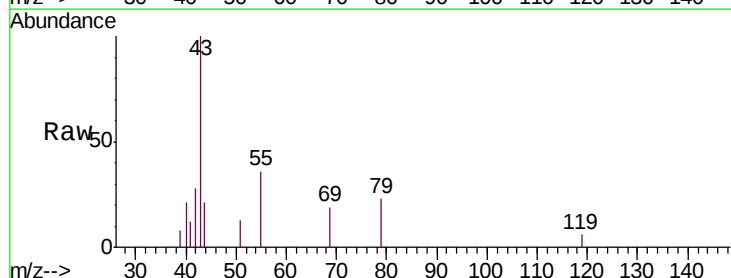
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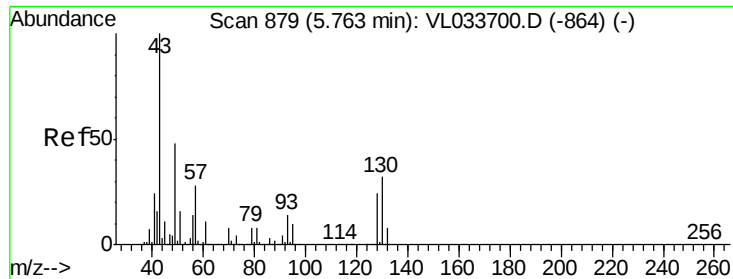
Tgt Ion: 84 Resp: 5444
Ion Ratio Lower Upper
84 100
49 130.5 112.8 169.2
51 39.3 33.4 50.0
86 49.5 51.7 77.5#



#23
Vinyl Acetate
Concen: 0.043 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 43 Resp: 5492
Ion Ratio Lower Upper
43 100
86 0.0 6.0 9.0#
42 18.1 7.5 11.3#
44 0.0 4.4 6.6#

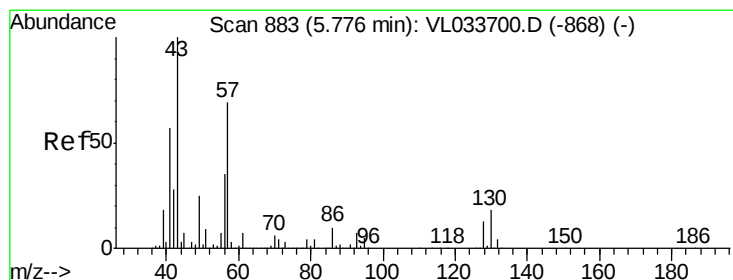
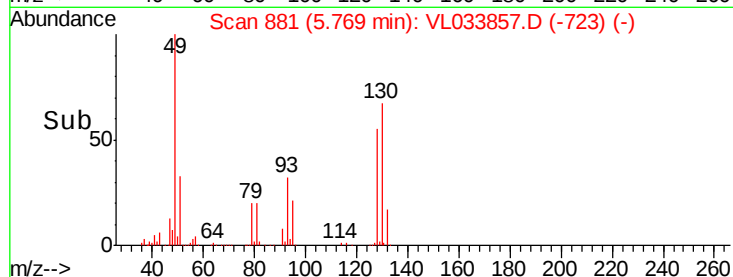
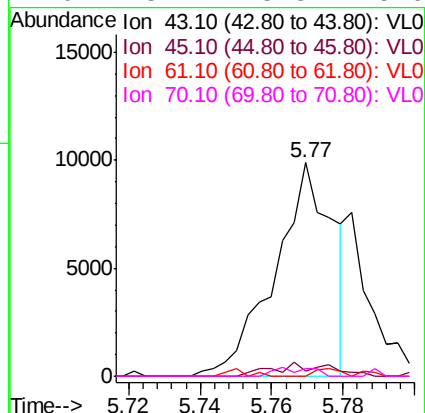
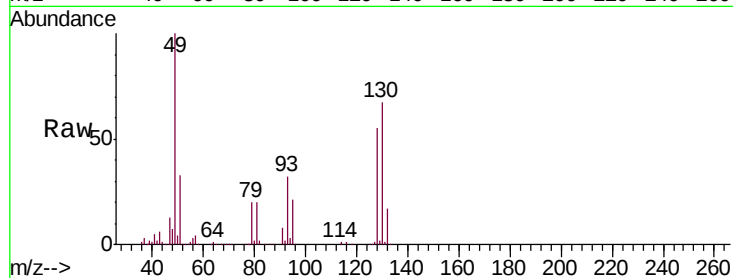




#25
Ethyl Acetate
Concen: 0.066 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

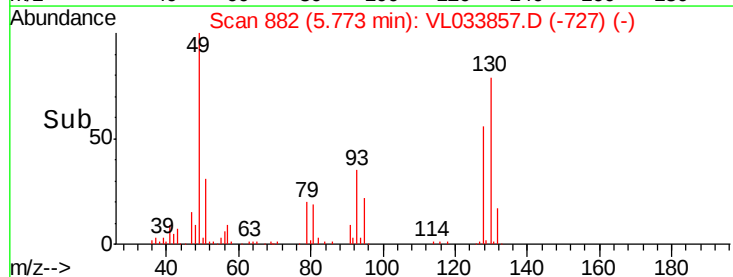
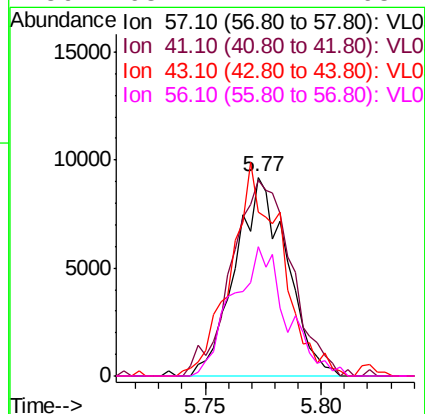
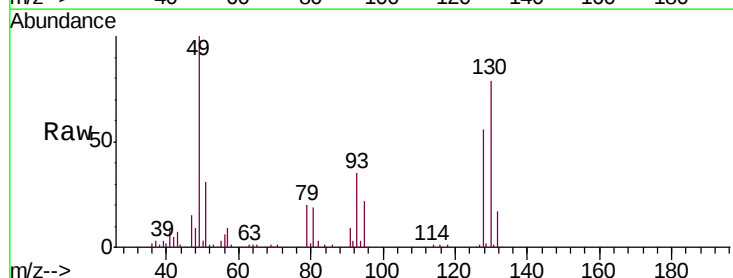
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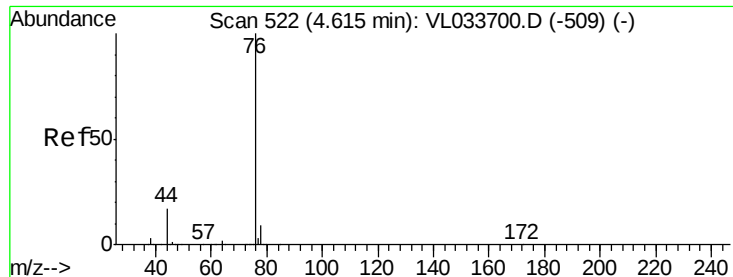
Tgt Ion:	43	Resp:	11117
Ion	Ratio	Lower	Upper
43	100		
45	7.0	7.9	11.9#
61	1.2	7.7	11.5#
70	3.4	5.8	8.6#



#26
Hexane
Concen: 0.196 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion:	57	Resp:	14252
Ion	Ratio	Lower	Upper
57	100		
41	114.7	69.8	104.6#
43	106.4	181.8	272.6#
56	68.2	42.1	63.1#

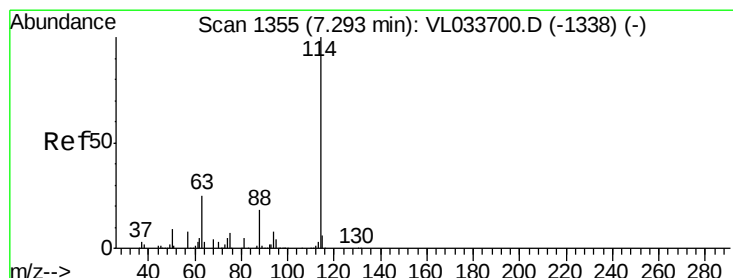
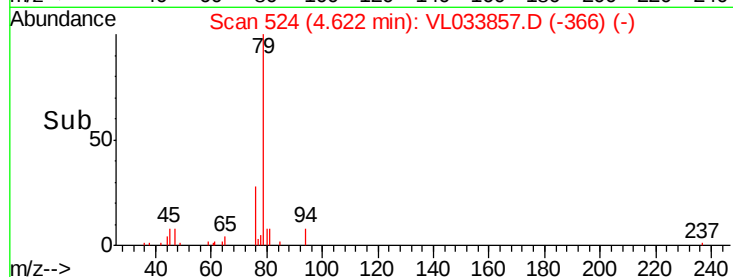
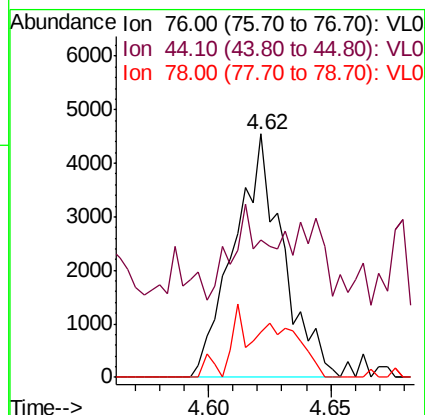
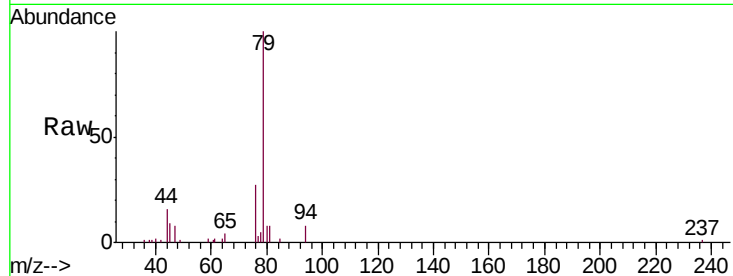




#27
Carbon Disulfide
Concen: 0.064 ppbv
RT: 4.62 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

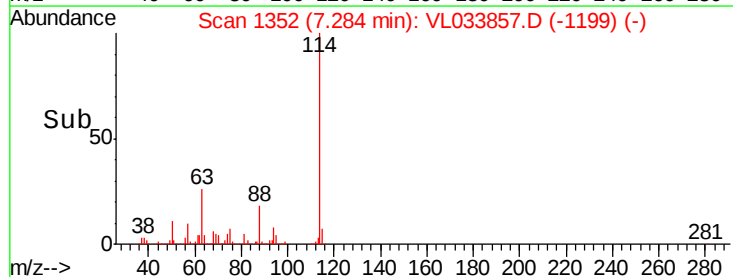
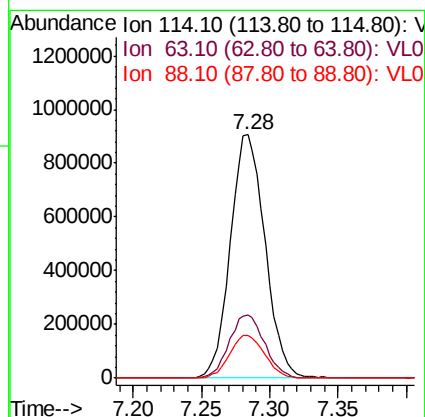
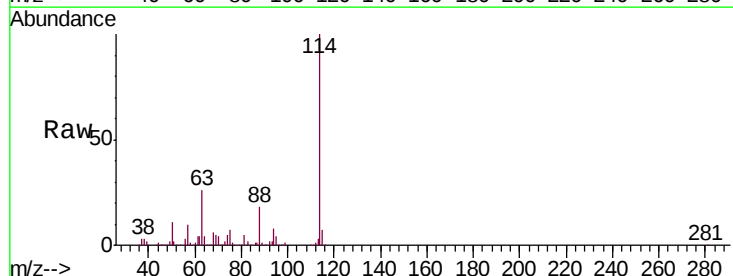
Instrument :
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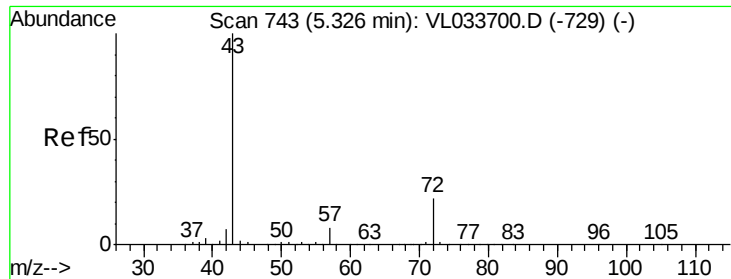
Tgt Ion: 76 Resp: 6337
Ion Ratio Lower Upper
76 100
44 61.0 13.8 20.8#
78 29.3 7.4 11.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 114 Resp: 1600148
Ion Ratio Lower Upper
114 100
63 26.5 20.9 31.3
88 17.8 14.3 21.5

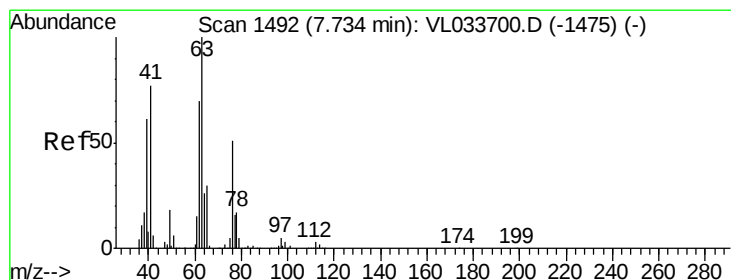
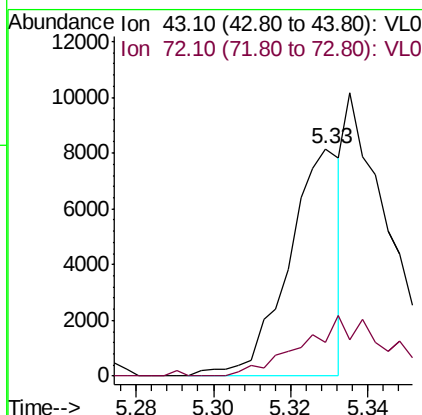
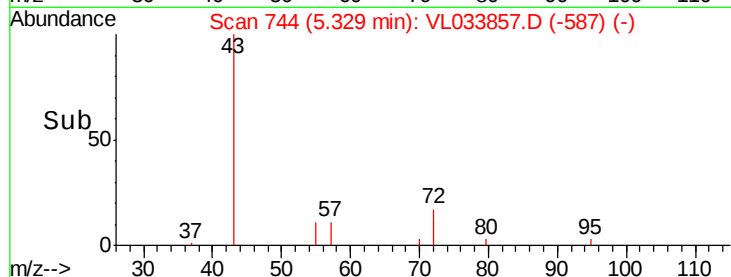
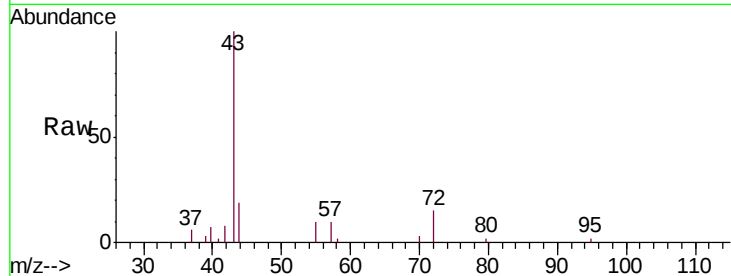




#34
2-Butanone
Concen: 0.077 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

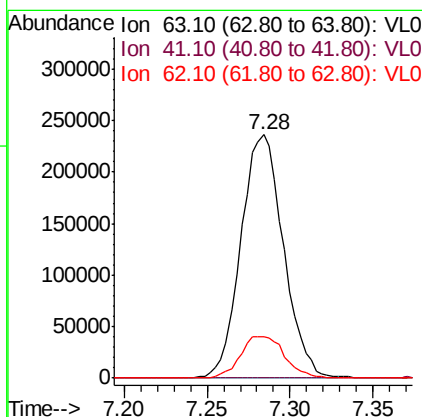
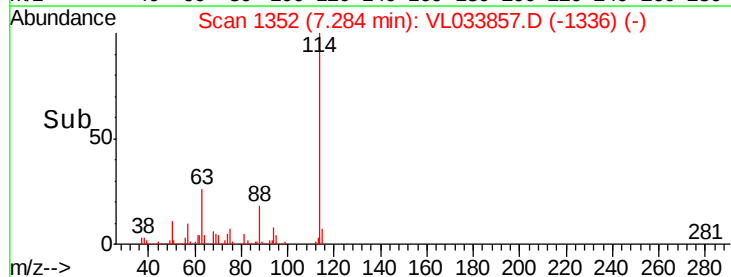
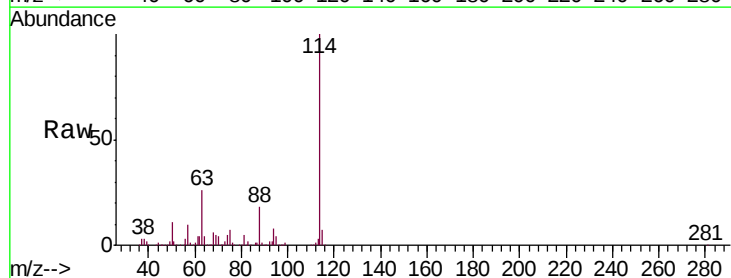
Instrument :
MSVOA_L
ClientSampleId :
SG-4-20190523-ODL

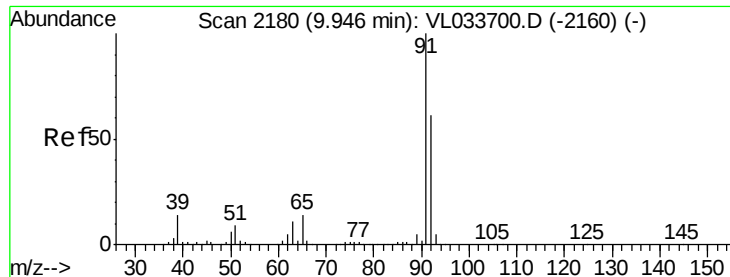
Tgt Ion: 43 Resp: 7681
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6#



#39
1,2-Dichloropropane
Concen: 7.783 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033857.D
Acq: 30 May 2019 5:32

Tgt Ion: 63 Resp: 422356
Ion Ratio Lower Upper
63 100
41 0.0 61.5 92.3#
62 17.1 56.2 84.4#





#53

Toluene

Concen: 0.134 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

ClientSampleId :

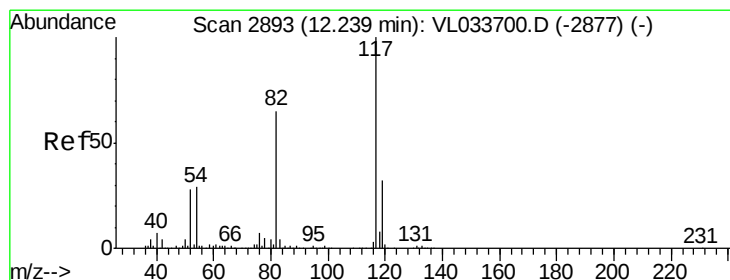
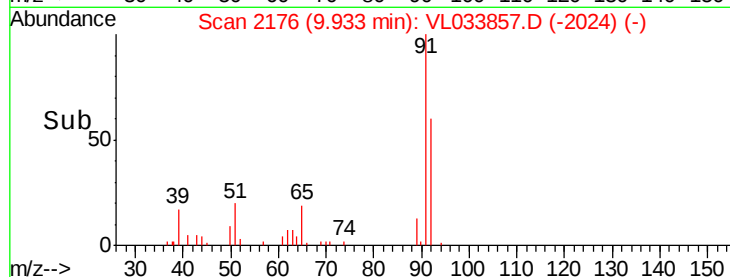
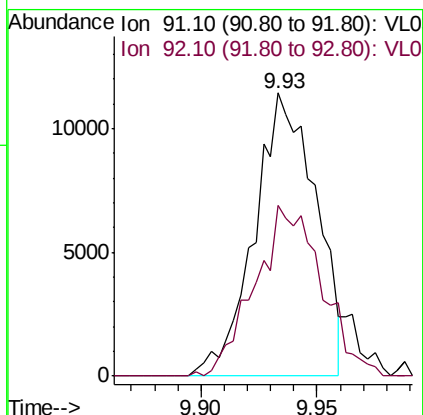
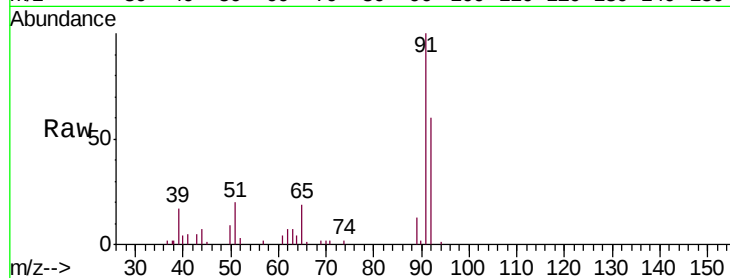
SG-4-20190523-ODL

Tgt Ion: 91 Resp: 21072

Ion Ratio Lower Upper

91 100

92 65.3 47.6 71.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

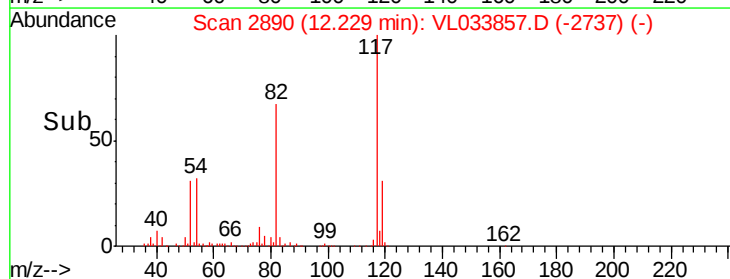
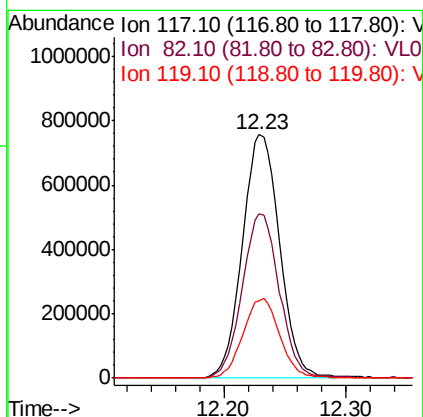
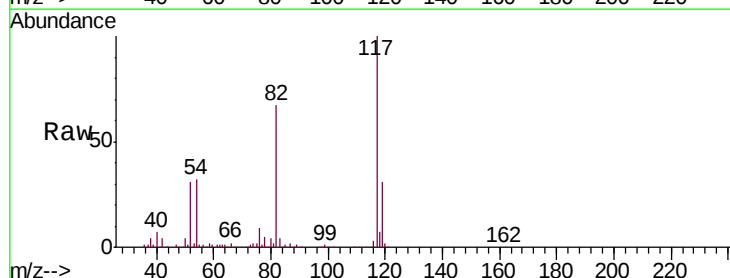
Tgt Ion: 117 Resp: 1592973

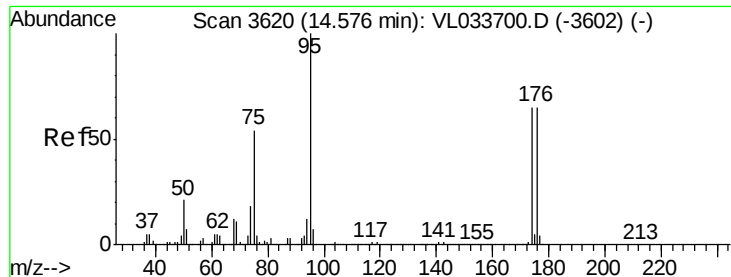
Ion Ratio Lower Upper

117 100

82 67.5 49.4 74.0

119 32.4 24.9 37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.785 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033857.D

Acq: 30 May 2019 5:32

Instrument :

MSVOA_L

ClientSampleId :

SG-4-20190523-0DL

Tgt Ion: 95 Resp: 1263581

Ion Ratio Lower Upper

95 100

174 67.0 53.9 80.9

175 4.7 3.8 5.8

