

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
 Data File : VL034550.D
 Acq On : 2 Jan 2020 17:19
 Operator : SY/AP
 Sample : K6473-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MJ-2DL

Quant Time: Jan 03 01:11:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	972188	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1898291	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	1863101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1559483	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

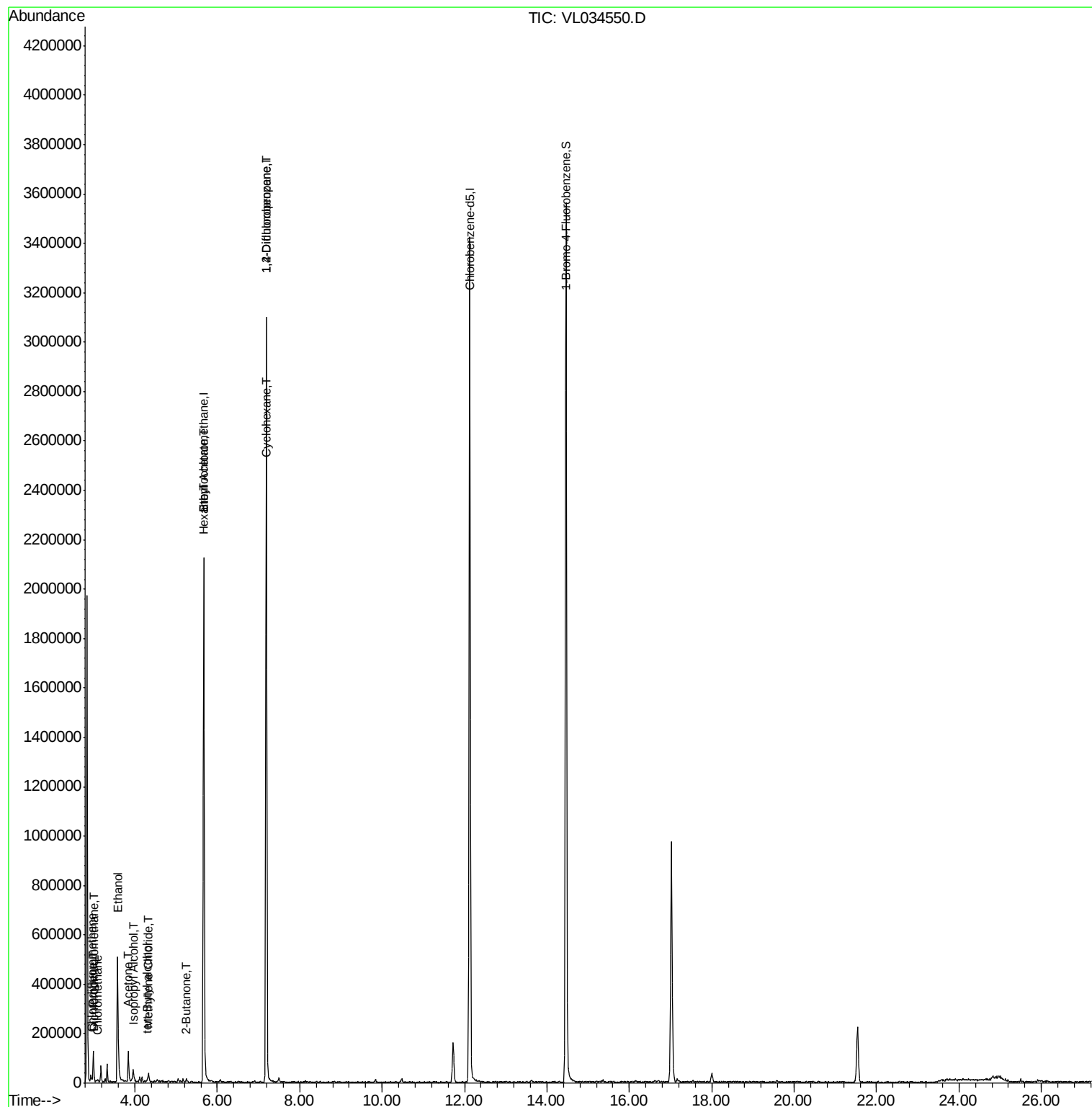
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	4628	0.030	ppbv	93
3) Chlorodifluoromethane	2.96	51	26421	0.228	ppbv #	74
4) Chloromethane	3.11	50	1590	0.023	ppbv #	65
9) Propene	2.99	41	25801	0.578	ppbv #	75
13) Ethanol	3.57	45	501699	40.489	ppbv	99
15) Acetone	3.84	43	109877	0.774	ppbv	97
17) tert-Butyl alcohol	4.30	59	5385	0.047	ppbv	95
19) Isopropyl Alcohol	3.95	45	49141	0.535	ppbv #	89
20) Methylene Chloride	4.32	84	4769	0.085	ppbv #	84
25) Ethyl Acetate	5.68	43	4611	0.021	ppbv #	66
26) Hexane	5.68	57	3064	0.033	ppbv #	8
30) Cyclohexane	7.17	84	2693	0.039	ppbv #	1
34) 2-Butanone	5.24	43	14104	0.104	ppbv	96
39) 1,2-Dichloropropane	7.19	63	565922	8.317	ppbv #	21

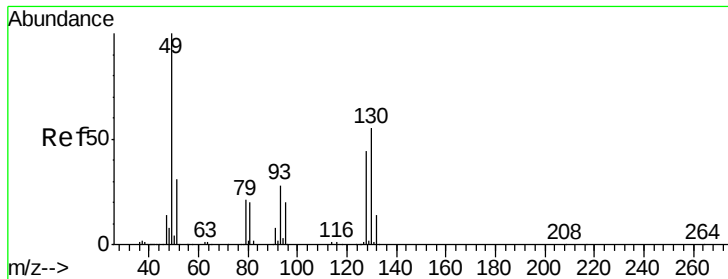
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL010220\
Data File : VL034550.D
Acq On : 2 Jan 2020 17:19
Operator : SY/AP
Sample : K6473-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MJ-2DL

Quant Time: Jan 03 01:11:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
QLast Update : Mon Dec 30 14:58:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Instrument :

MSVOA_L

ClientSampled :

MJ-2DL

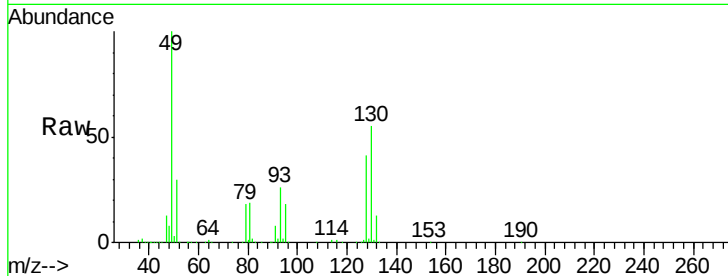
Tgt Ion: 49 Resp: 972188

Ion Ratio Lower Upper

49 100

128 43.9 22.4 67.2

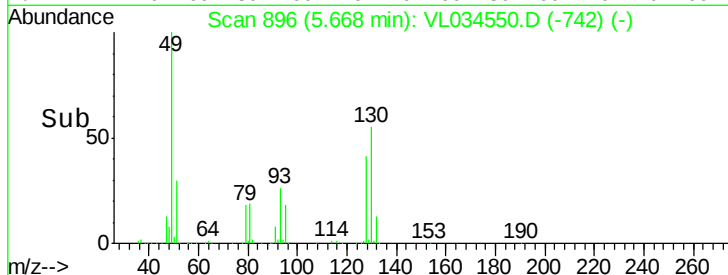
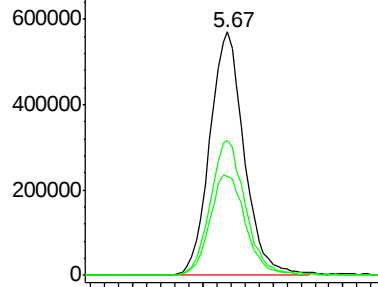
130 57.5 28.3 85.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

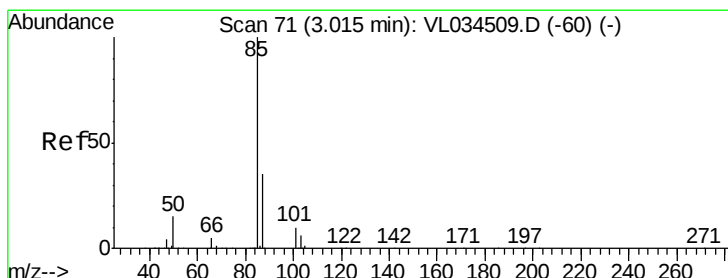
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Scan 896 (5.668 min): VL034550.D (-742) (-)

Time-->



#2

Dichlorodifluoromethane

Concen: 0.030 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL034550.D

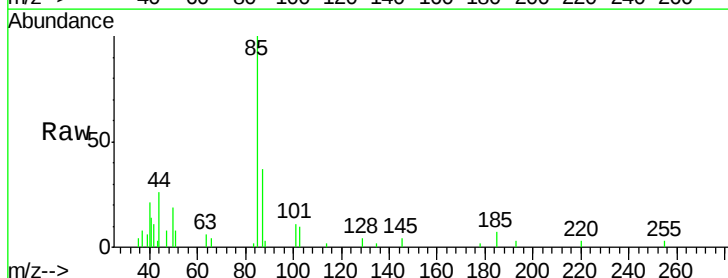
Acq: 2 Jan 2020 17:19

Tgt Ion: 85 Resp: 4628

Ion Ratio Lower Upper

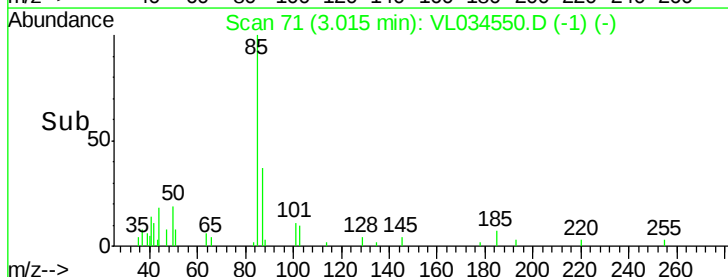
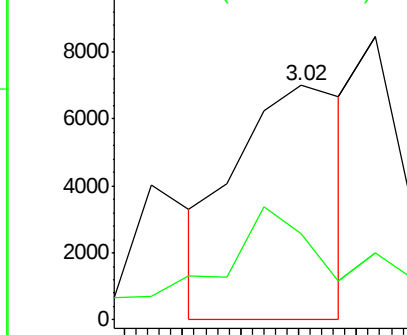
85 100

87 38.8 27.9 41.9



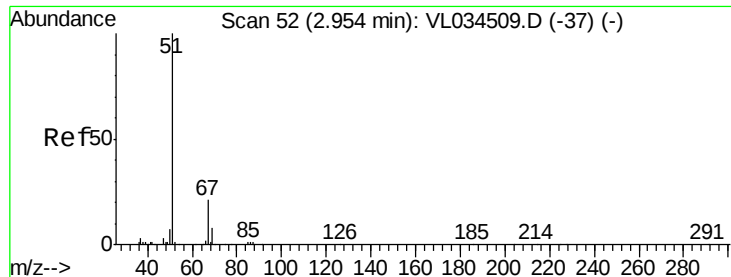
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Scan 71 (3.015 min): VL034550.D (-1) (-)

Time-->



#3

Chlorodifluoromethane

Concen: 0.228 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Instrument :

MSVOA_L

ClientSampleId :

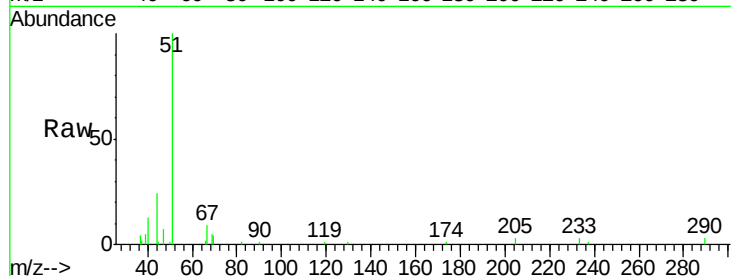
MJ-2DL

Tgt Ion: 51 Resp: 26421

Ion Ratio Lower Upper

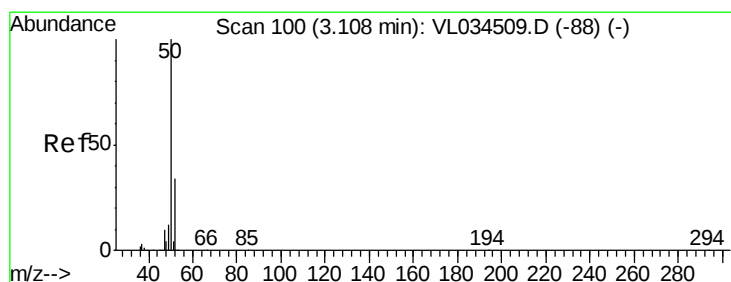
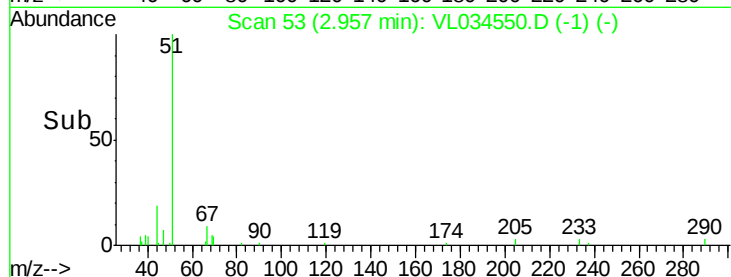
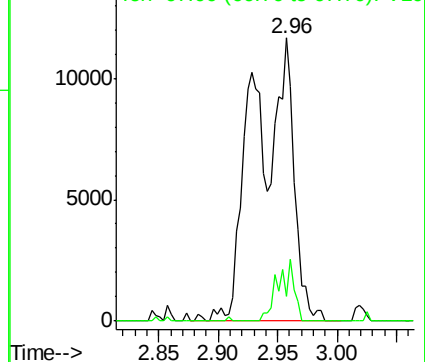
51 100

67 8.9 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.023 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034550.D

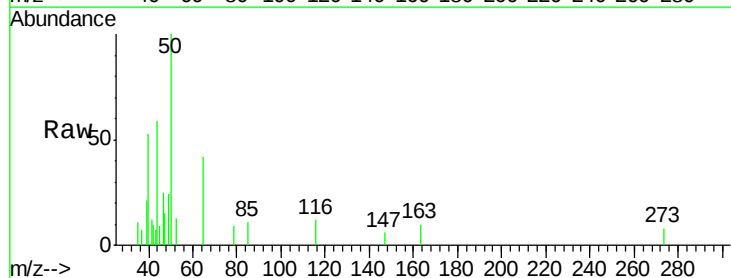
Acq: 2 Jan 2020 17:19

Tgt Ion: 50 Resp: 1590

Ion Ratio Lower Upper

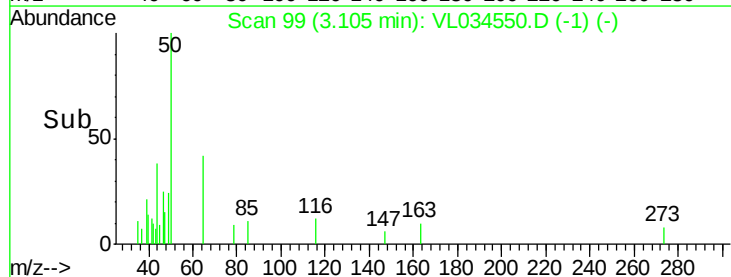
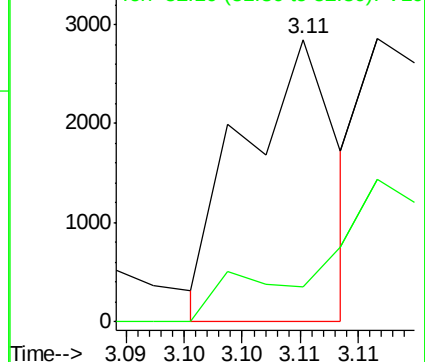
50 100

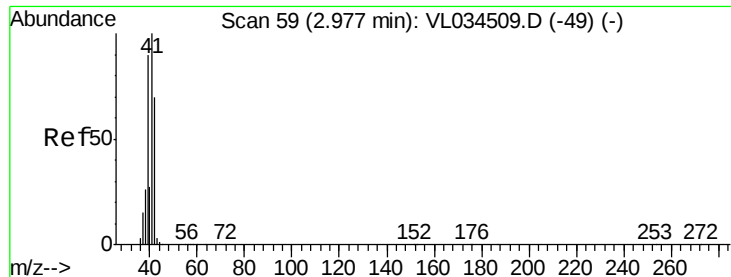
52 14.1 27.6 41.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

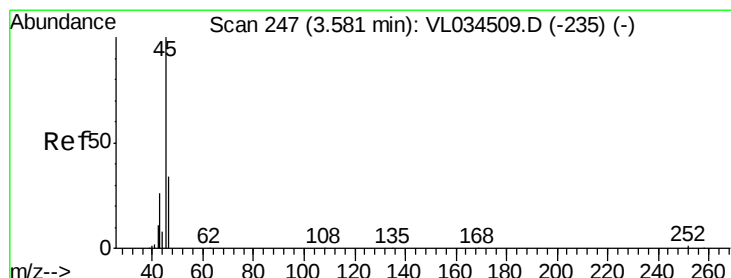
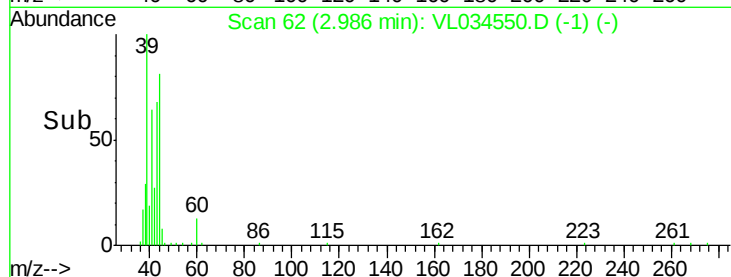
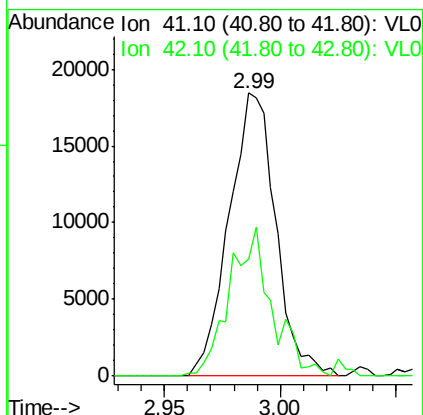
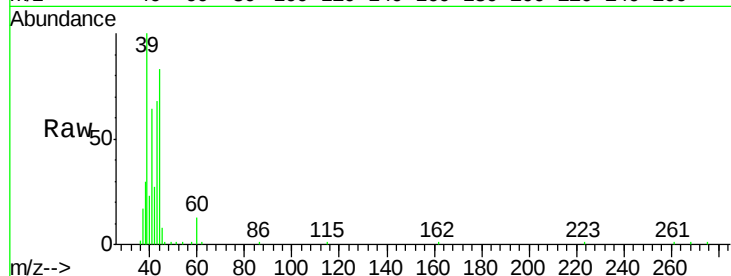




#9
 Propene
 Concen: 0.578 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.01 min
 Lab File: VL034550.D
 Acq: 2 Jan 2020 17:19

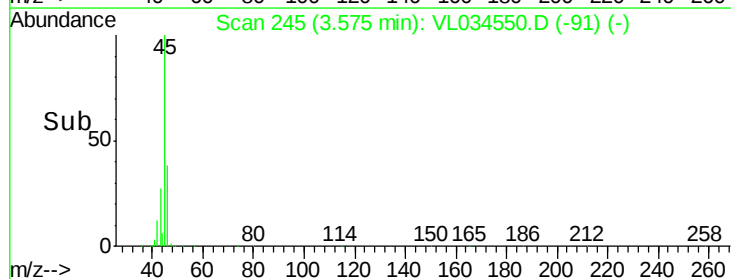
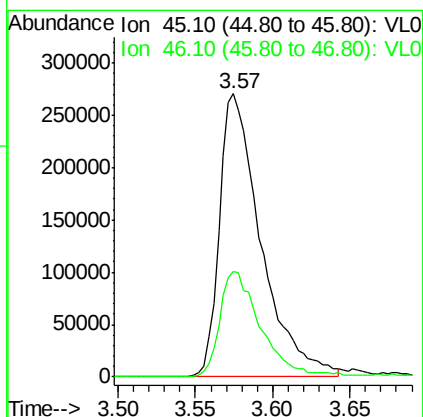
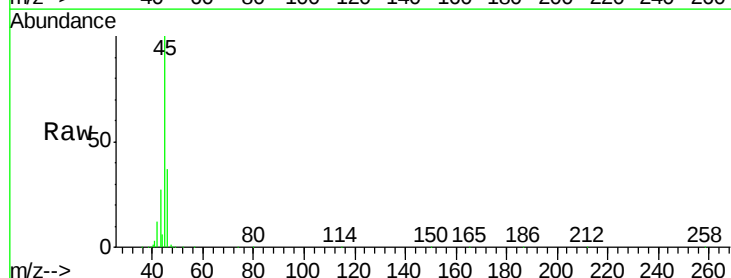
Instrument :
 MSVOA_L
 ClientSampleId :
 MJ-2DL

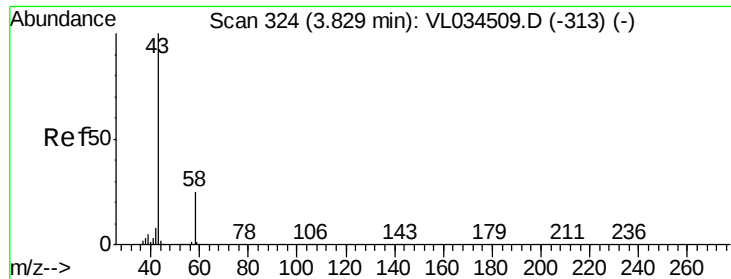
Tgt Ion: 41 Resp: 25801
 Ion Ratio Lower Upper
 41 100
 42 49.3 55.8 83.6#



#13
 Ethanol
 Concen: 40.489 ppbv
 RT: 3.57 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VL034550.D
 Acq: 2 Jan 2020 17:19

Tgt Ion: 45 Resp: 501699
 Ion Ratio Lower Upper
 45 100
 46 37.9 14.9 59.7





#15

Acetone

Concen: 0.774 ppbv

RT: 3.84 min Scan# 326

Delta R.T. 0.01 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Instrument :

MSVOA_L

ClientSampleId :

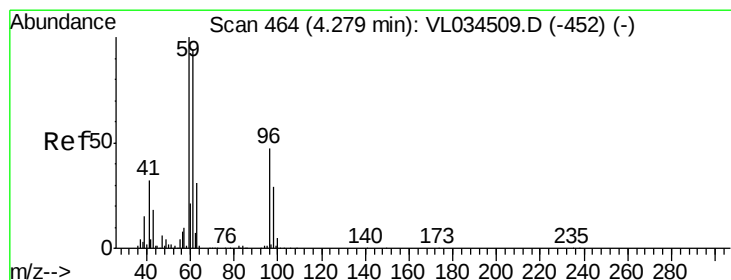
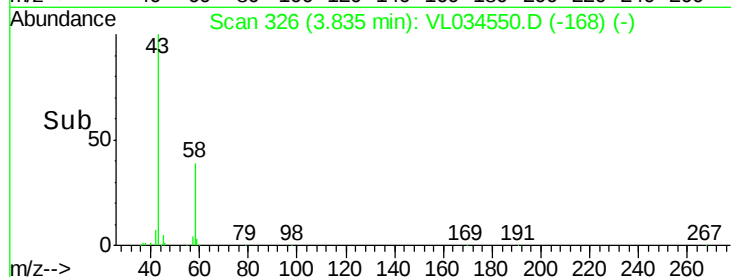
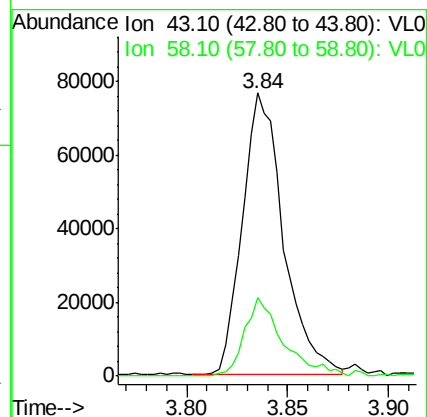
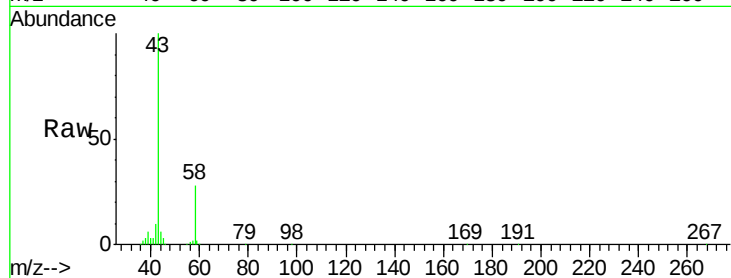
MJ-2DL

Tgt Ion: 43 Resp: 109877

Ion Ratio Lower Upper

43 100

58 26.9 20.4 30.6



#17

tert-Butyl alcohol

Concen: 0.047 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL034550.D

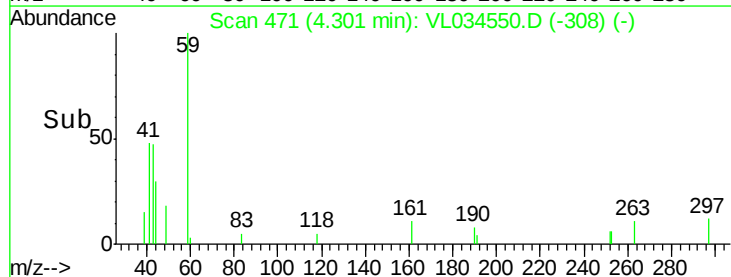
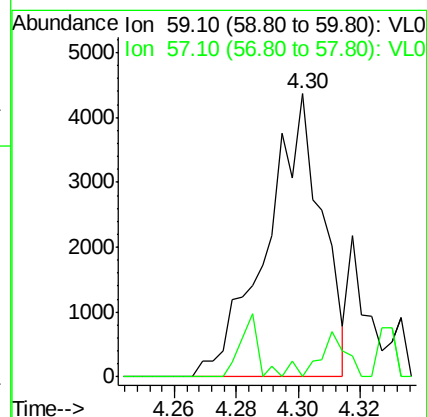
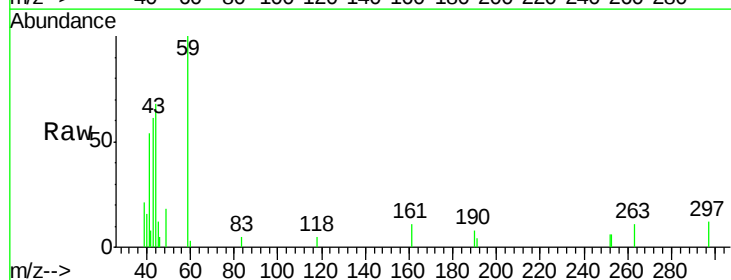
Acq: 2 Jan 2020 17:19

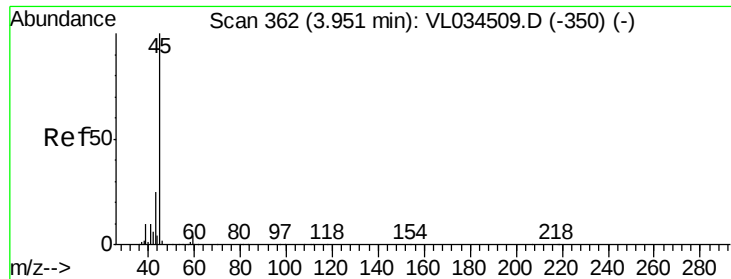
Tgt Ion: 59 Resp: 5385

Ion Ratio Lower Upper

59 100

57 8.8 8.6 12.8





#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Instrument :

MSVOA_L

ClientSampleId :

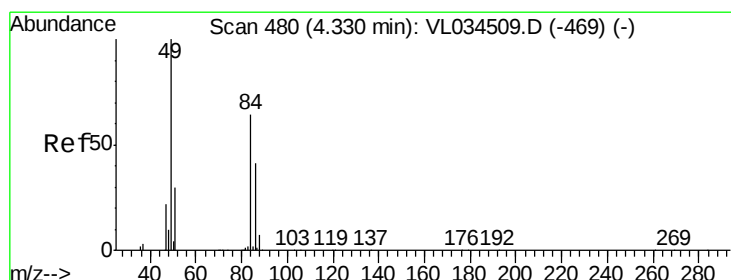
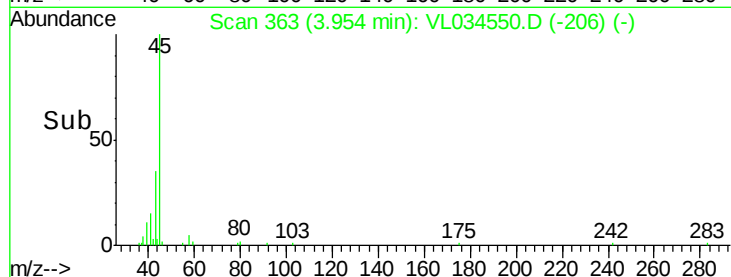
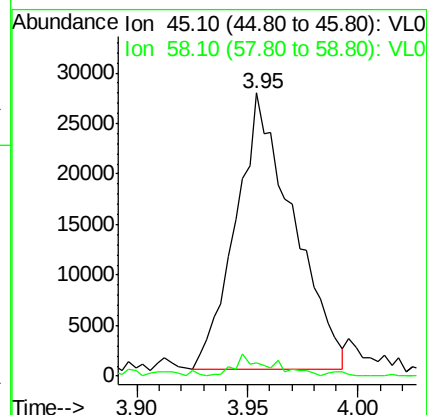
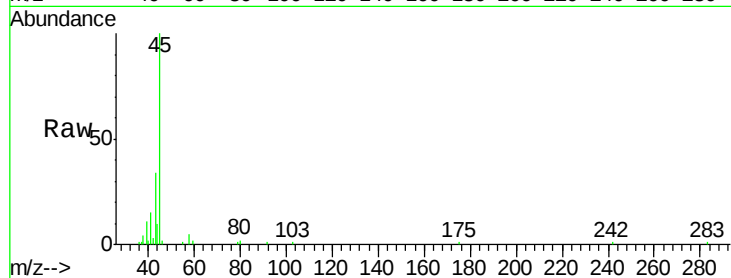
MJ-2DL

Tgt Ion: 45 Resp: 49141

Ion Ratio Lower Upper

45 100

58 5.6 1.4 2.0#



#20

Methylene Chloride

Concen: 0.085 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Tgt Ion: 84 Resp: 4769

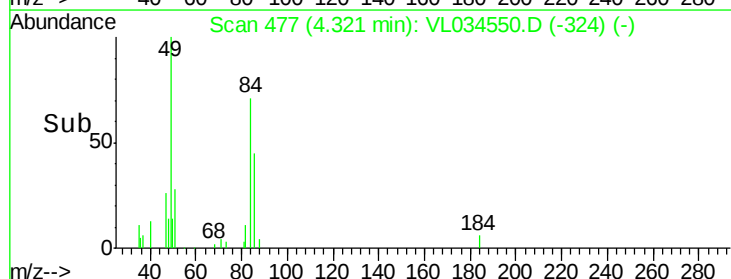
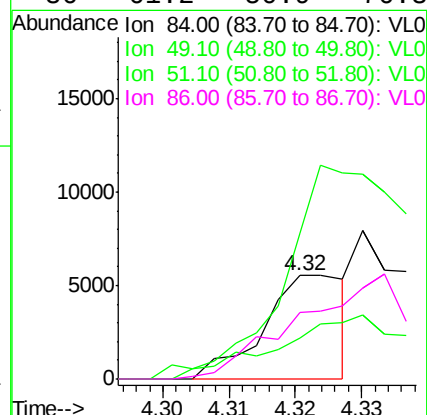
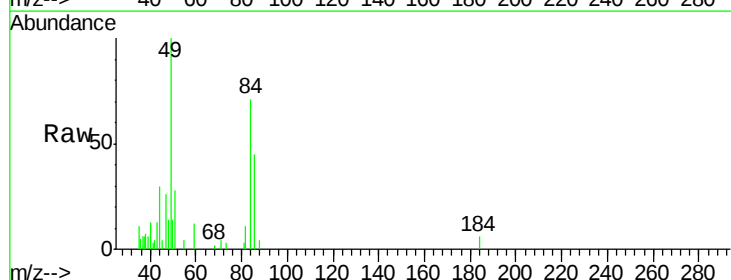
Ion Ratio Lower Upper

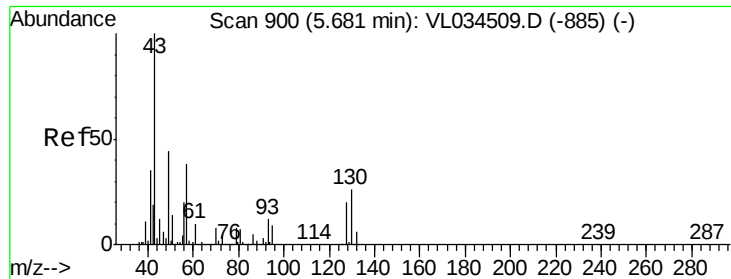
84 100

49 131.3 124.4 186.6

51 29.1 37.0 55.6#

86 61.2 50.9 76.3





#25

Ethyl Acetate

Concen: 0.021 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Instrument :

MSVOA_L

ClientSampleId :

MJ-2DL

Tgt Ion: 43 Resp: 4611

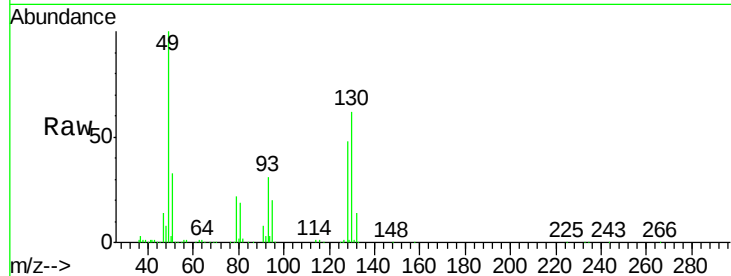
Ion Ratio Lower Upper

43 100

45 36.5 8.3 12.5#

61 13.1 7.8 11.6#

70 12.7 5.8 8.8#

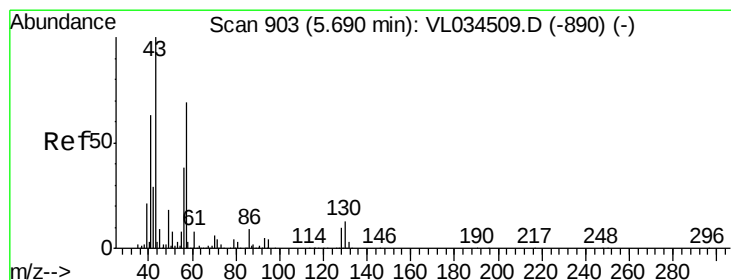
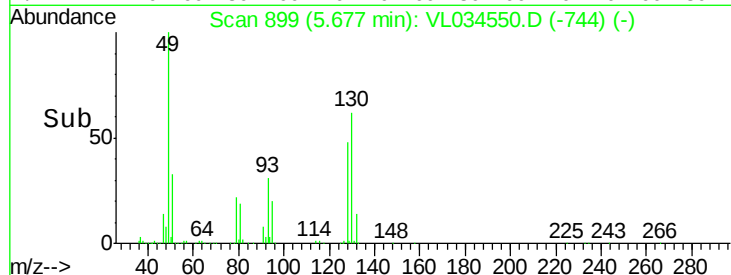
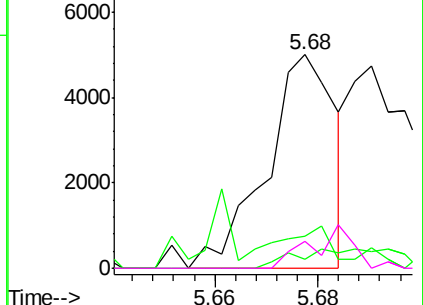


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.033 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.01 min

Lab File: VL034550.D

Acq: 2 Jan 2020 17:19

Tgt Ion: 57 Resp: 3064

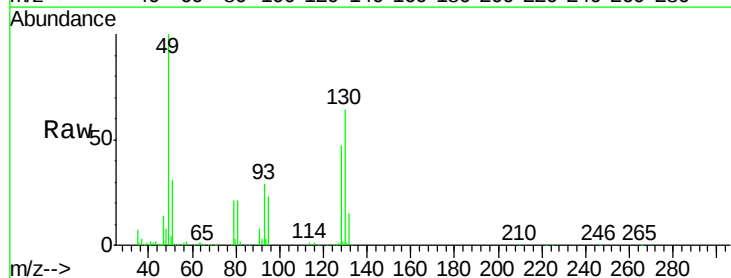
Ion Ratio Lower Upper

57 100

41 264.7 75.3 112.9#

43 308.1 189.4 284.2#

56 168.7 42.8 64.2#

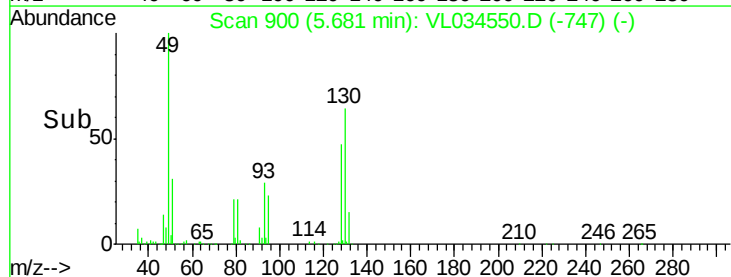
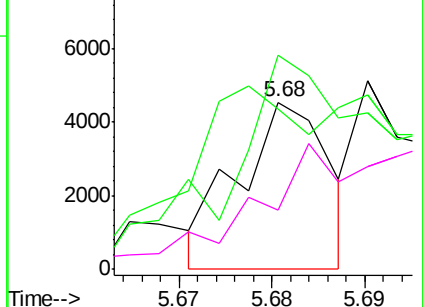


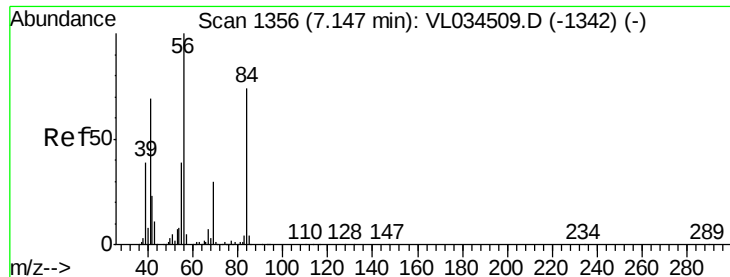
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

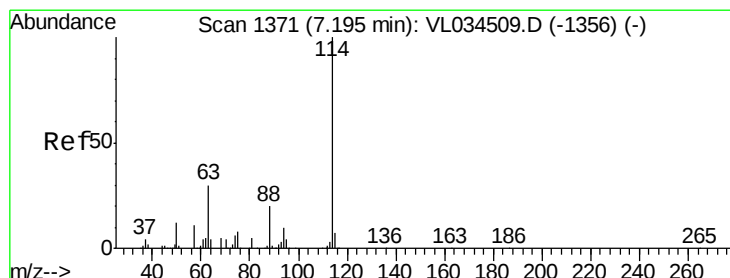
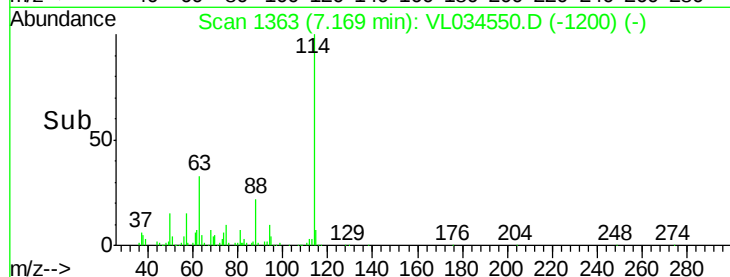
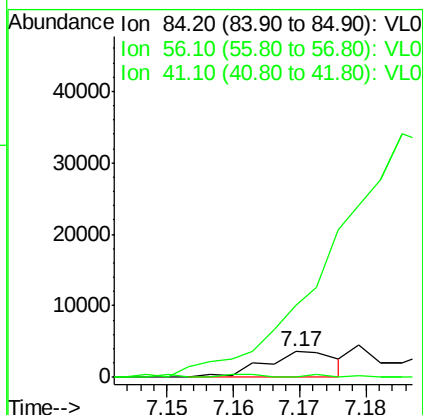
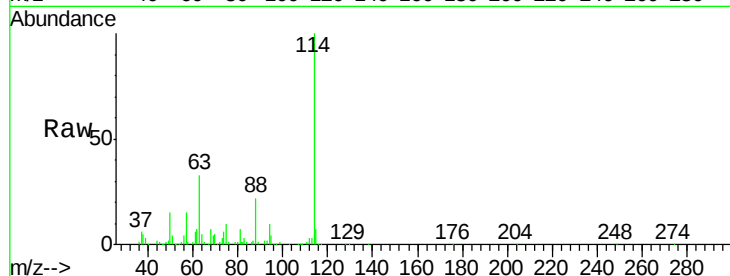




#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.02 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

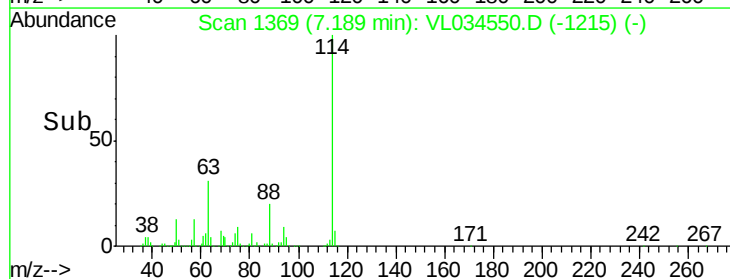
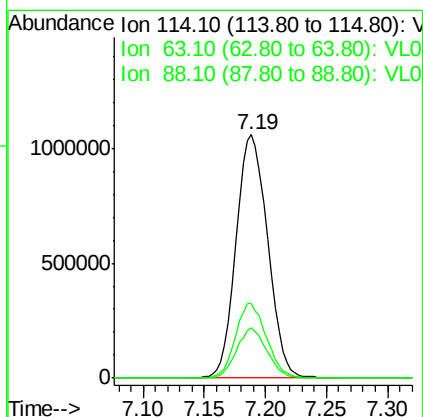
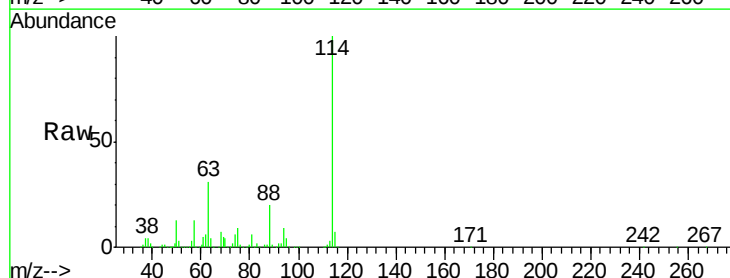
Instrument :
MSVOA_L
ClientSampleId :
MJ-2DL

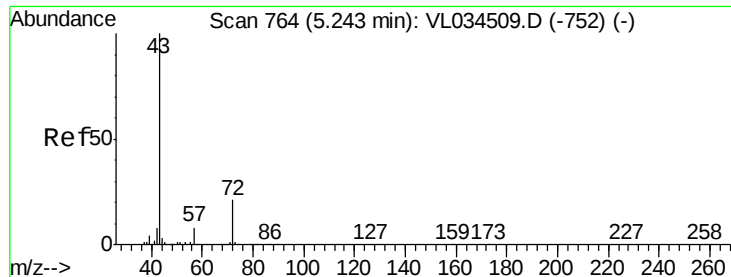
Tgt Ion: 84 Resp: 2693
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1#
41 12.8 73.0 109.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

Tgt Ion: 114 Resp: 1898291
Ion Ratio Lower Upper
114 100
63 29.9 24.1 36.1
88 19.7 15.7 23.5

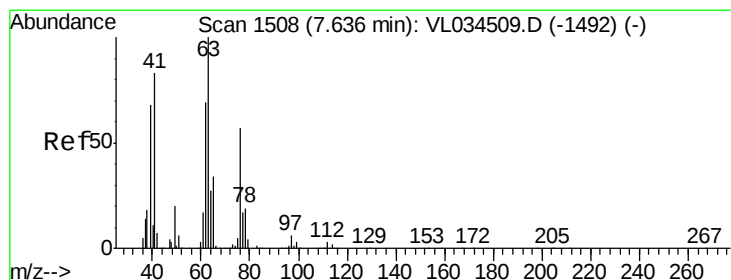
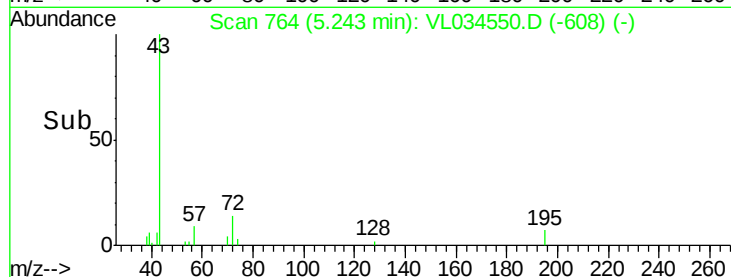
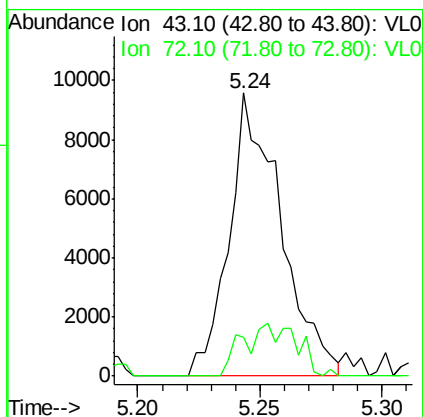
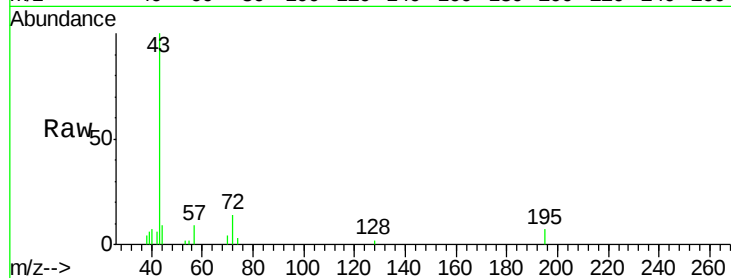




#34
2-Butanone
Concen: 0.104 ppbv
RT: 5.24 min Scan# 764
Delta R.T. 0.00 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

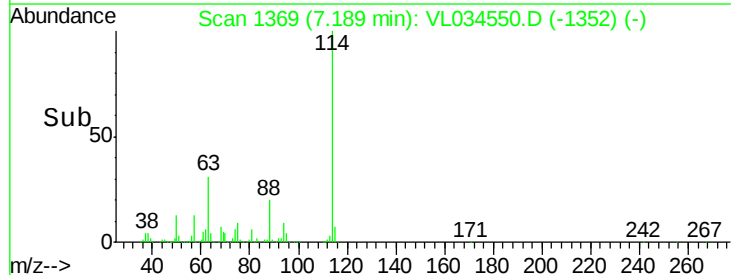
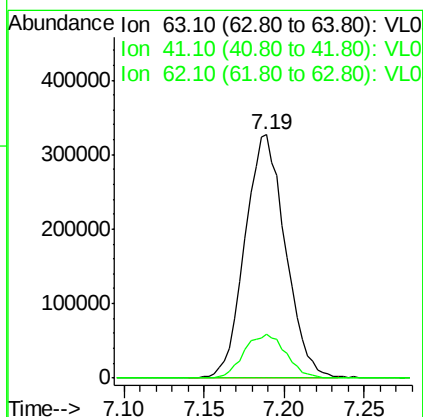
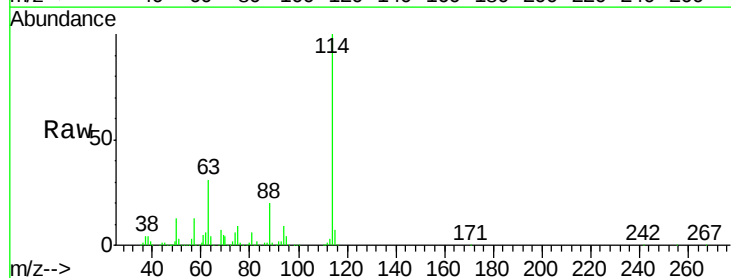
Instrument :
MSVOA_L
ClientSampleId :
MJ-2DL

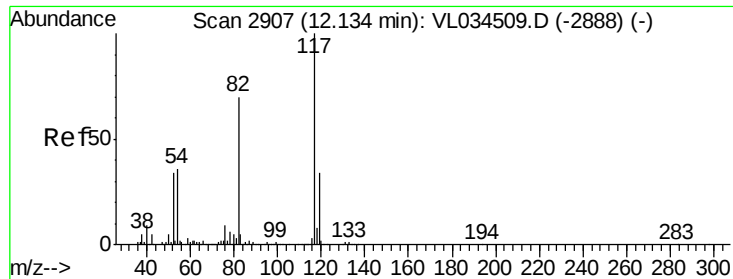
Tgt Ion: 43 Resp: 14104
Ion Ratio Lower Upper
43 100
72 19.5 17.0 25.4



#39
1,2-Dichloropropane
Concen: 8.317 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.45 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

Tgt Ion: 63 Resp: 565922
Ion Ratio Lower Upper
63 100
41 0.0 66.1 99.1#
62 17.9 54.9 82.3#

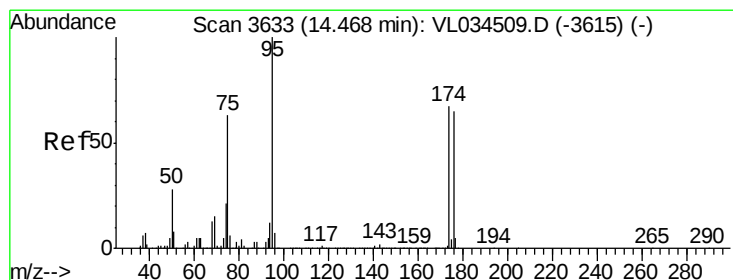
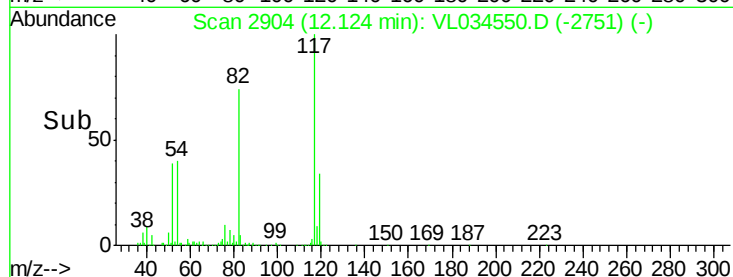
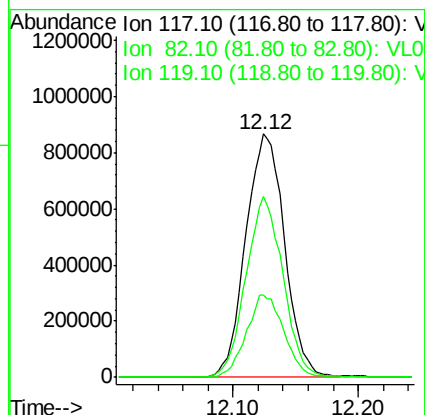
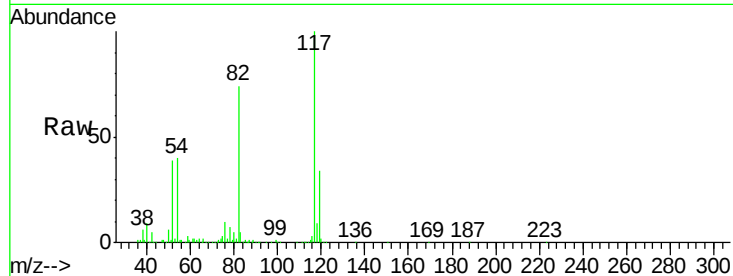




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

Instrument :
MSVOA_L
ClientSampleId :
MJ-2DL

Tgt Ion: 117 Resp: 1863101
Ion Ratio Lower Upper
117 100
82 71.2 56.2 84.4
119 33.0 27.1 40.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.031 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. -0.01 min
Lab File: VL034550.D
Acq: 2 Jan 2020 17:19

Tgt Ion: 95 Resp: 1559483
Ion Ratio Lower Upper
95 100
174 63.5 52.4 78.6
175 4.5 3.9 5.9

