

Data File : VL033926.D
Acq On : 14 Jun 2019 11:01
Operator : SY/AP
Sample : K3357-02DL 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL2

Quant Time: Jun 14 11:30:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	949555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2203534	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2245530	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1644942	8.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.20%

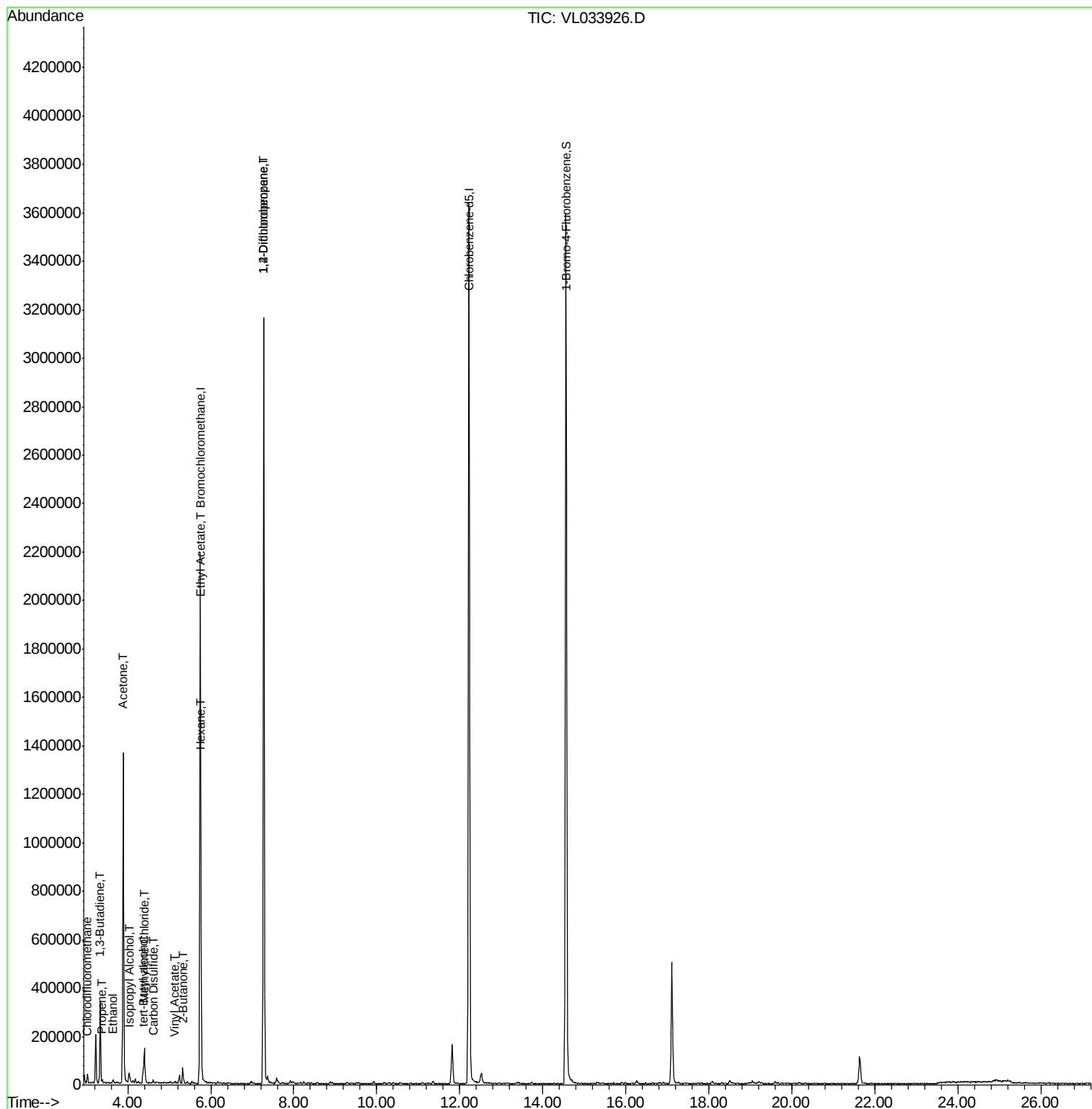
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.00	51	5362	0.048	ppbv #	86
9) Propene	3.39	41	2284	0.055	ppbv	93
13) Ethanol	3.65	45	14608	1.073	ppbv	96
15) Acetone	3.89	43	1337286	9.656	ppbv	97
16) 1,3-Butadiene	3.33	39	89102	1.690	ppbv #	13
17) tert-Butyl alcohol	4.37	59	36701	0.339	ppbv #	94
19) Isopropyl Alcohol	4.03	45	40061	0.506	ppbv #	94
20) Methylene Chloride	4.40	84	45224	0.837	ppbv	98
23) Vinyl Acetate	5.13	43	5382	0.033	ppbv #	84
25) Ethyl Acetate	5.76	43	43303	0.205	ppbv #	79
26) Hexane	5.77	57	59909	0.624	ppbv #	39
27) Carbon Disulfide	4.61	76	4734	0.035	ppbv #	3
34) 2-Butanone	5.33	43	73063	0.588	ppbv	97
39) 1,2-Dichloropropane	7.27	63	556696	8.569	ppbv #	25

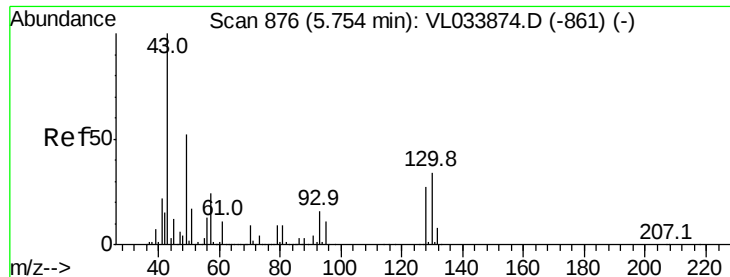
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

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SG-3R-20190612DL2

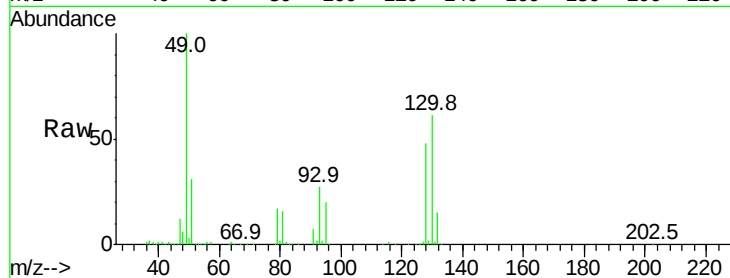
Tgt Ion: 49 Resp: 949555

Ion Ratio Lower Upper

49 100

128 49.5 25.5 76.5

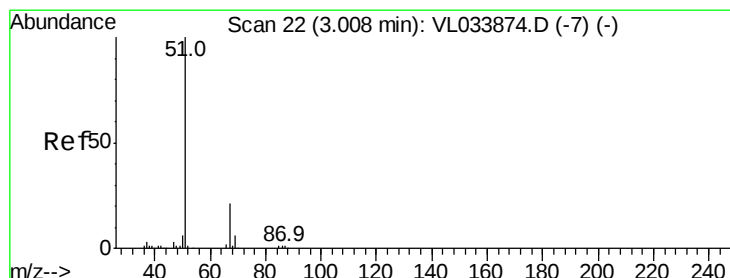
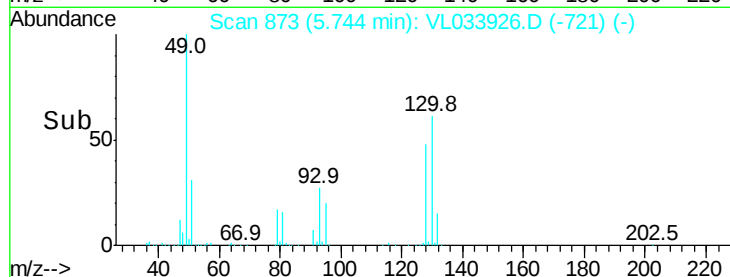
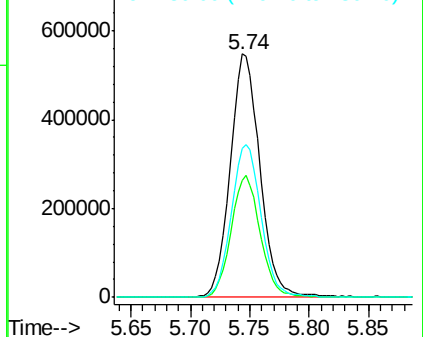
130 63.9 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.048 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033926.D

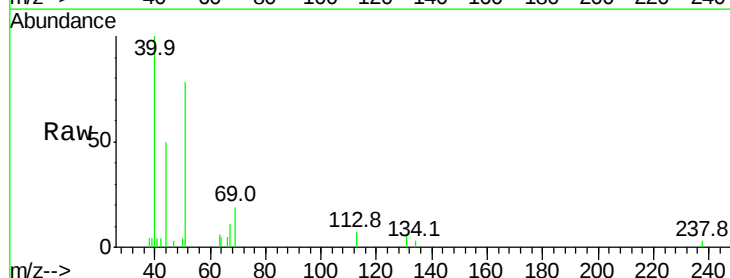
Acq: 14 Jun 2019 11:01

Tgt Ion: 51 Resp: 5362

Ion Ratio Lower Upper

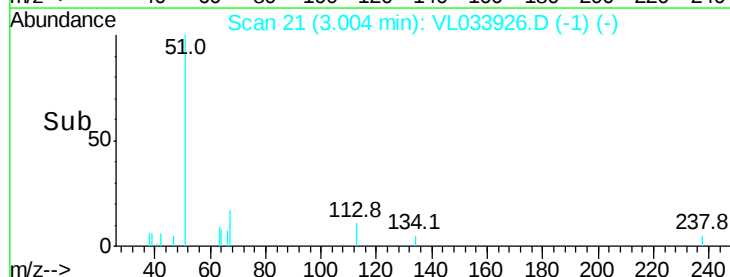
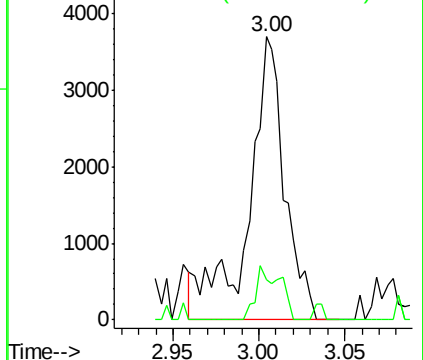
51 100

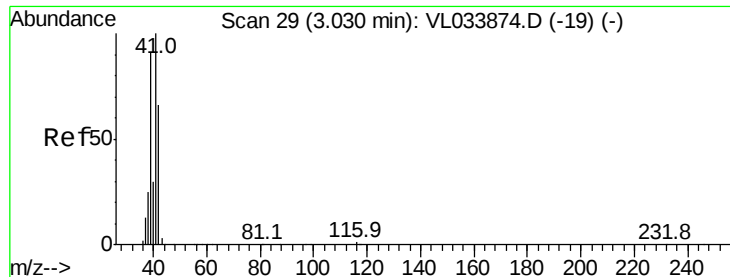
67 14.1 16.4 24.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.055 ppbv

RT: 3.39 min Scan# 140

Delta R.T. 0.36 min

Lab File: VL033926.D

Acq: 14 Jun 2019 11:01

Instrument :

MSVOA_L

ClientSampleId :

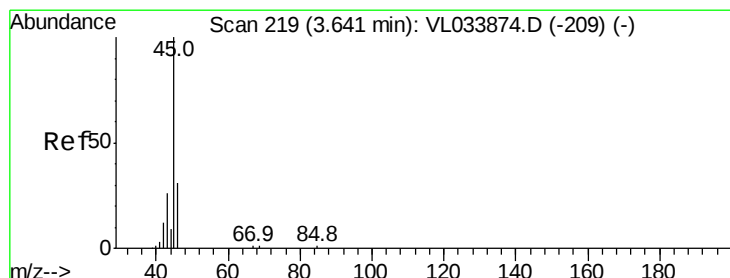
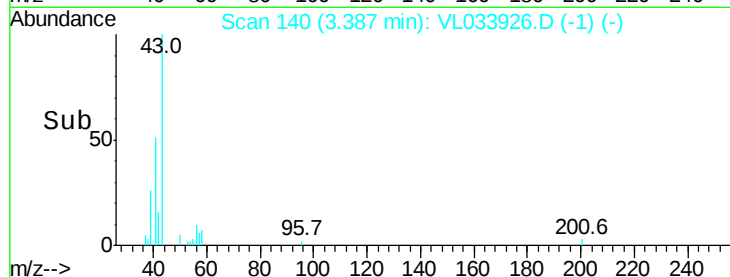
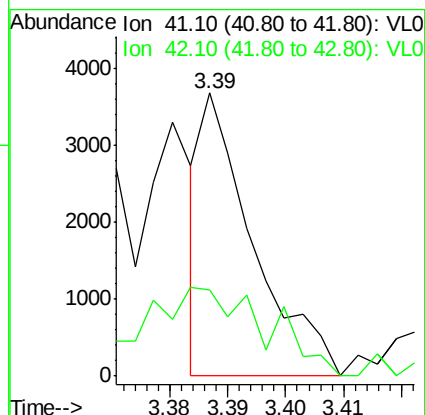
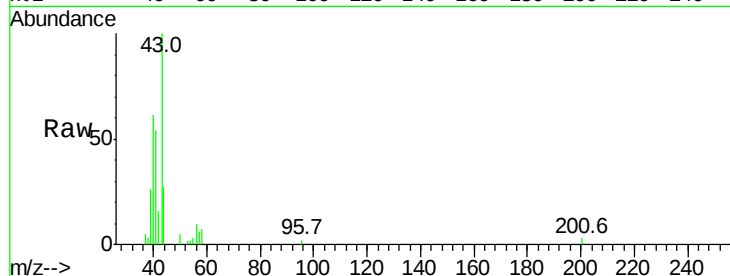
SG-3R-20190612DL2

Tgt Ion: 41 Resp: 2284

Ion Ratio Lower Upper

41 100

42 64.4 56.3 84.5



#13

Ethanol

Concen: 1.073 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033926.D

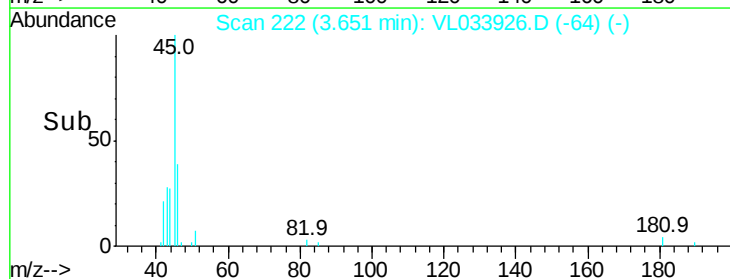
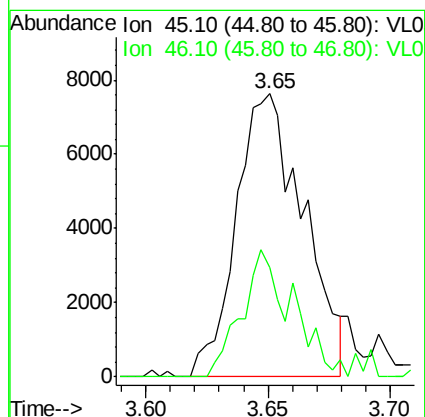
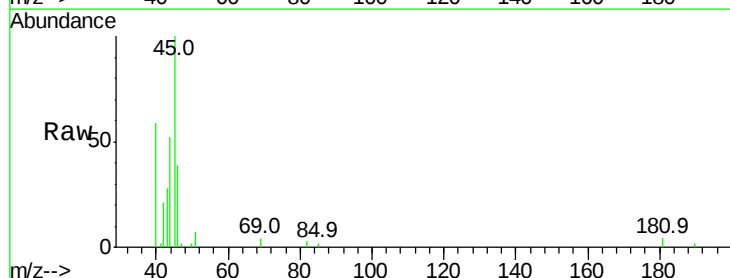
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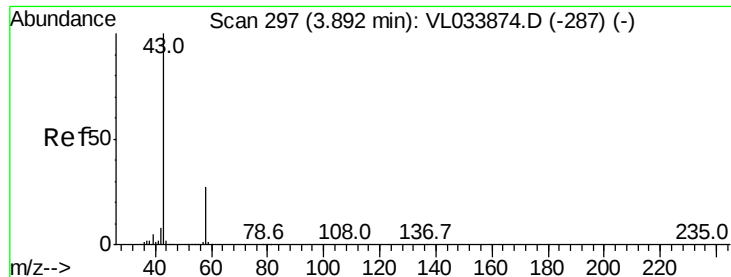
Tgt Ion: 45 Resp: 14608

Ion Ratio Lower Upper

45 100

46 36.0 15.3 61.1





#15

Acetone

Concen: 9.656 ppbv

RT: 3.89 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL033926.D

Acq: 14 Jun 2019 11:01

Instrument :

MSVOA_L

ClientSampleId :

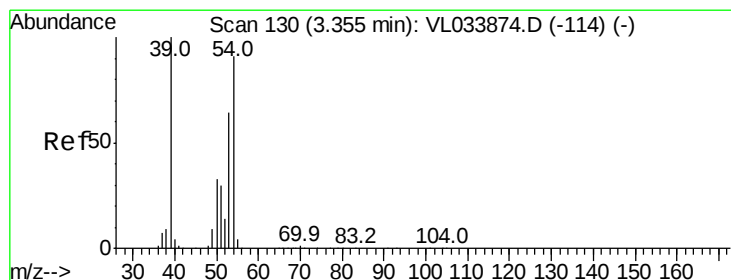
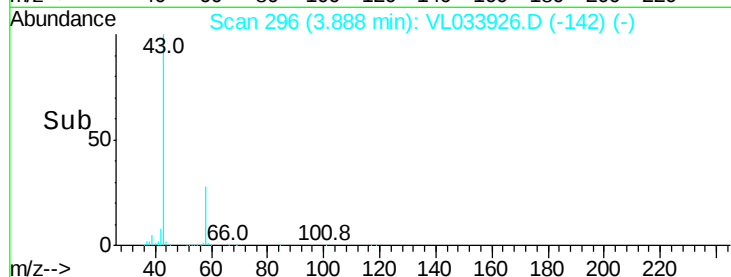
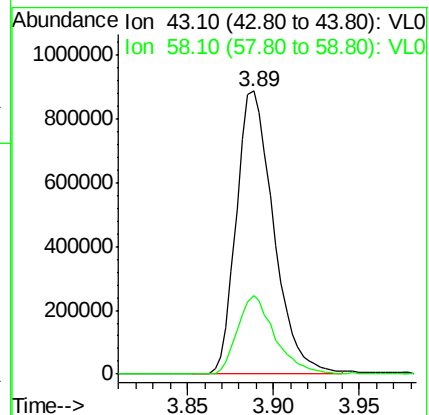
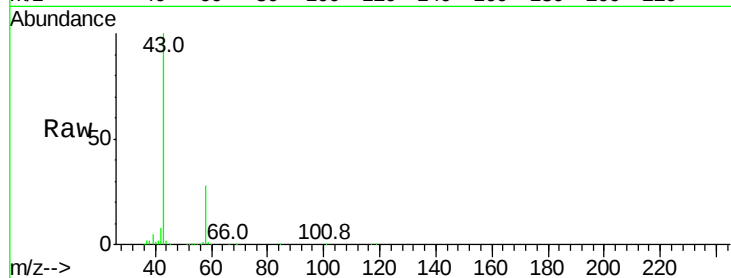
SG-3R-20190612DL2

Tgt Ion: 43 Resp: 1337286

Ion Ratio Lower Upper

43 100

58 28.4 21.3 31.9



#16

1,3-Butadiene

Concen: 1.690 ppbv

RT: 3.33 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL033926.D

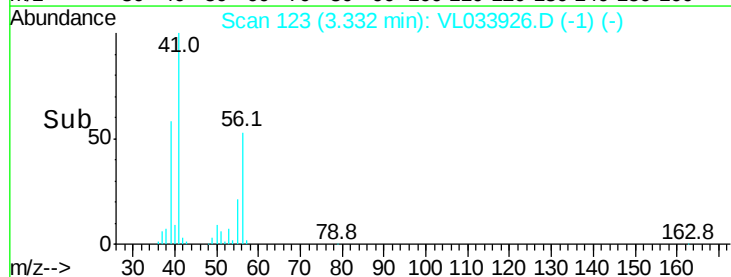
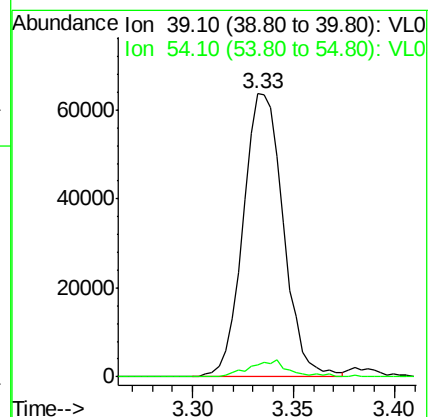
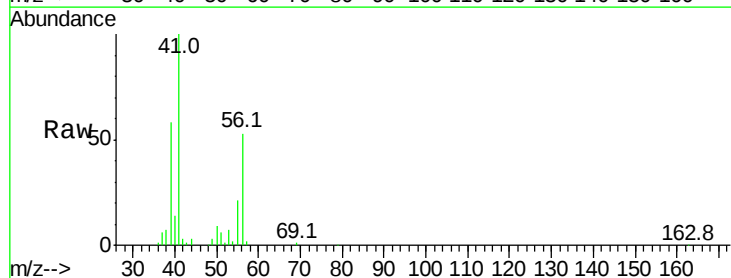
Acq: 14 Jun 2019 11:01

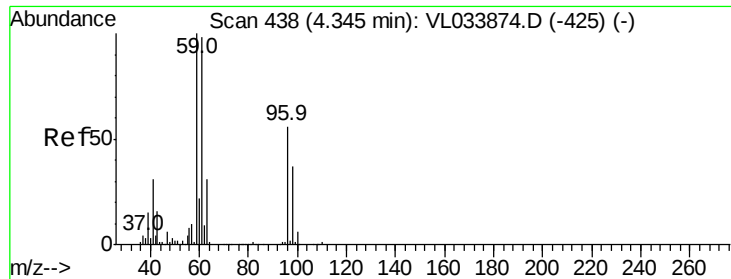
Tgt Ion: 39 Resp: 89102

Ion Ratio Lower Upper

39 100

54 6.0 68.6 103.0#



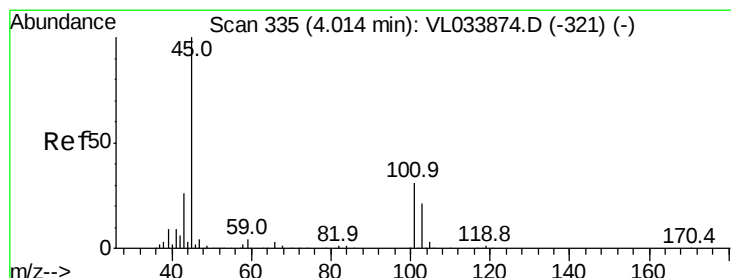
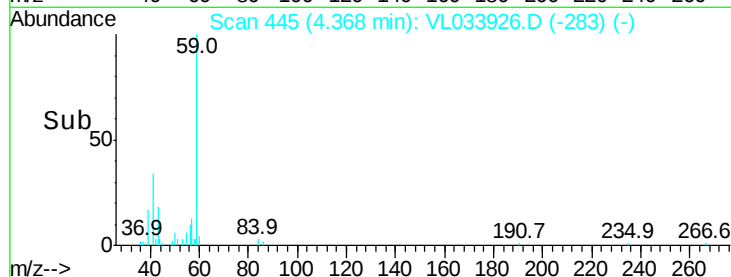
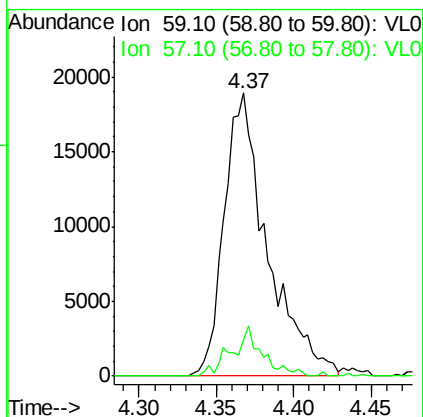
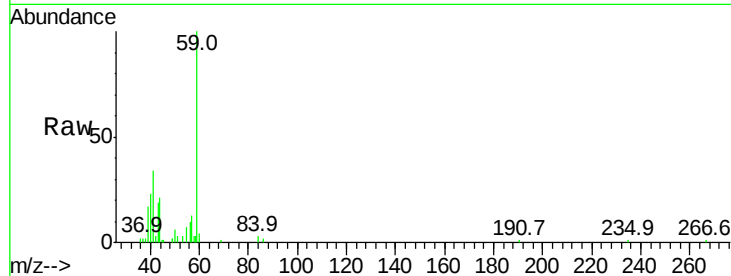


#17

tert-Butyl alcohol
Concen: 0.339 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL2

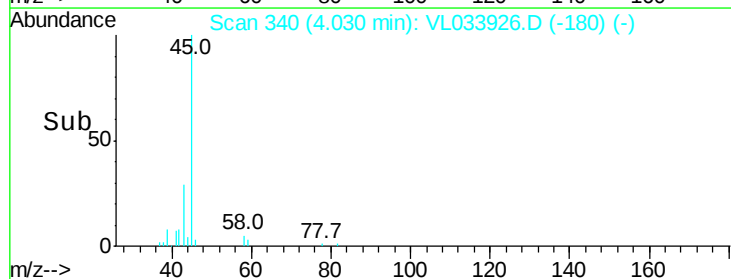
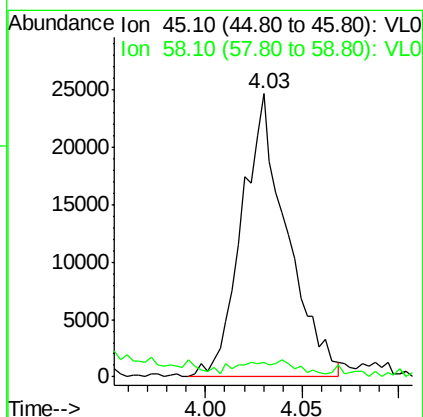
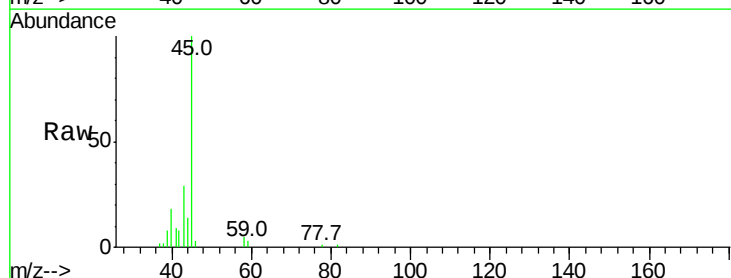
Tgt Ion: 59 Resp: 36701
Ion Ratio Lower Upper
59 100
57 12.7 8.4 12.6#

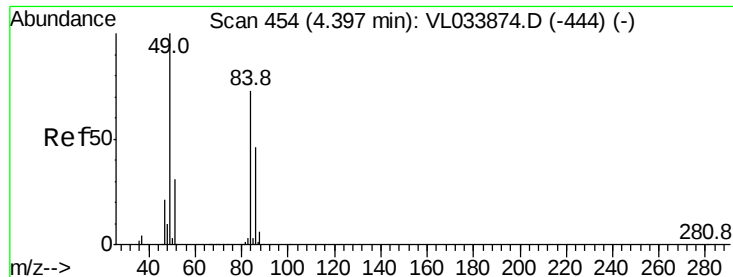


#19

Isopropyl Alcohol
Concen: 0.506 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Tgt Ion: 45 Resp: 40061
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.6#

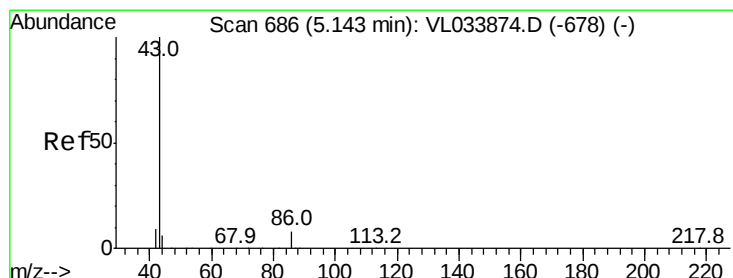
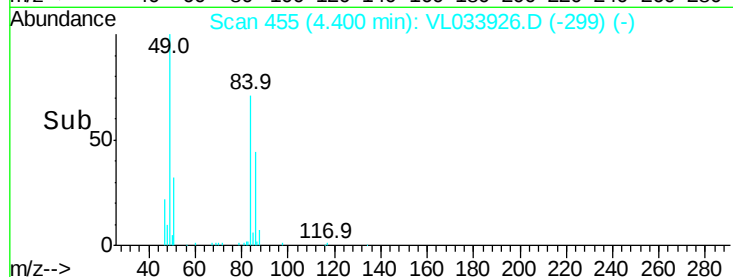
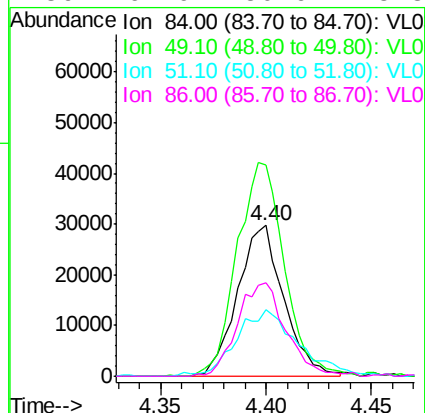
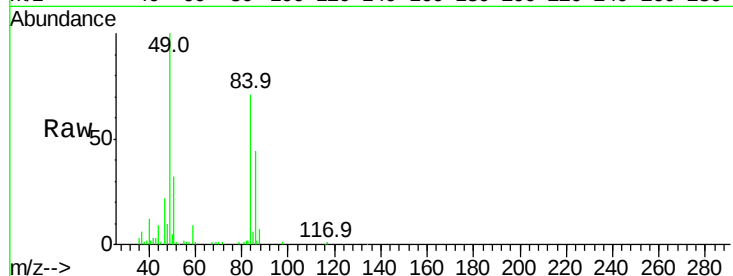




#20
Methylene Chloride
Concen: 0.837 ppbv
RT: 4.40 min Scan# 455
Delta R.T. 0.00 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

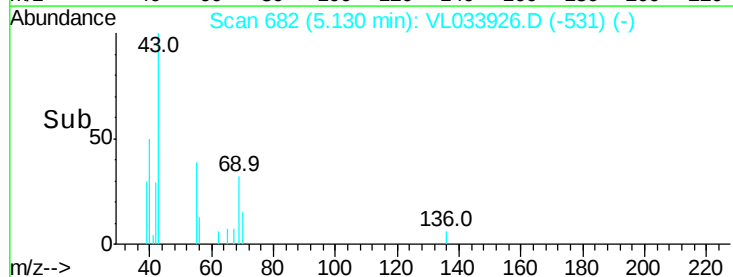
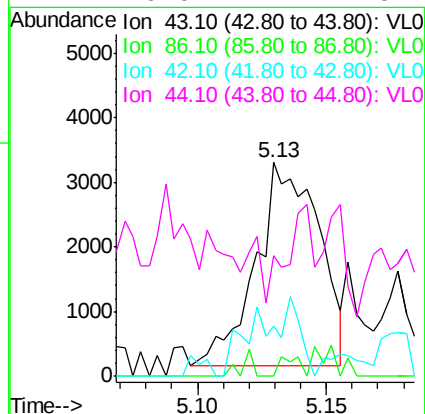
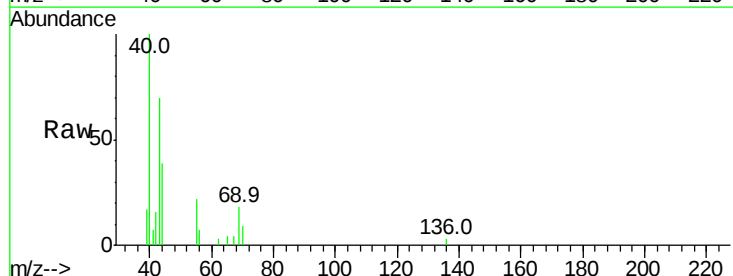
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL2

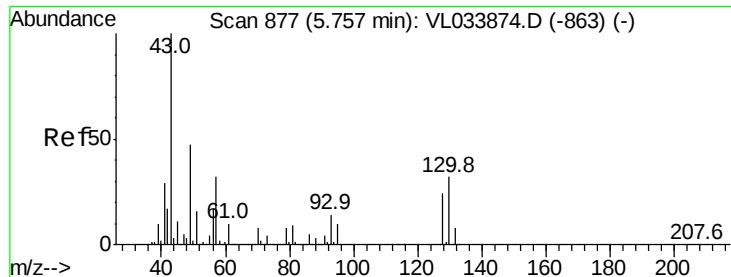
Tgt Ion:	84	Resp:	45224
Ion	Ratio	Lower	Upper
84	100		
49	140.6	110.0	165.0
51	43.8	34.6	51.8
86	61.9	50.6	75.8



#23
Vinyl Acetate
Concen: 0.033 ppbv
RT: 5.13 min Scan# 682
Delta R.T. -0.01 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Tgt Ion:	43	Resp:	5382
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.8#
42	14.3	7.8	11.8#
44	0.0	4.2	6.4#





#25

Ethyl Acetate

Concen: 0.205 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.01 min

Lab File: VL033926.D

Acq: 14 Jun 2019 11:01

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612DL2

Tgt Ion: 43 Resp: 43303

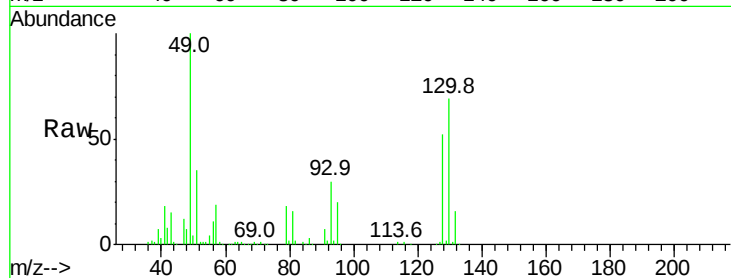
Ion Ratio Lower Upper

43 100

45 1.3 7.9 11.9#

61 0.8 7.8 11.6#

70 2.1 5.8 8.6#

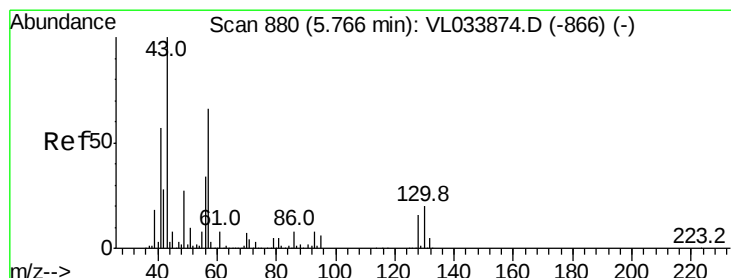
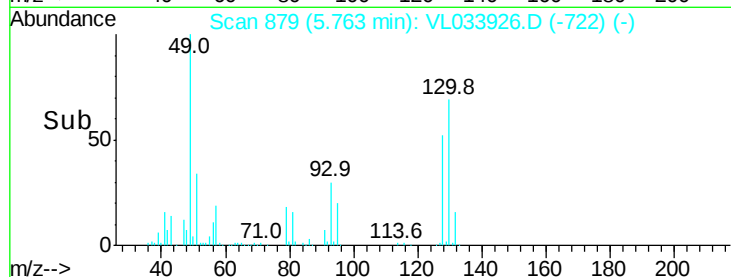
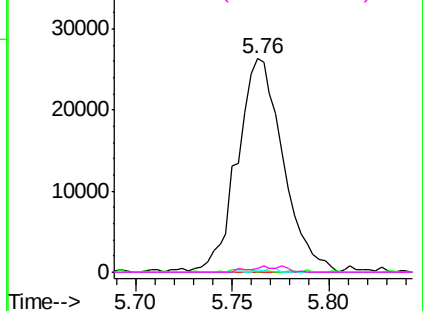


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.624 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033926.D

Acq: 14 Jun 2019 11:01

Tgt Ion: 57 Resp: 59909

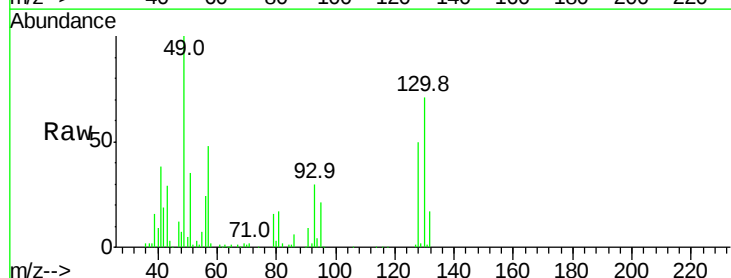
Ion Ratio Lower Upper

57 100

41 98.6 71.4 107.2

43 74.0 183.7 275.5#

56 57.5 42.7 64.1

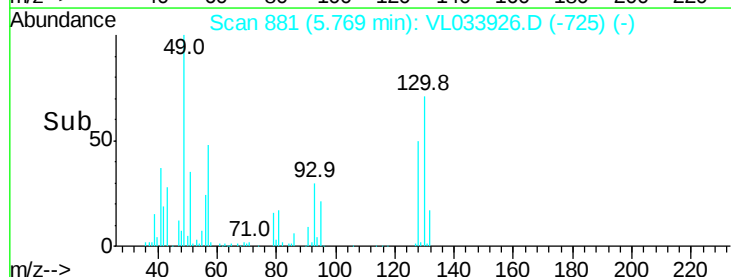
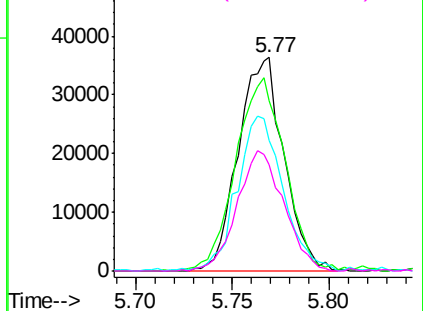


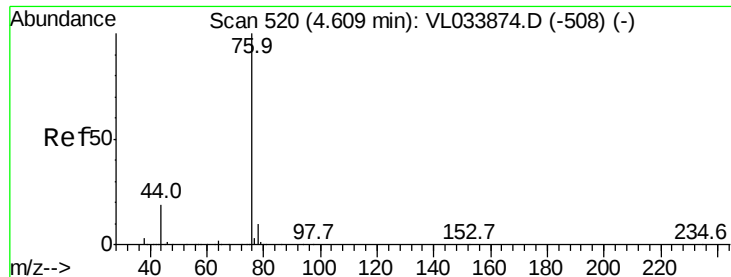
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.035 ppbv

RT: 4.61 min Scan# 520

Delta R.T. -0.00 min

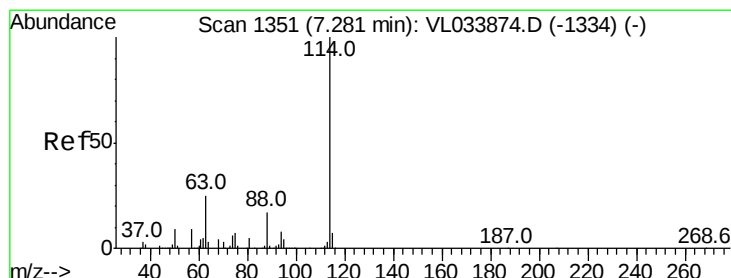
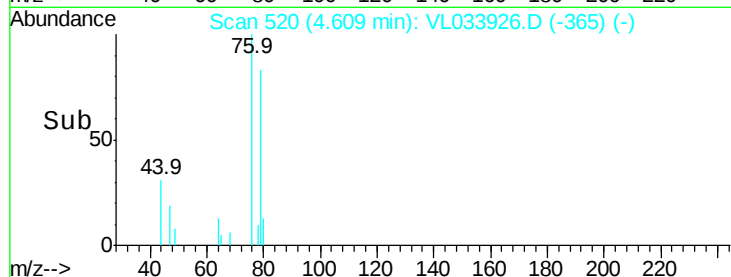
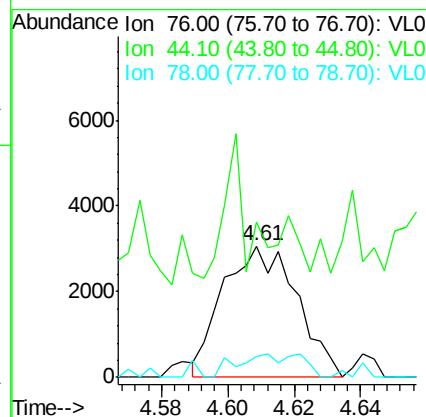
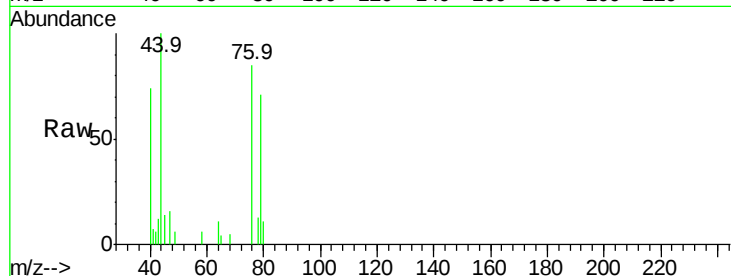
Lab File: VL033926.D

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Tgt Ion: 76 Resp: 4734

Ion	Ratio	Lower	Upper
76	100		
44	77.4	14.4	21.6#
78	19.1	7.5	11.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.27 min Scan# 1349

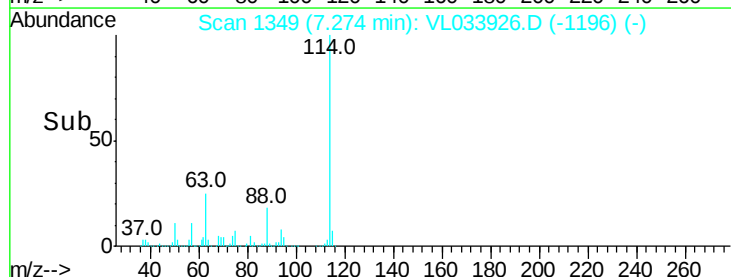
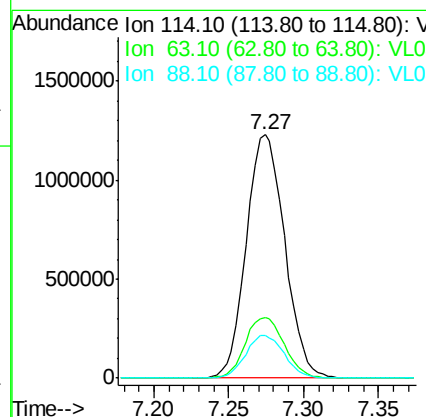
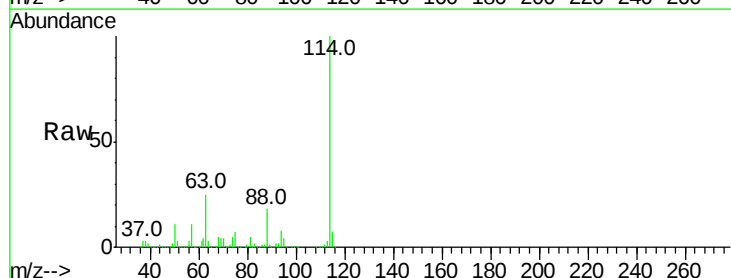
Delta R.T. -0.01 min

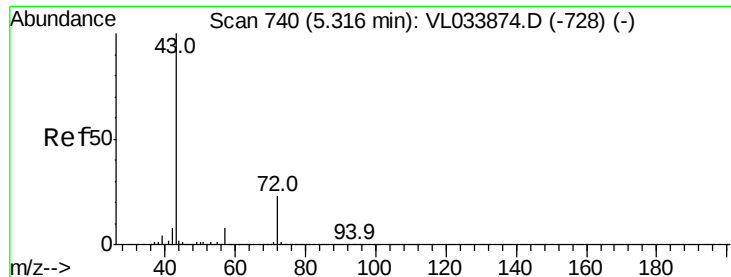
Lab File: VL033926.D

Acq: 14 Jun 2019 11:01

Tgt Ion: 114 Resp: 2203534

Ion	Ratio	Lower	Upper
114	100		
63	25.4	21.1	31.7
88	17.7	14.2	21.4

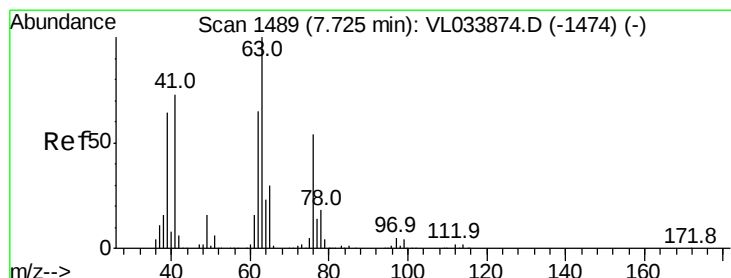
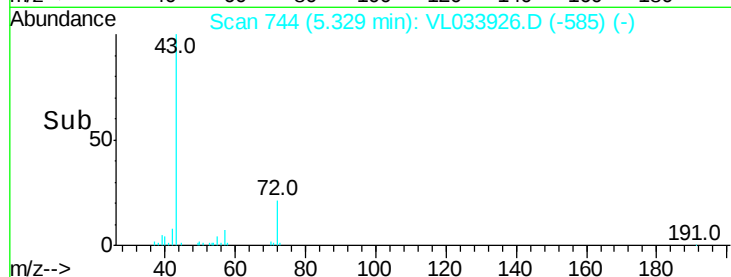
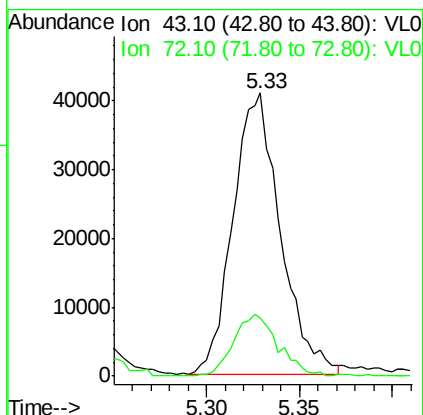
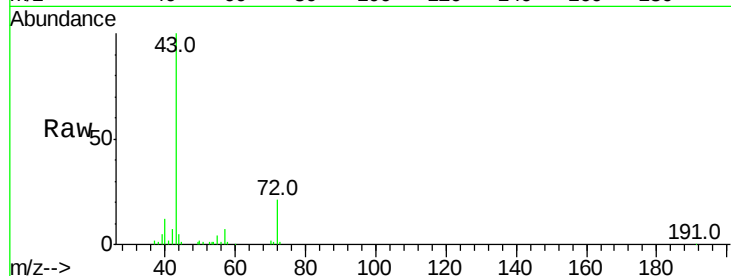




#34
2-Butanone
Concen: 0.588 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.01 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

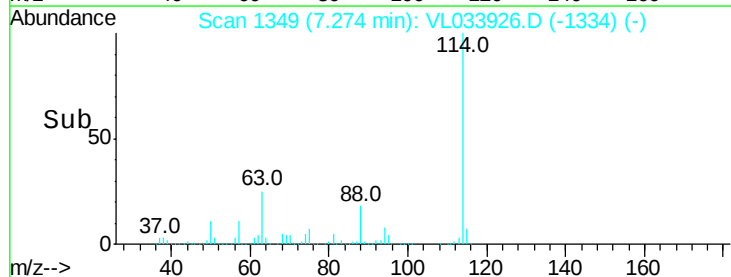
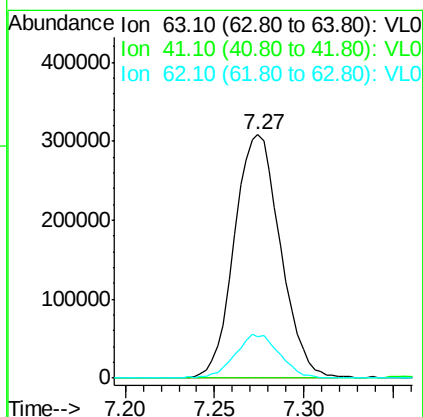
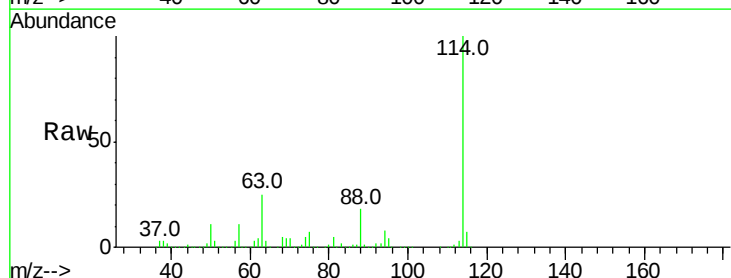
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL2

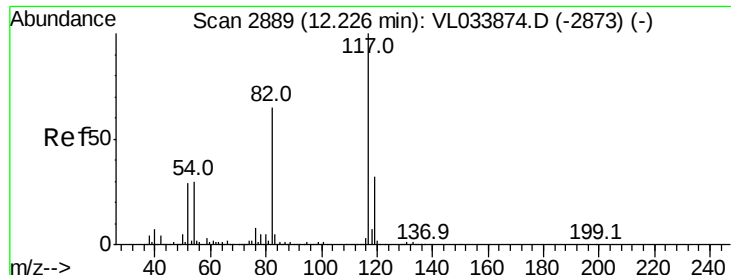
Tgt Ion: 43 Resp: 73063
Ion Ratio Lower Upper
43 100
72 20.7 17.9 26.9



#39
1,2-Dichloropropane
Concen: 8.569 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.45 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Tgt Ion: 63 Resp: 556696
Ion Ratio Lower Upper
63 100
41 0.0 58.7 88.1#
62 16.8 51.9 77.9#

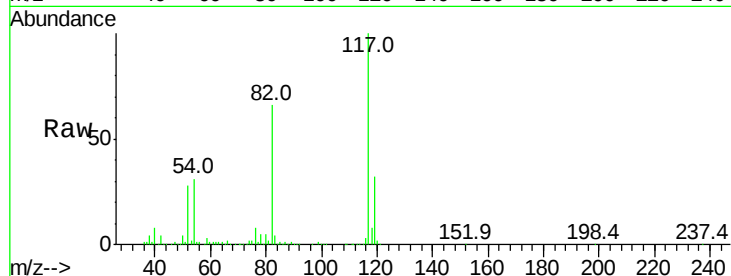




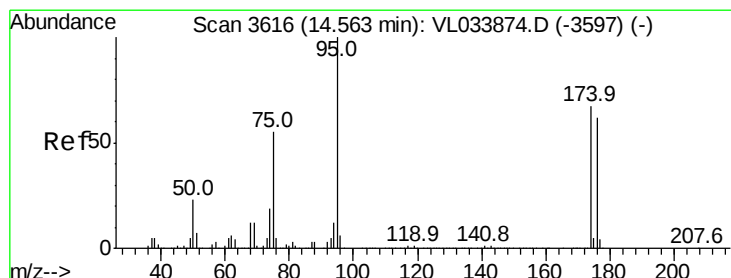
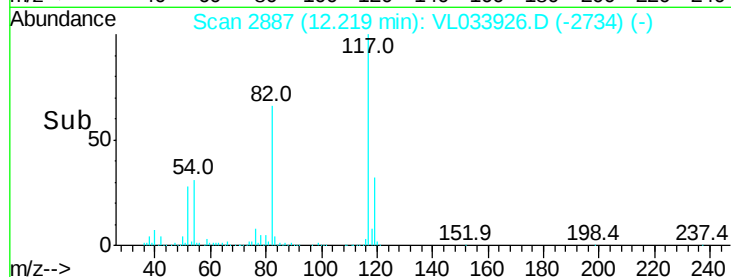
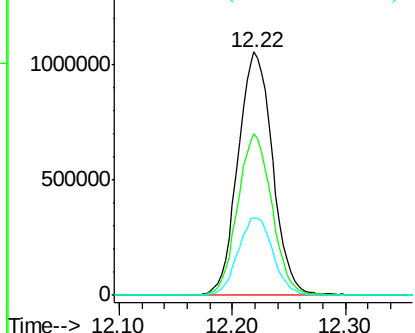
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL2

Tgt Ion: 117 Resp: 2245530
Ion Ratio Lower Upper
117 100
82 66.0 50.2 75.2
119 32.4 24.8 37.2

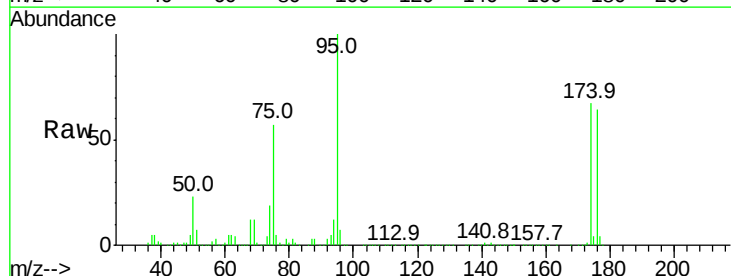


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 8.918 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033926.D
Acq: 14 Jun 2019 11:01

Tgt Ion: 95 Resp: 1644942
Ion Ratio Lower Upper
95 100
174 67.3 54.0 81.0
175 4.8 3.8 5.8



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

