

Data File : VL031416.D

Acq On : 22 Jan 2018 13:55

Operator : SY/AP

Sample : VSTDIC002

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jan 22 16:42:44 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 18 06:41:16 2018

QLast Update : Mon Jan 22 16:42:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.90	49	1334018	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3186526	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3281957	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2572055	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.17	85	357478	1.39	ppbv	97
3) Chlorodifluoromethane	3.11	51	379707	1.93	ppbv	100
4) Chloromethane	3.27	50	172954	1.95	ppbv	98
5) Vinyl Chloride	3.40	62	171770	1.87	ppbv	99
6) Bromomethane	3.62	94	117516	1.92	ppbv	99
7) Chloroethane	3.71	64	69194	1.93	ppbv	98
8) Dichlorotetrafluoroethane	3.32	85	448307	1.90	ppbv	99
9) Propene	3.13	41	134780	1.86	ppbv	100
10) Heptane	8.40	43	430618	1.97	ppbv	99
11) Trichlorofluoromethane	4.13	101	551665	2.01	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.68	101	349564	2.01	ppbv	96
13) Ethanol	3.77	45	32591	0.90	ppbv	73
14) Bromoethene	3.90	108	139990	1.95	ppbv	100
15) Acetone	4.02	43	399260	1.80	ppbv	99
16) 1,3-Butadiene	3.47	39	160674	1.94	ppbv	98
17) tert-Butyl alcohol	4.49	59	186554	1.84	ppbv	100
18) 1,1-Dichloroethene	4.48	96	149388	1.96	ppbv	96
19) Isopropyl Alcohol	4.14	45	239027	1.58	ppbv #	98
20) Methylene Chloride	4.53	84	150016	1.88	ppbv	95
21) Allyl Chloride	4.60	41	229054	1.91	ppbv	98
22) trans-1,2-Dichloroethene	5.10	96	153783	1.89	ppbv	99
23) Vinyl Acetate	5.29	43	470353	1.87	ppbv	98
24) 1,1-Dichloroethane	5.22	63	409769	1.93	ppbv	99
25) Ethyl Acetate	5.91	43	672034	1.78	ppbv	100
26) Hexane	5.92	57	300497	1.90	ppbv	99
27) Carbon Disulfide	4.75	76	402526	1.91	ppbv	98
28) Methyl tert-Butyl Ether	5.25	73	371812	1.93	ppbv	99
29) Chloroform	5.99	83	508387	1.87	ppbv	100
30) Cyclohexane	7.40	84	238322	1.88	ppbv #	82
31) cis-1,2-Dichloroethene	5.78	61	285197	1.85	ppbv	94
32) 1,1,1-Trichloroethane	6.77	97	522986	1.84	ppbv	98
34) 2-Butanone	5.47	43	435274	1.64	ppbv	100
35) Carbon Tetrachloride	7.29	117	543288	1.79	ppbv	94
36) Benzene	7.16	78	602635	1.83	ppbv	98
37) 1,2-Dichloroethane	6.56	62	456900	1.88	ppbv	100
38) Trichloroethene	8.12	130	247024	1.80	ppbv	93
39) 1,2-Dichloropropane	7.89	63	225971	1.85	ppbv	97
40) 1,4-Dioxane	8.13	88	87488	1.43	ppbv #	56
41) Tetrahydrofuran	6.31	42	235147	1.75	ppbv	96
42) Bromodichloromethane	8.08	83	568833	1.90	ppbv	99
43) Methyl Methacrylate	8.30	69	224595	1.83	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 18 06:41:16 2018

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Response via : Initial Calibration

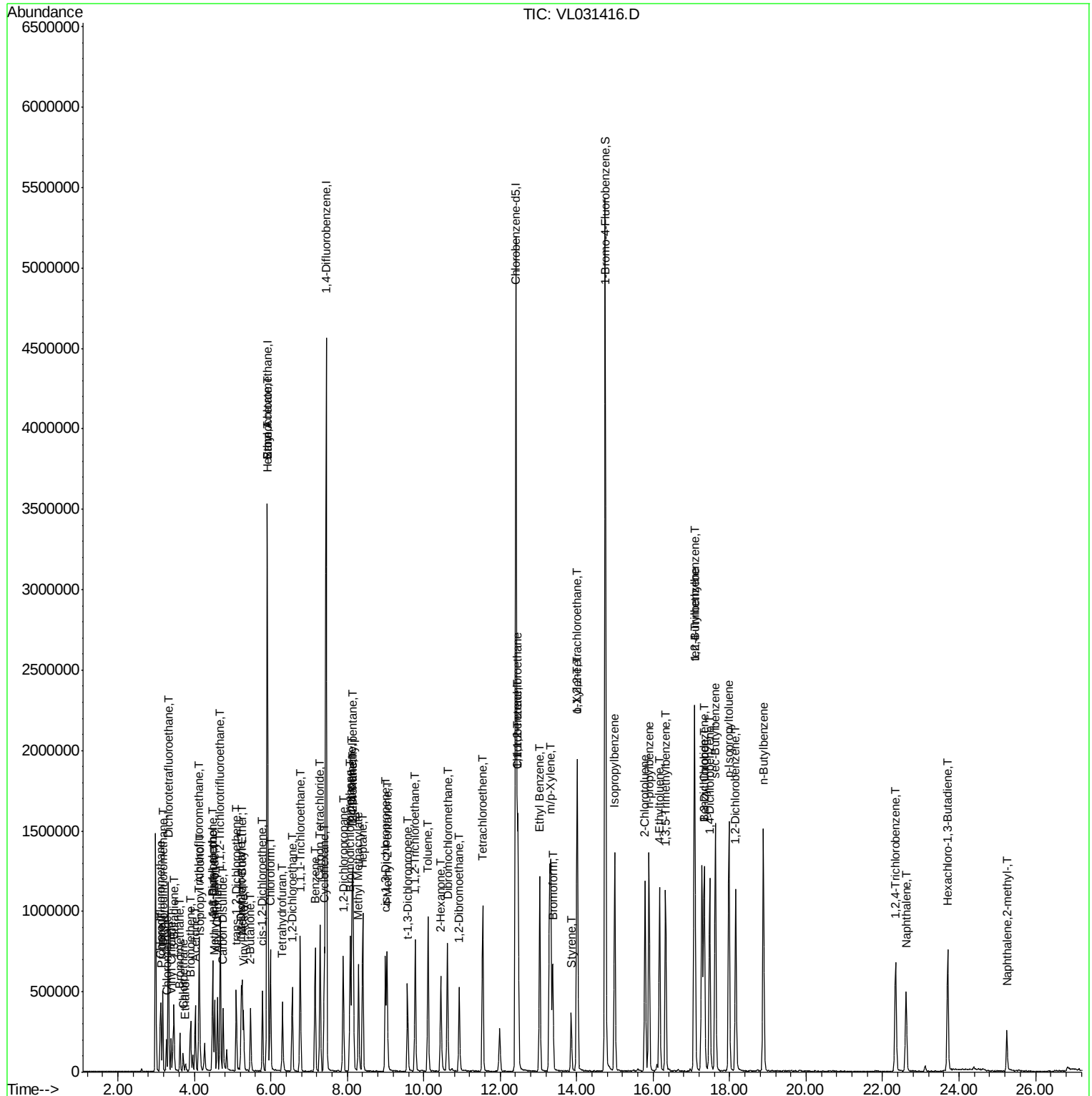
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	1075938	1.95	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	311500	1.84	ppbv	98
46) cis-1,3-Dichloropropene	9.00	75	388987	1.86	ppbv	99
47) 1,1,2-Trichloroethane	9.78	97	266665	1.86	ppbv	97
48) Dibromochloromethane	10.62	129	470737	1.85	ppbv	99
49) Bromoform	13.37	173	357126	1.79	ppbv	99
50) 4-Methyl-2-Pentanone	9.04	43	605806	1.73	ppbv	98
51) 2-Hexanone	10.45	43	568342	1.60	ppbv #	97
52) Tetrachloroethene	11.54	164	231411	1.78	ppbv	95
53) Toluene	10.12	91	731342	1.88	ppbv	98
54) 1,2-Dibromoethane	10.93	107	414686	1.84	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.45	131	147918	0.87	ppbv #	1
57) Chlorobenzene	12.47	112	605113	1.95	ppbv	99
58) Ethyl Benzene	13.03	91	1045955	1.95	ppbv	99
59) m/p-Xylene	13.32	91	861485	1.94	ppbv #	30
60) o-Xylene	14.02	91	909196	2.01	ppbv	98
61) Styrene	13.85	104	196333	1.98	ppbv	99
62) Isopropylbenzene	14.99	105	1132925	1.99	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	615455	1.80	ppbv	99
64) n-propylbenzene	15.89	120	165655	1.16	ppbv #	1
65) tert-Butylbenzene	17.07	119	1020566	2.02	ppbv	98
66) Benzyl Chloride	17.32	91	50749	1.07	ppbv #	64
67) sec-Butylbenzene	17.63	105	1444511	2.01	ppbv	99
69) p-Isopropyltoluene	17.98	119	1164391	2.04	ppbv	99
70) n-Butylbenzene	18.88	91	1239012	2.08	ppbv	98
71) 2-Chlorotoluene	15.79	91	863080	1.98	ppbv	100
72) 4-Ethyltoluene	16.17	105	933144	2.02	ppbv	99
73) 1,3,5-Trimethylbenzene	16.32	105	848193	2.06	ppbv	95
74) 1,2,4-Trimethylbenzene	17.09	105	937175	2.09	ppbv #	92
75) 1,3-Dichlorobenzene	17.34	146	577017	2.00	ppbv	99
76) 1,4-Dichlorobenzene	17.48	146	561574	1.96	ppbv	98
77) 1,2-Dichlorobenzene	18.16	146	560585	1.97	ppbv	100
78) Hexachloro-1,3-Butadiene	23.71	225	94883	1.04	ppbv #	33
79) Naphthalene	22.61	128	582584	2.68	ppbv	96
80) Naphthalene,2-methyl-	25.25	142	128030	2.37	ppbv	98
81) 1,2,4-Trichlorobenzene	22.34	180	305419	2.41	ppbv	99

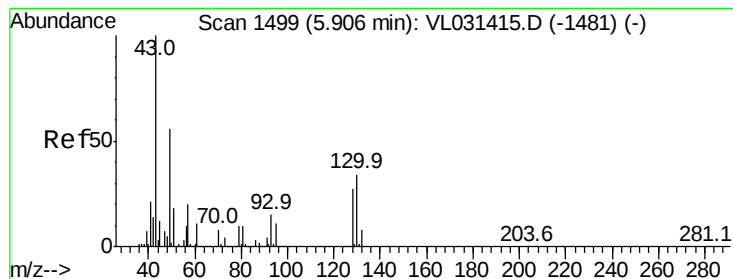
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC002

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.90 min Scan# 1498

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VSTDIC002

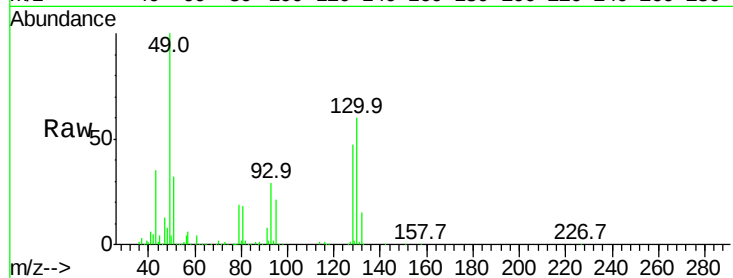
Tgt Ion: 49 Resp: 1334018

Ion Ratio Lower Upper

49 100

128 47.1 23.5 70.6

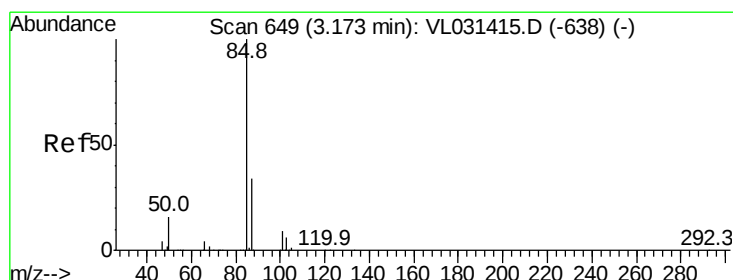
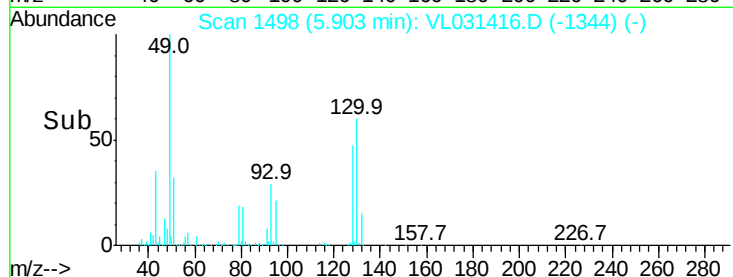
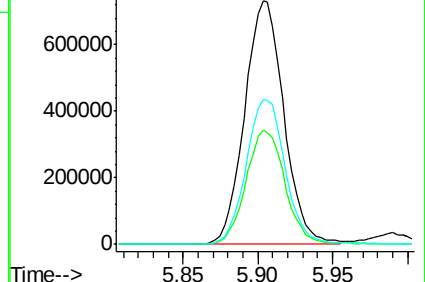
130 59.9 29.9 89.7



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



#2

Dichlorodifluoromethane

Concen: 1.39 ppbv

RT: 3.17 min Scan# 649

Delta R.T. -0.00 min

Lab File: VL031416.D

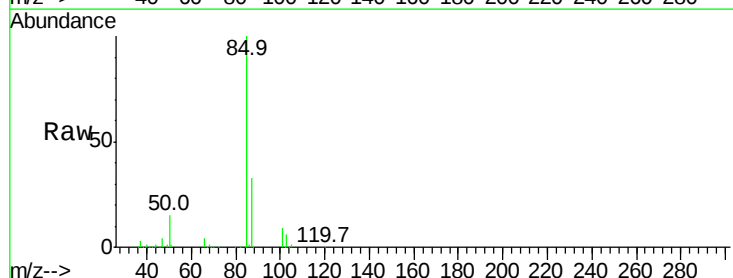
Acq: 22 Jan 2018 13:55

Tgt Ion: 85 Resp: 357478

Ion Ratio Lower Upper

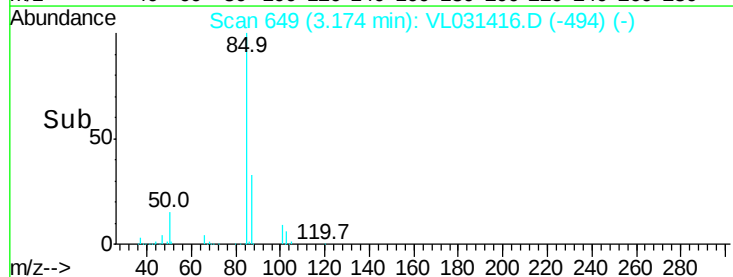
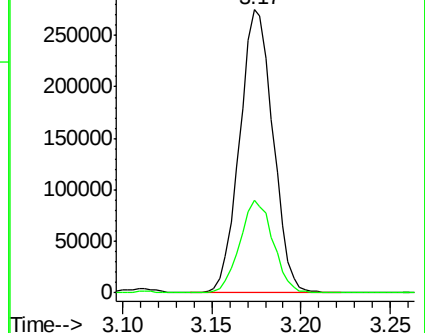
85 100

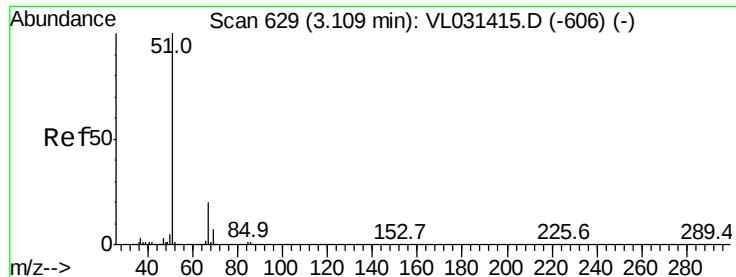
87 32.5 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.93 ppbv

RT: 3.11 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

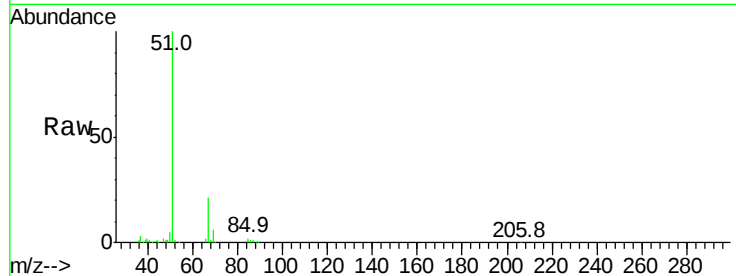
VSTDIC002

Tgt Ion: 51 Resp: 379707

Ion Ratio Lower Upper

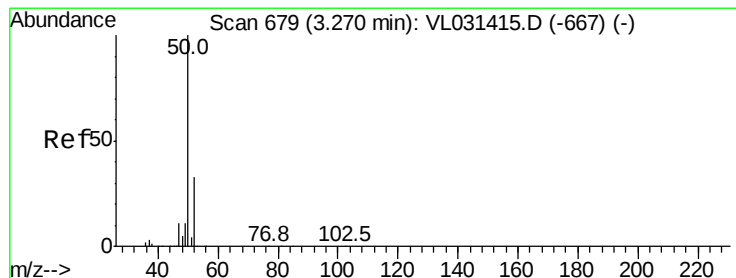
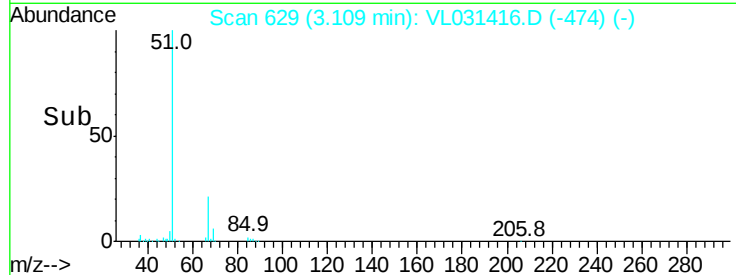
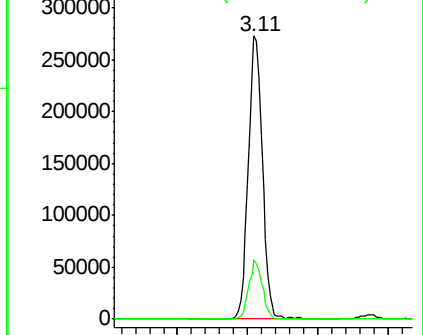
51 100

67 19.8 16.0 24.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.95 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL031416.D

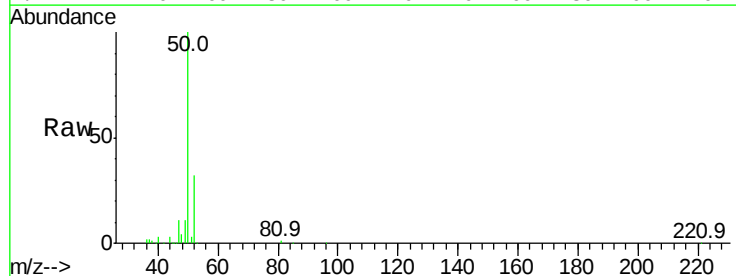
Acq: 22 Jan 2018 13:55

Tgt Ion: 50 Resp: 172954

Ion Ratio Lower Upper

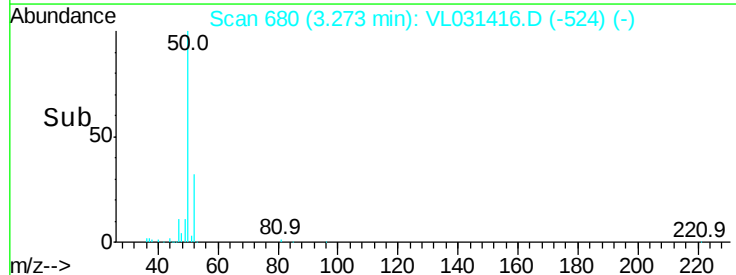
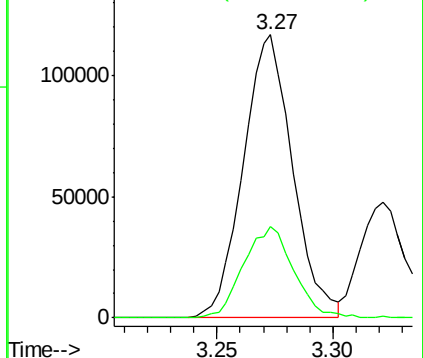
50 100

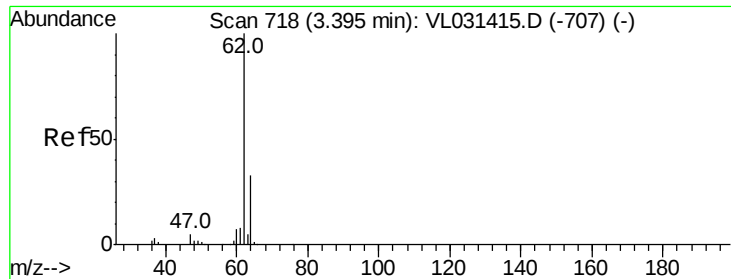
52 32.1 26.4 39.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.87 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

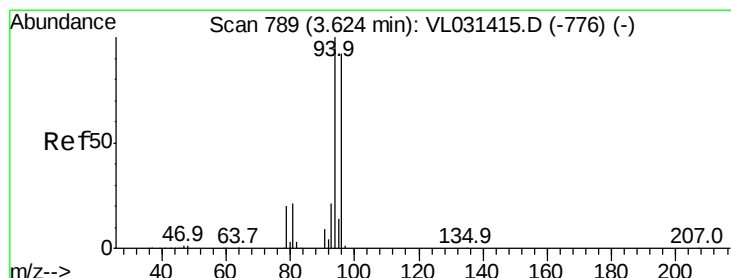
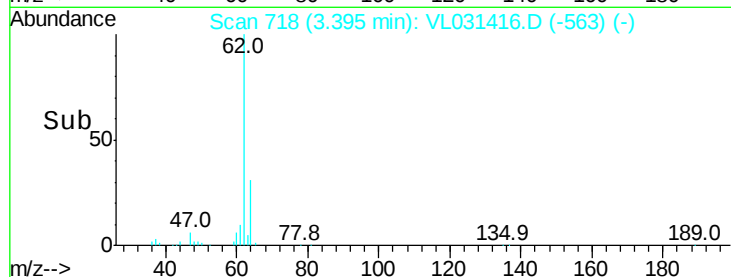
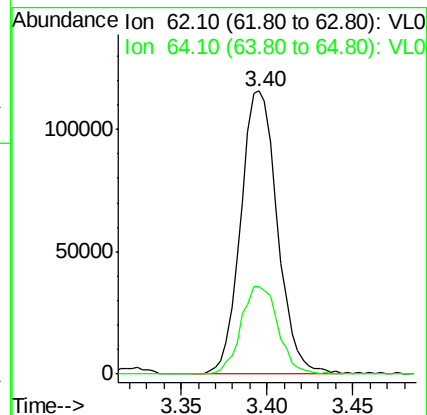
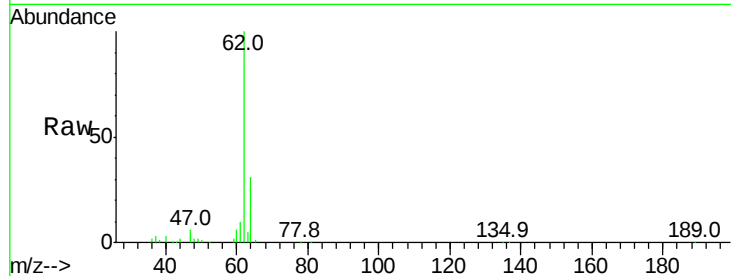
VSTDIC002

Tgt Ion: 62 Resp: 171770

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0



#6

Bromomethane

Concen: 1.92 ppbv

RT: 3.62 min Scan# 789

Delta R.T. -0.00 min

Lab File: VL031416.D

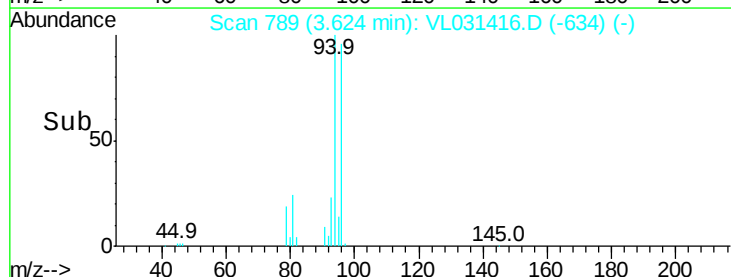
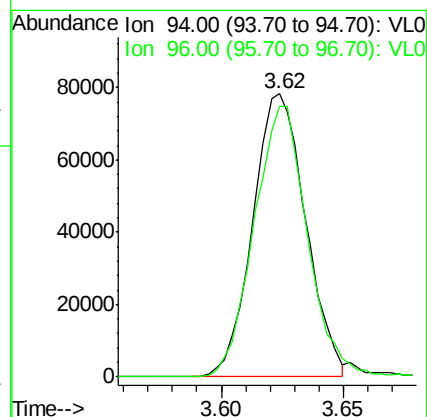
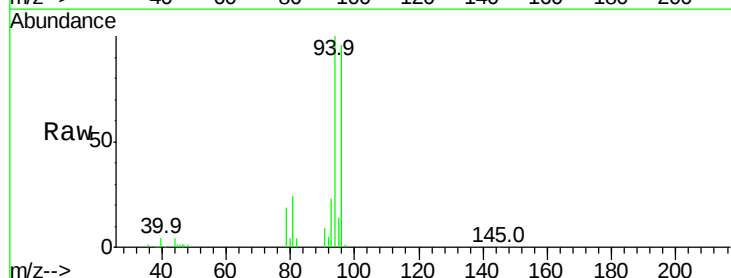
Acq: 22 Jan 2018 13:55

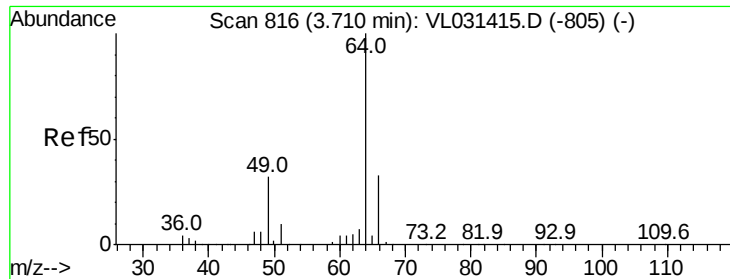
Tgt Ion: 94 Resp: 117516

Ion Ratio Lower Upper

94 100

96 95.2 75.1 112.7





#7

Chloroethane

Concen: 1.93 ppbv

RT: 3.71 min Scan# 816

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

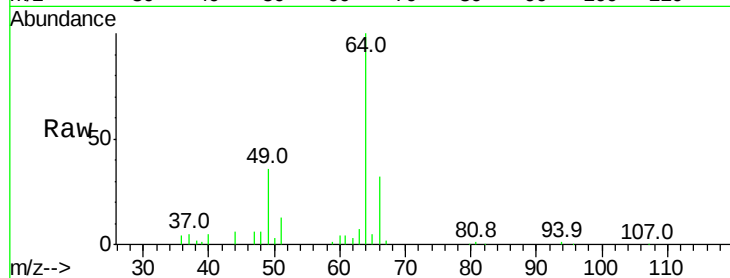
VSTDIC002

Tgt Ion: 64 Resp: 69194

Ion Ratio Lower Upper

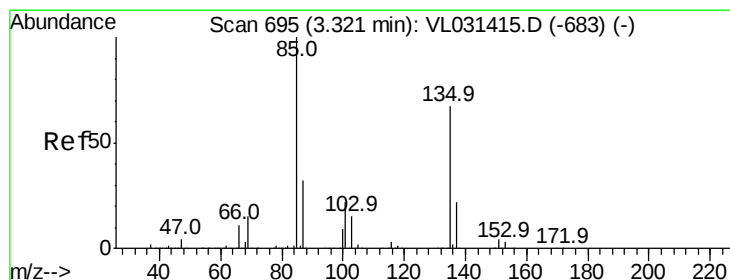
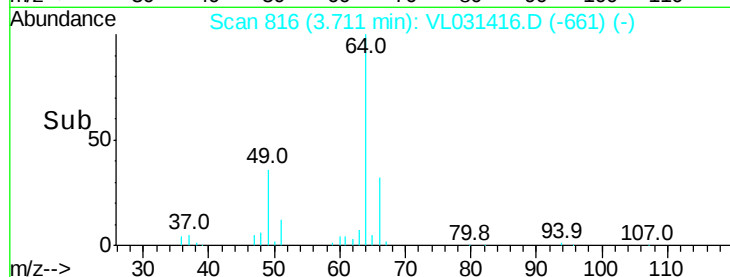
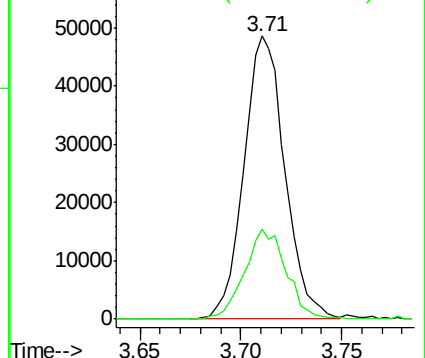
64 100

66 31.9 26.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.90 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL031416.D

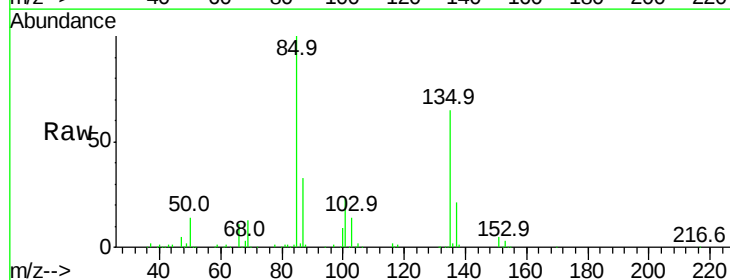
Acq: 22 Jan 2018 13:55

Tgt Ion: 85 Resp: 448307

Ion Ratio Lower Upper

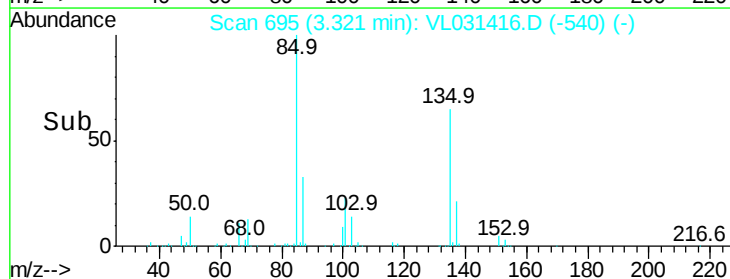
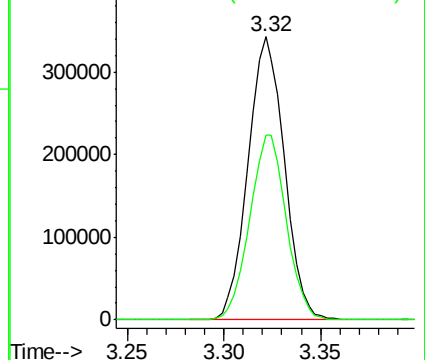
85 100

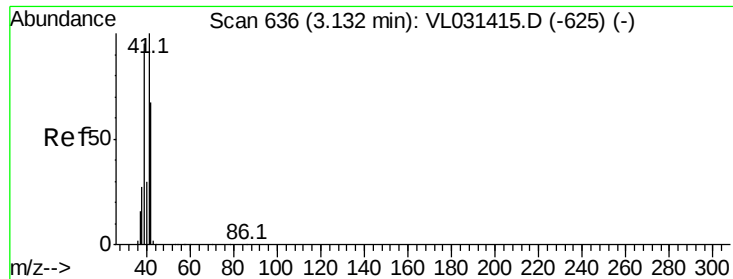
135 66.0 53.3 79.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.86 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

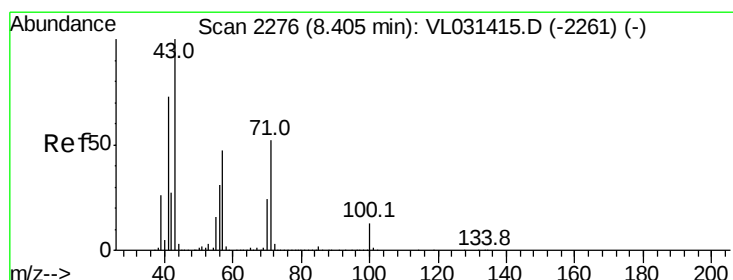
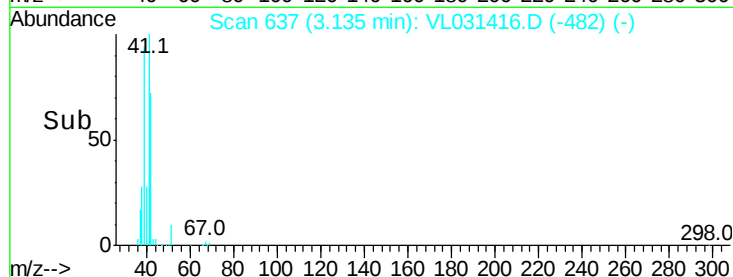
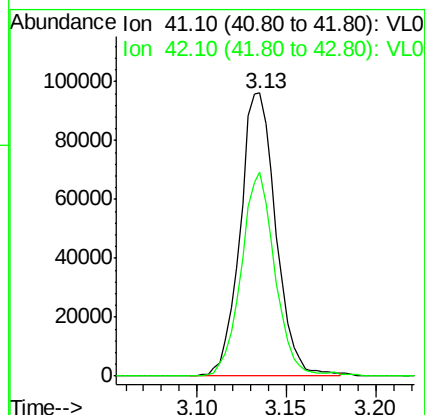
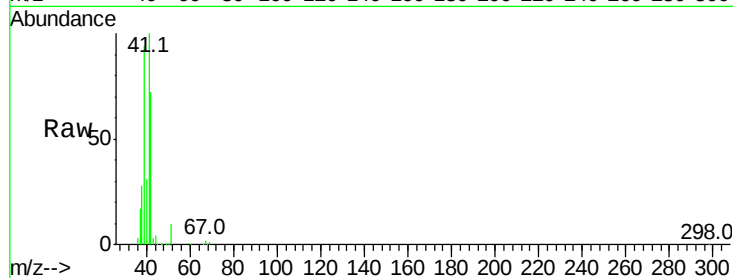
VSTDIC002

Tgt Ion: 41 Resp: 134780

Ion Ratio Lower Upper

41 100

42 68.1 54.6 82.0



#10

Heptane

Concen: 1.97 ppbv

RT: 8.40 min Scan# 2276

Delta R.T. -0.00 min

Lab File: VL031416.D

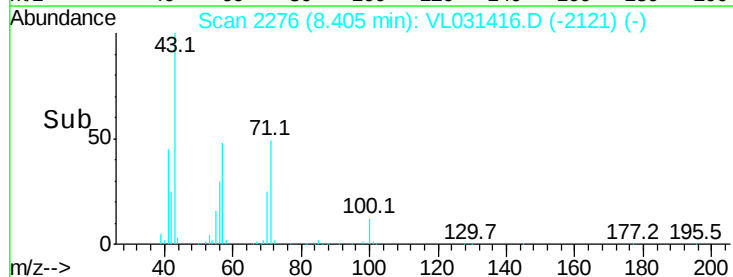
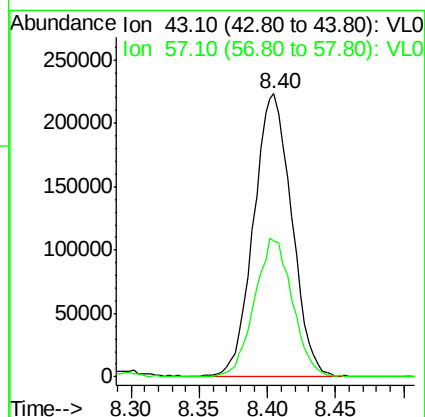
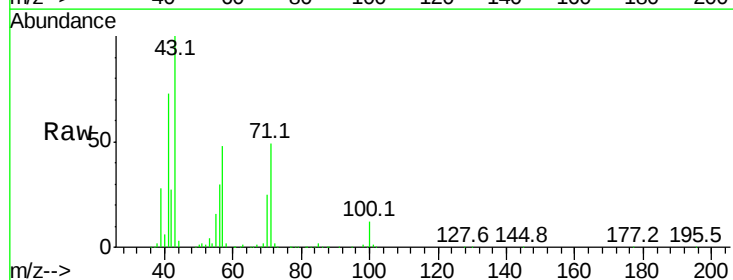
Acq: 22 Jan 2018 13:55

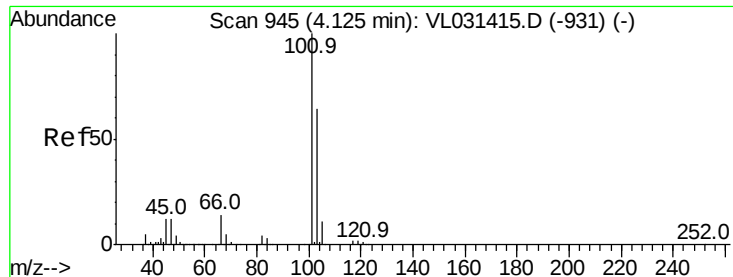
Tgt Ion: 43 Resp: 430618

Ion Ratio Lower Upper

43 100

57 49.1 39.7 59.5

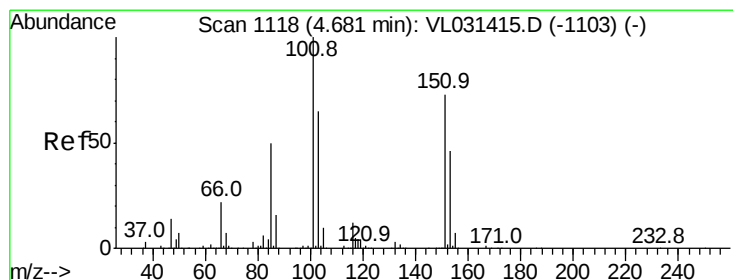
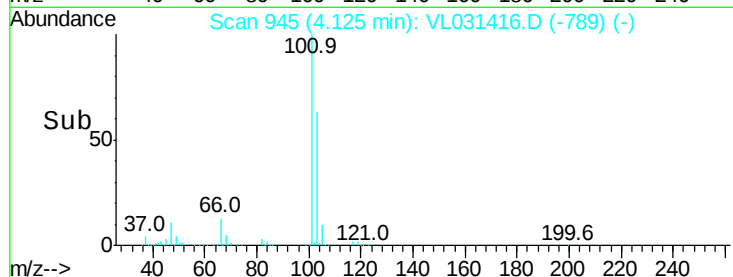
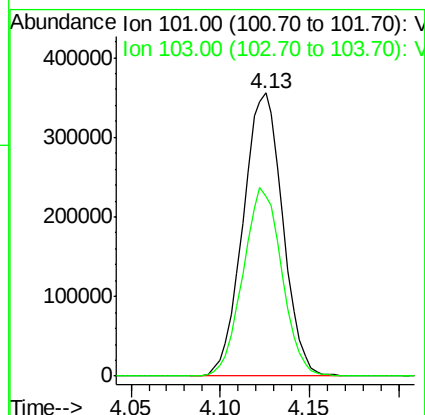
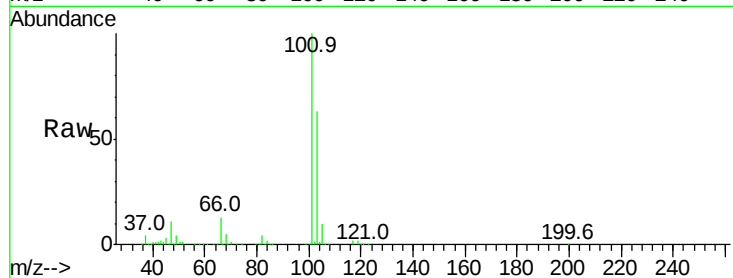




#11
 Trichlorofluoromethane
 Concen: 2.01 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

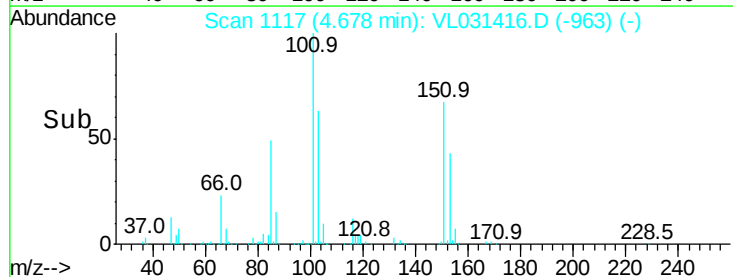
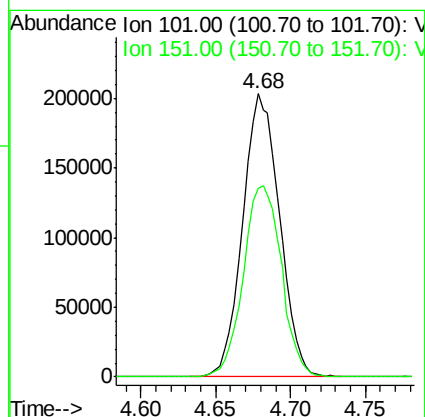
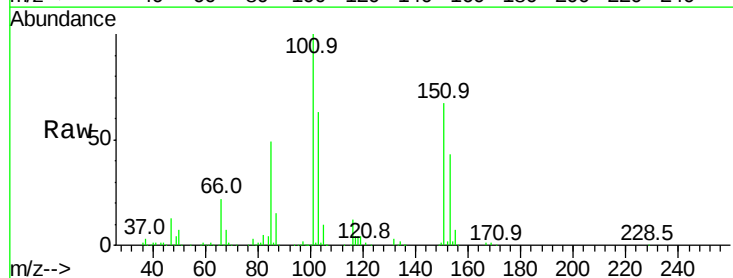
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

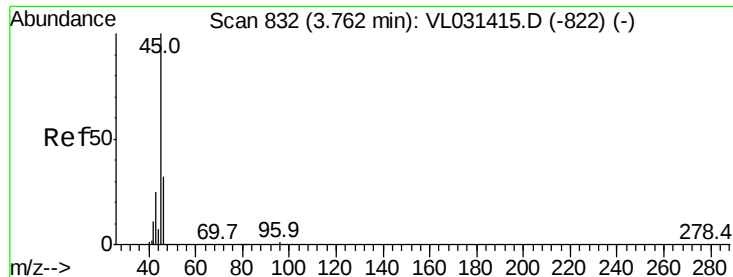
Tgt Ion:101 Resp: 551665
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.01 ppbv
 RT: 4.68 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

Tgt Ion:101 Resp: 349564
 Ion Ratio Lower Upper
 101 100
 151 69.6 58.1 87.1





#13

Ethanol

Concen: 0.90 ppbv

RT: 3.77 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

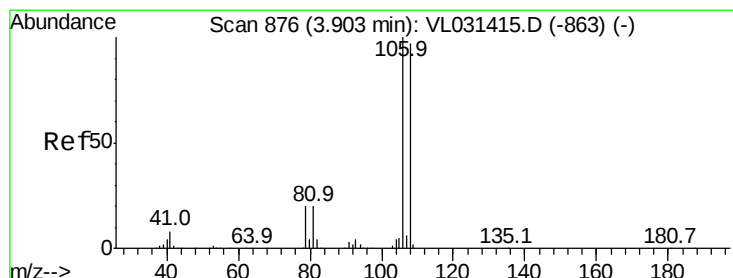
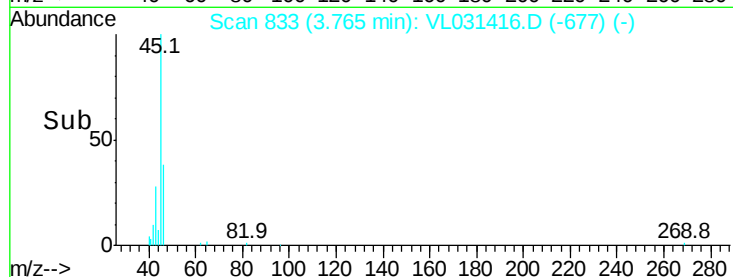
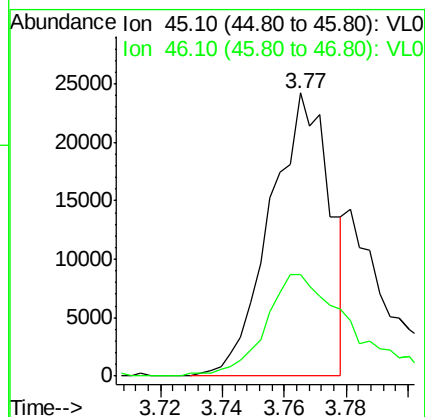
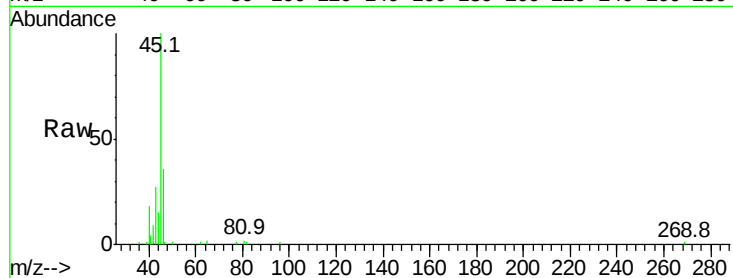
VSTDIC002

Tgt Ion: 45 Resp: 32591

Ion Ratio Lower Upper

45 100

46 53.5 14.9 59.5



#14

Bromoethene

Concen: 1.95 ppbv

RT: 3.90 min Scan# 876

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

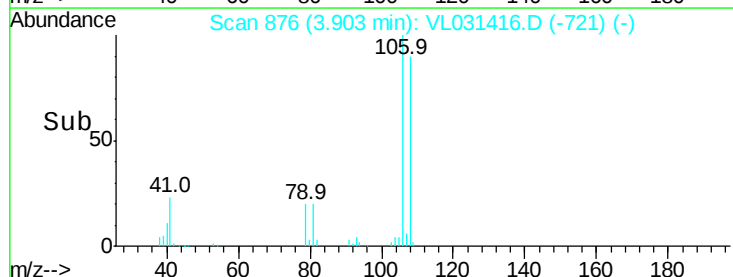
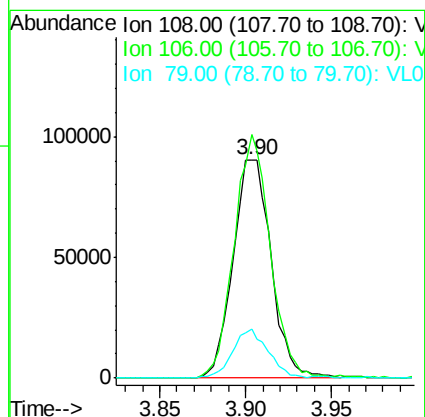
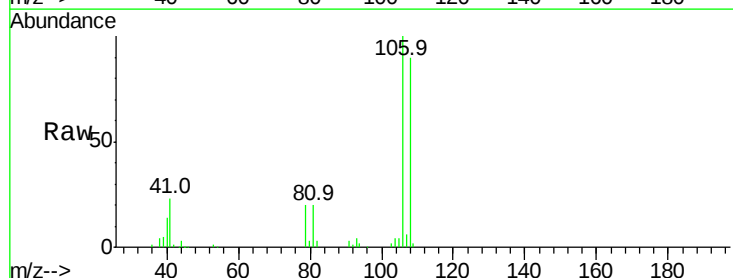
Tgt Ion: 108 Resp: 139990

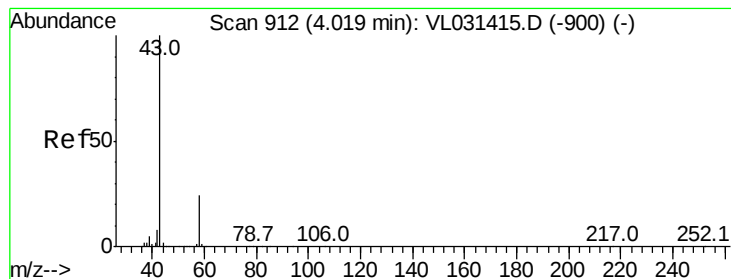
Ion Ratio Lower Upper

108 100

106 106.8 85.3 127.9

79 21.4 16.8 25.2





#15

Acetone

Concen: 1.80 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

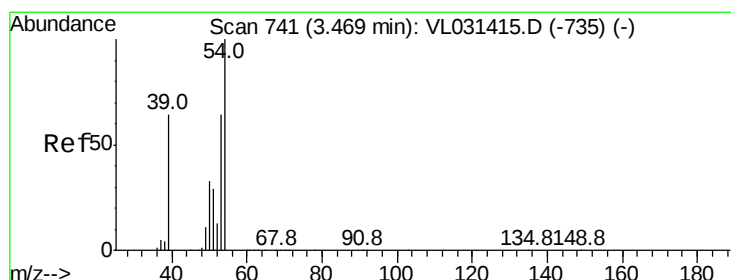
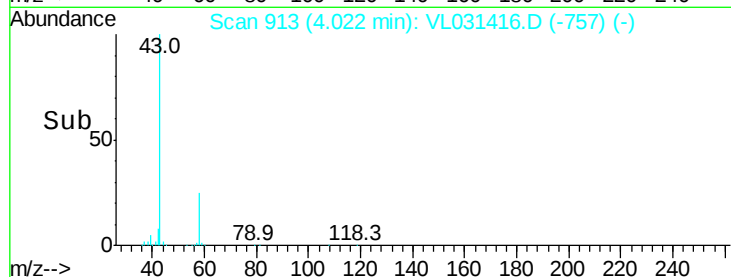
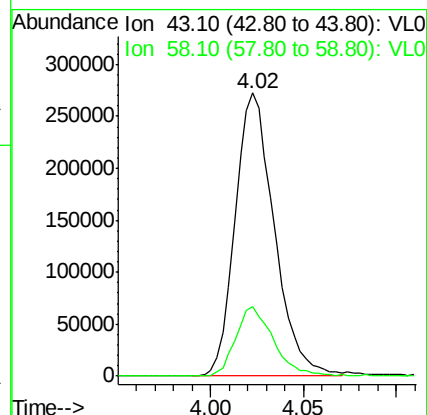
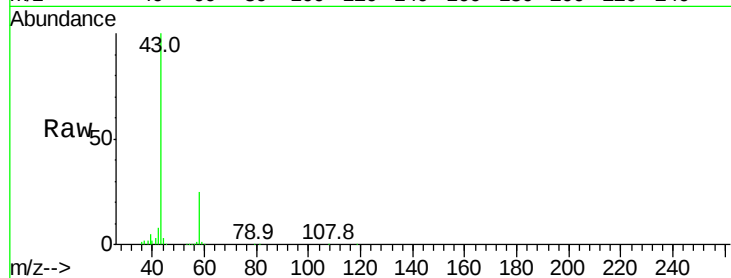
VSTDIC002

Tgt Ion: 43 Resp: 399260

Ion Ratio Lower Upper

43 100

58 24.0 19.4 29.2



#16

1,3-Butadiene

Concen: 1.94 ppbv

RT: 3.47 min Scan# 740

Delta R.T. -0.01 min

Lab File: VL031416.D

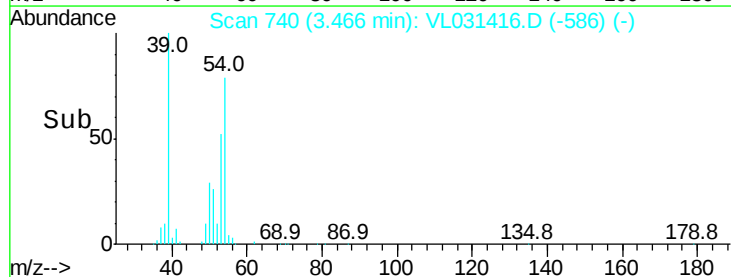
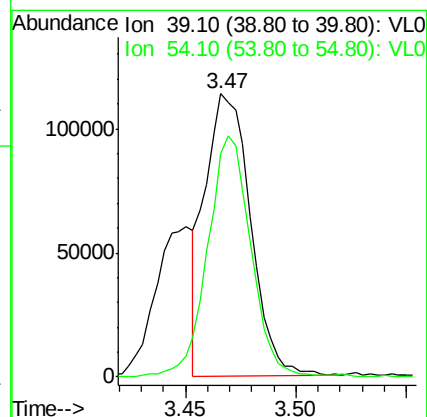
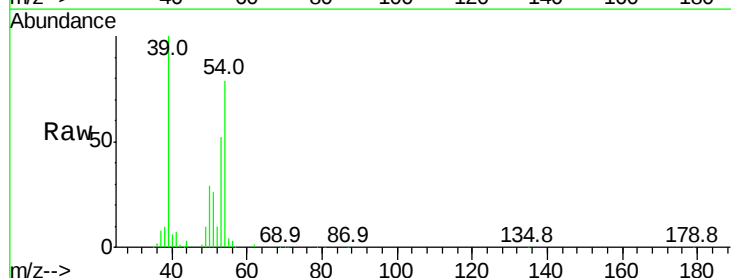
Acq: 22 Jan 2018 13:55

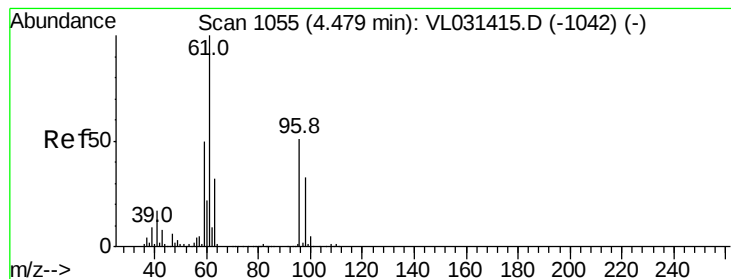
Tgt Ion: 39 Resp: 160674

Ion Ratio Lower Upper

39 100

54 82.4 67.0 100.6





#17

tert-Butyl alcohol

Concen: 1.84 ppbv

RT: 4.49 min Scan# 1058

Delta R.T. 0.01 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

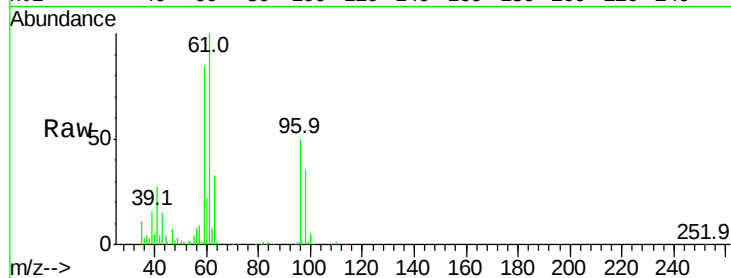
VSTDIC002

Tgt Ion: 59 Resp: 186554

Ion Ratio Lower Upper

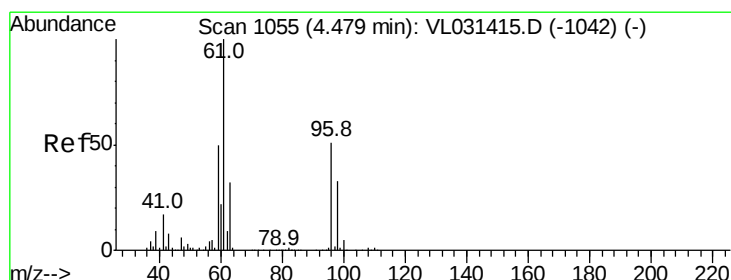
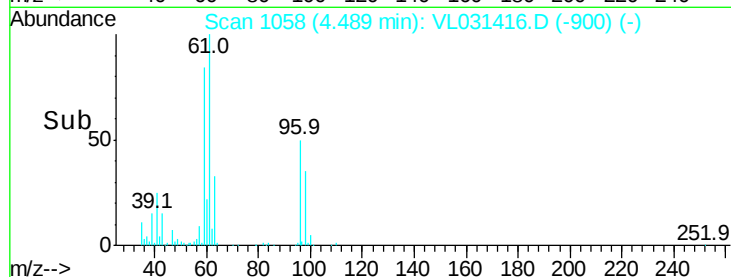
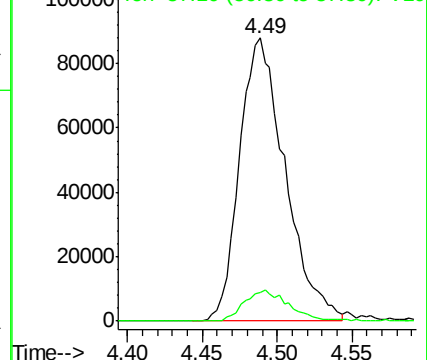
59 100

57 11.0 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.96 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

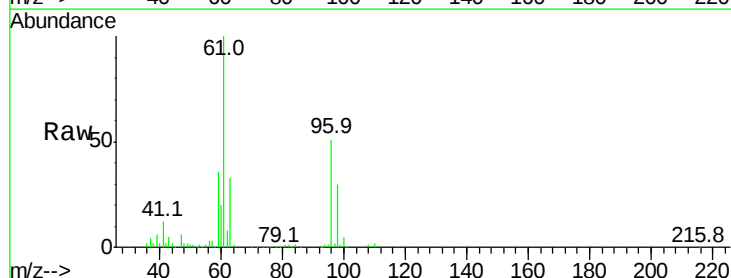
Tgt Ion: 96 Resp: 149388

Ion Ratio Lower Upper

96 100

61 195.2 161.6 242.4

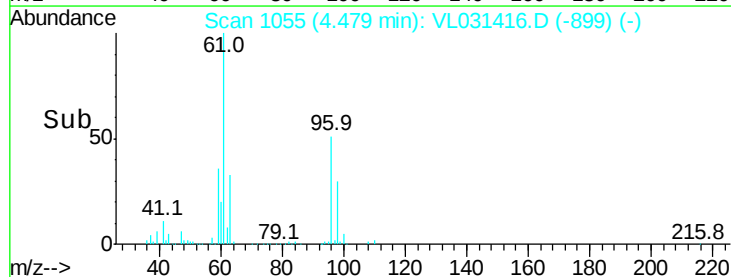
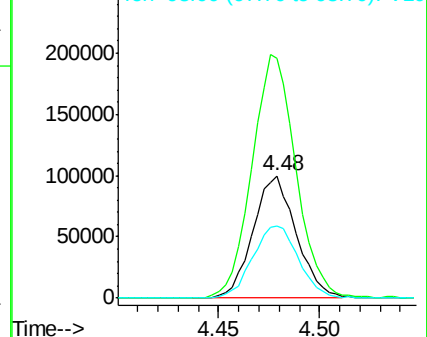
98 58.9 49.6 74.4

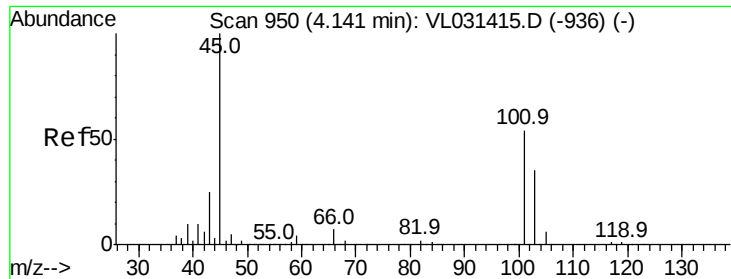


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.58 ppbv

RT: 4.14 min Scan# 951

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

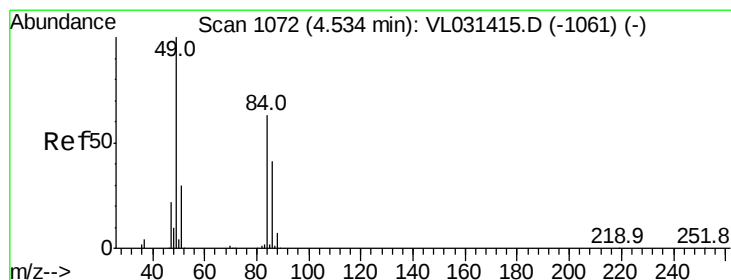
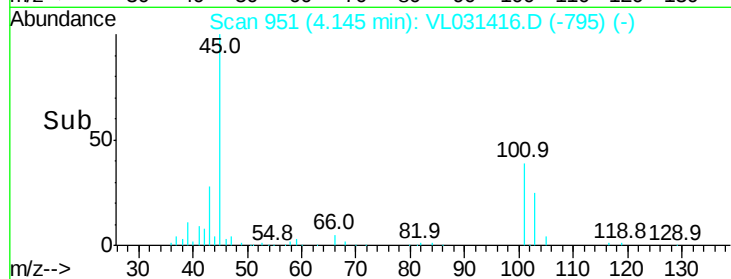
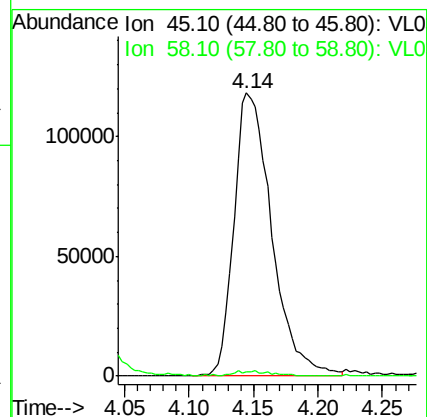
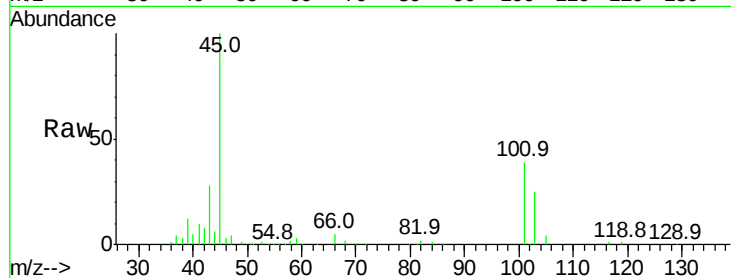
VSTDIC002

Tgt Ion: 45 Resp: 239027

Ion Ratio Lower Upper

45 100

58 2.1 1.0 1.4#



#20

Methylene Chloride

Concen: 1.88 ppbv

RT: 4.53 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Tgt Ion: 84 Resp: 150016

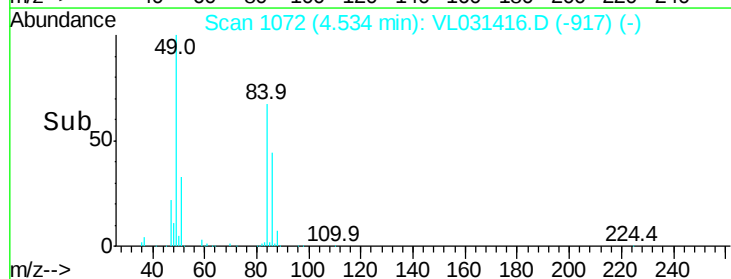
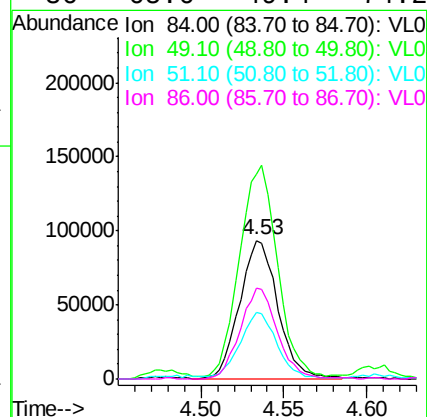
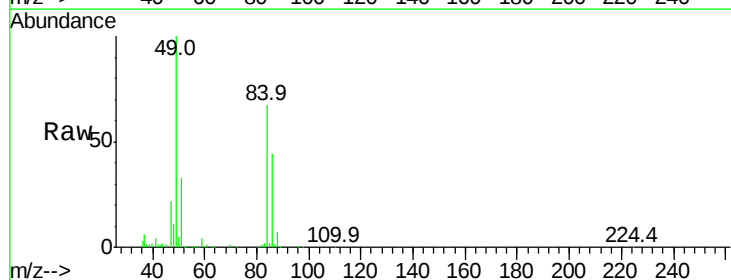
Ion Ratio Lower Upper

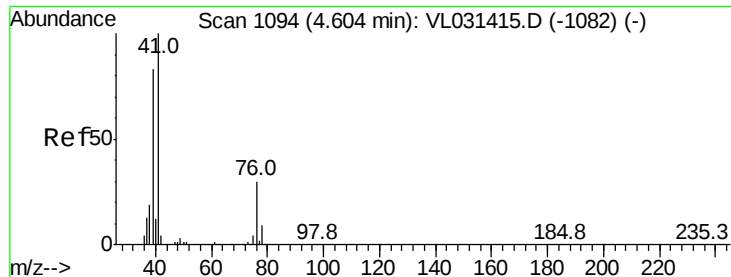
84 100

49 146.8 123.4 185.0

51 47.1 35.6 53.4

86 65.6 49.4 74.2

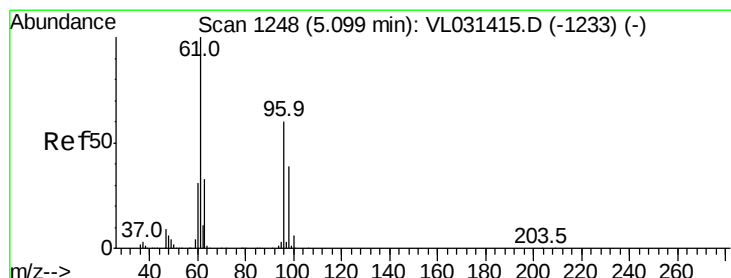
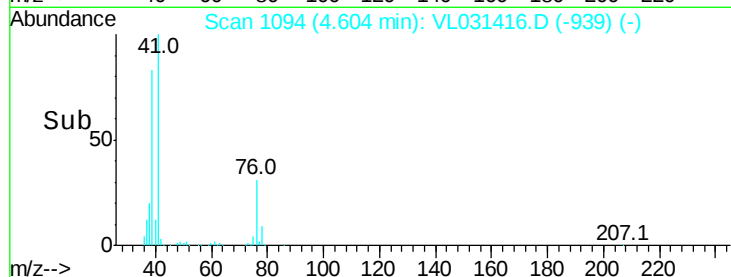
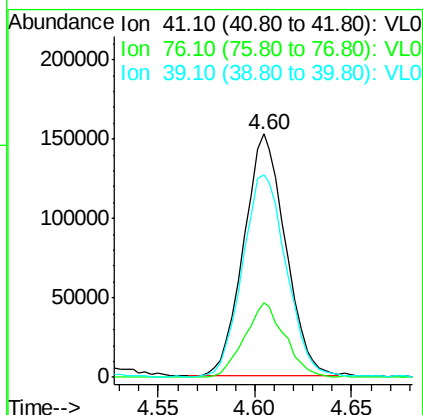
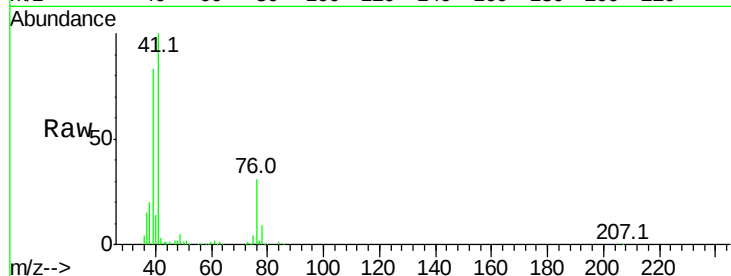




#21
 Allyl Chloride
 Concen: 1.91 ppbv
 RT: 4.60 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

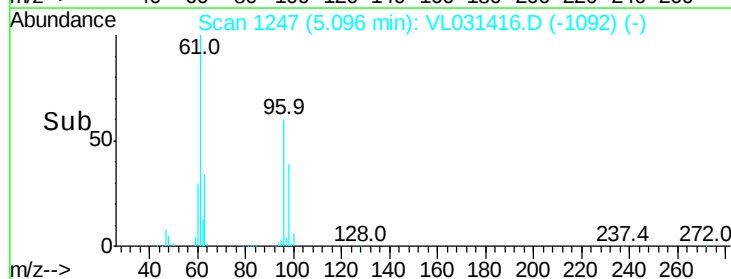
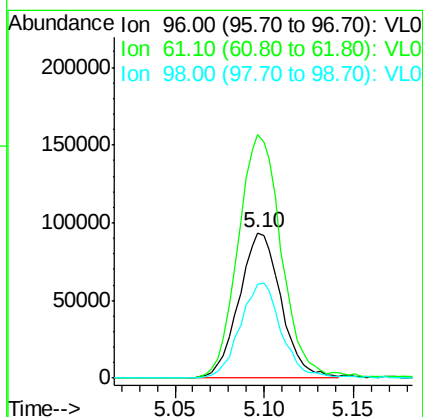
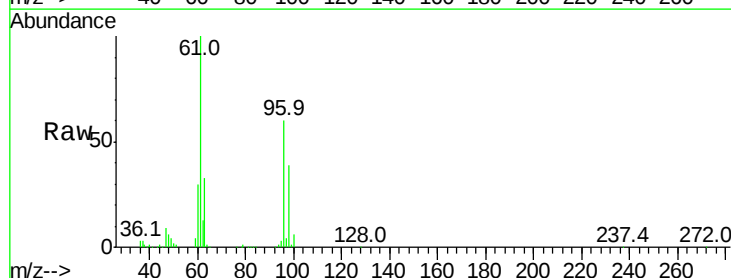
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

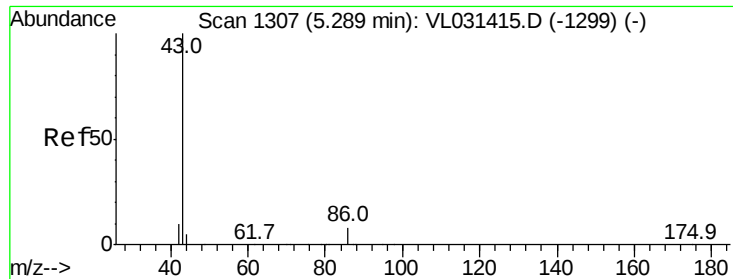
Tgt Ion: 41 Resp: 229054
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.2 36.2
 39 89.9 69.8 104.8



#22
 trans-1,2-Dichloroethene
 Concen: 1.89 ppbv
 RT: 5.10 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

Tgt Ion: 96 Resp: 153783
 Ion Ratio Lower Upper
 96 100
 61 167.1 135.0 202.4
 98 64.6 52.2 78.2





#23

Vinyl Acetate

Concen: 1.87 ppbv

RT: 5.29 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 470353

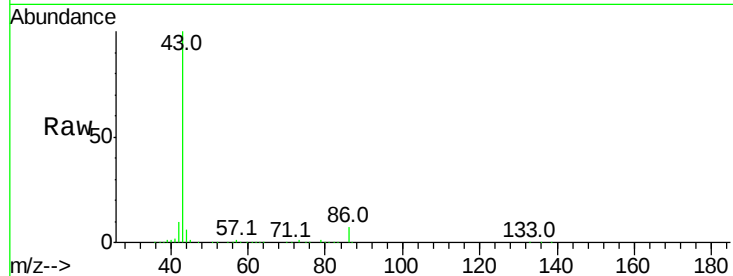
Ion Ratio Lower Upper

43 100

86 6.9 5.6 8.4

42 9.4 8.6 12.8

44 5.5 4.2 6.4

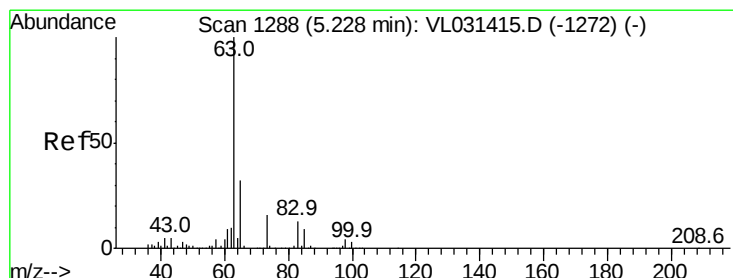
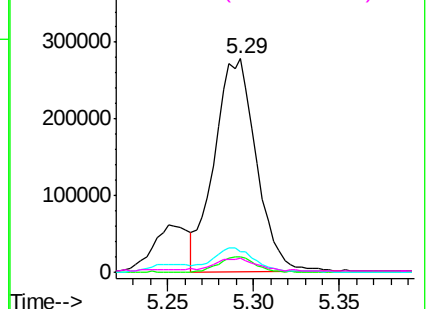
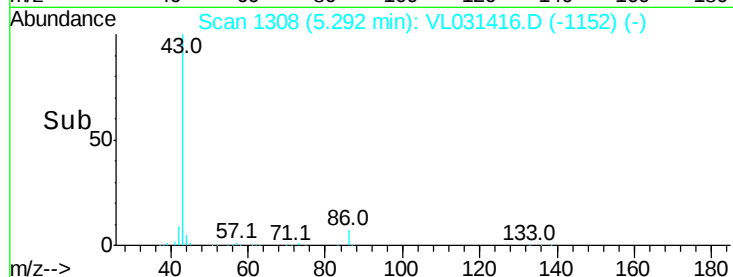


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.93 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

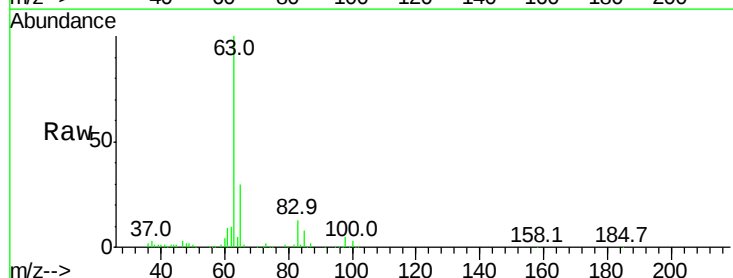
Tgt Ion: 63 Resp: 409769

Ion Ratio Lower Upper

63 100

98 4.5 2.4 7.1

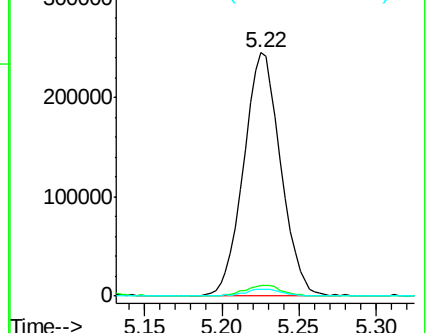
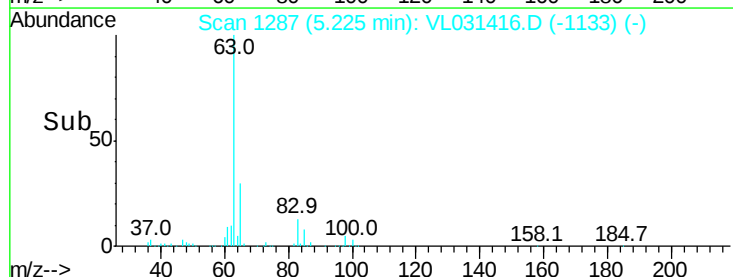
100 2.7 1.3 3.9

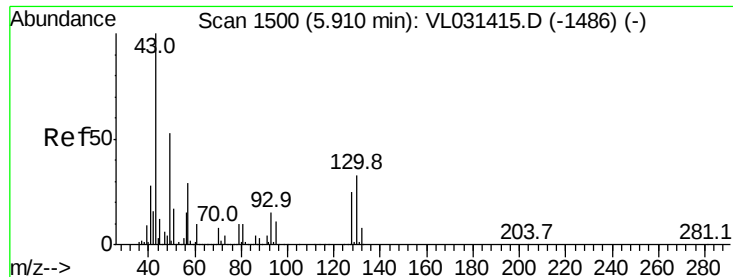


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

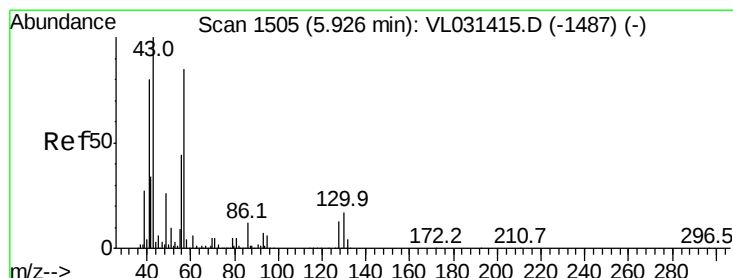
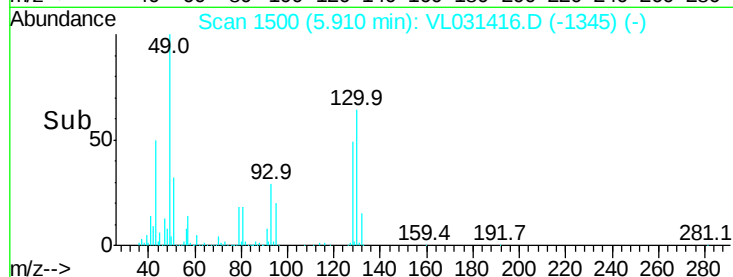
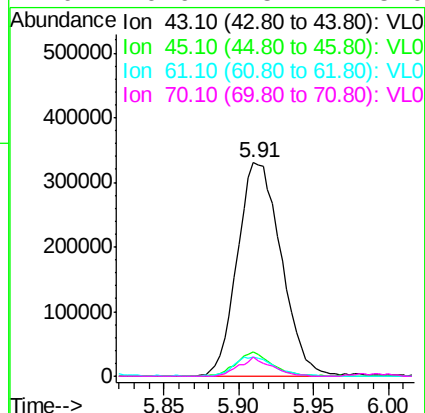
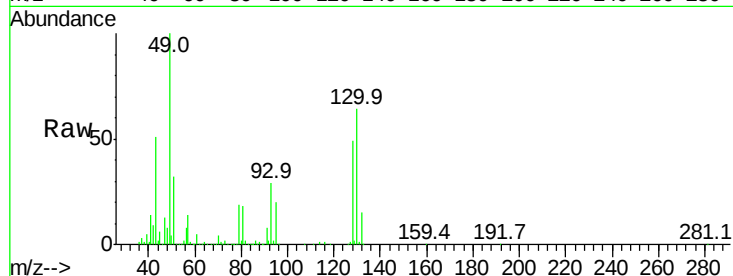




#25
Ethyl Acetate
Concen: 1.78 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VL031416.D
Acq: 22 Jan 2018 13:55

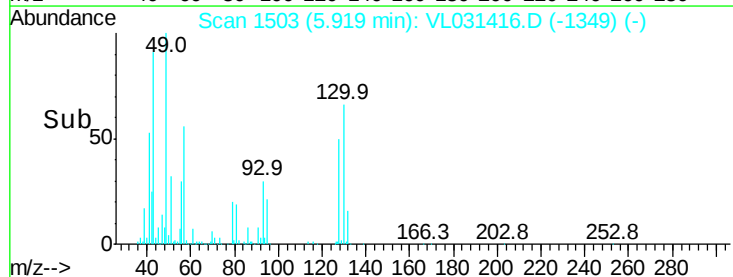
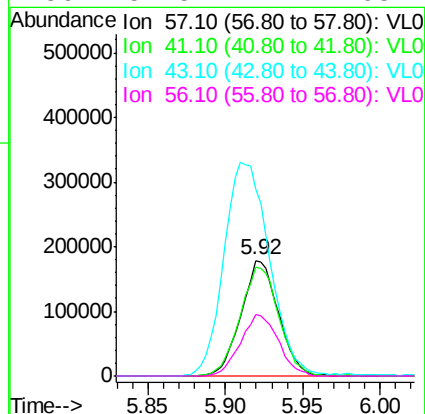
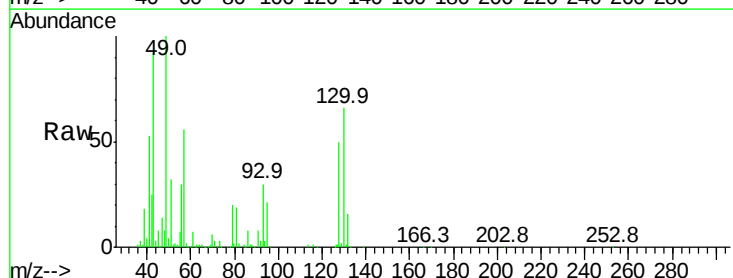
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

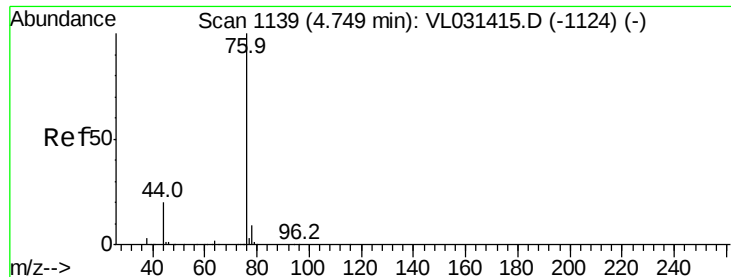
Tgt Ion:	43	Resp:	672034
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	8.6	7.0	10.6
70	6.6	5.4	8.0



#26
Hexane
Concen: 1.90 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL031416.D
Acq: 22 Jan 2018 13:55

Tgt Ion:	57	Resp:	300497
Ion	Ratio	Lower	Upper
57	100		
41	99.7	77.1	115.7
43	225.9	180.7	271.1
56	54.5	42.2	63.2





#27

Carbon Disulfide

Concen: 1.91 ppbv

RT: 4.75 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

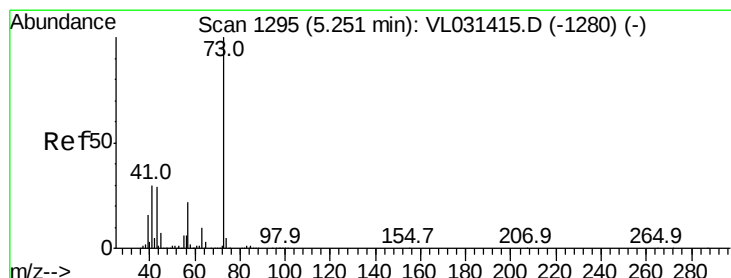
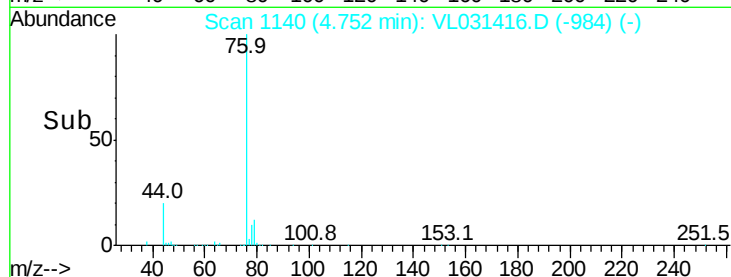
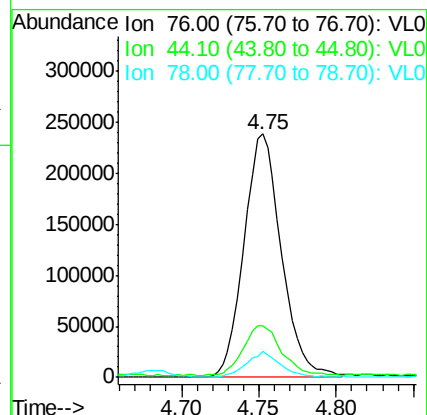
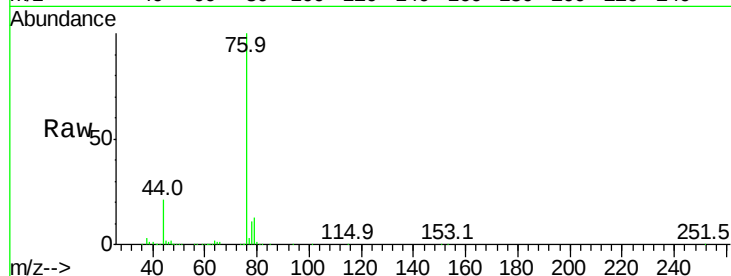
Tgt Ion: 76 Resp: 402526

Ion Ratio Lower Upper

76 100

44 22.1 16.7 25.1

78 10.2 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 1.93 ppbv

RT: 5.25 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VL031416.D

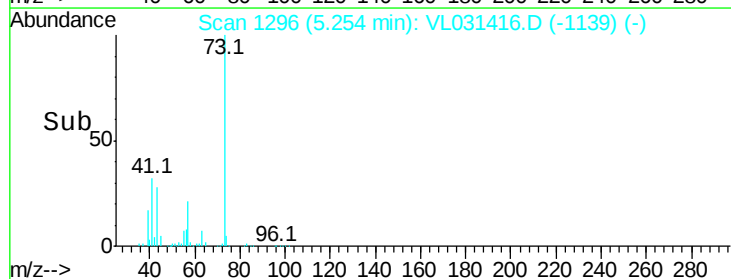
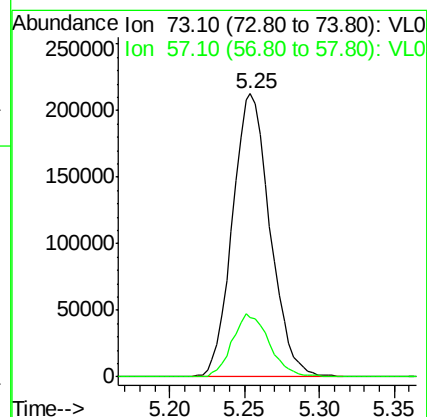
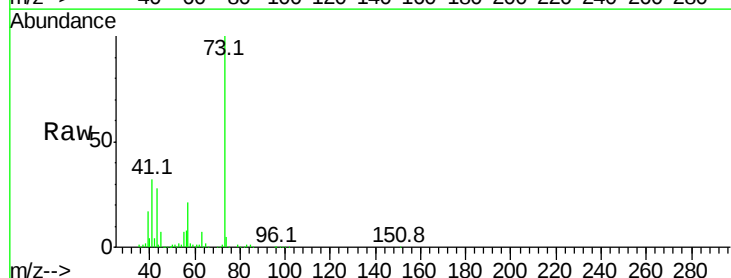
Acq: 22 Jan 2018 13:55

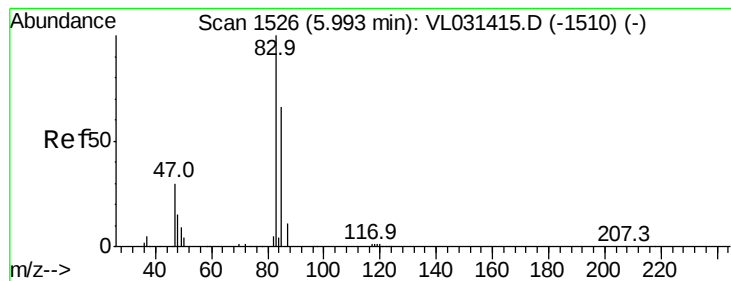
Tgt Ion: 73 Resp: 371812

Ion Ratio Lower Upper

73 100

57 22.3 17.5 26.3





#29

Chloroform

Concen: 1.87 ppbv

RT: 5.99 min Scan# 1525

Delta R.T. -0.01 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

Instrument :

MSVOA_L

ClientSampleId :

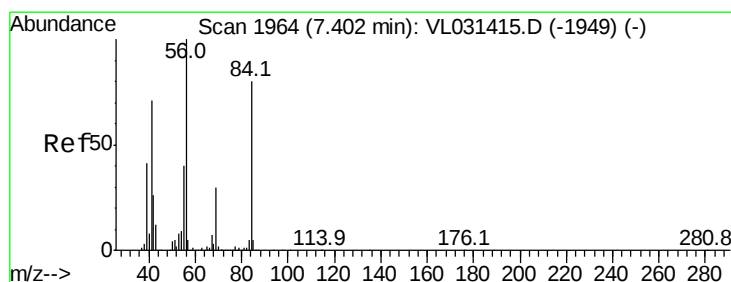
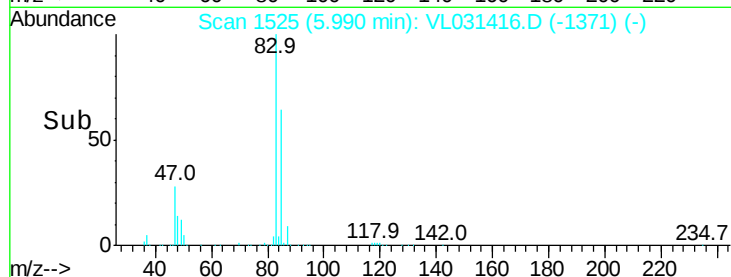
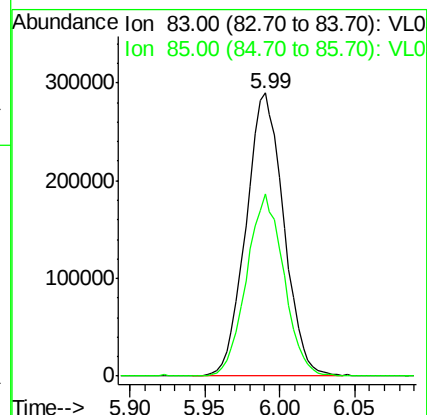
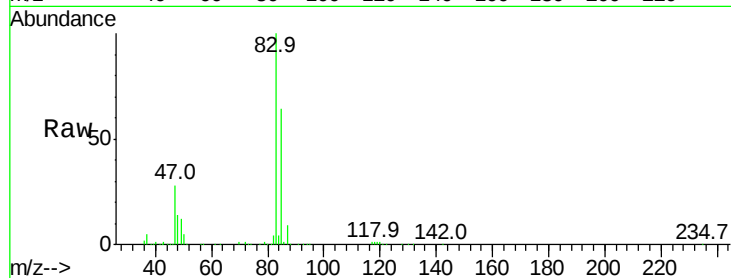
VSTDIC002

Tgt Ion: 83 Resp: 508387

Ion Ratio Lower Upper

83 100

85 64.1 51.3 76.9



#30

Cyclohexane

Concen: 1.88 ppbv

RT: 7.40 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VL031416.D

Acq: 22 Jan 2018 13:55

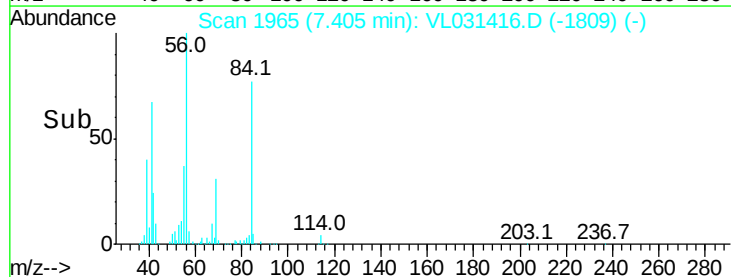
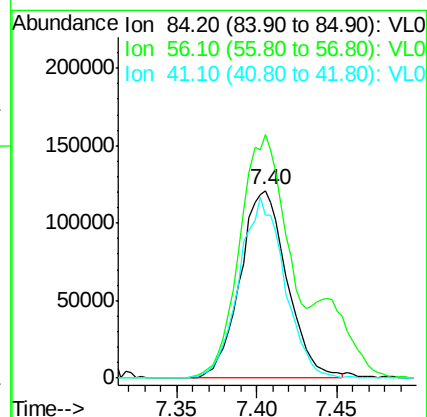
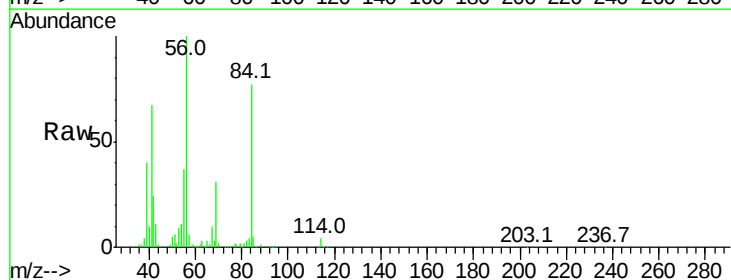
Tgt Ion: 84 Resp: 238322

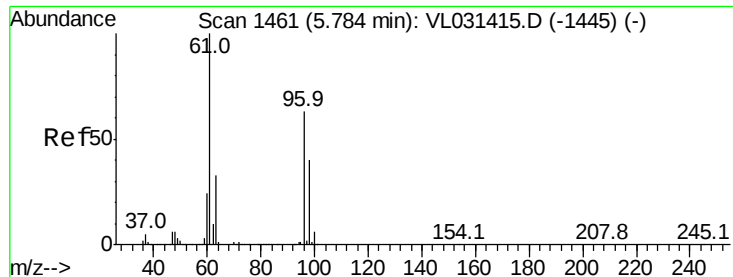
Ion Ratio Lower Upper

84 100

56 169.7 109.0 163.4#

41 95.3 73.3 109.9

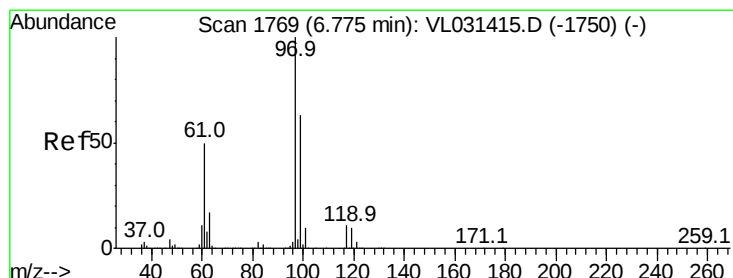
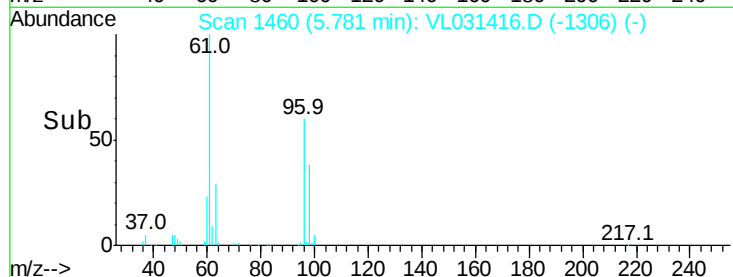
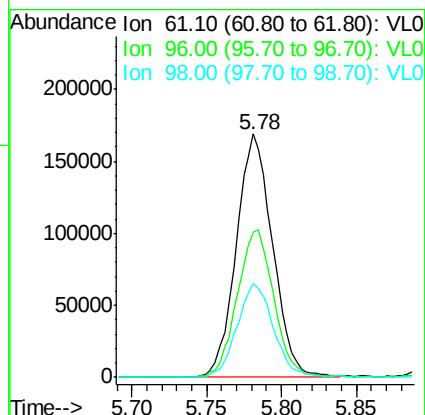
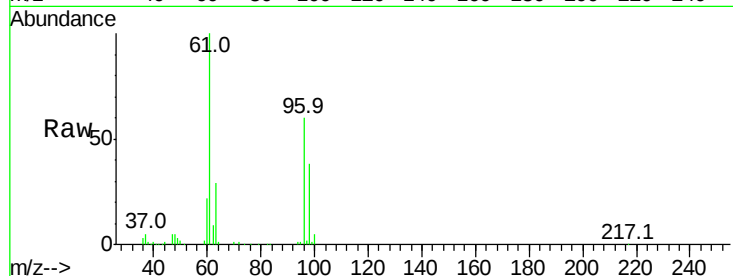




#31
 cis-1,2-Dichloroethene
 Concen: 1.85 ppbv
 RT: 5.78 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

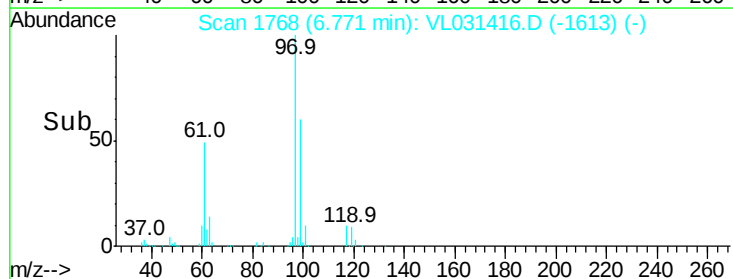
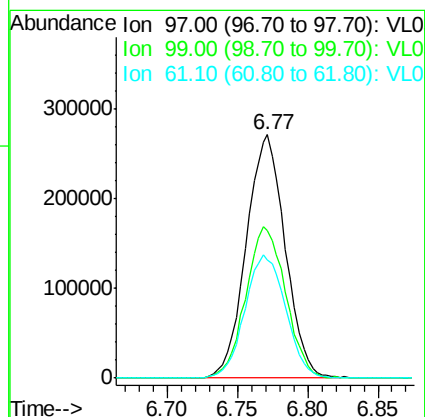
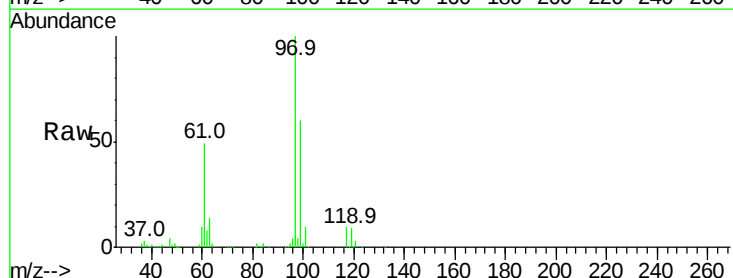
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

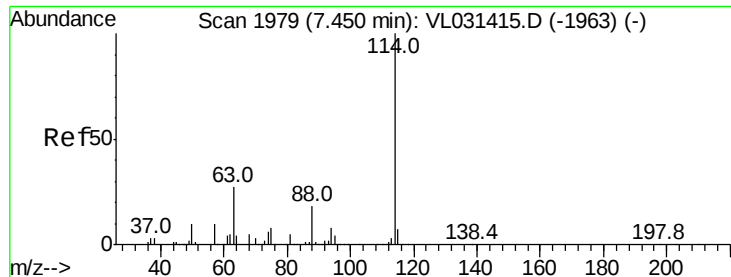
Tgt Ion	Ratio	Lower	Upper
61	100		
96	59.3	51.3	76.9
98	38.4	33.6	50.4



#32
 1,1,1-Trichloroethane
 Concen: 1.84 ppbv
 RT: 6.77 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.9	77.9
61	53.1	40.6	61.0

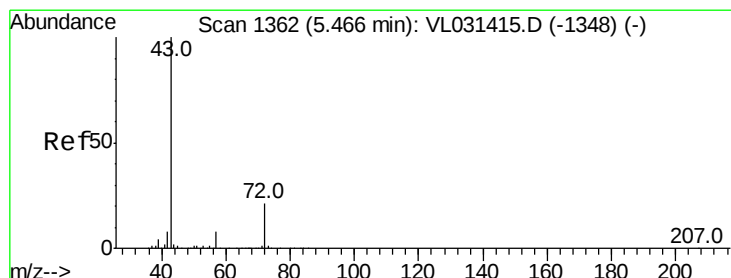
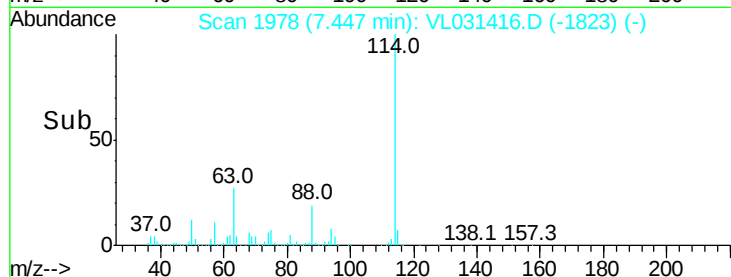
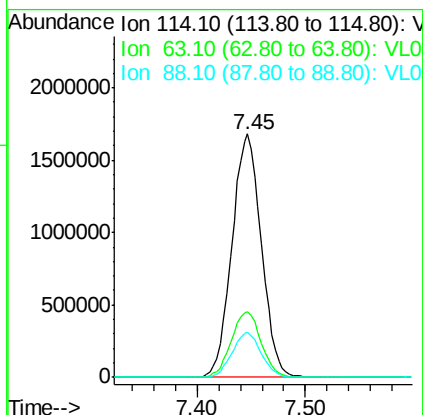
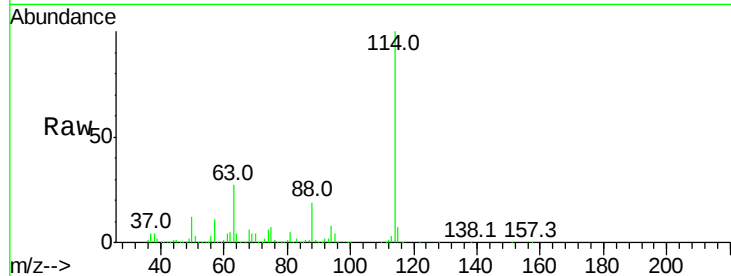




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 3186526
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.5 33.7
 88 18.3 14.6 22.0



#34
 2-Butanone
 Concen: 1.64 ppbv
 RT: 5.47 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL031416.D
 Acq: 22 Jan 2018 13:55

Tgt Ion: 43 Resp: 435274
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.8 25.2

