

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026655.D
 Acq On : 9 Jan 2016 00:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Quant Time: Jan 12 01:59:45 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	752459	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2340699	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	3764077	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.27	95	2557686	8.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	2074246	10.37	ppbv	99
3) Chlorodifluoromethane	3.56	51	877176	8.76	ppbv	94
4) Chloromethane	3.74	50	402566	8.22	ppbv	98
5) Vinyl Chloride	3.87	62	493055	8.31	ppbv	98
6) Bromomethane	4.13	94	407698	9.65	ppbv	100
7) Chloroethane	4.23	64	210211	8.76	ppbv	97
8) Dichlorotetrafluoroethane	3.79	85	1508583	9.59	ppbv	100
9) Propene	3.58	41	293888	8.16	ppbv	99
10) Heptane	9.34	43	1182700	8.81	ppbv	94
11) Trichlorofluoromethane	4.68	101	2163952	10.43	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	1244357	9.77	ppbv	99
13) Ethanol	4.32	45	35933	5.25	ppbv	98
14) Bromoethene	4.44	108	434055	9.46	ppbv	98
15) Acetone	4.59	43	1003822	8.11	ppbv	99
16) 1,3-Butadiene	3.96	39	433388	8.77	ppbv	99
17) tert-Butyl alcohol	5.10	59	864793	9.26	ppbv	100
18) 1,1-Dichloroethene	5.07	96	509282	9.58	ppbv	99
19) Isopropyl Alcohol	4.73	45	392649	7.69	ppbv #	99
20) Methylene Chloride	5.14	84	465535	9.17	ppbv	94
21) Allyl Chloride	5.21	41	661581	8.71	ppbv	88
22) trans-1,2-Dichloroethene	5.74	96	565081	9.31	ppbv	98
23) Vinyl Acetate	5.96	43	1610332	8.47	ppbv	99
24) 1,1-Dichloroethane	5.89	63	1249494	9.12	ppbv	99
25) Ethyl Acetate	6.65	43	1695865	8.87	ppbv	99
26) Hexane	6.64	57	876550	8.87	ppbv	96
27) Carbon Disulfide	5.37	76	1461310	9.95	ppbv	97
28) Methyl tert-Butyl Ether	5.93	73	1856602	9.45	ppbv	98
29) Chloroform	6.73	83	1765237	9.84	ppbv	97
30) Cyclohexane	8.26	84	937600	9.61	ppbv	97
31) cis-1,2-Dichloroethene	6.50	61	958663	9.63	ppbv	96
32) 1,1,1-Trichloroethane	7.58	97	1955105	9.66	ppbv	99
34) 2-Butanone	6.18	43	1007076	8.07	ppbv	97
35) Carbon Tetrachloride	8.14	117	1963072	9.53	ppbv	97
36) Benzene	8.01	78	2093134	8.69	ppbv	99
37) 1,2-Dichloroethane	7.35	62	1577681	9.58	ppbv	98
38) Trichloroethene	9.04	130	867577	8.07	ppbv	98
39) 1,2-Dichloropropane	8.81	63	696891	8.37	ppbv	94
40) 1,4-Dioxane	9.10	88	154292	8.06	ppbv #	1
41) Tetrahydrofuran	7.10	42	508726	8.23	ppbv	95
42) Bromodichloromethane	9.01	83	2039193	9.58	ppbv	100
43) Methyl Methacrylate	9.24	69	835350	9.50	ppbv	97

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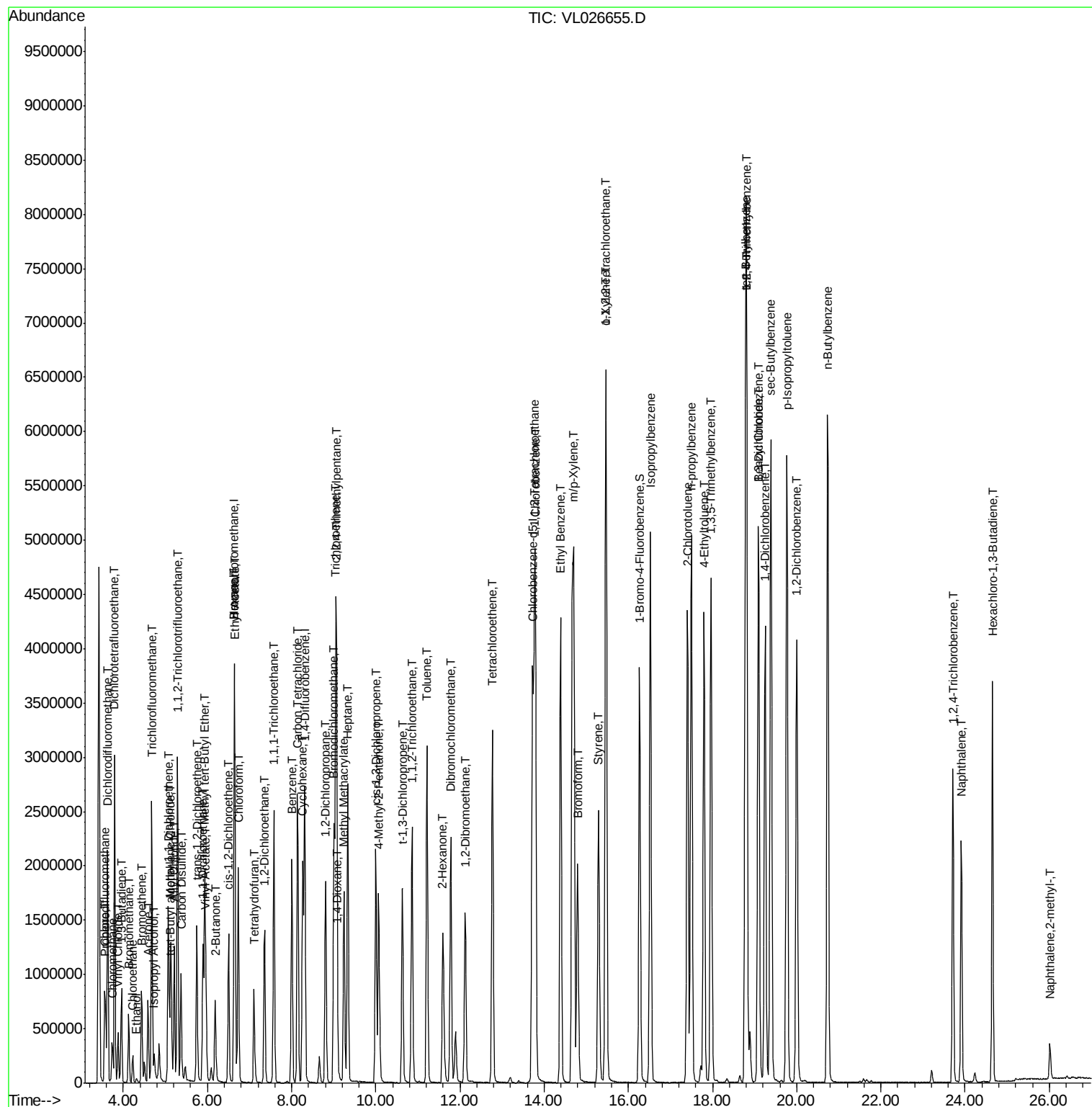
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	3254954	8.37	ppbv	97
45) t-1,3-Dichloropropene	10.63	75	1450880	10.18	ppbv	97
46) cis-1,3-Dichloropropene	10.00	75	1588743	9.81	ppbv	98
47) 1,1,2-Trichloroethane	10.86	97	1058710	8.92	ppbv	98
48) Dibromochloromethane	11.78	129	1775794	9.97	ppbv	100
49) Bromoform	14.79	173	1464451	10.08	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1528962	8.72	ppbv	99
51) 2-Hexanone	11.59	43	1503777	9.31	ppbv #	98
52) Tetrachloroethene	12.77	164	997628	8.28	ppbv	98
53) Toluene	11.21	91	3170046	9.34	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1722829	9.17	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	1328260	7.67	ppbv	98
57) Chlorobenzene	13.79	112	2679108	6.91	ppbv	99
58) Ethyl Benzene	14.39	91	5137747	7.64	ppbv	99
59) m/p-Xylene	14.69	91	3461000	6.25	ppbv #	9
60) o-Xylene	15.47	91	4188227	6.99	ppbv	100
61) Styrene	15.29	104	1944933	8.31	ppbv	99
62) Isopropylbenzene	16.52	105	5880512	7.42	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	2591737	5.81	ppbv	99
64) n-propylbenzene	17.50	120	1552848	7.30	ppbv	98
65) tert-Butylbenzene	18.79	119	5026958	6.92	ppbv	100
66) Benzyl Chloride	19.08	91	1994049	7.68	ppbv	100
67) sec-Butylbenzene	19.39	105	7793336	7.23	ppbv	99
69) p-Isopropyltoluene	19.77	119	6126663	7.43	ppbv	100
70) n-Butylbenzene	20.74	91	6375278	7.43	ppbv	99
71) 2-Chlorotoluene	17.41	91	4723691	7.65	ppbv	99
72) 4-Ethyltoluene	17.80	105	5115813	7.64	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	4749094	7.48	ppbv	100
74) 1,2,4-Trimethylbenzene	18.81	105	4577063	6.79	ppbv #	92
75) 1,3-Dichlorobenzene	19.10	146	2849380	6.85	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	2993704	7.01	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	2938157	6.96	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	935277	5.43	ppbv	99
79) Naphthalene	23.91	128	2575996	5.66	ppbv	99
80) Naphthalene, 2-methyl-	26.02	142	242425	3.43	ppbv #	94
81) 1,2,4-Trichlorobenzene	23.71	180	1234699	5.96	ppbv	99

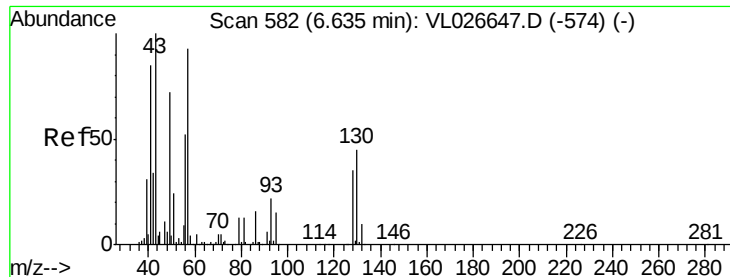
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

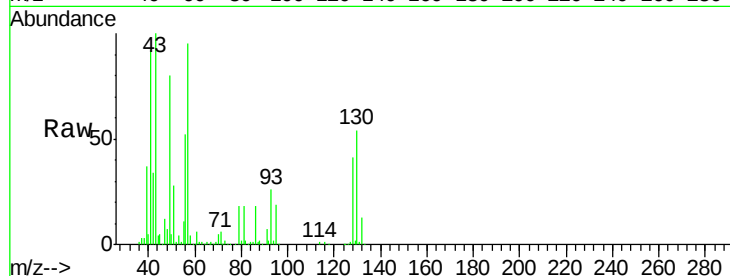
Tot Ion: 49 Resp: 752459

Ion Ratio Lower Upper

49 100

128 54.9 25.9 77.7

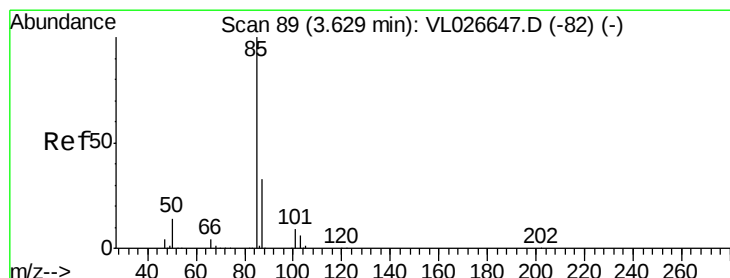
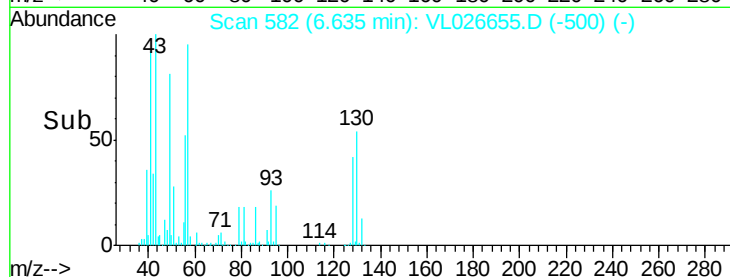
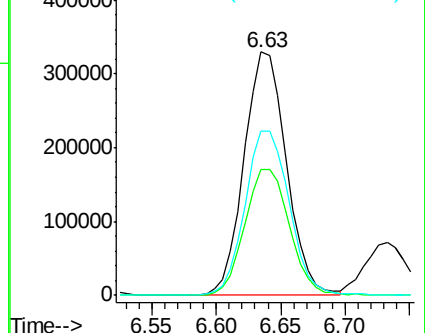
130 71.2 33.6 100.8



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: 10.37 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026655.D

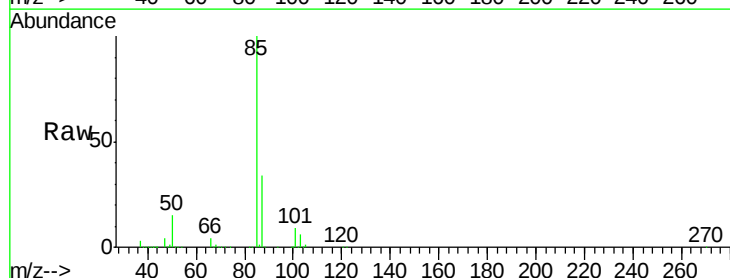
Acq: 9 Jan 2016 00:15

Tgt Ion: 85 Resp: 2074246

Ion Ratio Lower Upper

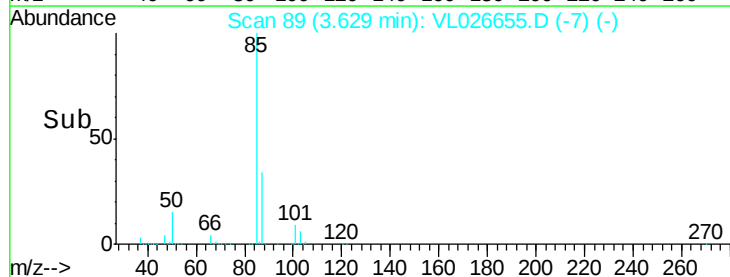
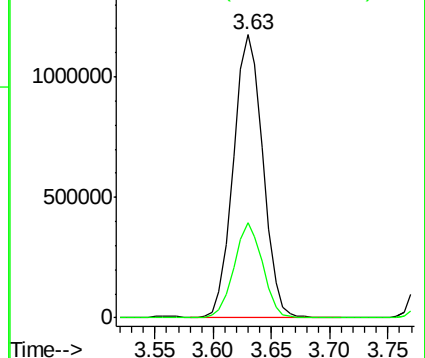
85 100

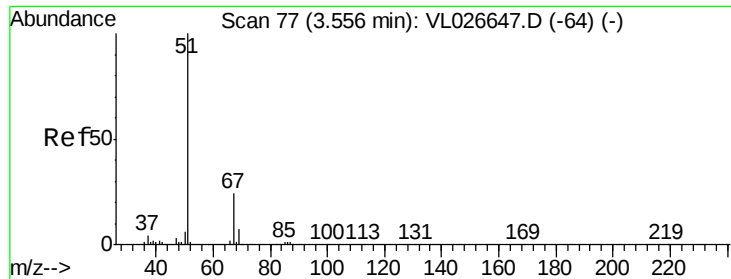
87 33.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.76 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

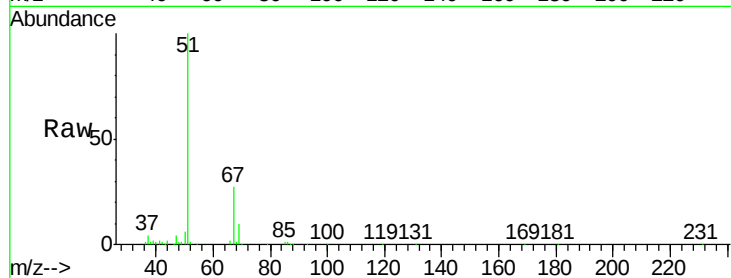
ICVVL010816

Tot Ion: 51 Resp: 877176

Ion Ratio Lower Upper

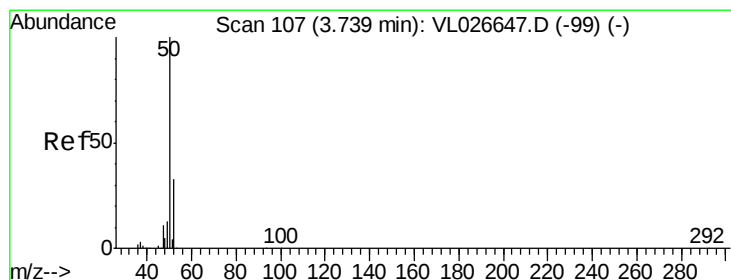
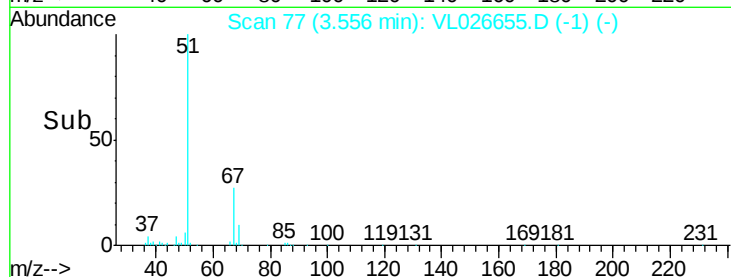
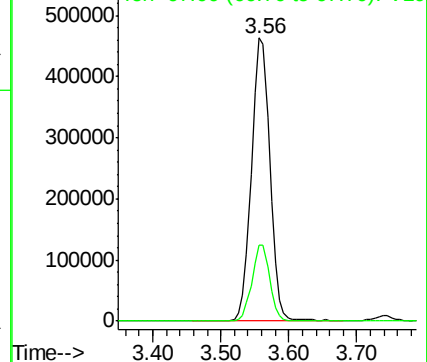
51 100

67 26.3 18.6 28.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.22 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026655.D

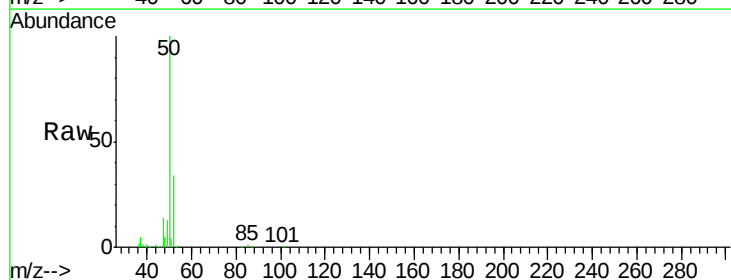
Acq: 9 Jan 2016 00:15

Tgt Ion: 50 Resp: 402566

Ion Ratio Lower Upper

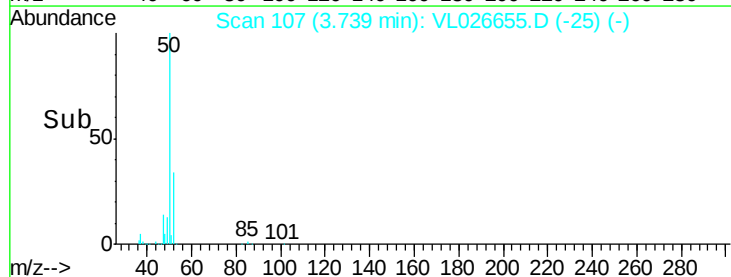
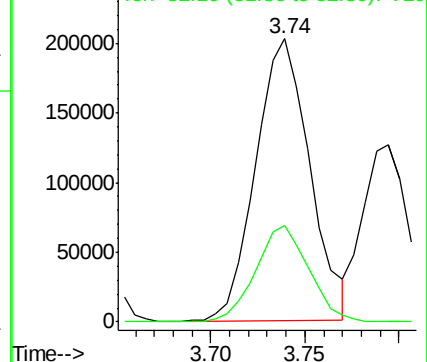
50 100

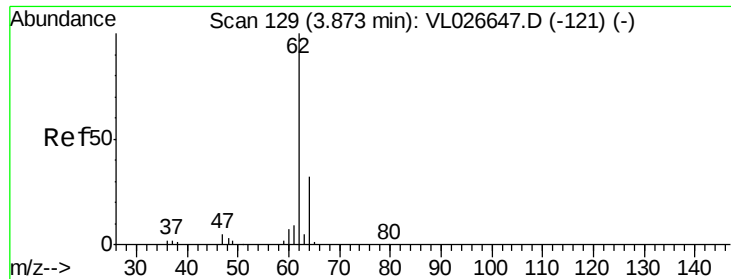
52 34.4 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

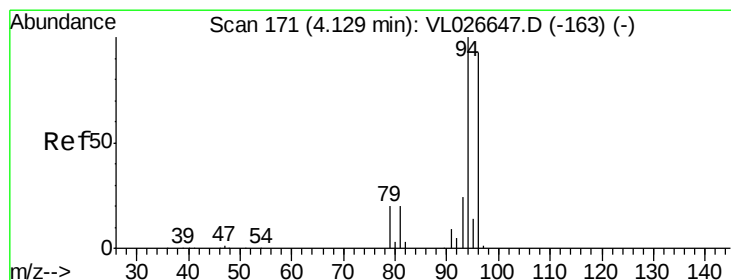
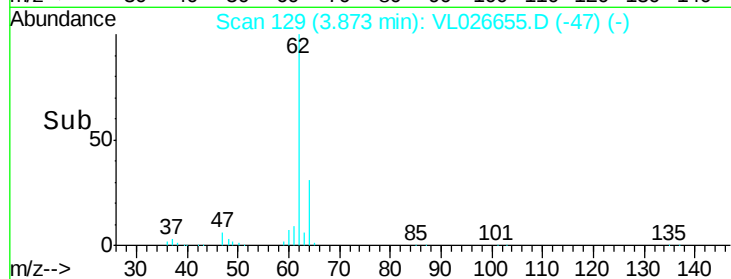
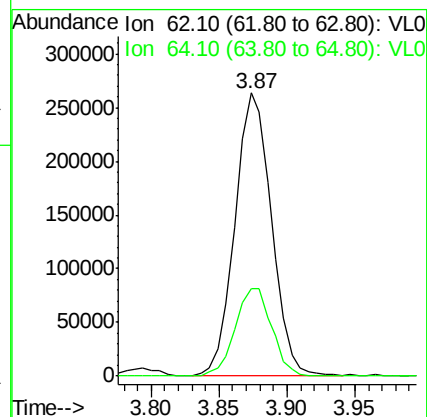
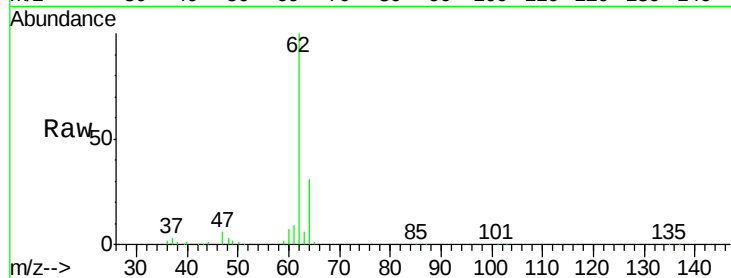
ICVVL010816

Tot Ion: 62 Resp: 493055

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4



#6

Bromomethane

Concen: 9.65 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026655.D

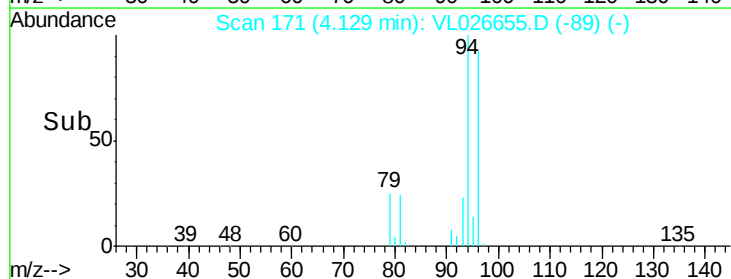
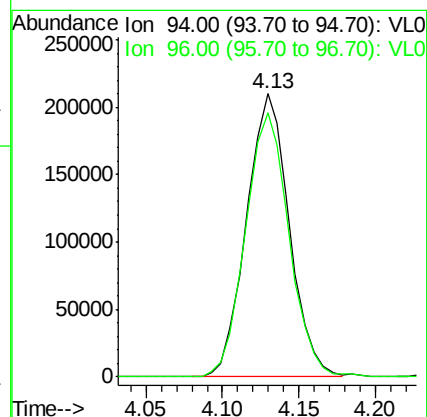
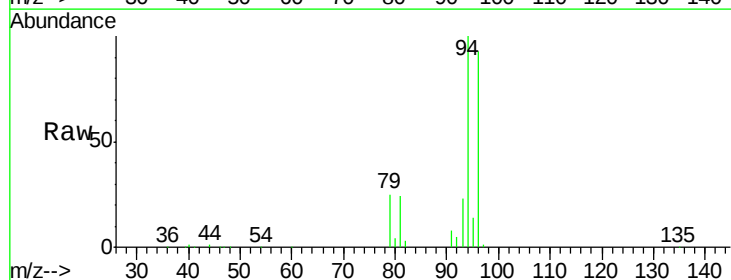
Acq: 9 Jan 2016 00:15

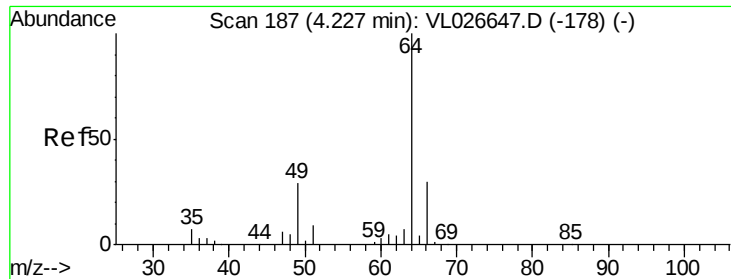
Tgt Ion: 94 Resp: 407698

Ion Ratio Lower Upper

94 100

96 93.4 74.6 112.0





#7

Chloroethane

Concen: 8.76 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

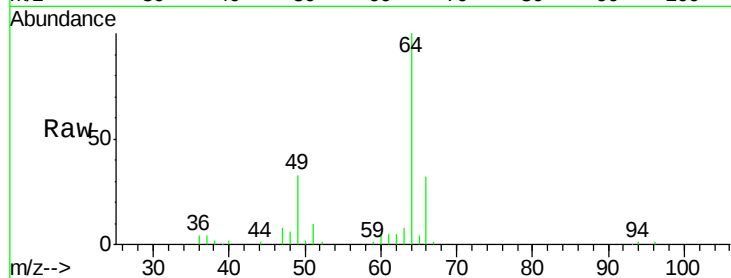
ICVVL010816

Tot Ion: 64 Resp: 210211

Ion Ratio Lower Upper

64 100

66 32.0 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.23

120000

100000

80000

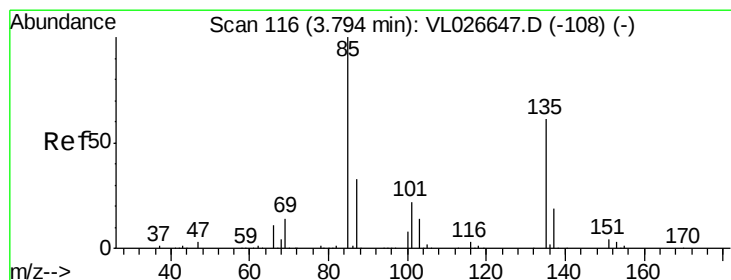
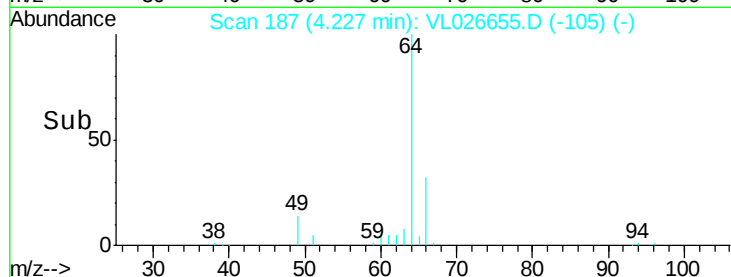
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.59 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026655.D

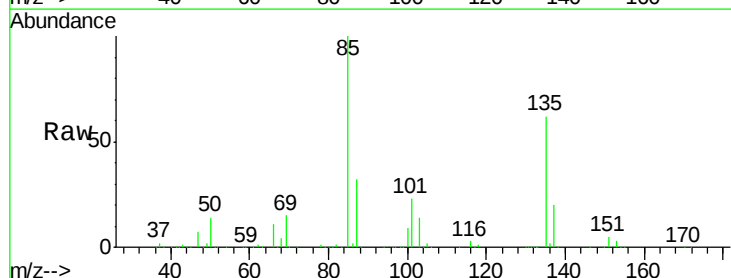
Acq: 9 Jan 2016 00:15

Tgt Ion: 85 Resp: 1508583

Ion Ratio Lower Upper

85 100

135 62.2 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.79

1000000

800000

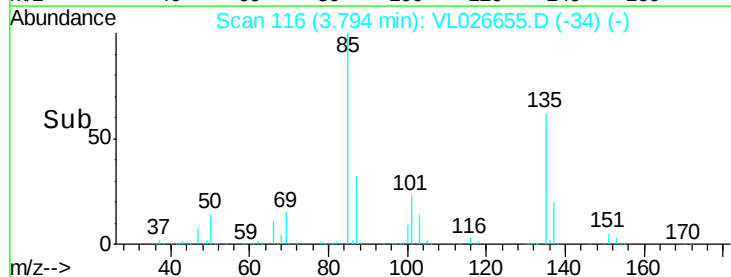
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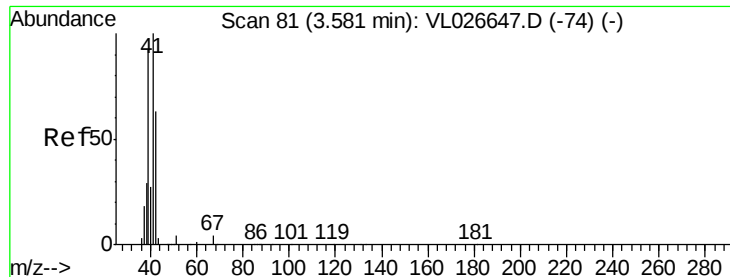
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200000

0

Time-->





#9

Propene

Concen: 8.16 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026655.D

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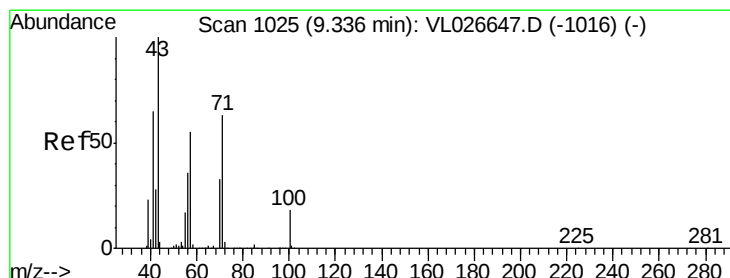
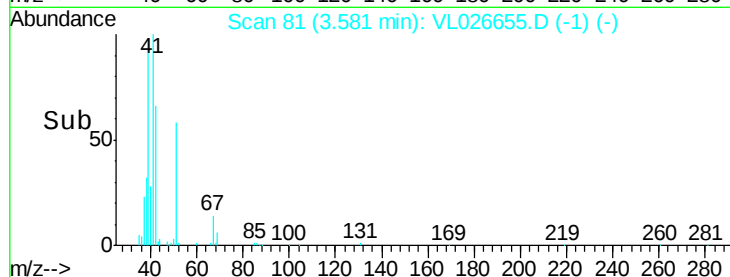
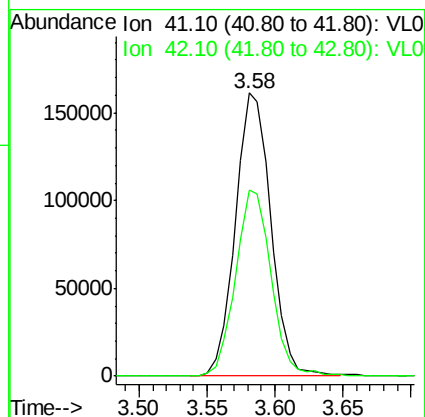
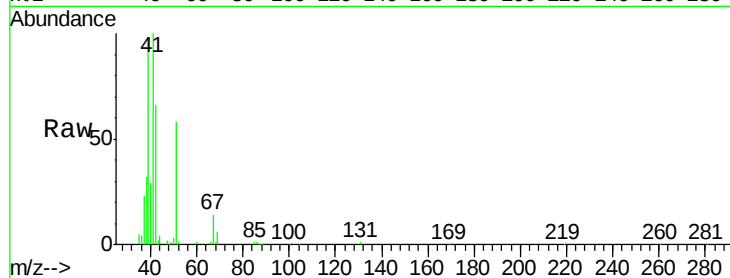
ICVVL010816

Tot Ion: 41 Resp: 293888

Ion Ratio Lower Upper

41 100

42 65.9 53.6 80.4



#10

Heptane

Concen: 8.81 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VL026655.D

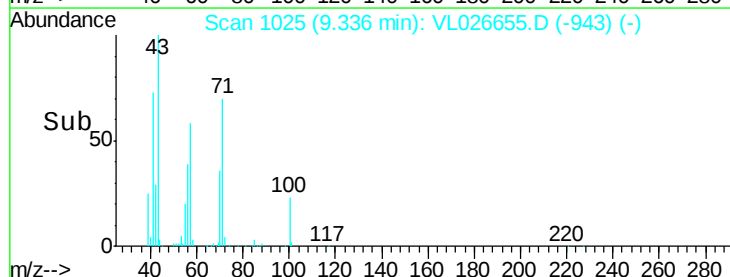
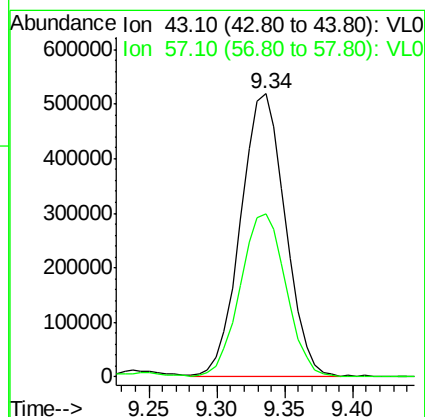
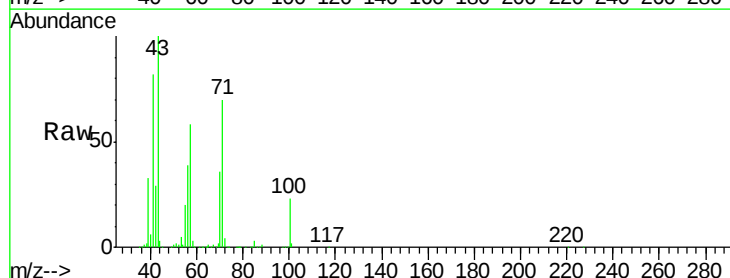
Acq: 9 Jan 2016 00:15

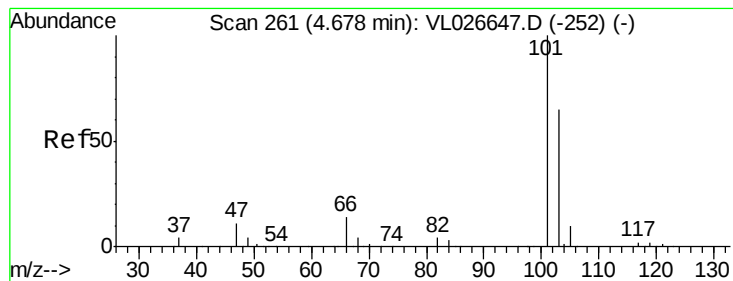
Tgt Ion: 43 Resp: 1182700

Ion Ratio Lower Upper

43 100

57 61.8 45.8 68.6





#11

Trichlorofluoromethane

Concen: 10.43 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

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ClientSampleId :

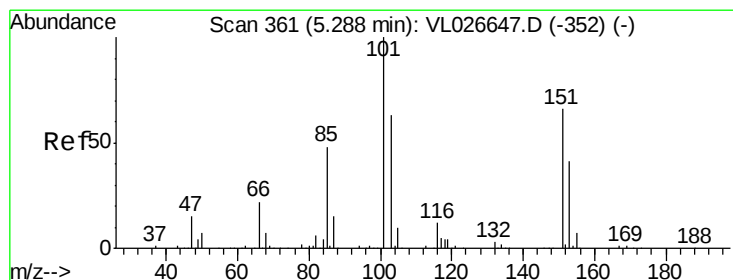
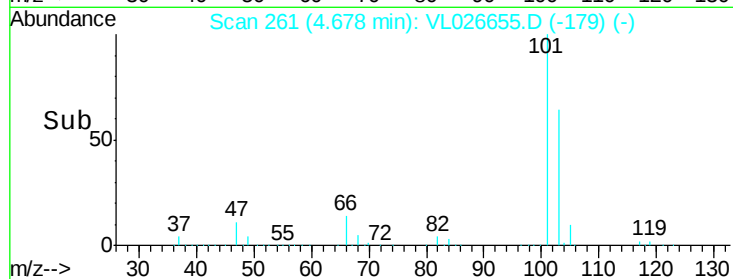
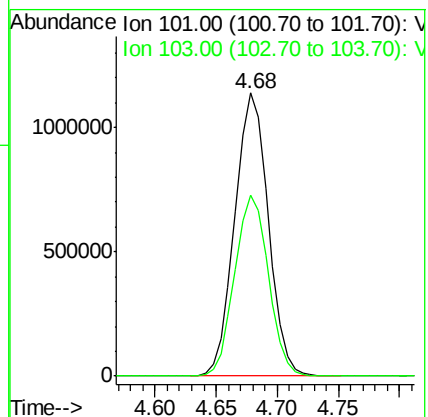
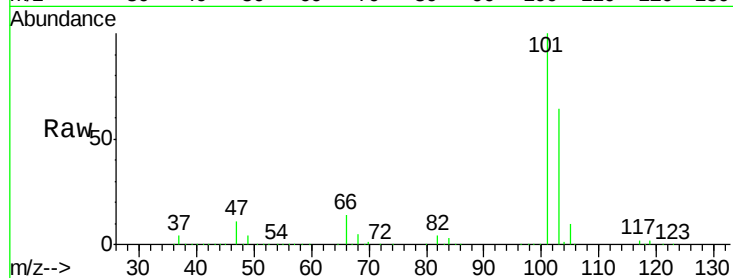
ICVVL010816

Tot Ion:101 Resp: 2163952

Ion Ratio Lower Upper

101 100

103 63.8 51.7 77.5



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.77 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026655.D

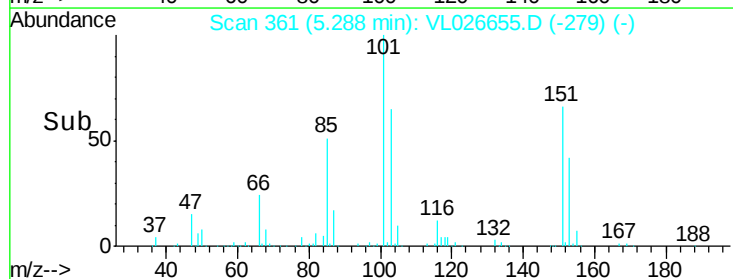
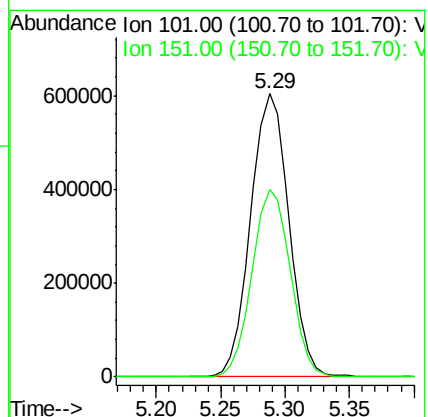
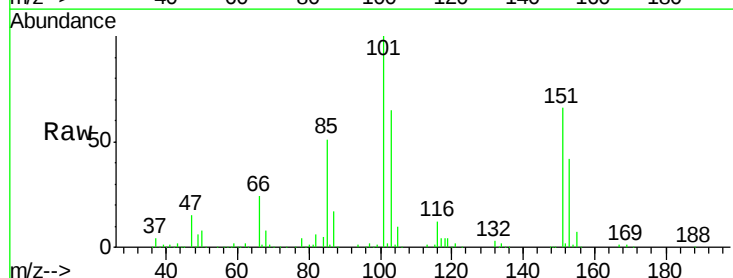
Acq: 9 Jan 2016 00:15

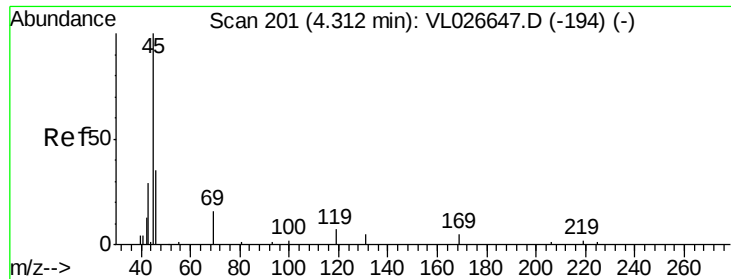
Tgt Ion:101 Resp: 1244357

Ion Ratio Lower Upper

101 100

151 66.7 54.2 81.4





#13

Ethanol

Concen: 5.25 ppbv

RT: 4.32 min Scan# 202

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

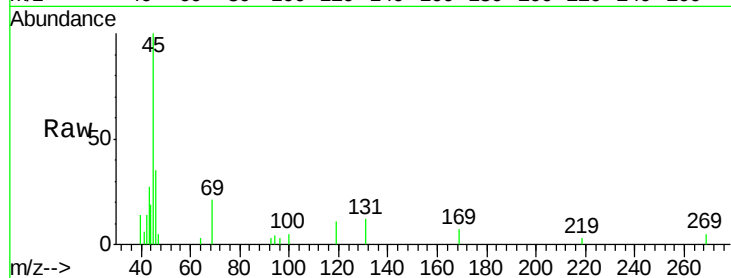
ICVVL010816

Tot Ion: 45 Resp: 35933

Ion Ratio Lower Upper

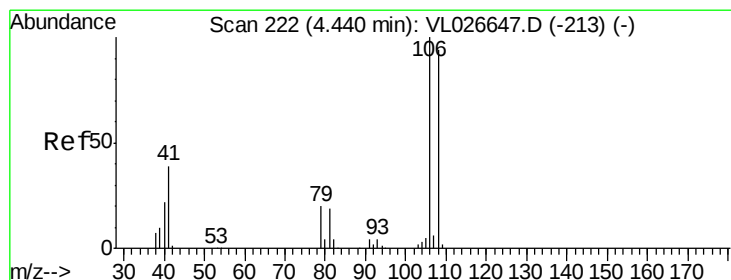
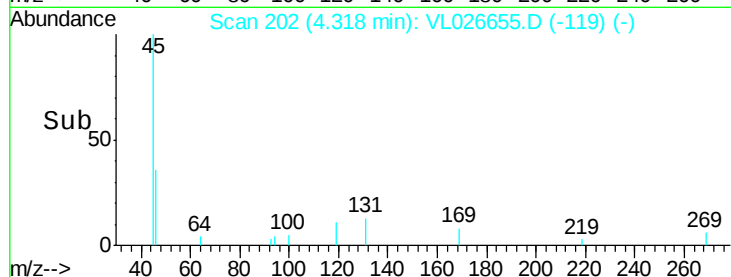
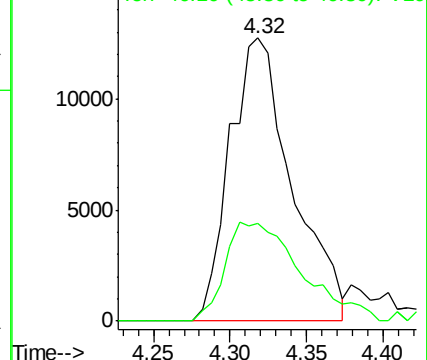
45 100

46 43.1 16.7 66.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.46 ppbv

RT: 4.44 min Scan# 222

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

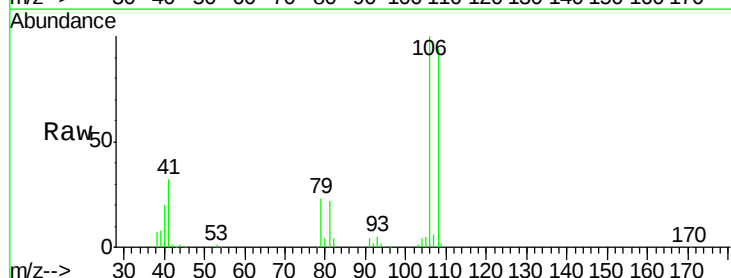
Tgt Ion:108 Resp: 434055

Ion Ratio Lower Upper

108 100

106 108.5 86.4 129.6

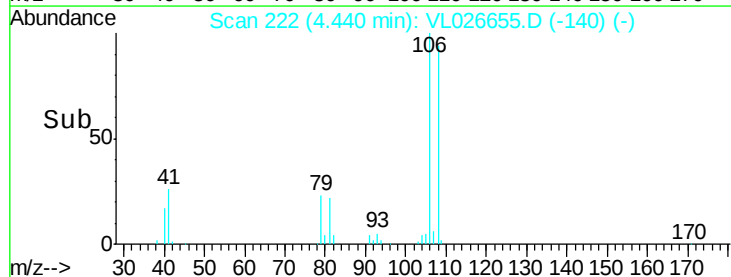
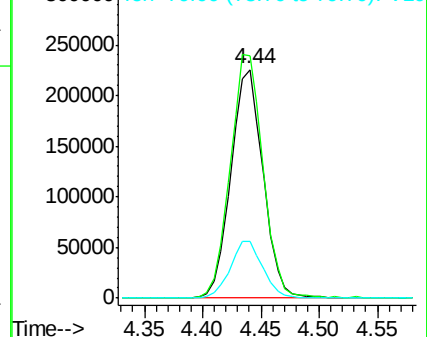
79 25.4 17.2 25.8

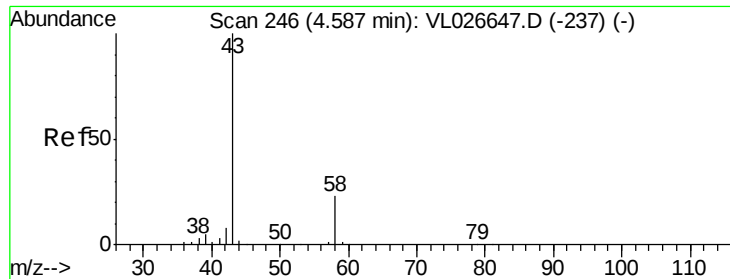


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.11 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

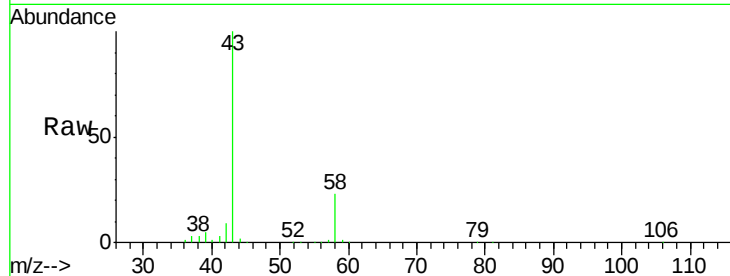
ICVVL010816

Tot Ion: 43 Resp: 1003822

Ion Ratio Lower Upper

43 100

58 23.4 19.2 28.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.59

500000

400000

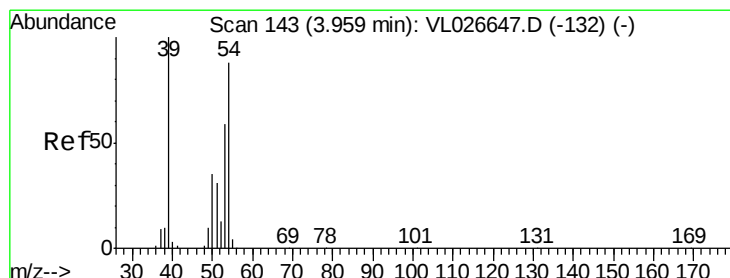
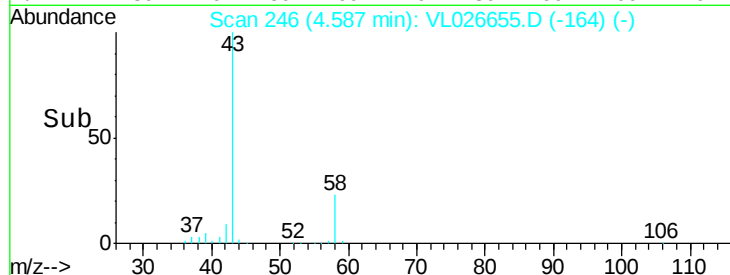
300000

200000

100000

0

Time-->



#16

1,3-Butadiene

Concen: 8.77 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026655.D

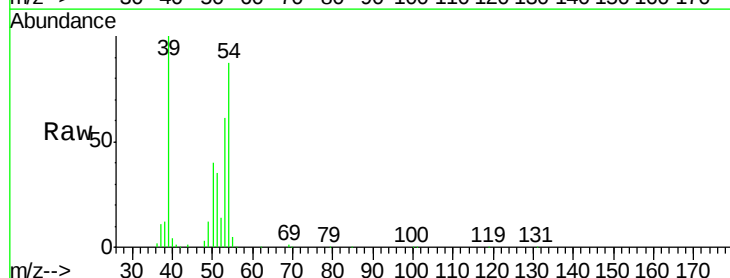
Acq: 9 Jan 2016 00:15

Tgt Ion: 39 Resp: 433388

Ion Ratio Lower Upper

39 100

54 82.6 66.6 100.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.96

250000

200000

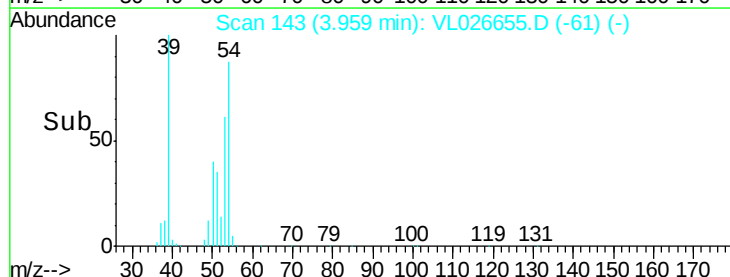
150000

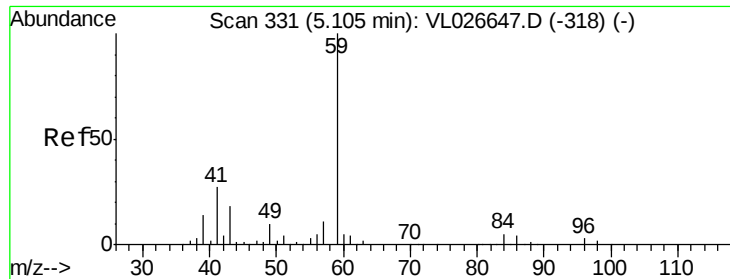
100000

50000

0

Time-->



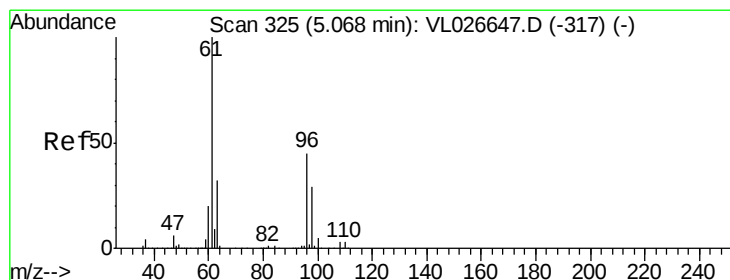
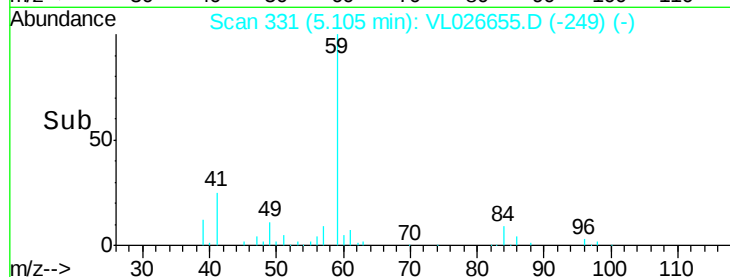
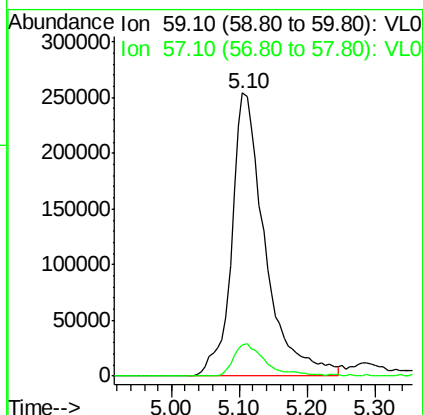
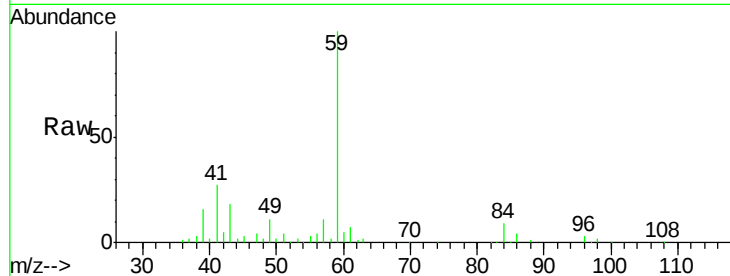


#17

tert-Butyl alcohol
Concen: 9.26 ppbv
RT: 5.10 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

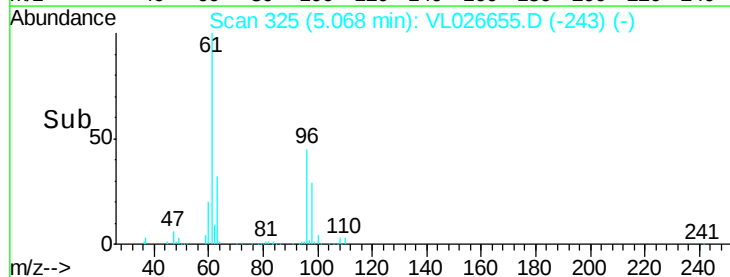
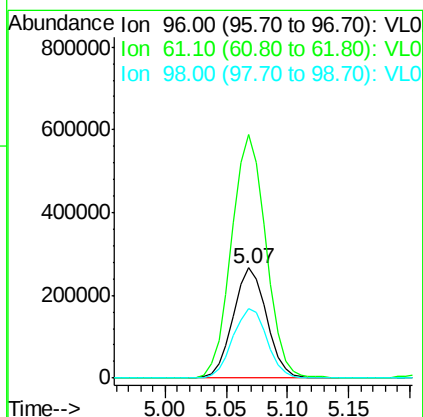
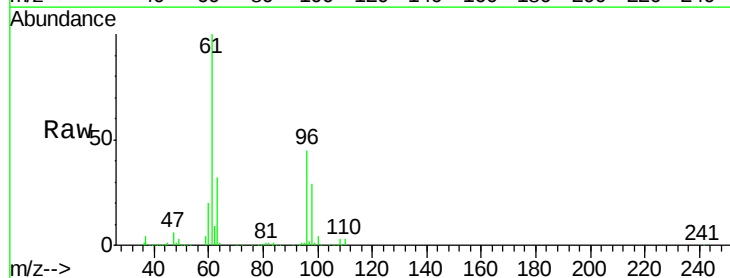
Tot Ion: 59 Resp: 864793
Ion Ratio Lower Upper
59 100
57 11.5 9.0 13.6

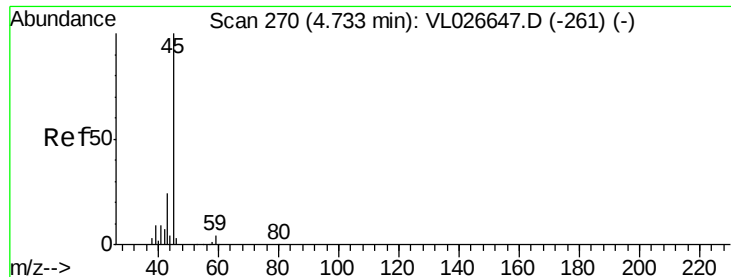


#18

1,1-Dichloroethene
Concen: 9.58 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 96 Resp: 509282
Ion Ratio Lower Upper
96 100
61 221.5 176.7 265.1
98 63.4 51.8 77.6





#19

Isopropyl Alcohol

Concen: 7.69 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

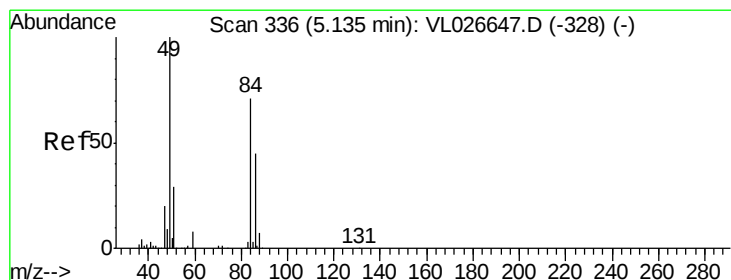
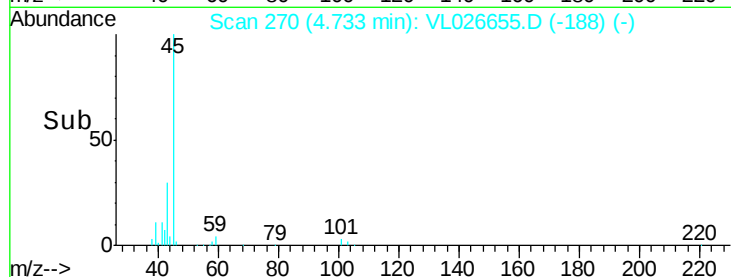
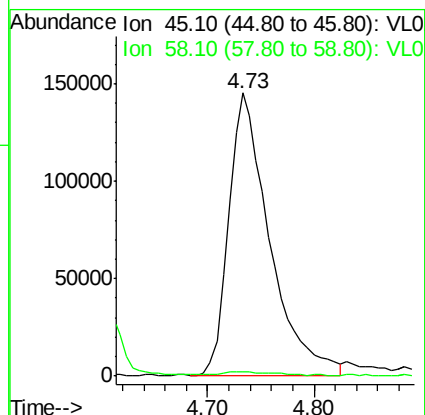
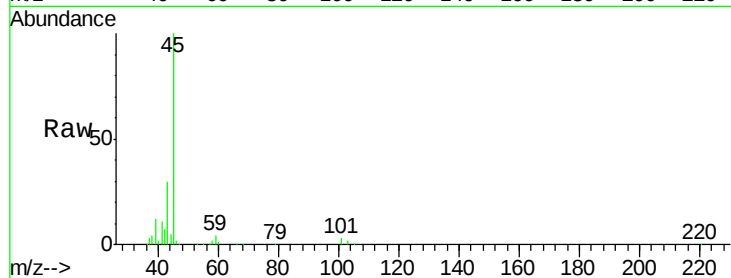
ICVVL010816

Tot Ion: 45 Resp: 392649

Ion Ratio Lower Upper

45 100

58 2.1 1.3 1.9#



#20

Methylene Chloride

Concen: 9.17 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion: 84 Resp: 465535

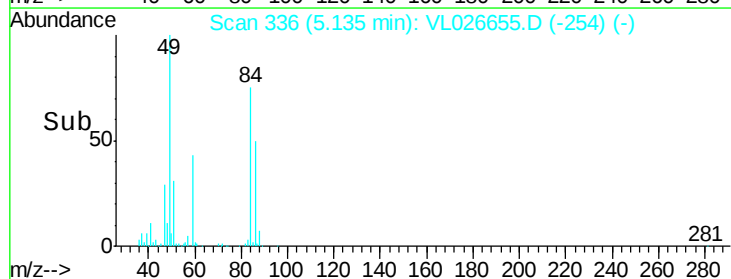
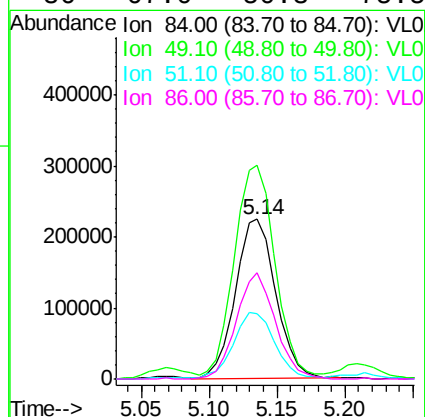
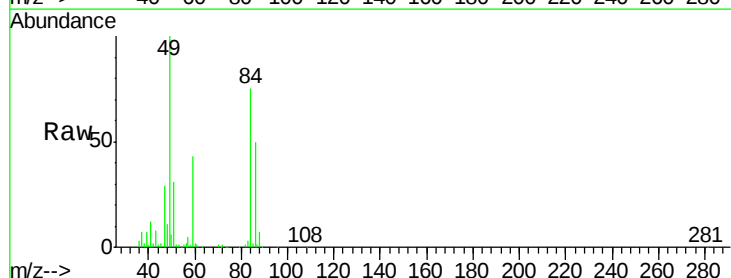
Ion Ratio Lower Upper

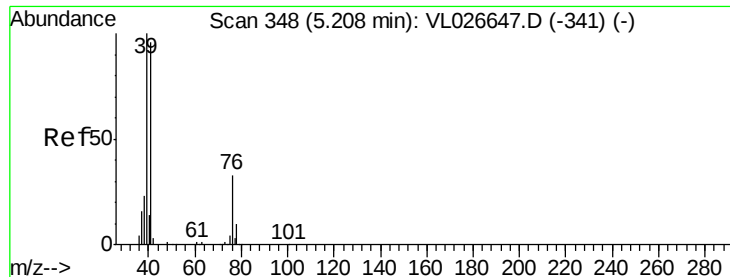
84 100

49 130.6 112.3 168.5

51 40.3 32.5 48.7

86 67.0 50.3 75.5

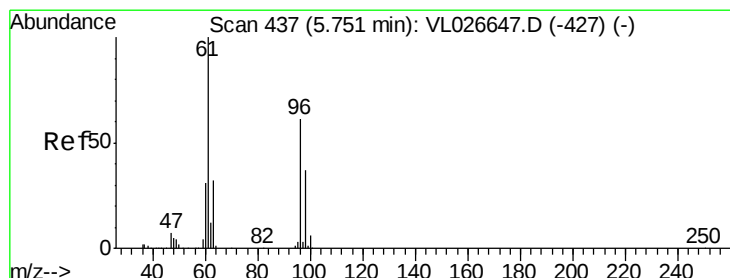
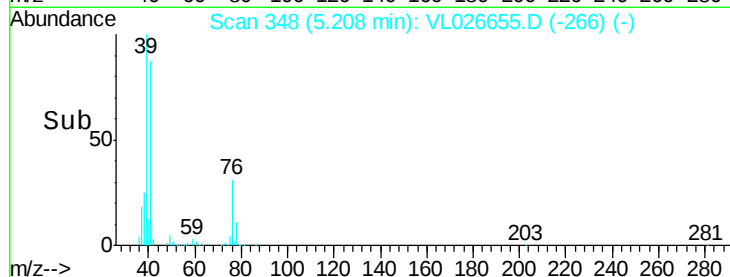
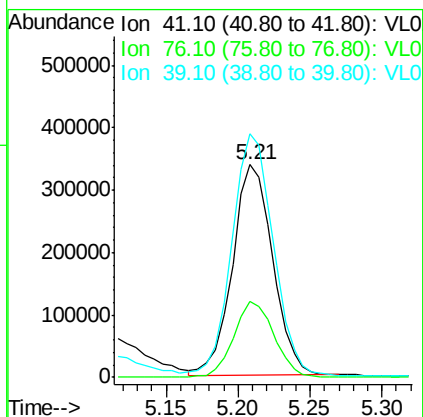
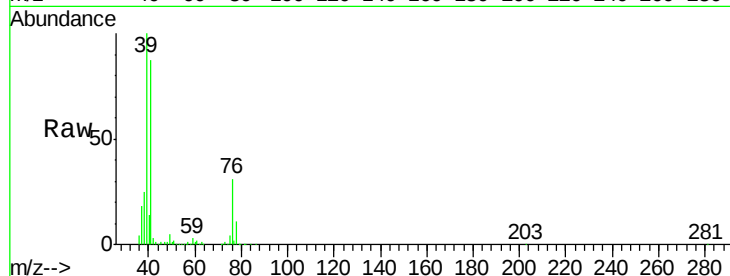




#21
Allvl Chloride
Concen: 8.71 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

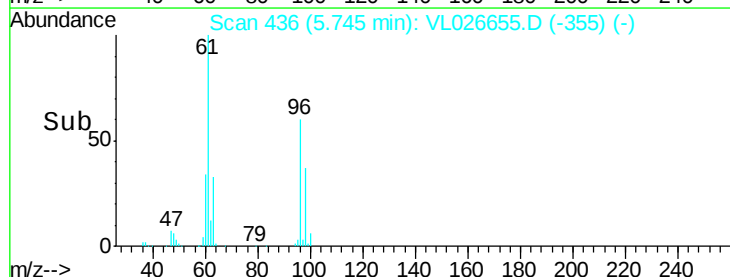
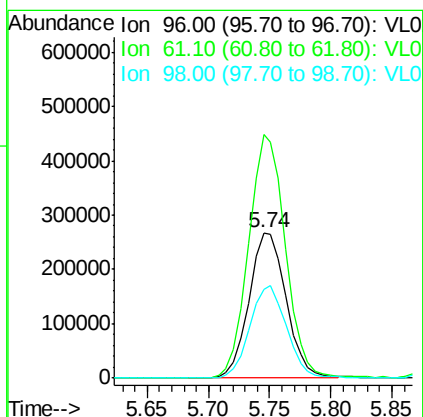
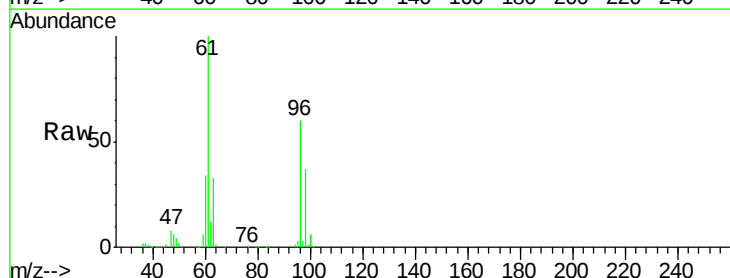
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

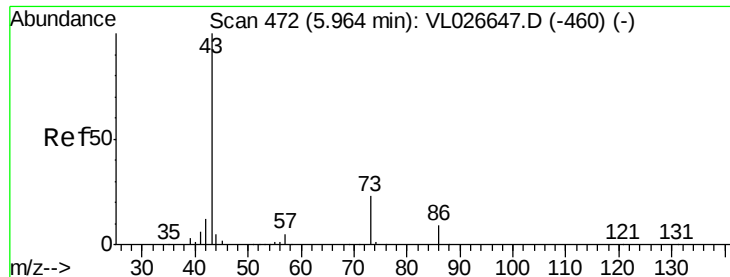
Tot Ion: 41 Resp: 661581
Ion Ratio Lower Upper
41 100
76 35.9 27.5 41.3
39 119.0 83.0 124.6



#22
trans-1,2-Dichloroethene
Concen: 9.31 ppbv
RT: 5.74 min Scan# 436
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 96 Resp: 565081
Ion Ratio Lower Upper
96 100
61 167.3 131.0 196.6
98 61.2 48.1 72.1





#23

Vinyl Acetate

Concen: 8.47 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 43 Resp: 1610332

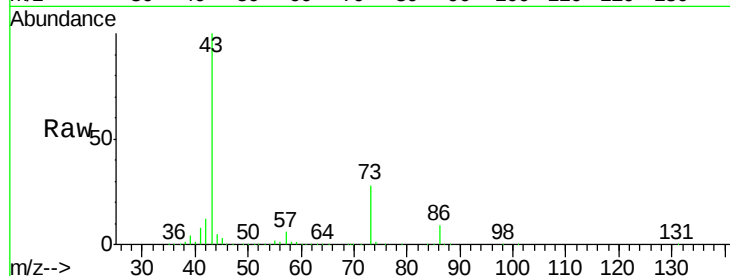
Ion Ratio Lower Upper

43 100

86 8.9 7.4 11.0

42 11.6 9.2 13.8

44 4.6 3.8 5.8

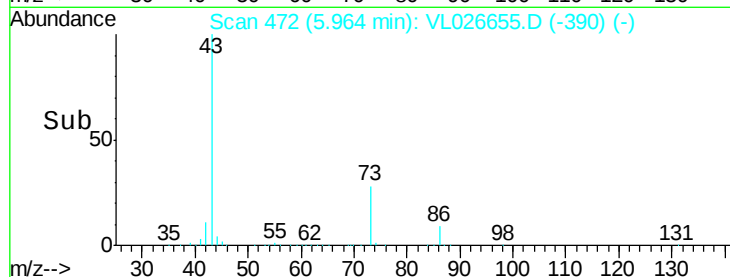


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

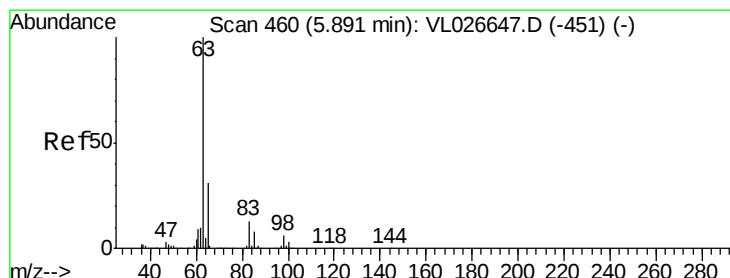
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->

5.96



#24

1,1-Dichloroethane

Concen: 9.12 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

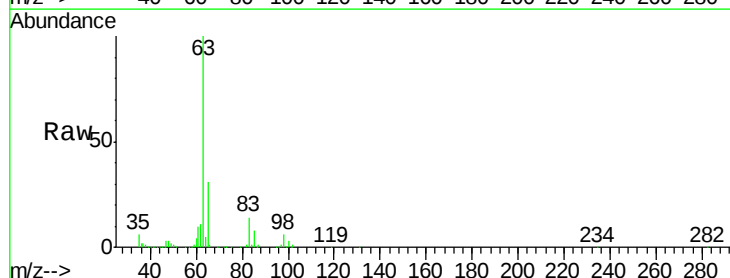
Tgt Ion: 63 Resp: 1249494

Ion Ratio Lower Upper

63 100

98 5.4 2.9 8.7

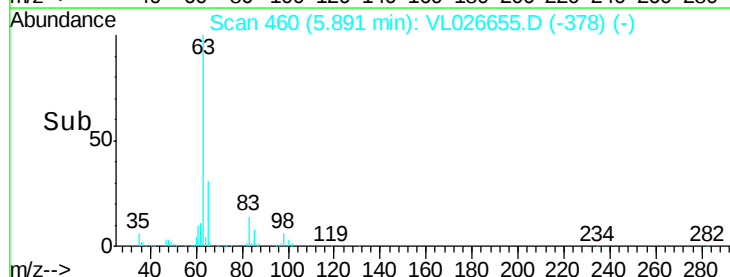
100 3.2 1.6 4.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

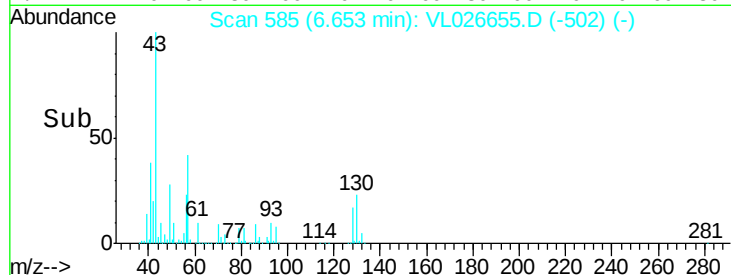
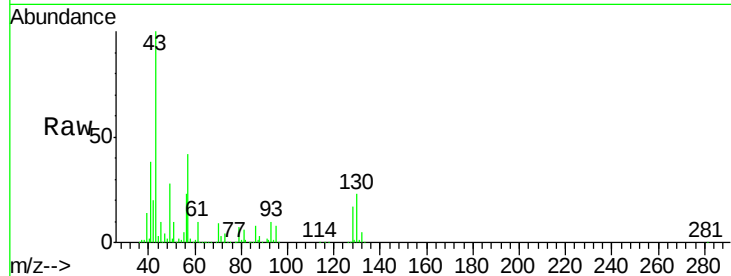
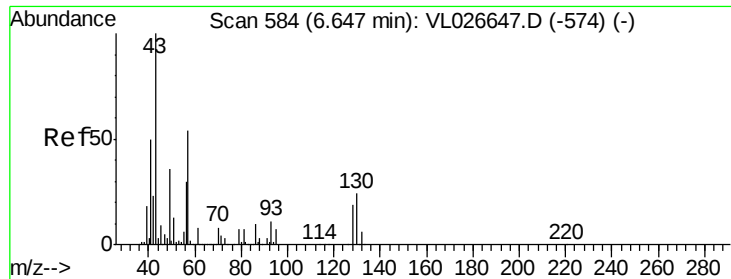
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

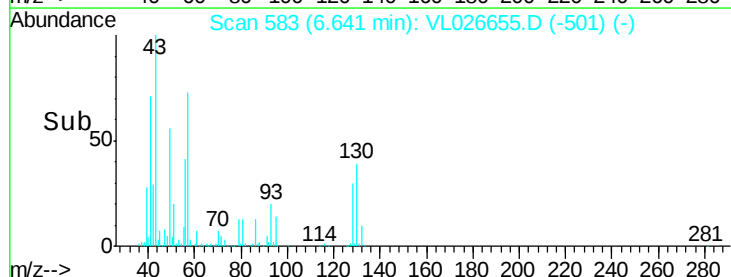
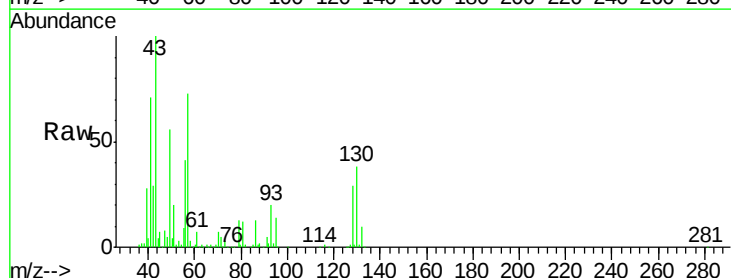
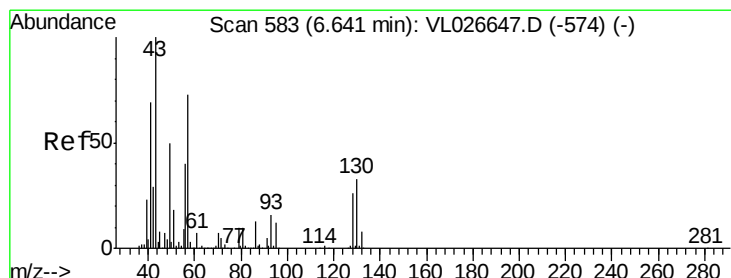
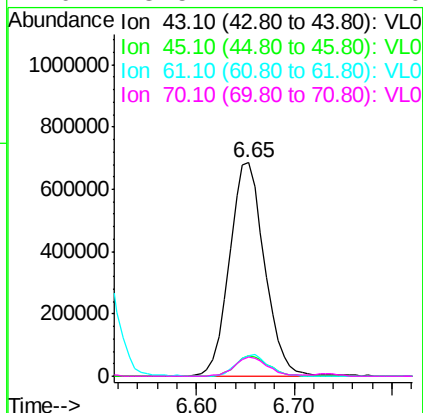
5.89



#25
Ethyl Acetate
Concen: 8.87 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

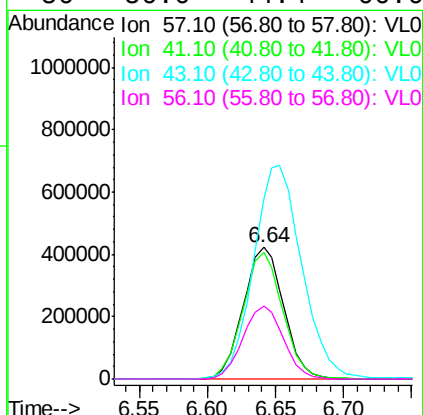
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

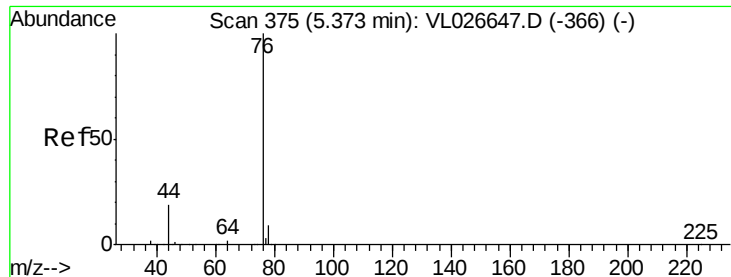
Tot Ion: 43 Resp: 1695865
Ion Ratio Lower Upper
43 100
45 9.3 7.5 11.3
61 9.2 7.3 10.9
70 8.5 7.4 11.0



#26
Hexane
Concen: 8.87 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 57 Resp: 876550
Ion Ratio Lower Upper
57 100
41 97.1 74.8 112.2
43 195.0 161.5 242.3
56 56.0 44.4 66.6





#27

Carbon Disulfide

Concen: 9.95 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

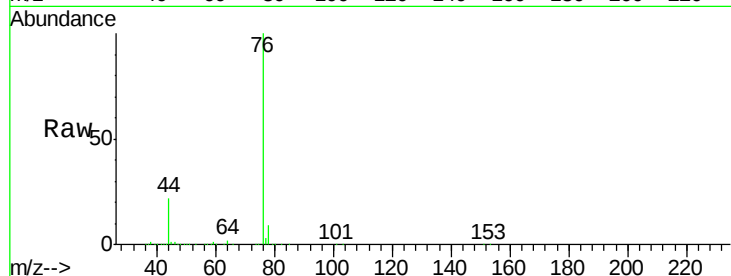
Tot Ion: 76 Resp: 1461310

Ion Ratio Lower Upper

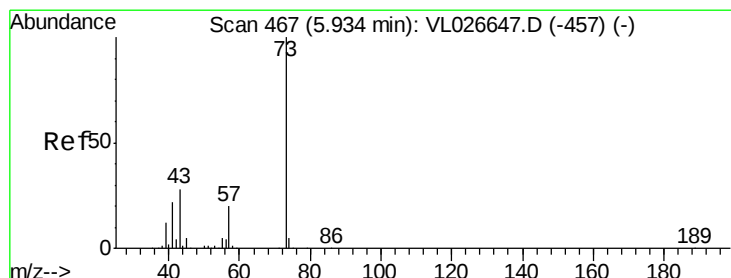
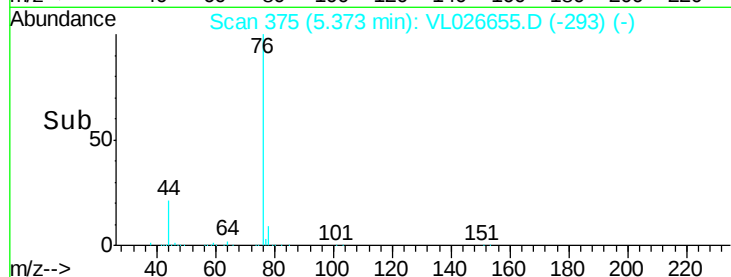
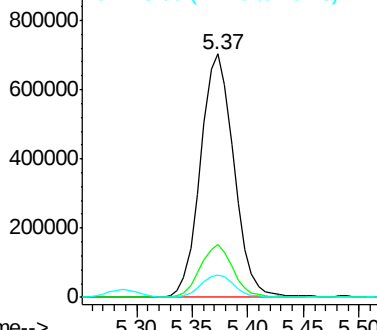
76 100

44 21.6 15.9 23.9

78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.45 ppbv

RT: 5.93 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL026655.D

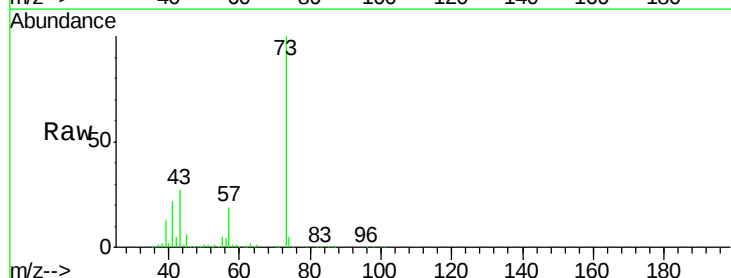
Acq: 9 Jan 2016 00:15

Tgt Ion: 73 Resp: 1856602

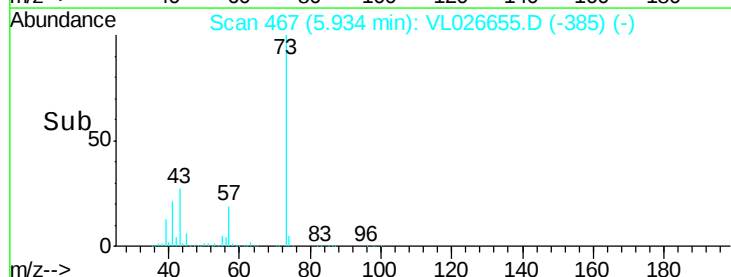
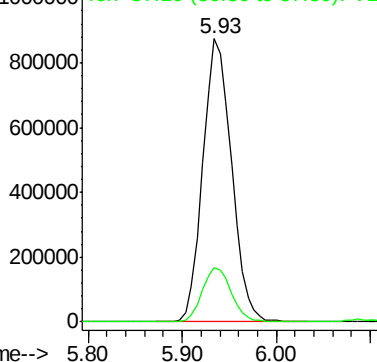
Ion Ratio Lower Upper

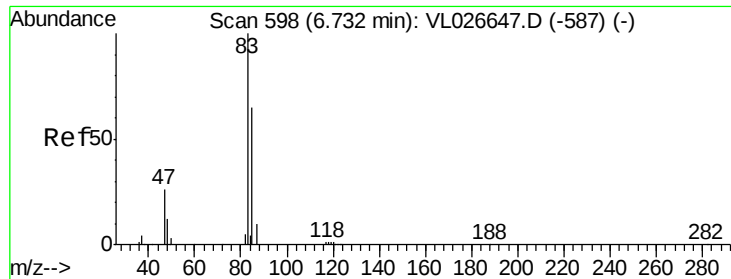
73 100

57 19.5 16.2 24.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

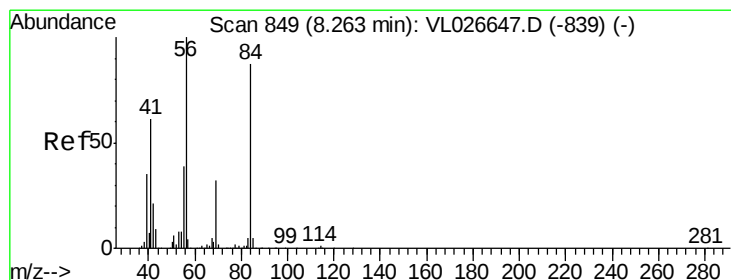
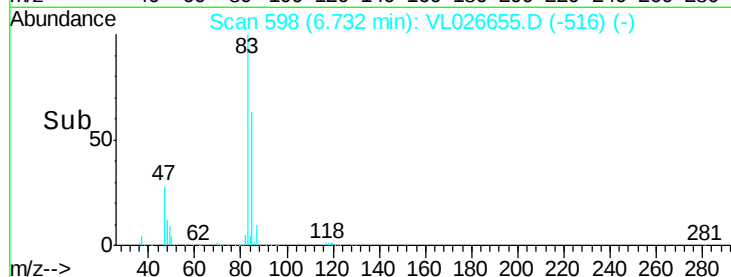
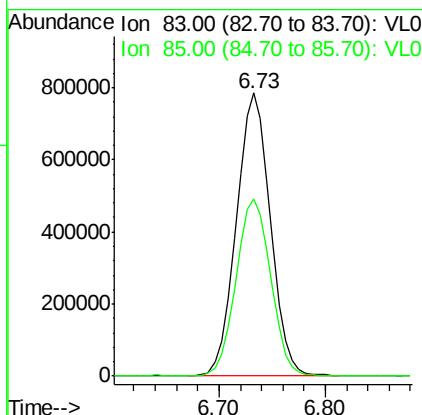
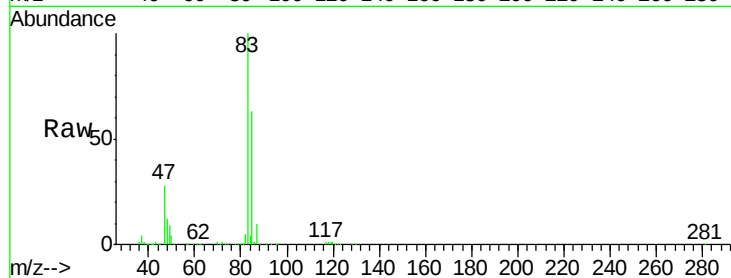




#29
Chloroform
Concen: 9.84 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

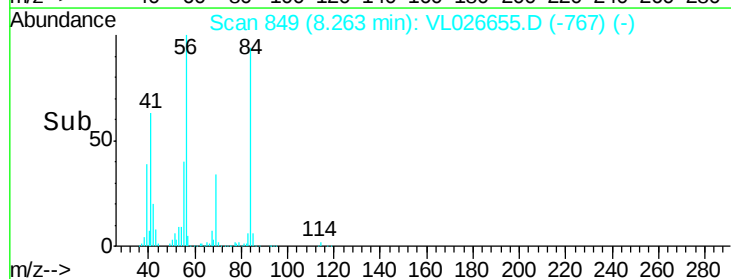
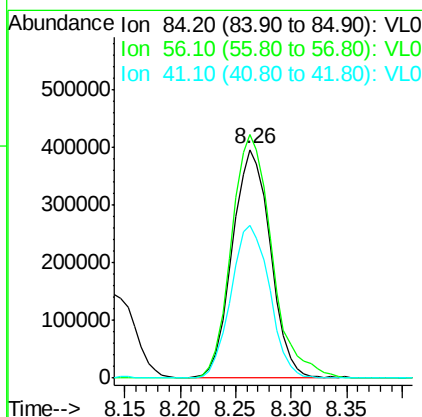
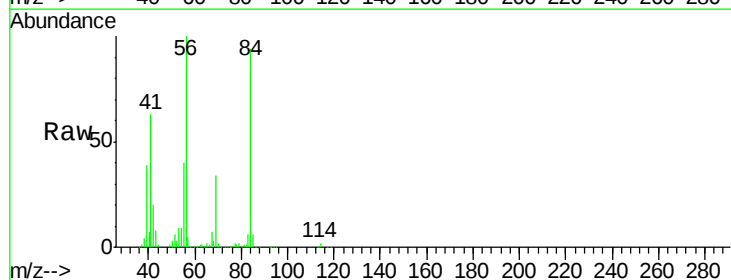
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

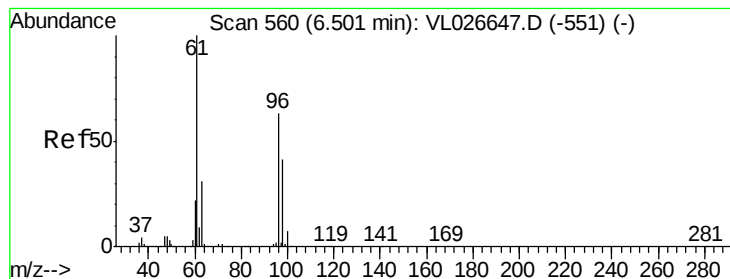
Tot Ion: 83 Resp: 1765237
Ion Ratio Lower Upper
83 100
85 62.5 51.6 77.4



#30
Cyclohexane
Concen: 9.61 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 84 Resp: 937600
Ion Ratio Lower Upper
84 100
56 114.0 95.9 143.9
41 68.2 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 9.63 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

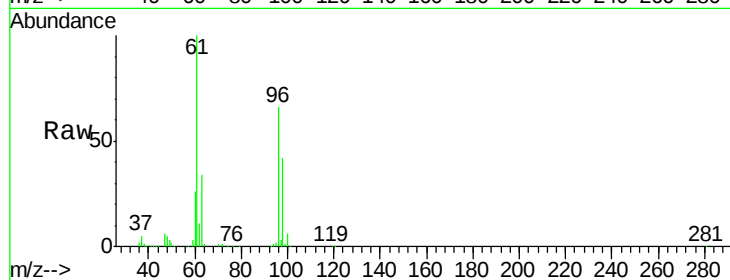
Tot Ion: 61 Resp: 958663

Ion Ratio Lower Upper

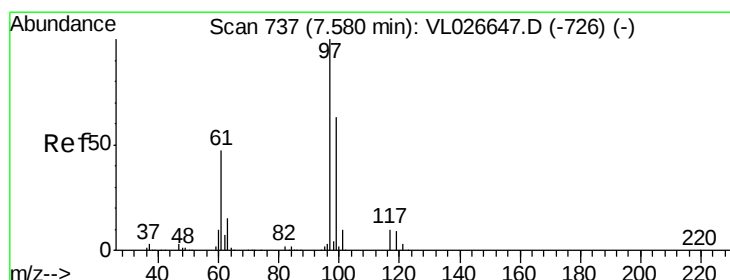
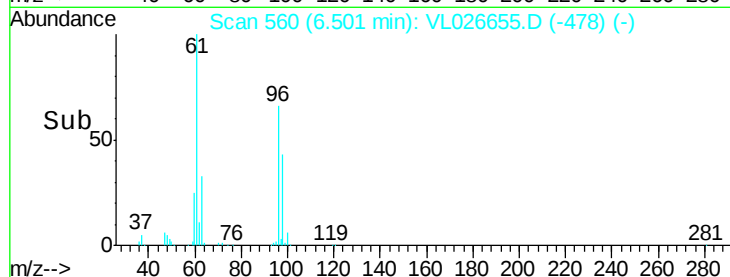
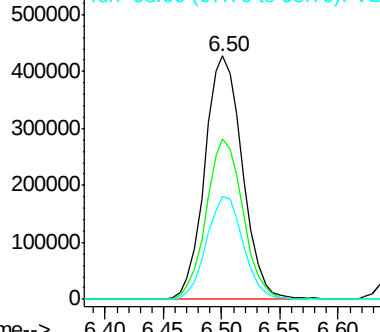
61 100

96 65.8 50.2 75.4

98 42.4 32.4 48.6



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.66 ppbv

RT: 7.58 min Scan# 737

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

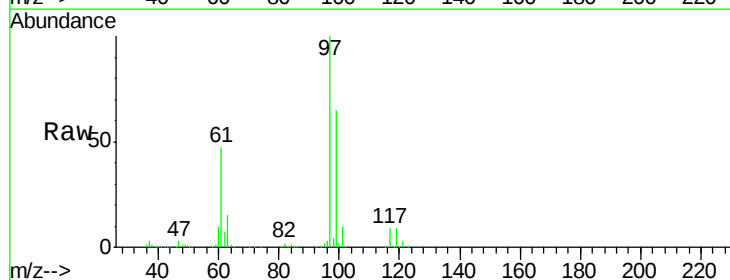
Tgt Ion: 97 Resp: 1955105

Ion Ratio Lower Upper

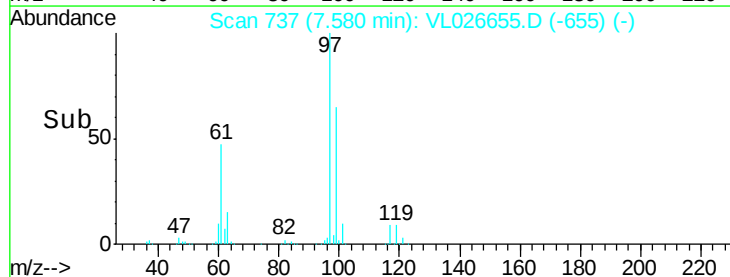
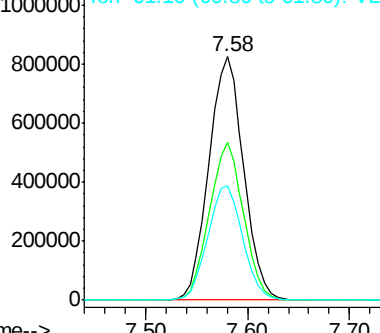
97 100

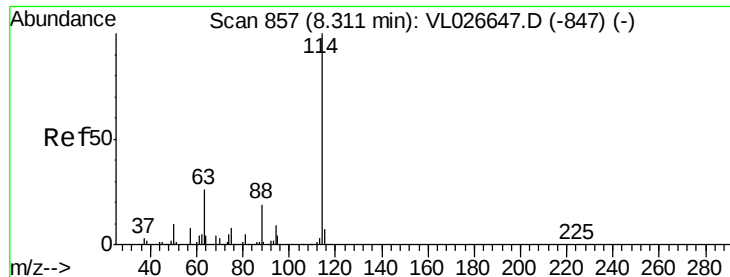
99 63.5 50.8 76.2

61 47.3 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

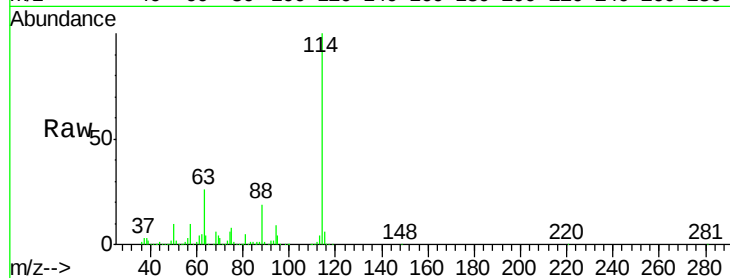




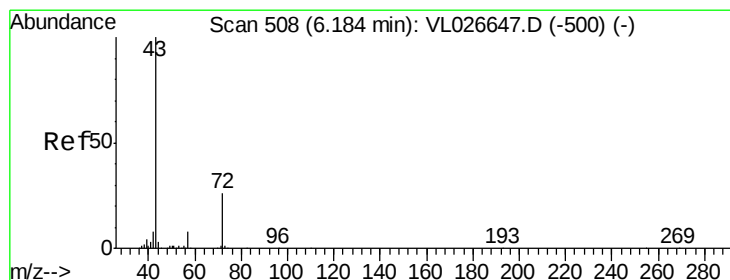
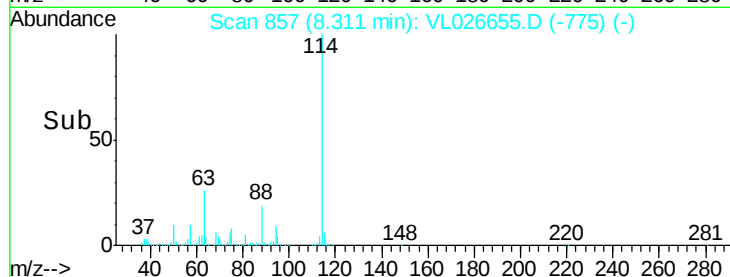
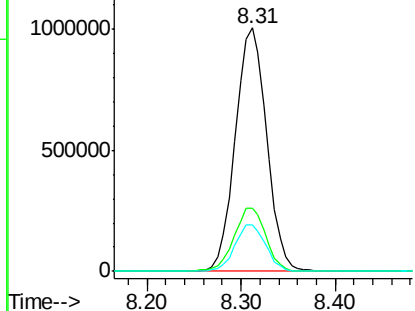
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion:114 Resp: 2340699
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.7 32.5
 88 18.9 15.2 22.8

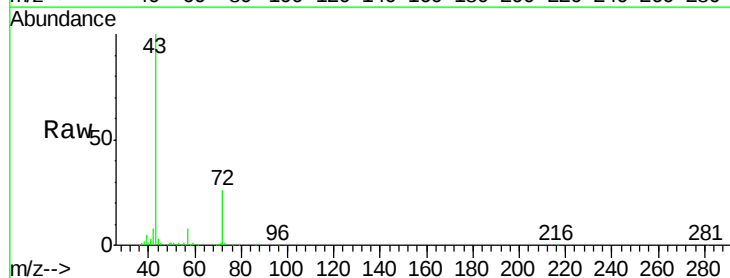


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

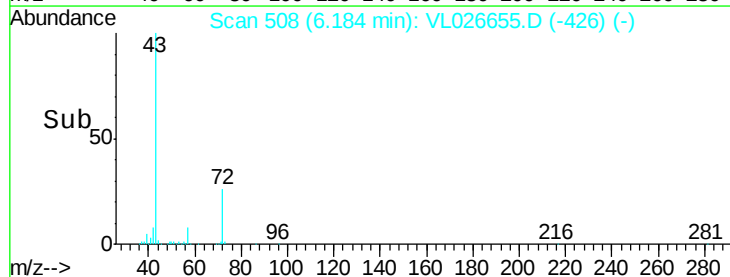
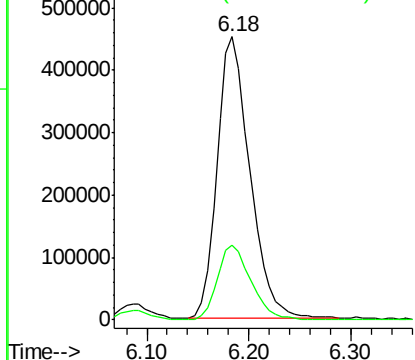


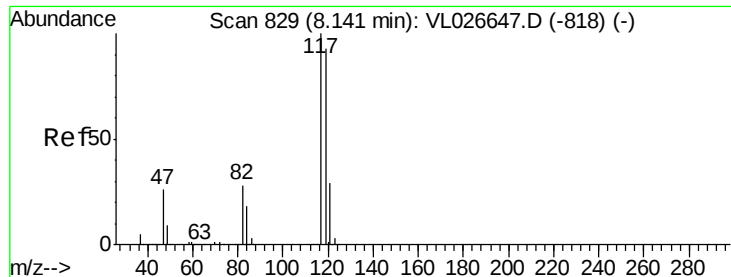
#34
 2-Butanone
 Concen: 8.07 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 43 Resp: 1007076
 Ion Ratio Lower Upper
 43 100
 72 27.5 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.53 ppbv

RT: 8.14 min Scan# 829

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

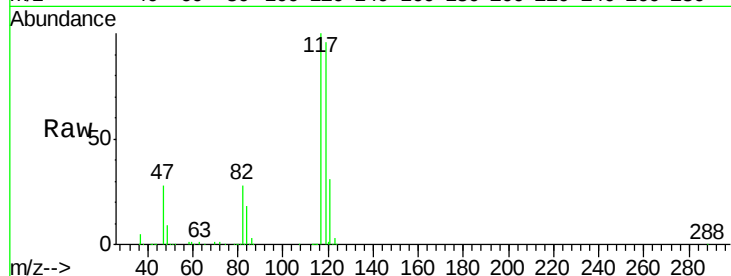
Tot Ion:117 Resp: 1963072

Ion Ratio Lower Upper

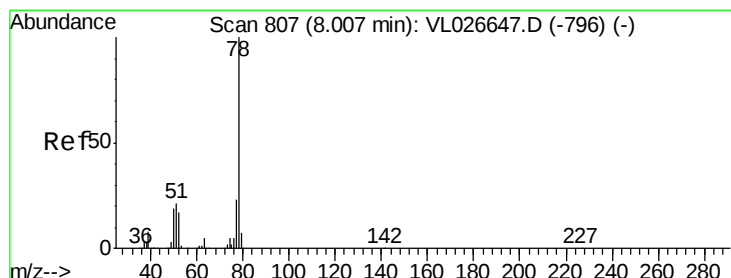
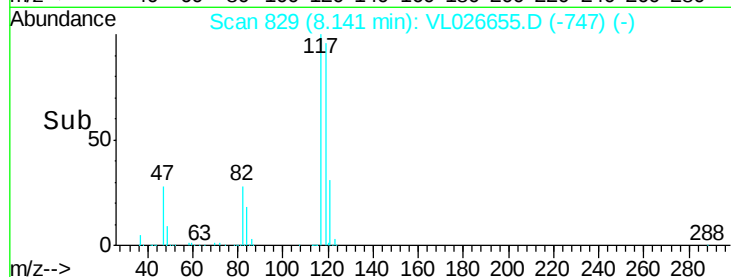
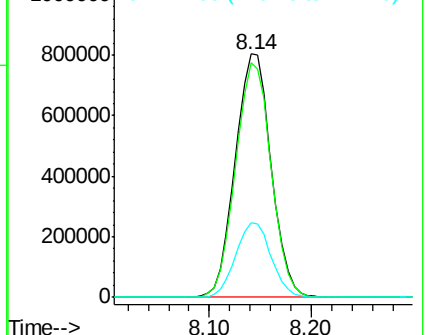
117 100

119 96.3 74.7 112.1

121 30.7 23.1 34.7



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.69 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

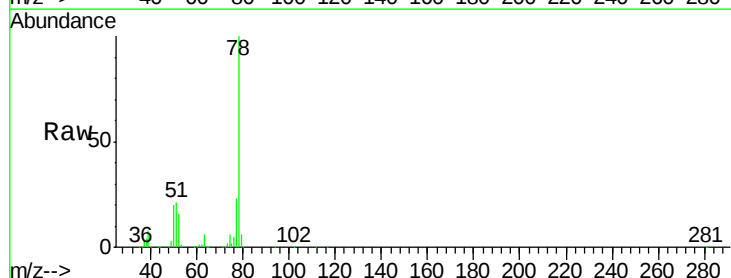
Tgt Ion: 78 Resp: 2093134

Ion Ratio Lower Upper

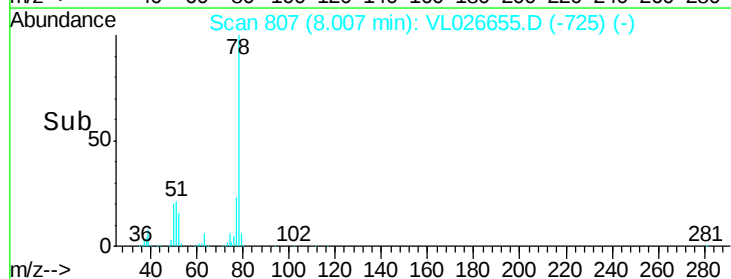
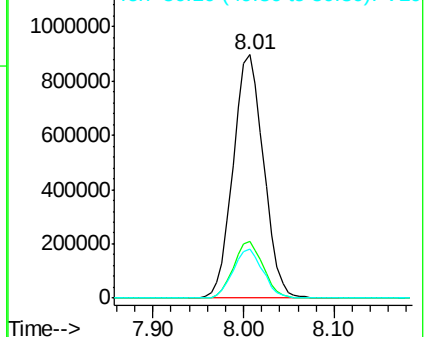
78 100

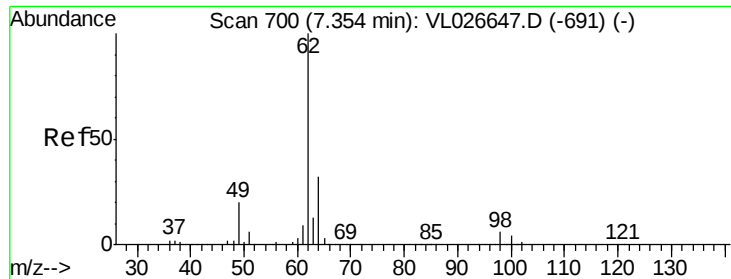
77 23.1 18.5 27.7

50 20.4 15.4 23.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.58 ppbv

RT: 7.35 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

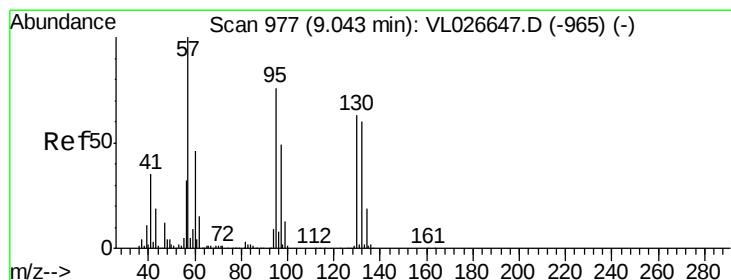
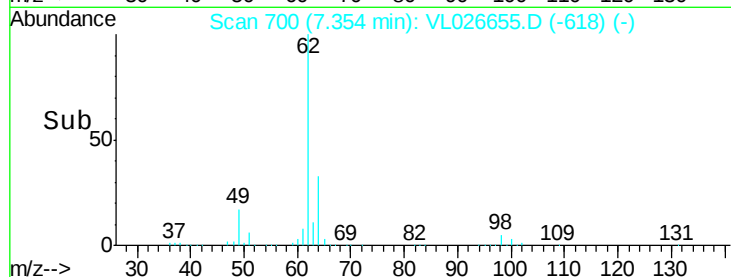
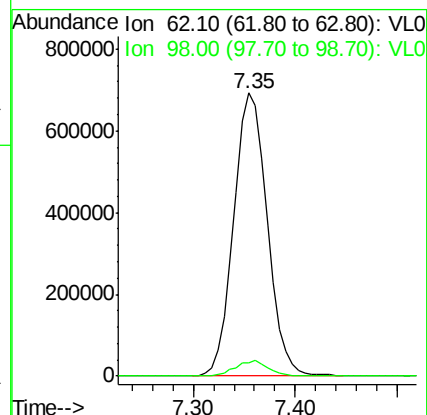
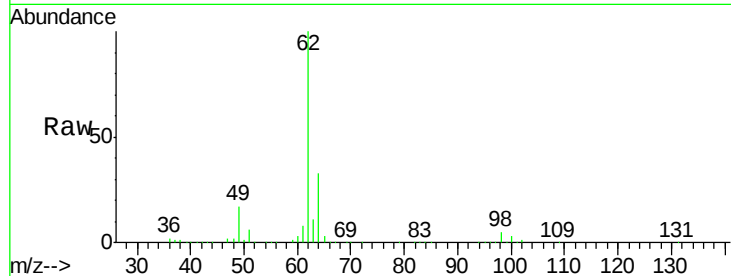
ICVVL010816

Tot Ion: 62 Resp: 1577681

Ion Ratio Lower Upper

62 100

98 5.3 4.8 7.2



#38

Trichloroethene

Concen: 8.07 ppbv

RT: 9.04 min Scan# 977

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:130 Resp: 867577

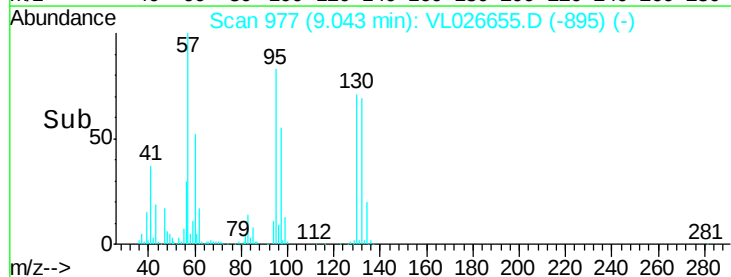
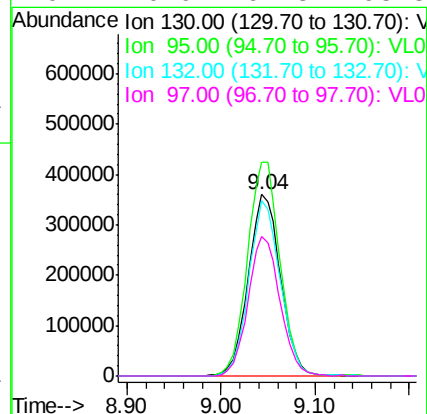
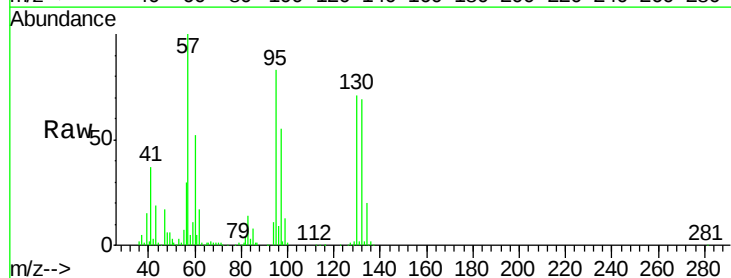
Ion Ratio Lower Upper

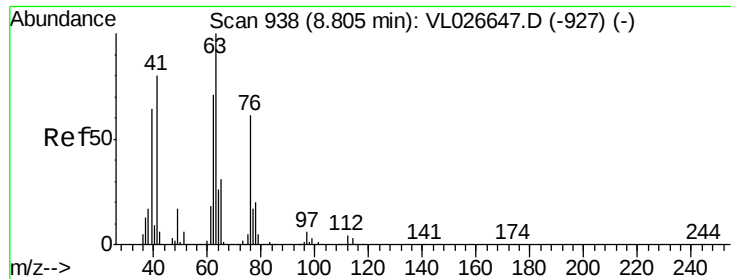
130 100

95 117.6 96.6 145.0

132 96.6 76.2 114.4

97 76.9 62.3 93.5





#39

1,2-Dichloropropane

Concen: 8.37 ppbv

RT: 8.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

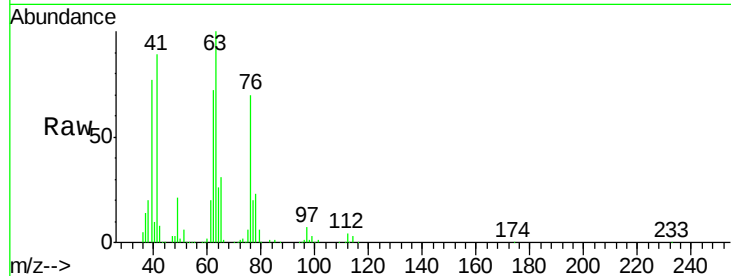
Tot Ion: 63 Resp: 696891

Ion Ratio Lower Upper

63 100

41 88.7 64.1 96.1

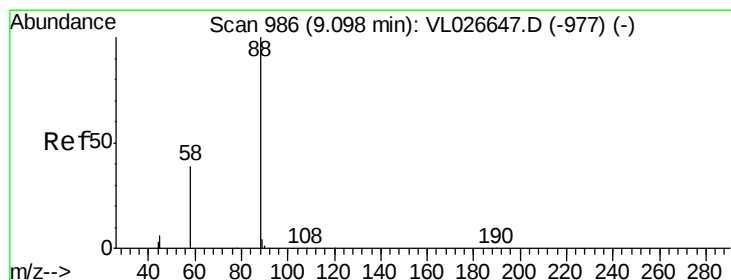
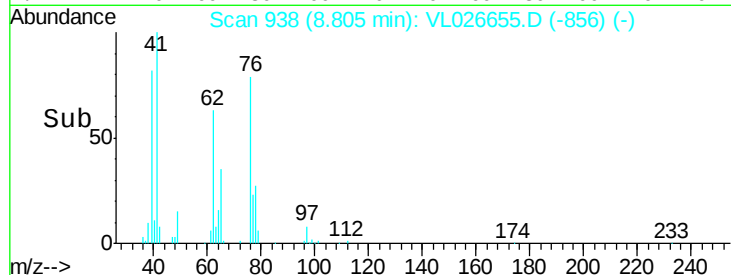
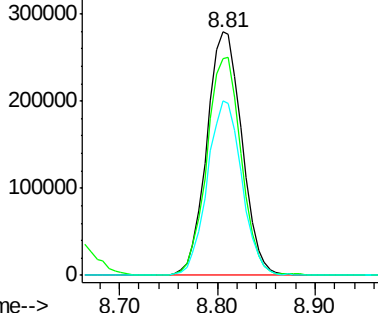
62 71.9 56.6 84.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.06 ppbv

RT: 9.10 min Scan# 986

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion: 88 Resp: 154292

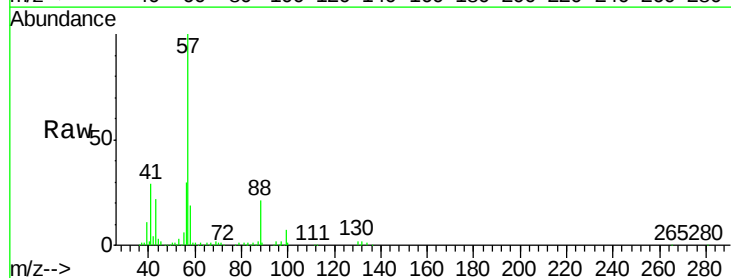
Ion Ratio Lower Upper

88 100

58 164.1 109.4 164.2

43 410.0 238.2 357.2#

57 2114.6 1148.3 1722.5#

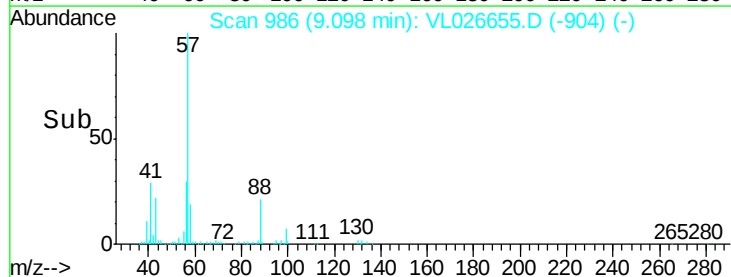
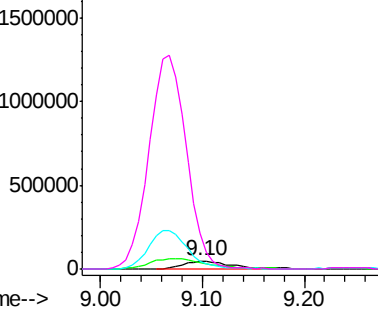


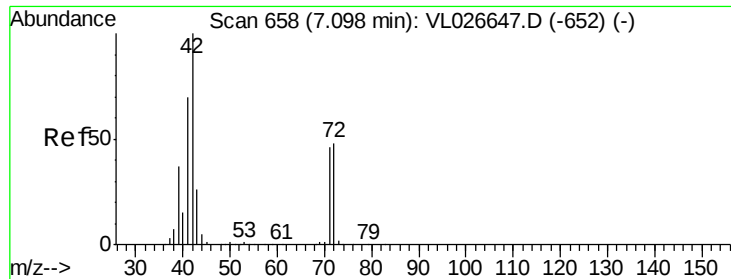
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 8.23 ppbv

RT: 7.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

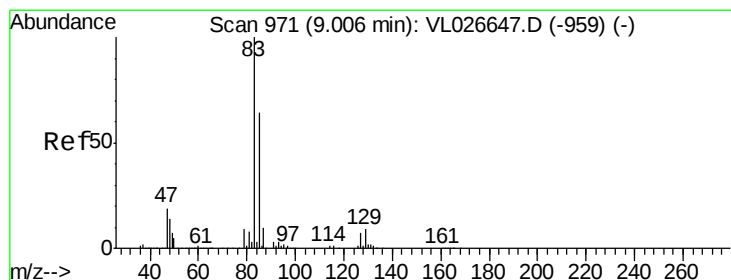
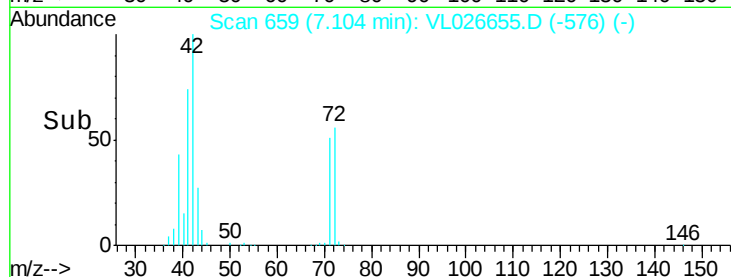
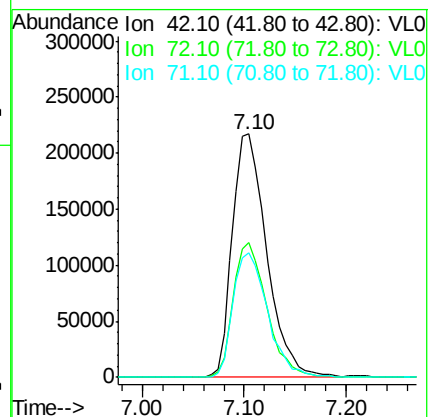
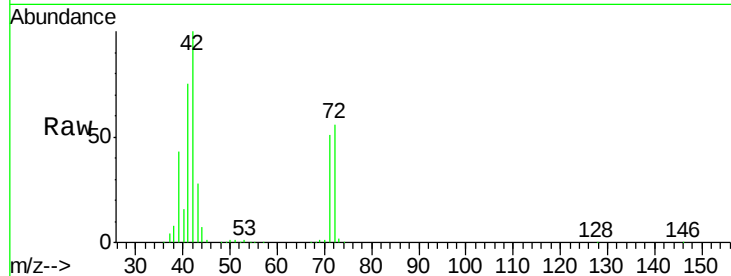
Tot Ion: 42 Resp: 508726

Ion Ratio Lower Upper

42 100

72 54.2 40.6 60.8

71 51.5 38.4 57.6



#42

Bromodichloromethane

Concen: 9.58 ppbv

RT: 9.01 min Scan# 971

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

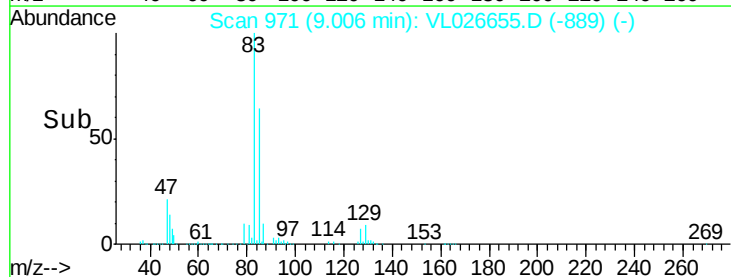
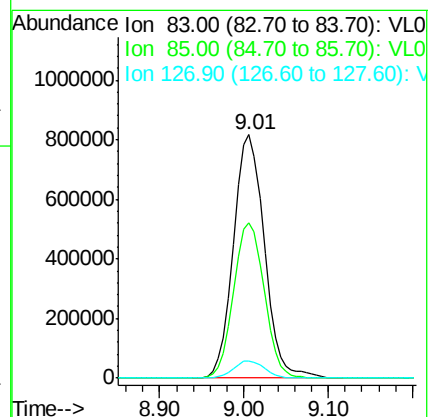
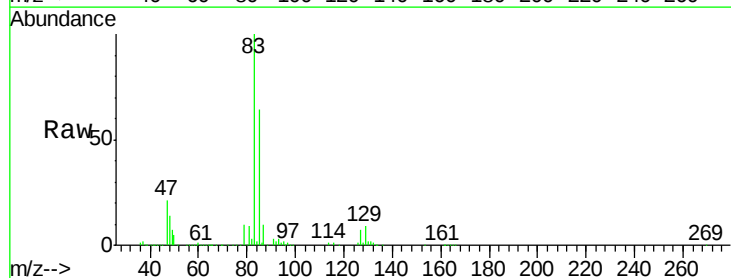
Tgt Ion: 83 Resp: 2039193

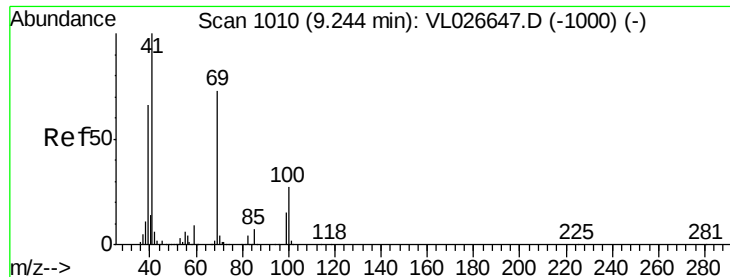
Ion Ratio Lower Upper

83 100

85 63.9 50.9 76.3

127 7.2 5.5 8.3

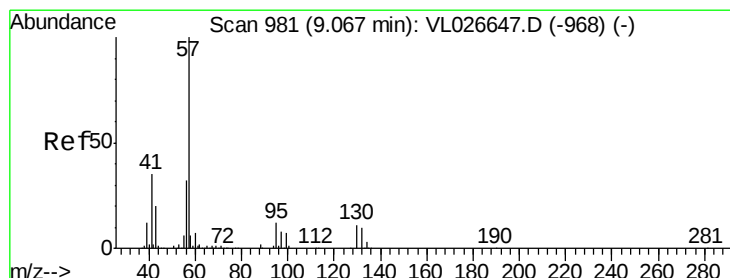
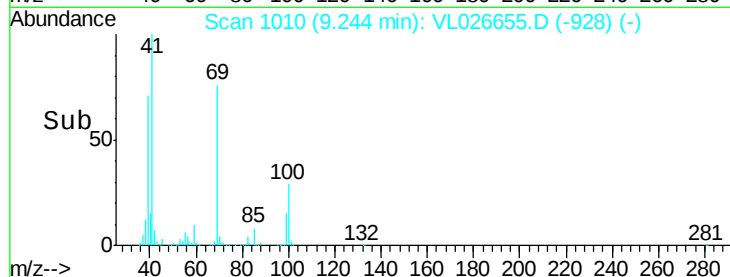
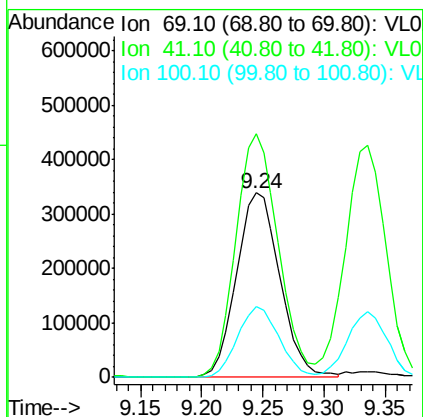
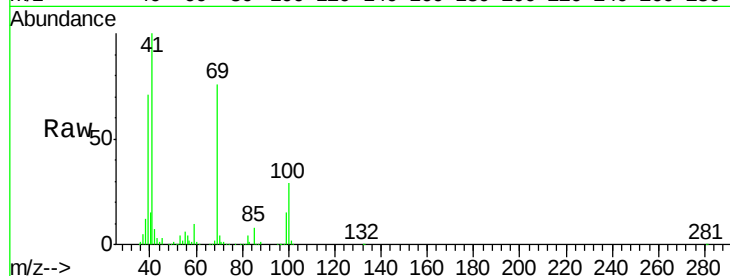




#43
Methvl Methacrvlate
Concen: 9.50 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

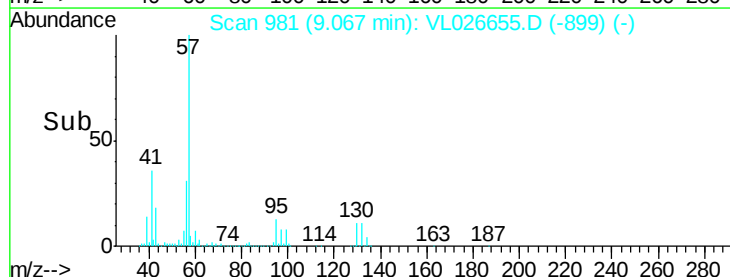
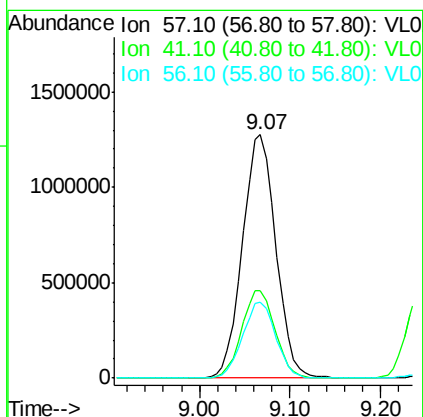
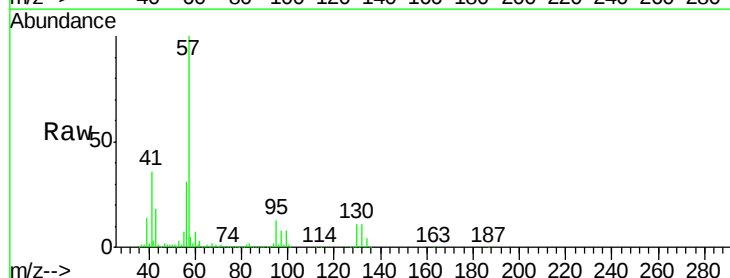
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

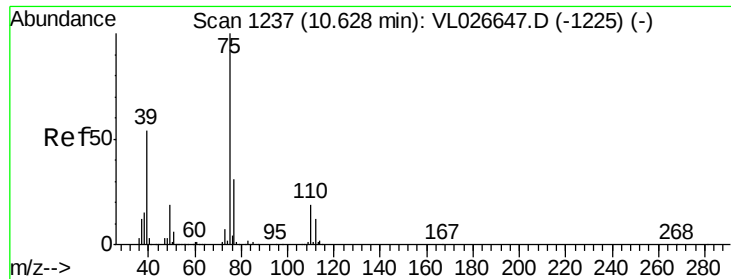
Tot Ion: 69 Resp: 835350
Ion Ratio Lower Upper
69 100
41 128.5 106.1 159.1
100 37.1 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 8.37 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 57 Resp: 3254954
Ion Ratio Lower Upper
57 100
41 35.8 26.9 40.3
56 31.0 25.4 38.0

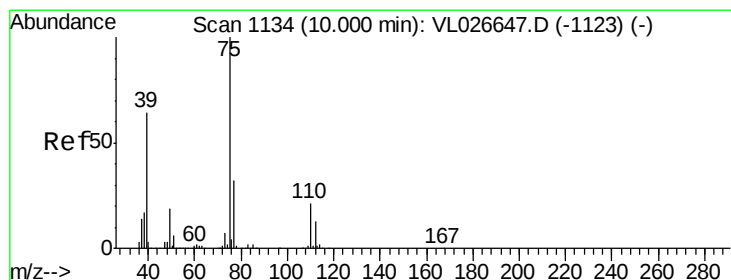
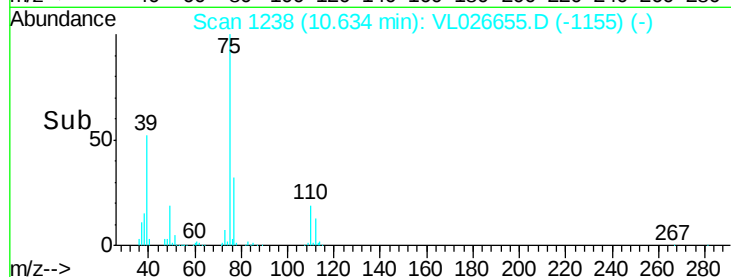
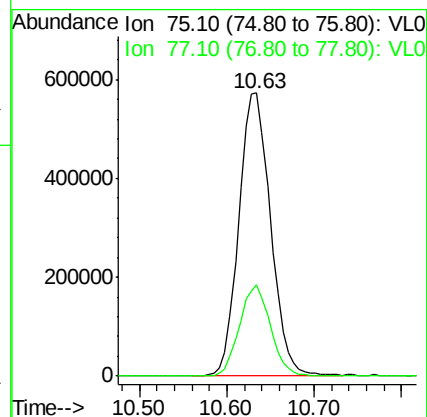
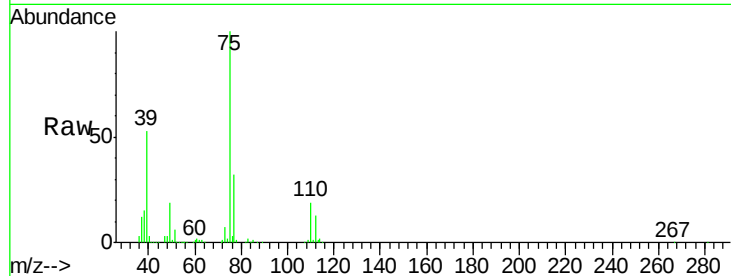




#45
t-1,3-Dichloropropene
Concen: 10.18 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

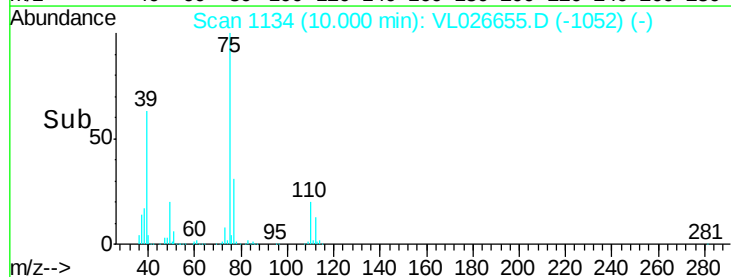
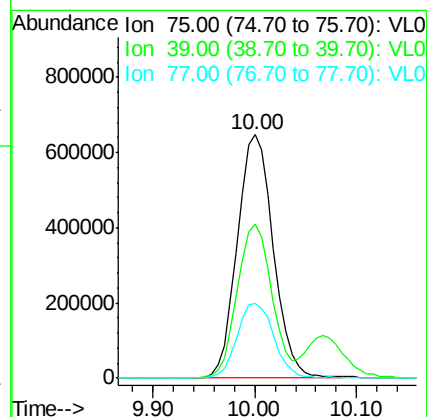
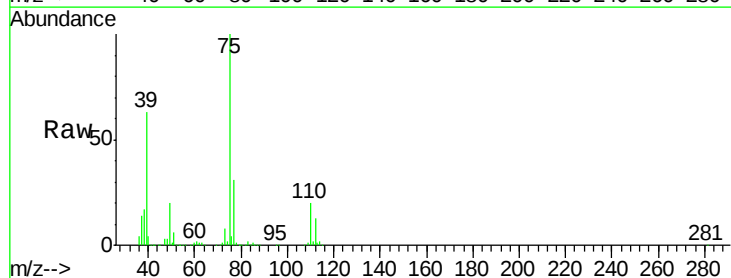
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

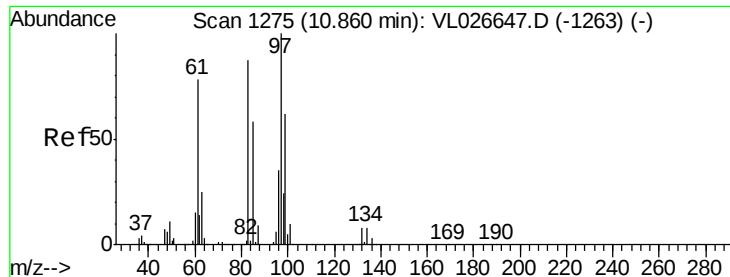
Tot Ion: 75 Resp: 1450880
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 9.81 ppbv
RT: 10.00 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 75 Resp: 1588743
Ion Ratio Lower Upper
75 100
39 63.3 51.2 76.8
77 30.7 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 8.92 ppbv

RT: 10.86 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

Tot Ion: 97 Resp: 1058710

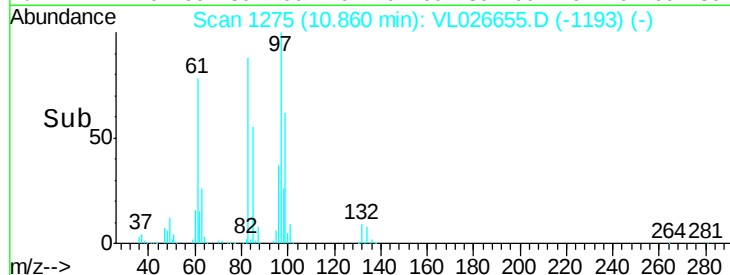
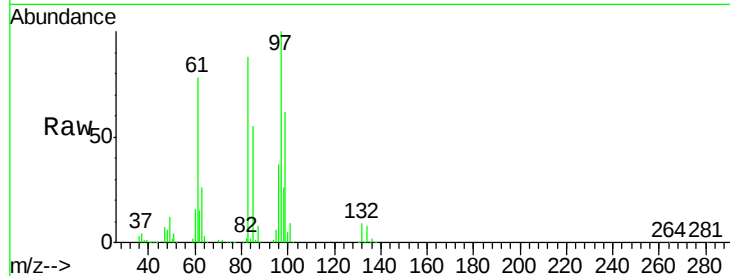
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.5	104.3
85	54.4	46.4	69.6
99	61.9	49.9	74.9

97 100

83 88.5 69.5 104.3

85 54.4 46.4 69.6

99 61.9 49.9 74.9

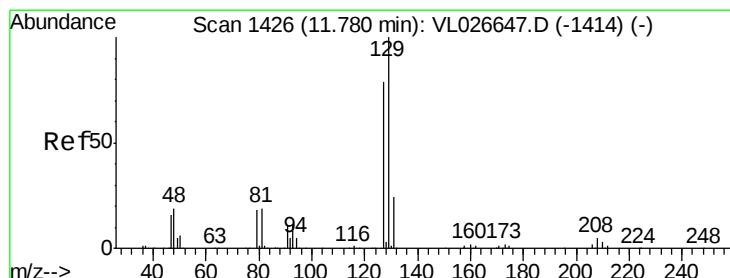
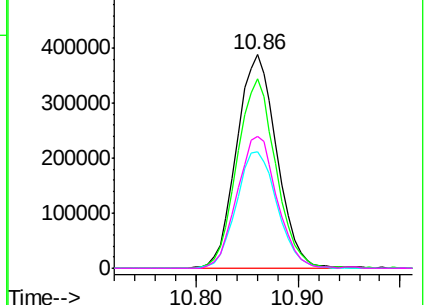


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.97 ppbv

RT: 11.78 min Scan# 1426

Delta R.T. 0.00 min

Lab File: VL026655.D

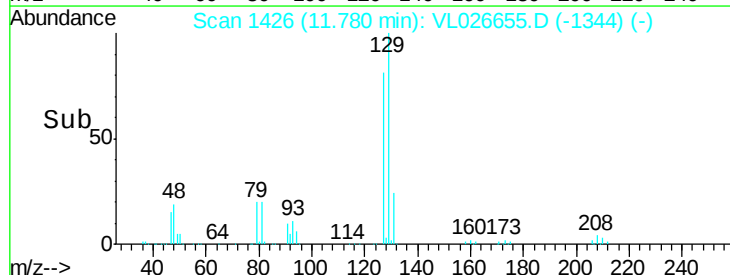
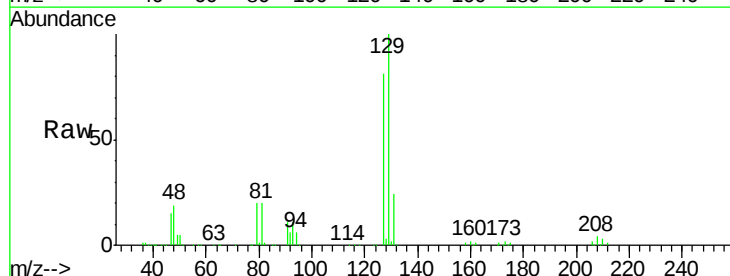
Acq: 9 Jan 2016 00:15

Tgt Ion: 129 Resp: 1775794

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.5	118.5

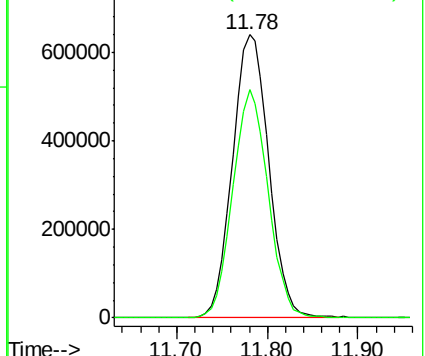
129 100

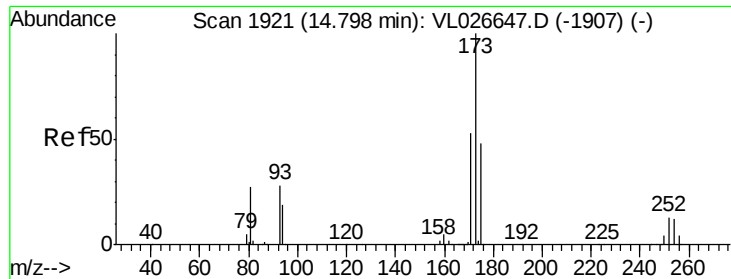
127 79.0 39.5 118.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.08 ppbv

RT: 14.79 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

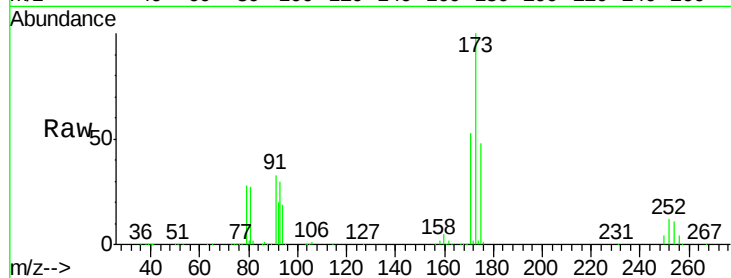
Tot Ion:173 Resp: 1464451

Ion Ratio Lower Upper

173 100

175 48.6 38.6 58.0

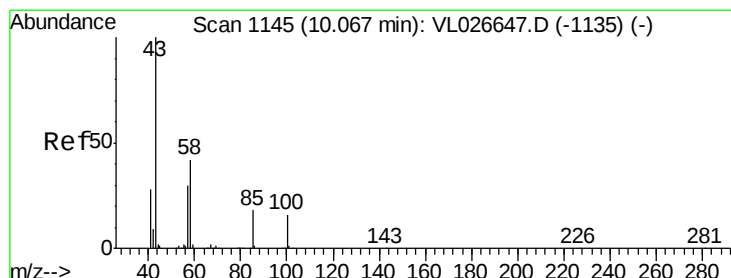
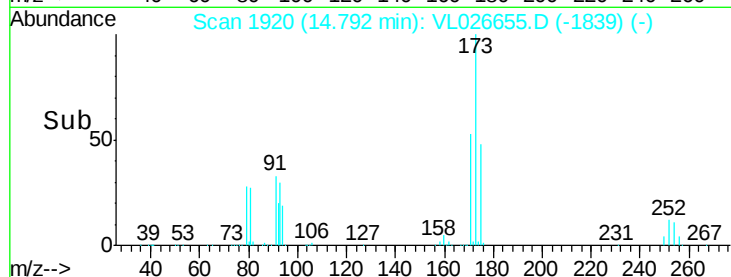
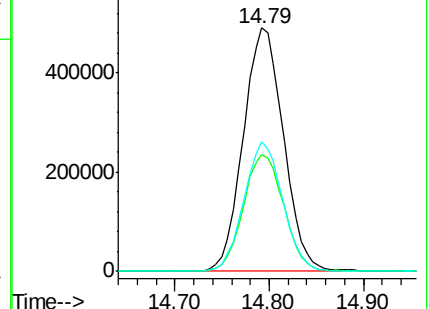
171 51.7 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.72 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026655.D

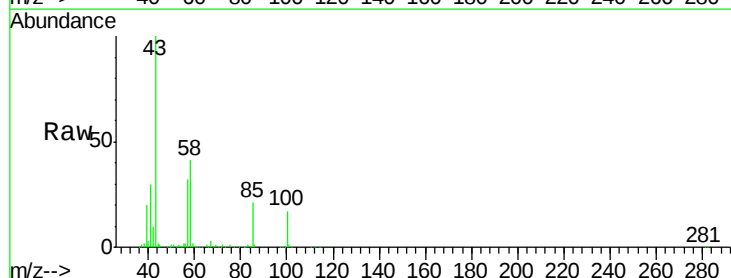
Acq: 9 Jan 2016 00:15

Tgt Ion: 43 Resp: 1528962

Ion Ratio Lower Upper

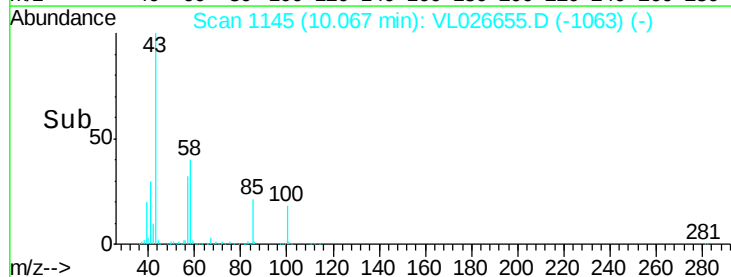
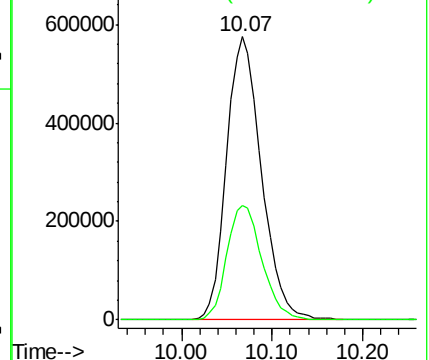
43 100

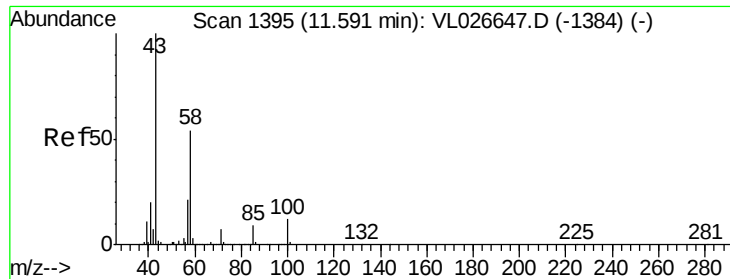
58 41.4 32.4 48.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.31 ppbv

RT: 11.59 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

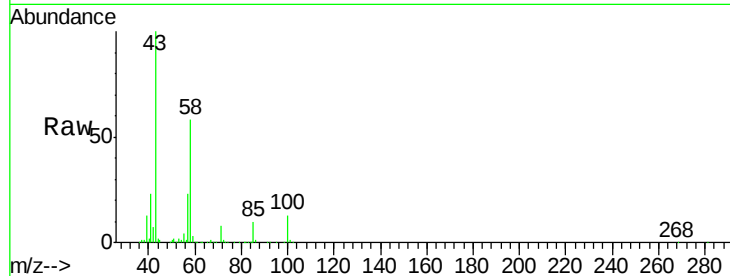
Tot Ion: 43 Resp: 1503777

Ion Ratio Lower Upper

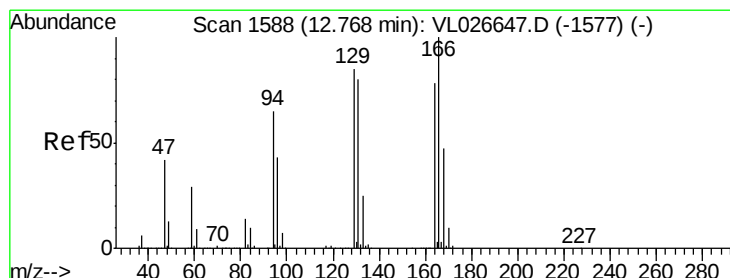
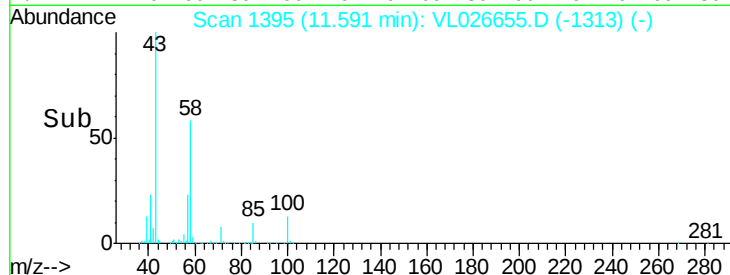
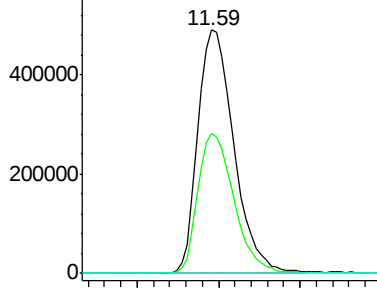
43 100

58 57.6 44.9 67.3

98 0.5 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.28 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:164 Resp: 997628

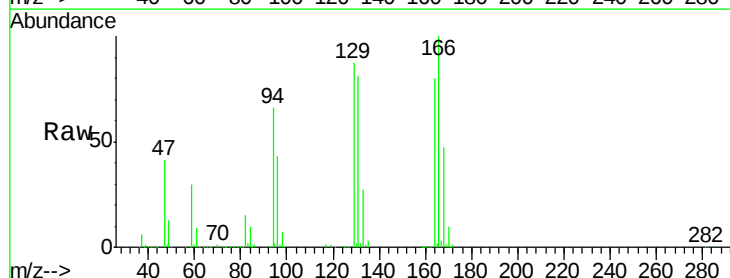
Ion Ratio Lower Upper

164 100

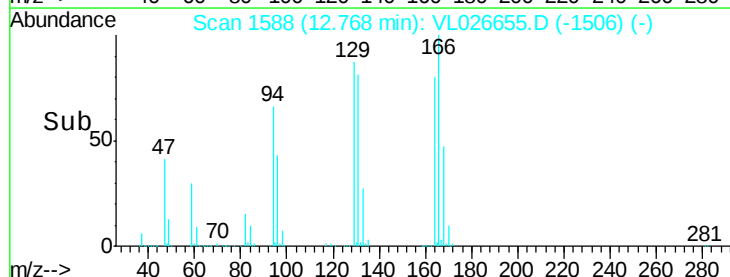
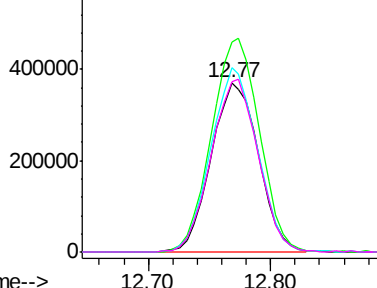
166 124.3 102.5 153.7

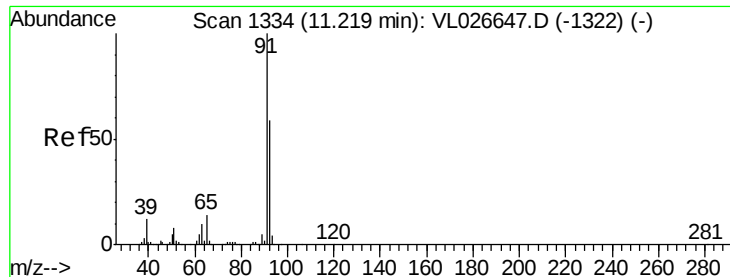
129 108.8 87.0 130.6

131 100.7 82.5 123.7



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.34 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

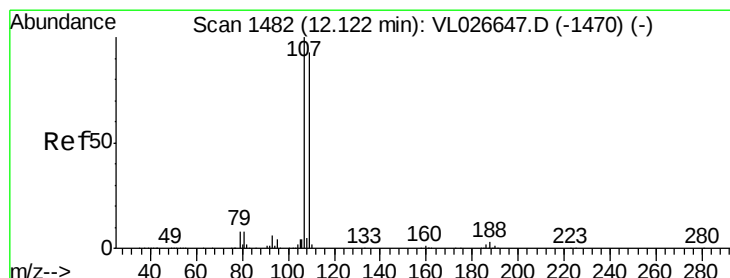
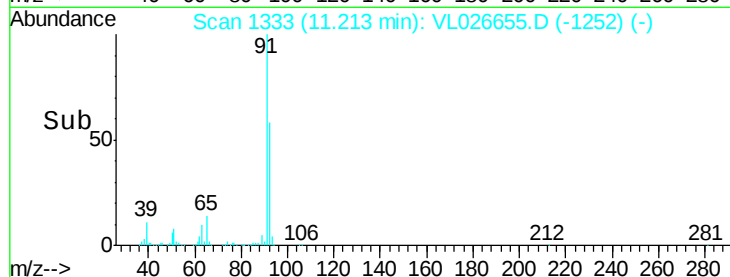
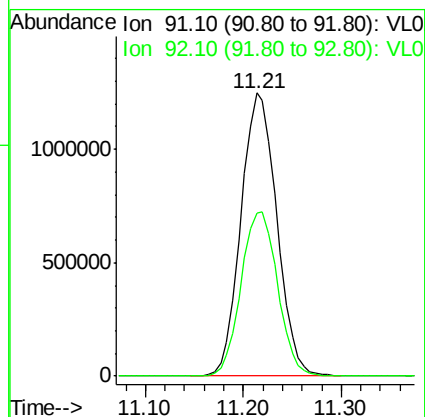
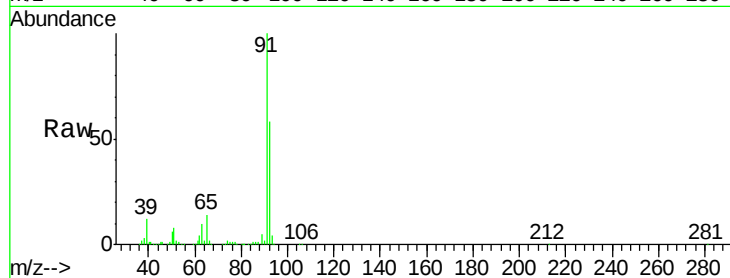
ICVVL010816

Tot Ion: 91 Resp: 3170046

Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.4



#54

1,2-Dibromoethane

Concen: 9.17 ppbv

RT: 12.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VL026655.D

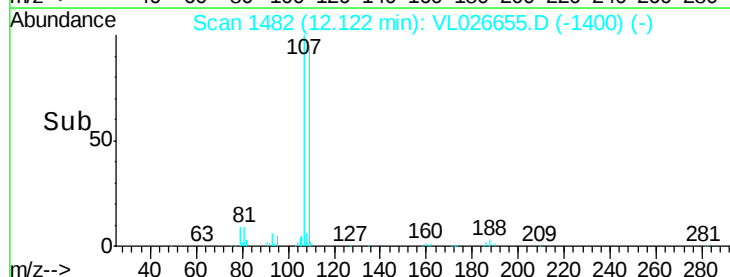
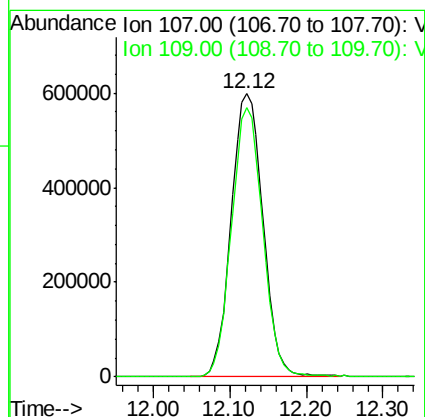
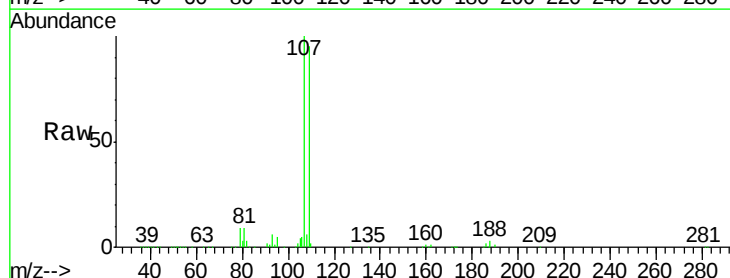
Acq: 9 Jan 2016 00:15

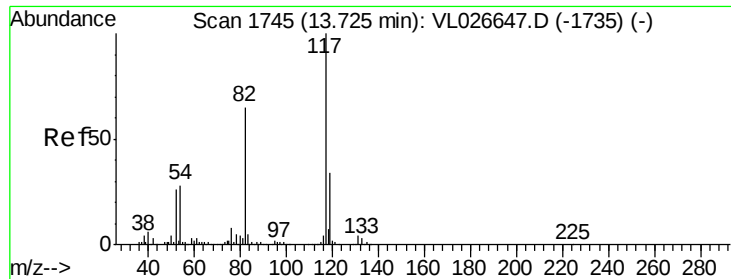
Tgt Ion: 107 Resp: 1722829

Ion Ratio Lower Upper

107 100

109 95.0 74.1 111.1

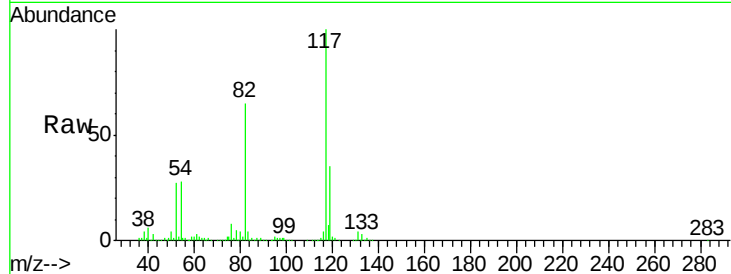




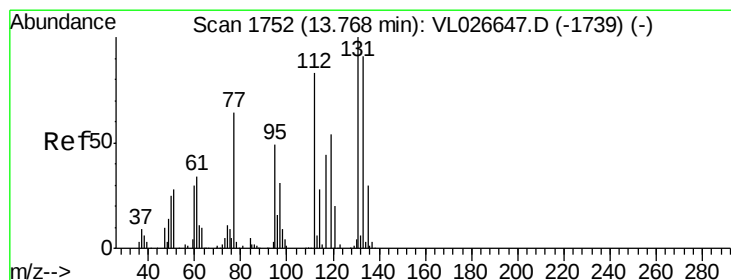
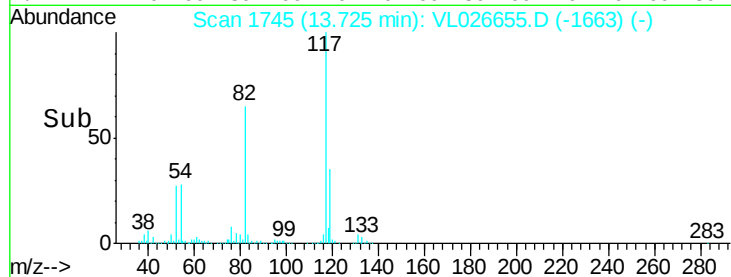
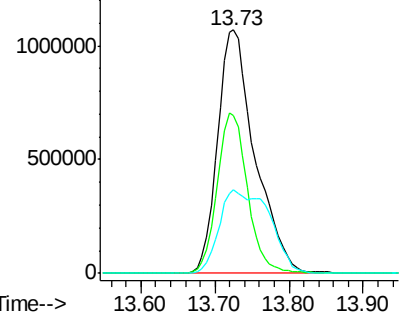
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.73 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion:117 Resp: 3764077
Ion Ratio Lower Upper
117 100
82 54.1 49.7 74.5
119 46.7 43.8 65.8

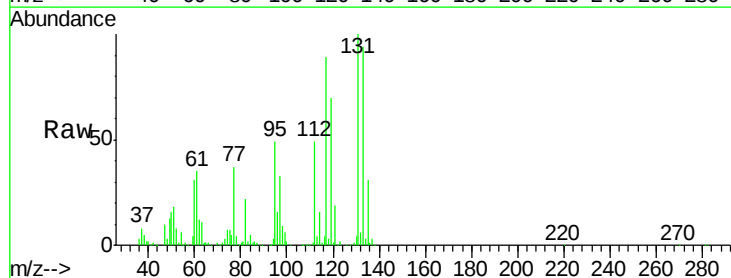


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

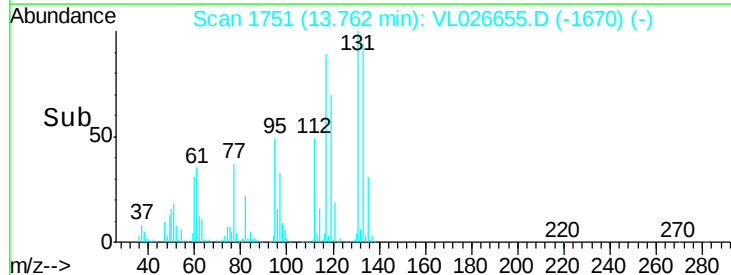
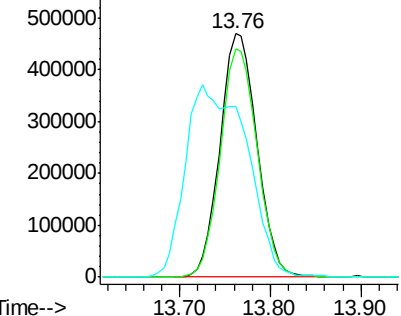


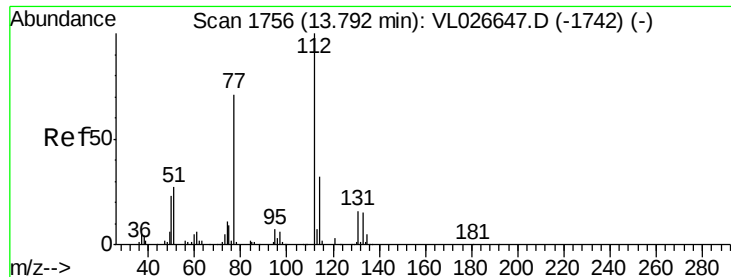
#56
1,1,1,2-Tetrachloroethane
Concen: 7.67 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion:131 Resp: 1328260
Ion Ratio Lower Upper
131 100
133 94.0 76.2 114.4
119 132.4 104.3 156.5



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 6.91 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

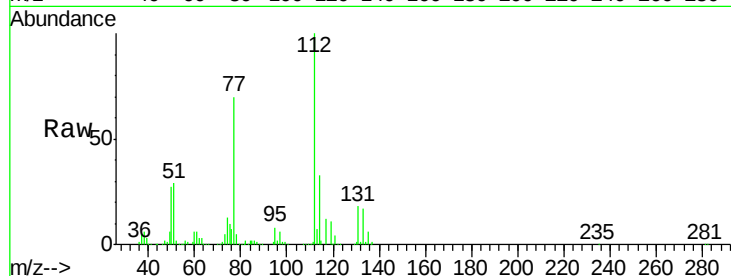
Tot Ion:112 Resp: 2679108

Ion Ratio Lower Upper

112 100

77 70.3 56.9 85.3

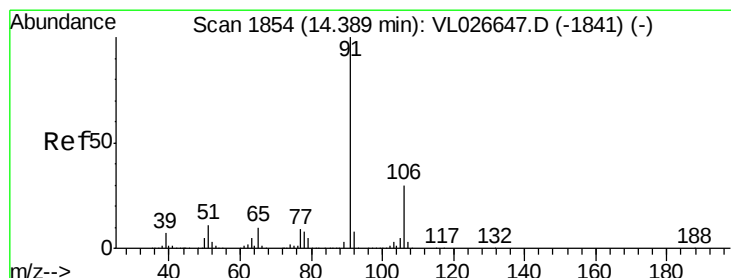
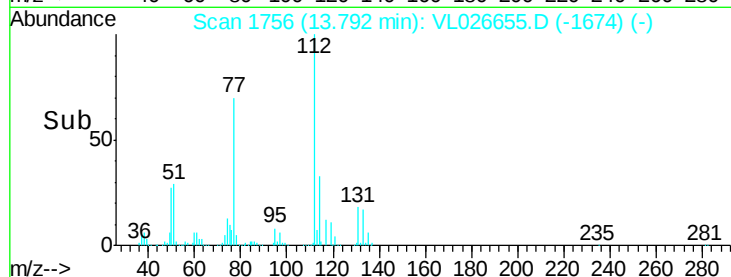
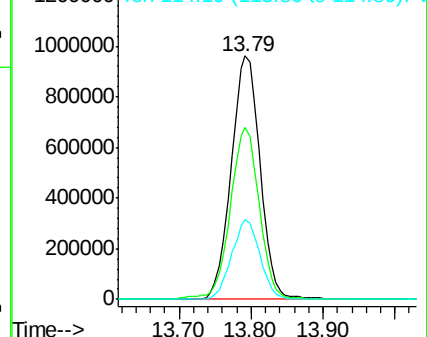
114 32.7 28.8 35.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.64 ppbv

RT: 14.39 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL026655.D

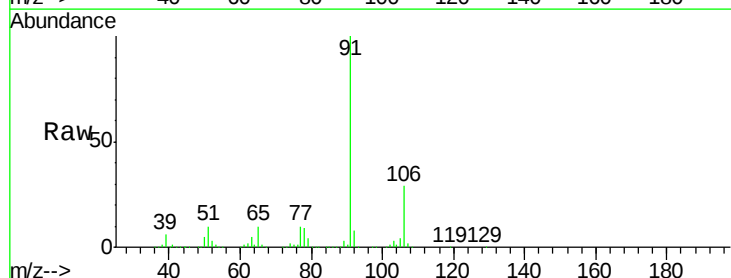
Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 5137747

Ion Ratio Lower Upper

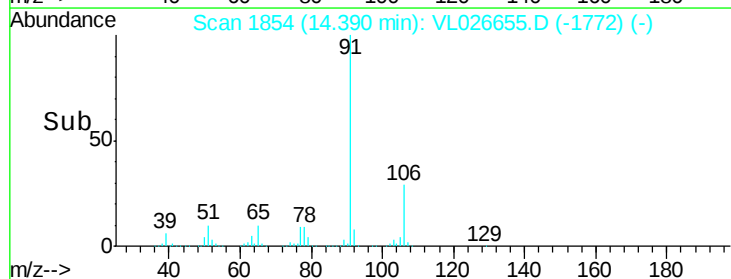
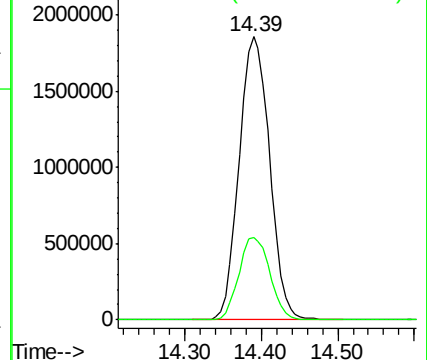
91 100

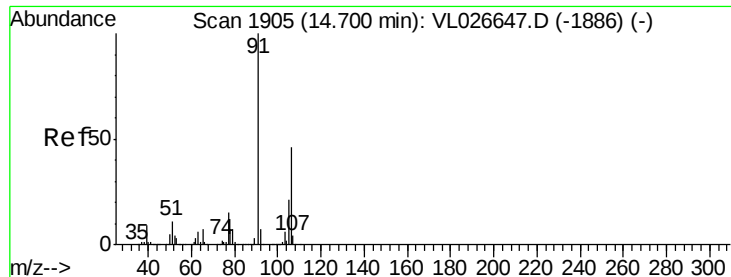
106 29.3 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

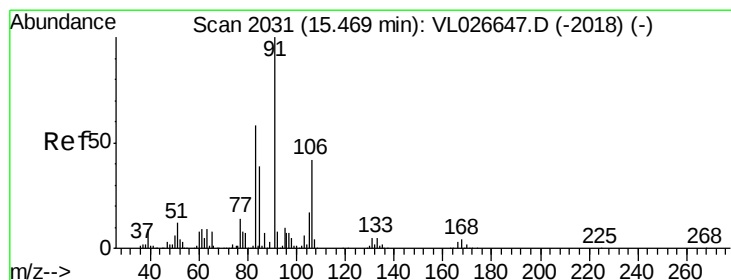
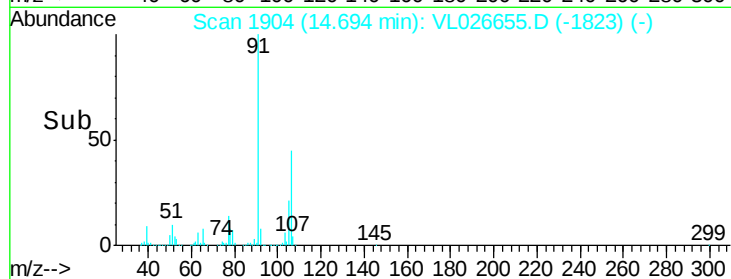
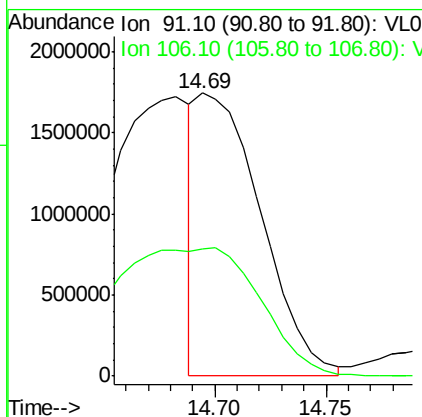
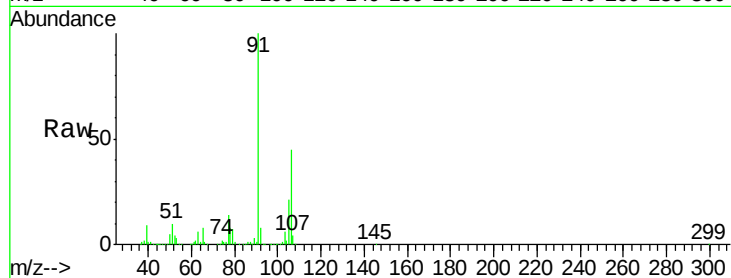




#59
m/p-Xylene
Concen: 6.25 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

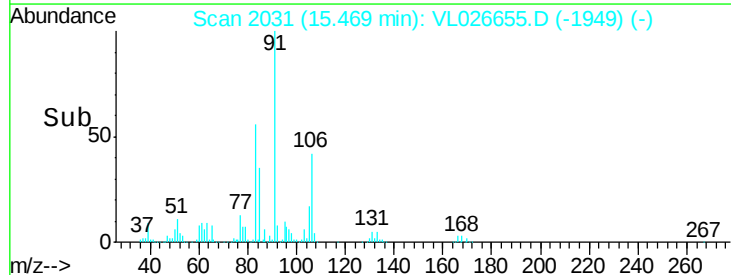
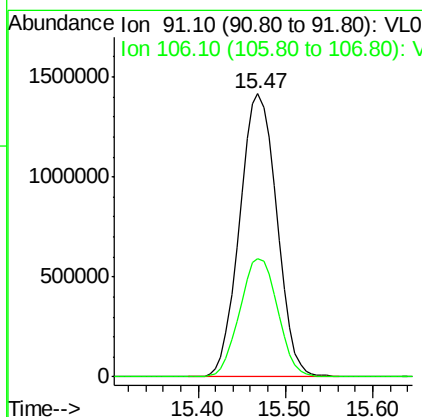
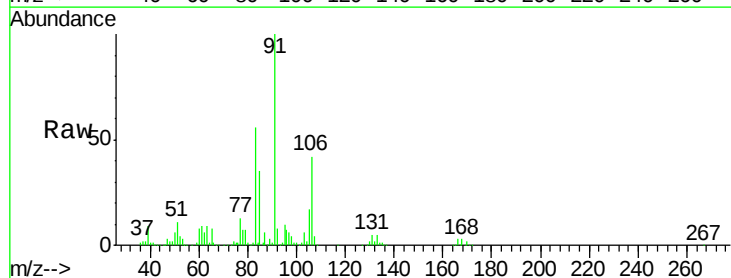
Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

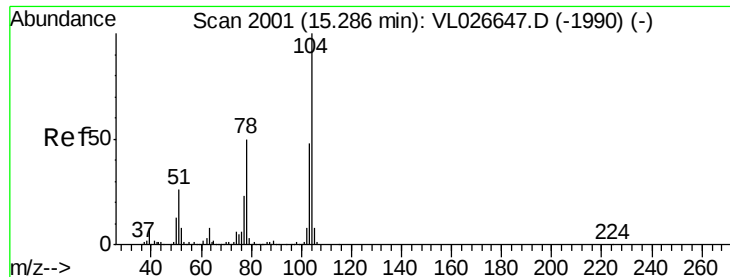
Tot Ion: 91 Resp: 3461000
Ion Ratio Lower Upper
91 100
106 106.1 36.6 55.0#



#60
o-Xylene
Concen: 6.99 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 4188227
Ion Ratio Lower Upper
91 100
106 42.9 21.5 64.5

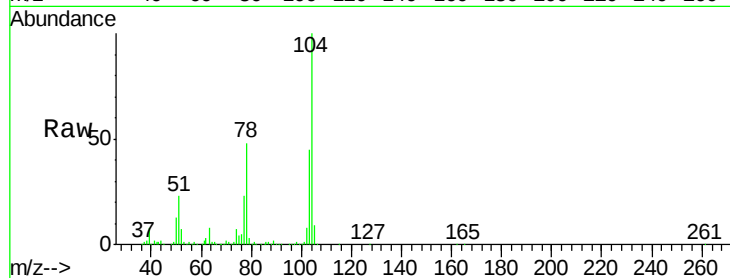




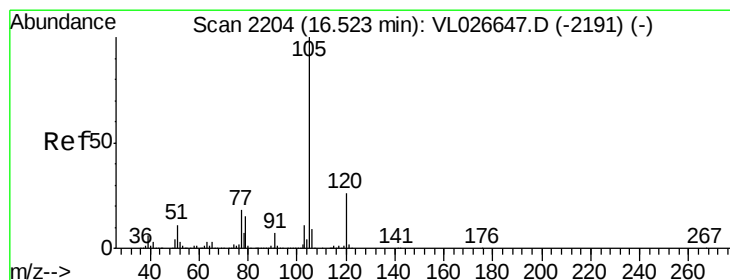
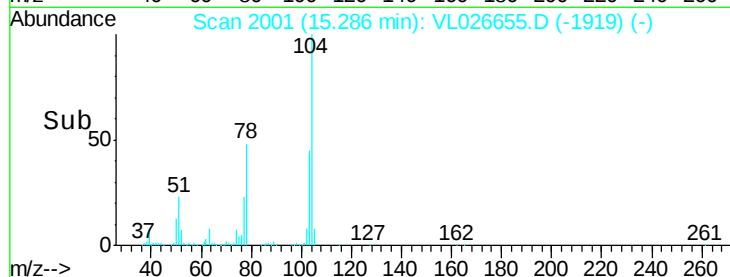
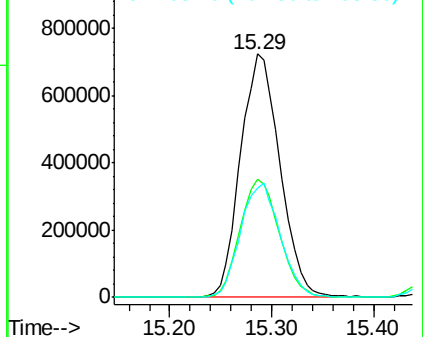
#61
Stvrene
Concen: 8.31 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Instrument :
MSVOA_L
ClientSampleId :
ICVVL010816

Tot Ion:104 Resp: 1944933
Ion Ratio Lower Upper
104 100
78 48.4 39.6 59.4
103 47.3 37.8 56.6

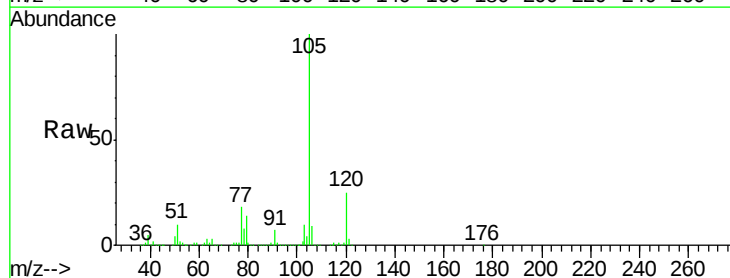


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

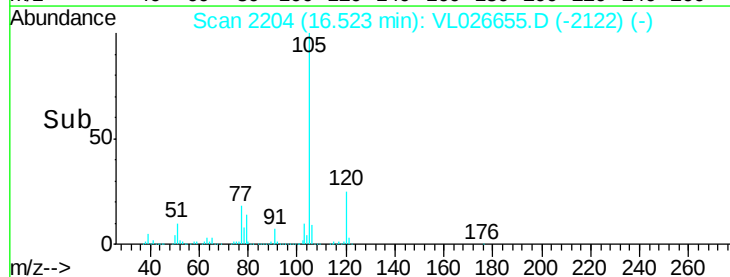
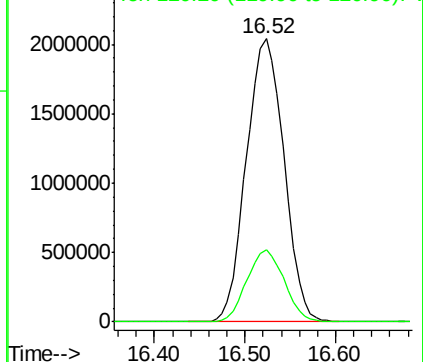


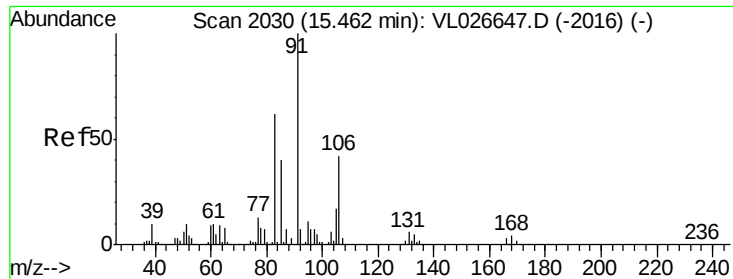
#62
Isopropylbenzene
Concen: 7.42 ppbv
RT: 16.52 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VL026655.D
Acq: 9 Jan 2016 00:15

Tgt Ion:105 Resp: 5880512
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

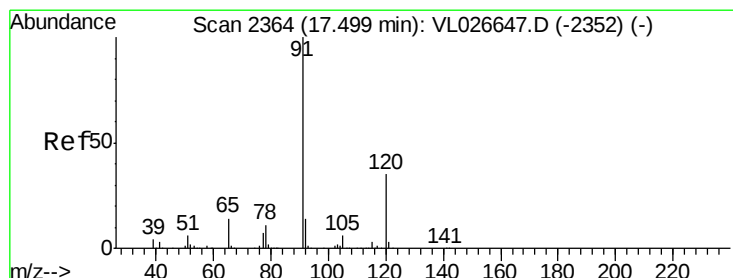
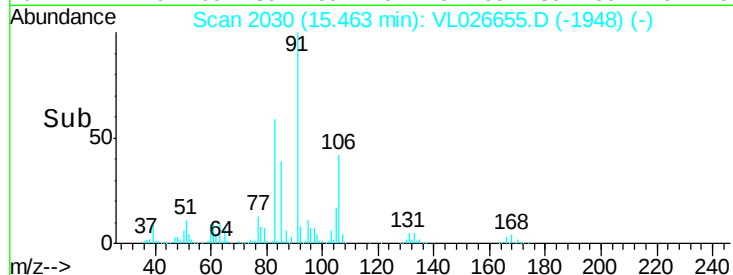
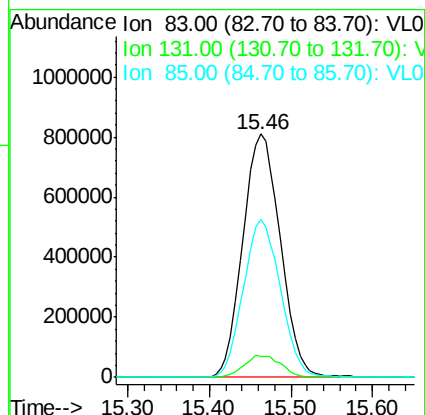
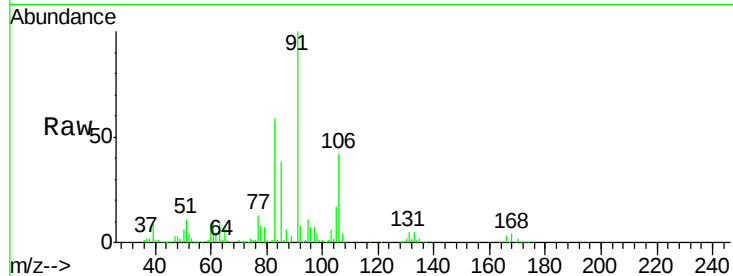




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.81 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

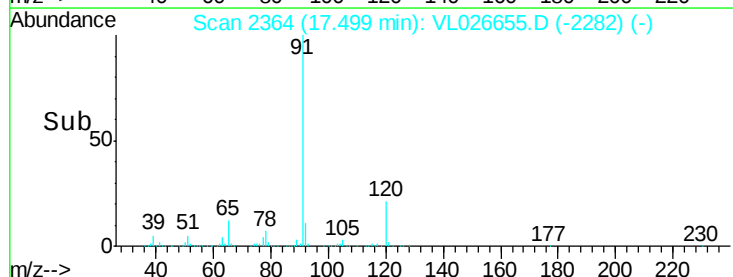
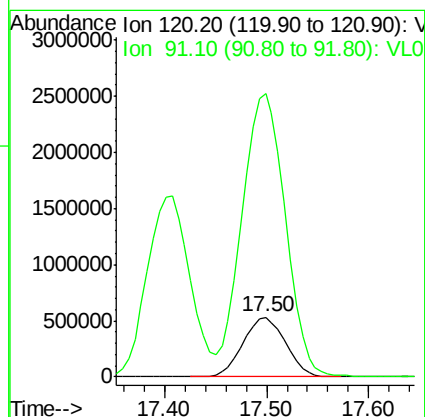
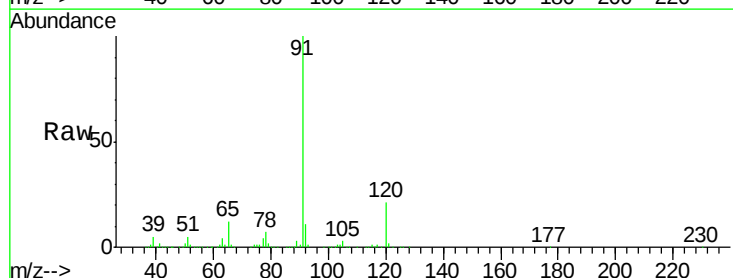
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

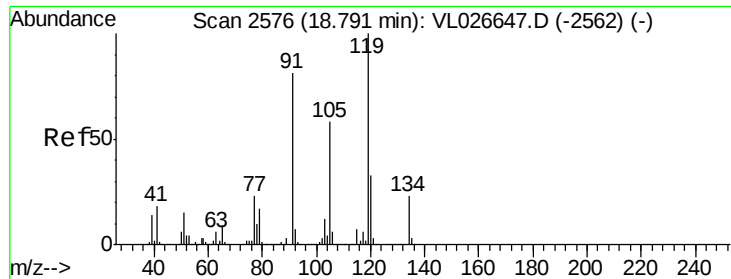
Tot Ion: 83 Resp: 2591737
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.5 13.4
 85 64.4 32.6 97.7



#64
 n-propylbenzene
 Concen: 7.30 ppbv
 RT: 17.50 min Scan# 2364
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion:120 Resp: 1552848
 Ion Ratio Lower Upper
 120 100
 91 474.7 375.8 563.6

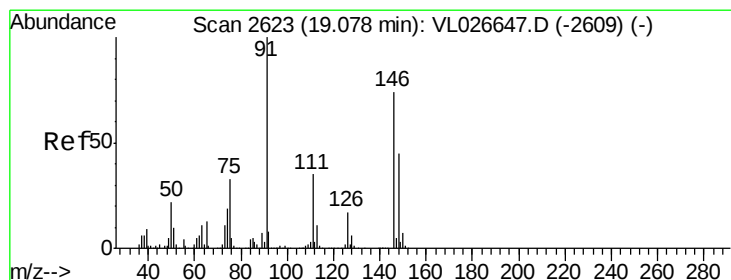
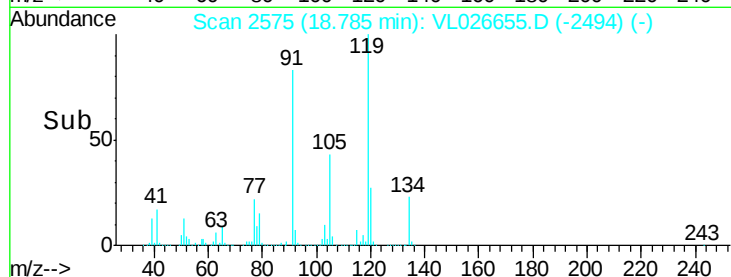
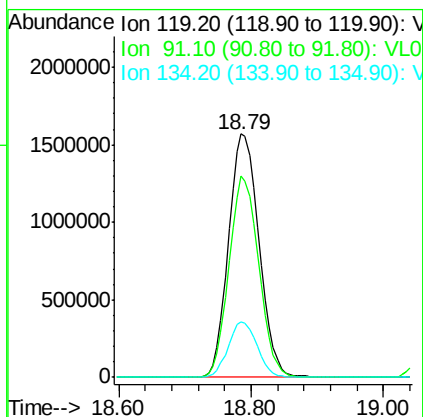
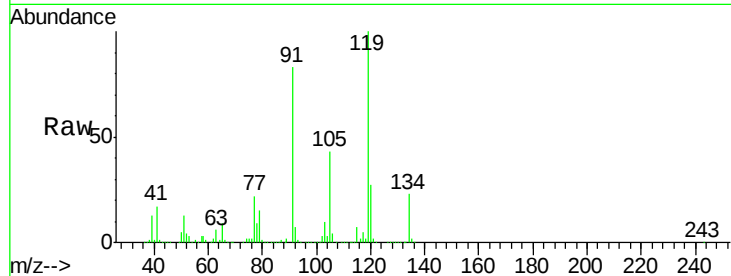




#65
 tert-Butylbenzene
 Concen: 6.92 ppbv
 RT: 18.79 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

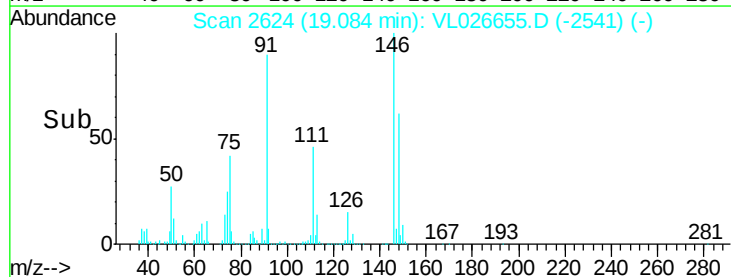
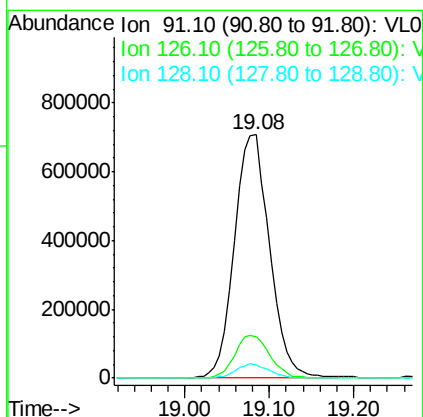
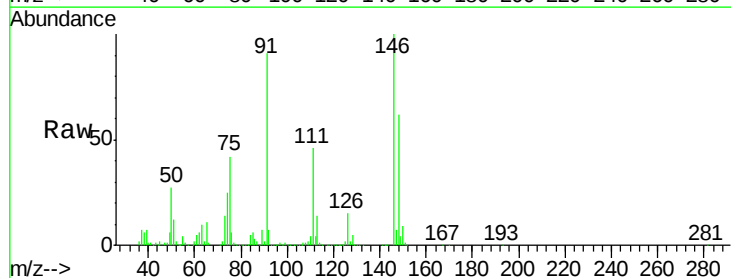
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

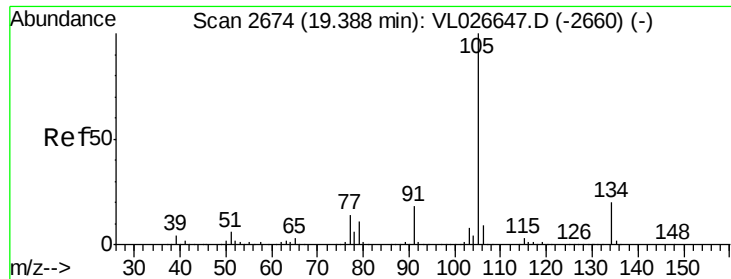
Tot Ion:119 Resp: 5026958
 Ion Ratio Lower Upper
 119 100
 91 80.6 64.8 97.2
 134 21.8 17.4 26.0



#66
 Benzyl Chloride
 Concen: 7.68 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. 0.01 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion: 91 Resp: 1994049
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.2 21.2
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 7.23 ppbv

RT: 19.39 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

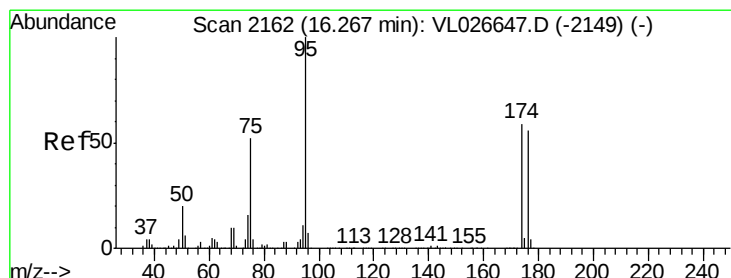
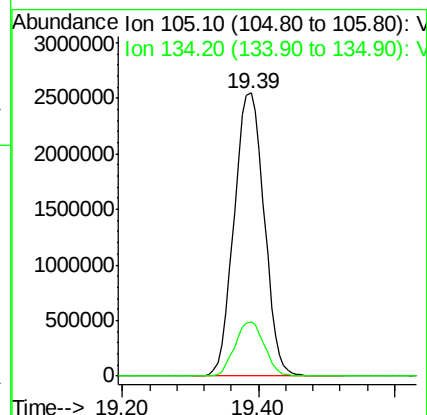
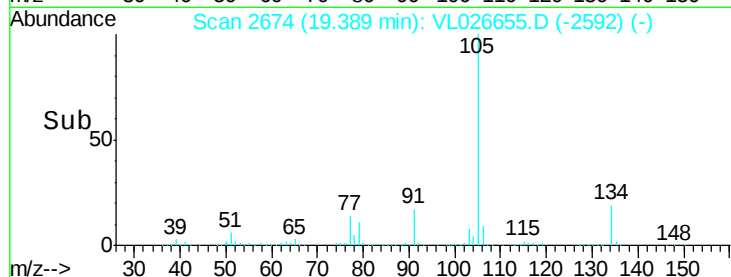
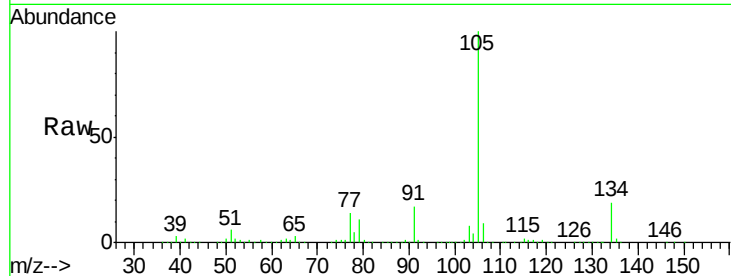
ICVVL010816

Tot Ion:105 Resp: 7793336

Ion Ratio Lower Upper

105 100

134 18.9 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 8.52 ppbv

RT: 16.27 min Scan# 2162

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

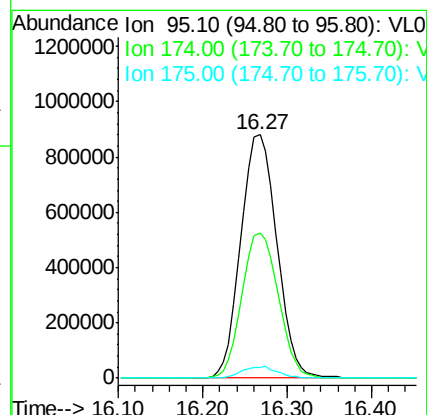
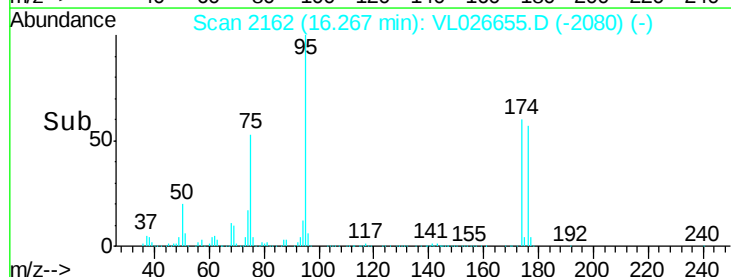
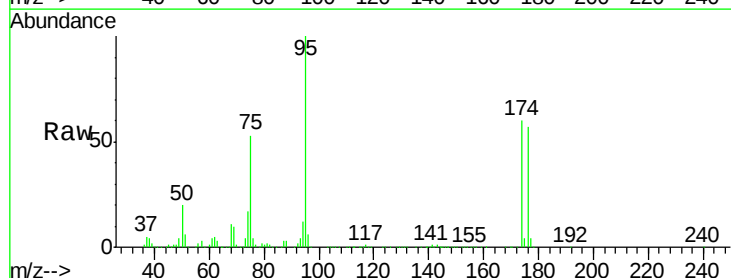
Tgt Ion: 95 Resp: 2557686

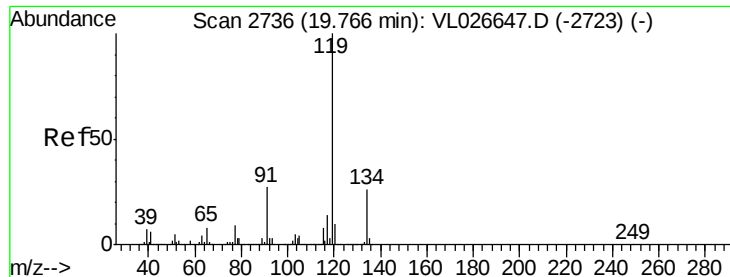
Ion Ratio Lower Upper

95 100

174 60.7 47.8 71.8

175 4.6 3.6 5.4





#69

p-Isopropyltoluene

Concen: 7.43 ppbv

RT: 19.77 min Scan# 2736

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

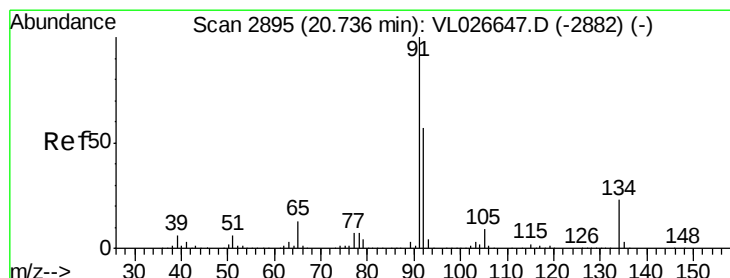
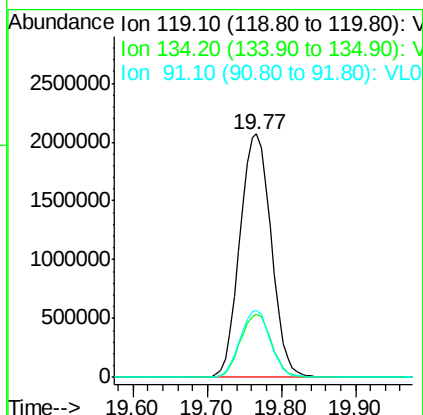
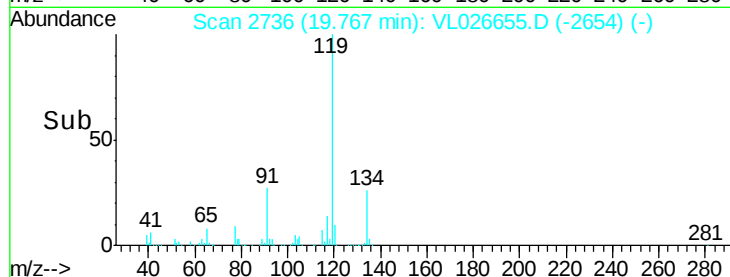
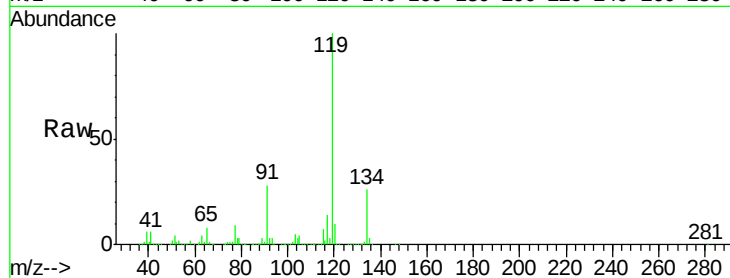
Tot Ion:119 Resp: 6126663

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

91 26.6 21.7 32.5



#70

n-Butylbenzene

Concen: 7.43 ppbv

RT: 20.74 min Scan# 2895

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

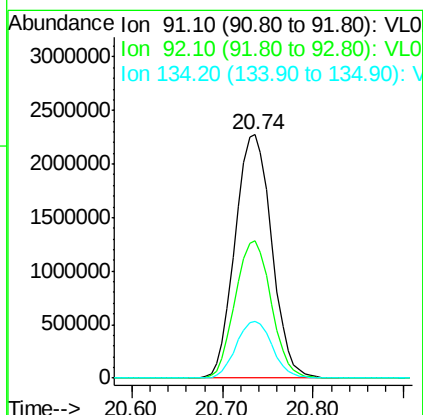
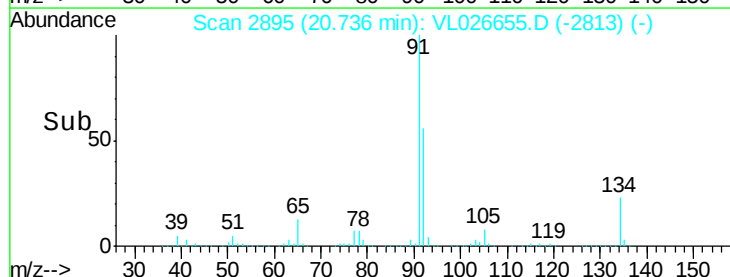
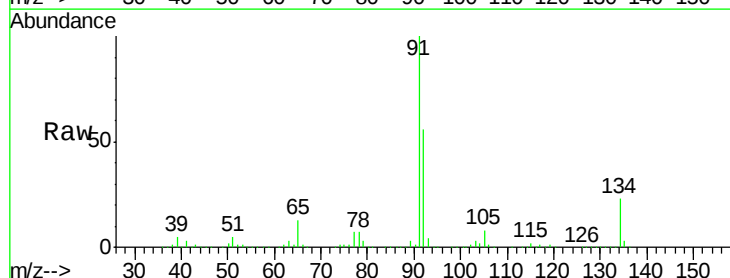
Tgt Ion: 91 Resp: 6375278

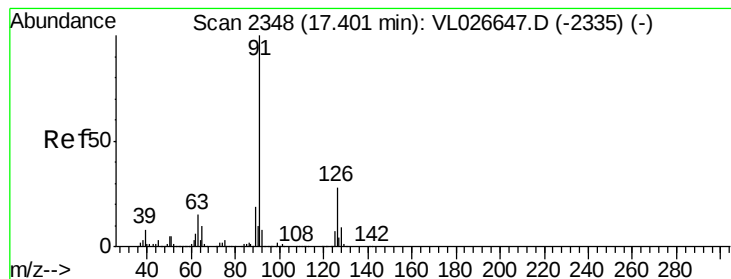
Ion Ratio Lower Upper

91 100

92 55.8 45.0 67.4

134 23.1 18.2 27.2





#71

2-Chlorotoluene

Concen: 7.65 ppbv

RT: 17.41 min Scan# 2349

Delta R.T. 0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

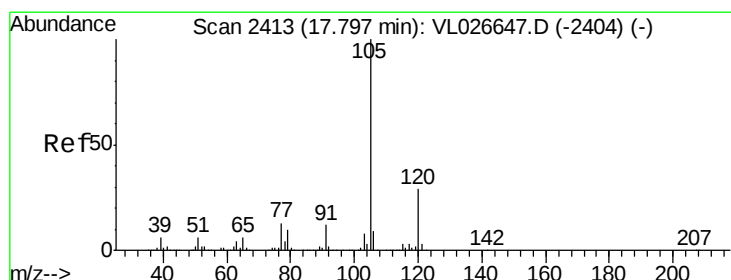
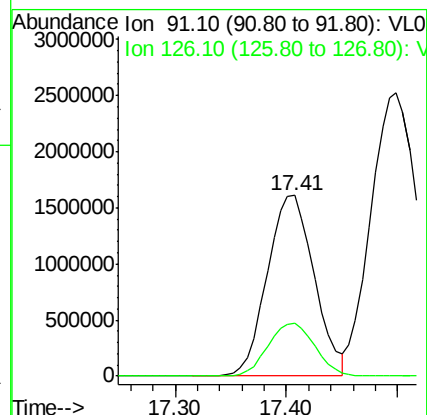
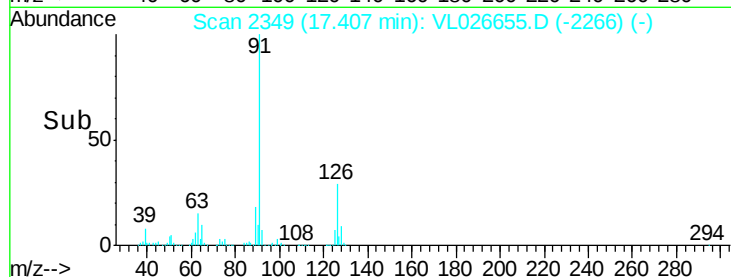
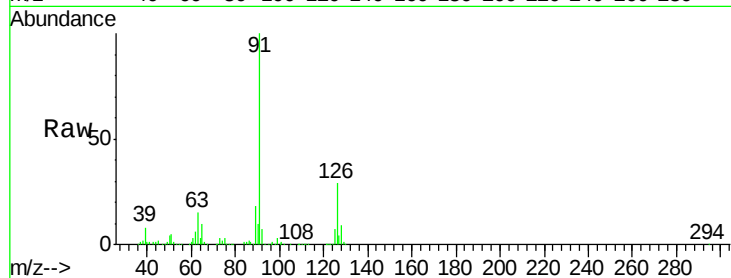
ICVVL010816

Tot Ion: 91 Resp: 4723691

Ion Ratio Lower Upper

91 100

126 29.2 11.4 45.8



#72

4-Ethyltoluene

Concen: 7.64 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:105 Resp: 5115813

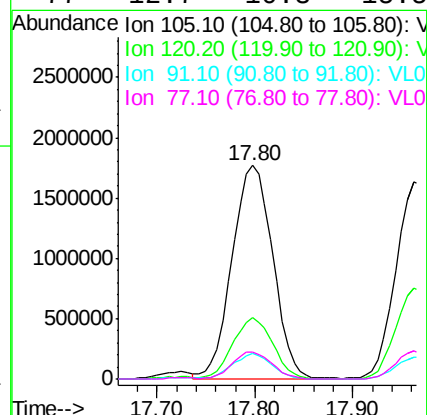
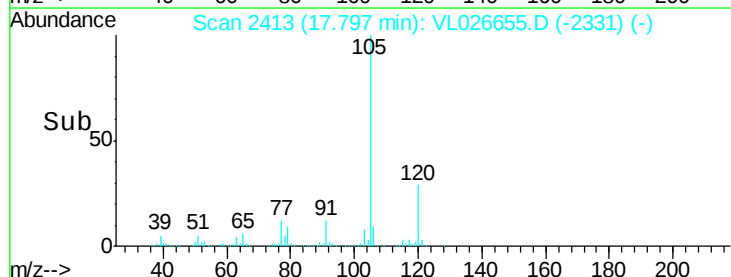
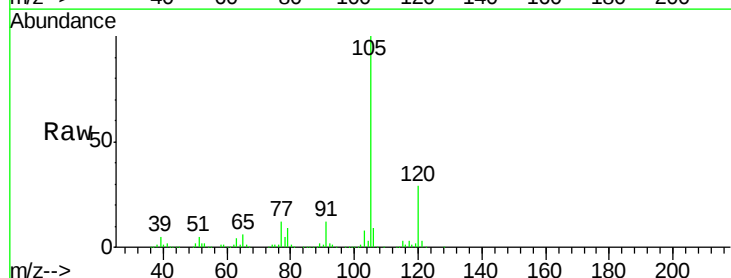
Ion Ratio Lower Upper

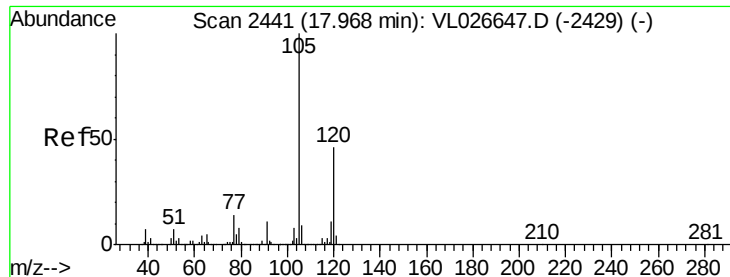
105 100

120 29.1 23.7 35.5

91 11.9 9.7 14.5

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 7.48 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

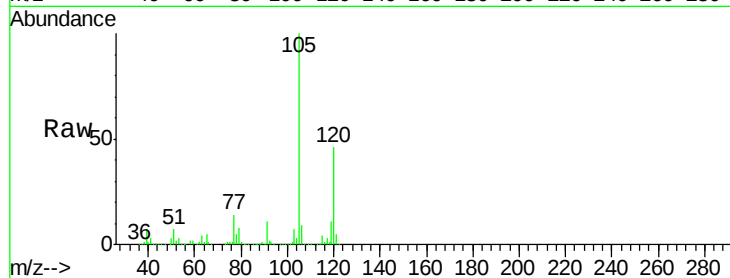
ICVVL010816

Tot Ion:105 Resp: 4749094

Ion Ratio Lower Upper

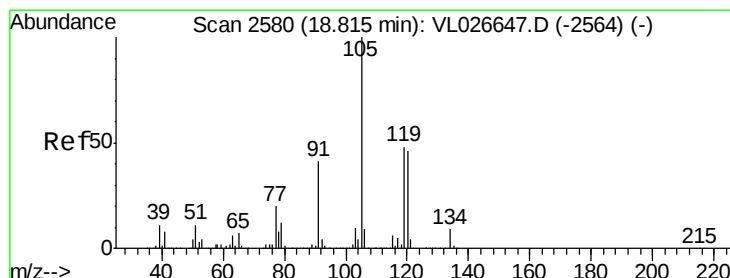
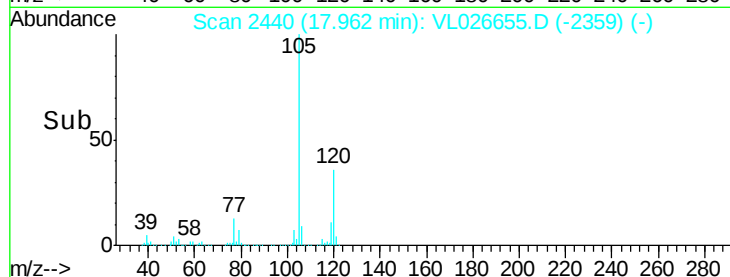
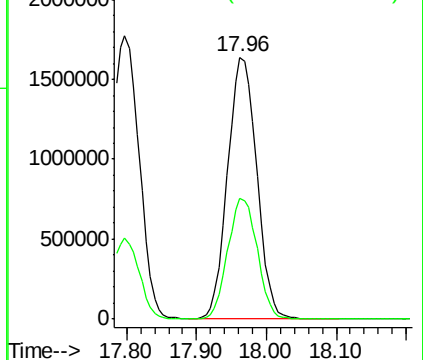
105 100

120 45.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.79 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Tgt Ion:105 Resp: 4577063

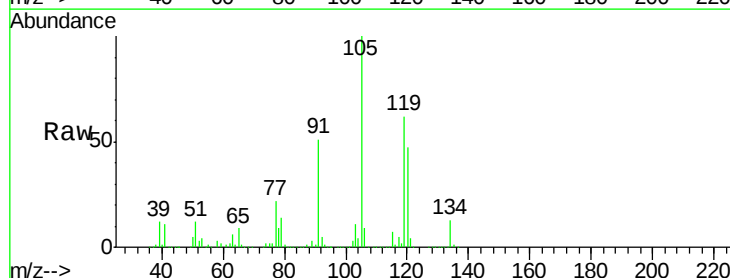
Ion Ratio Lower Upper

105 100

120 46.7 36.6 55.0

91 50.9 32.5 48.7#

77 22.1 15.7 23.5

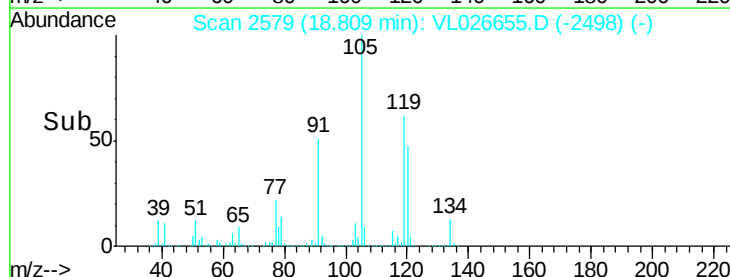
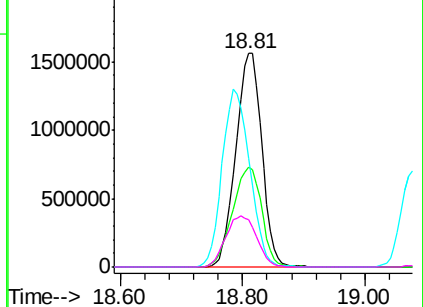


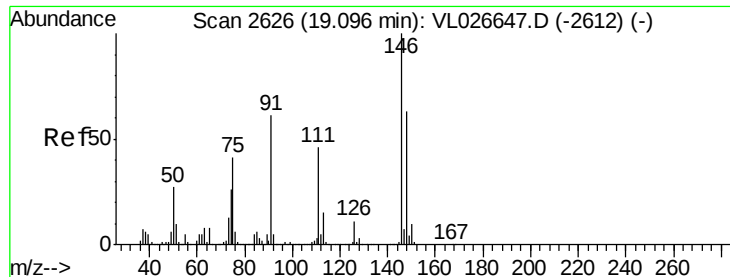
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

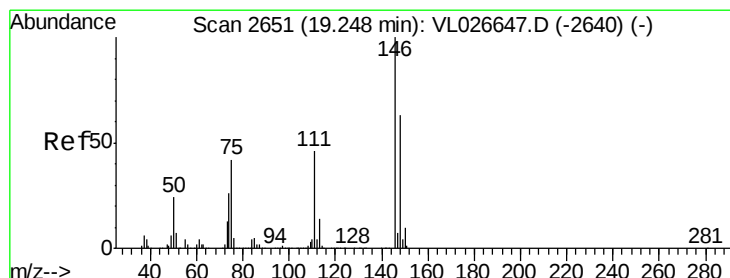
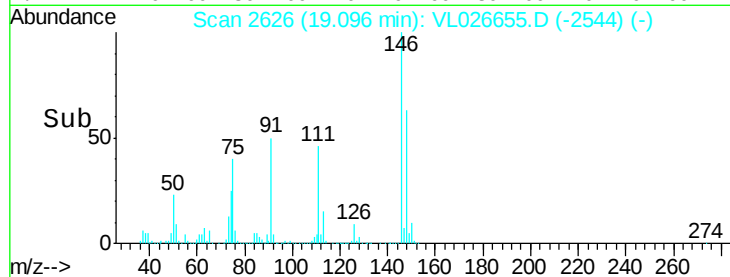
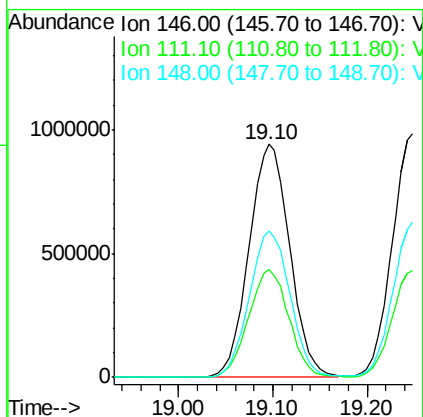
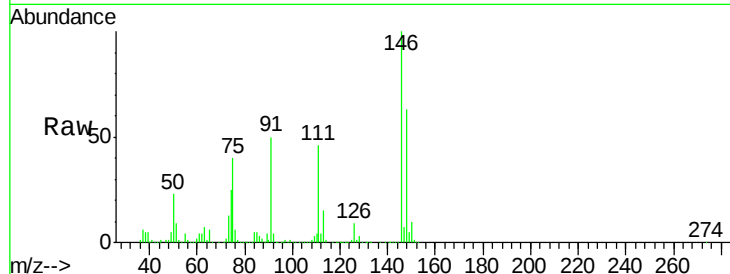




#75
 1,3-Dichlorobenzene
 Concen: 6.85 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

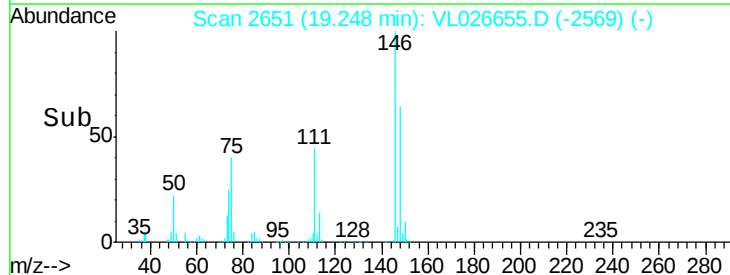
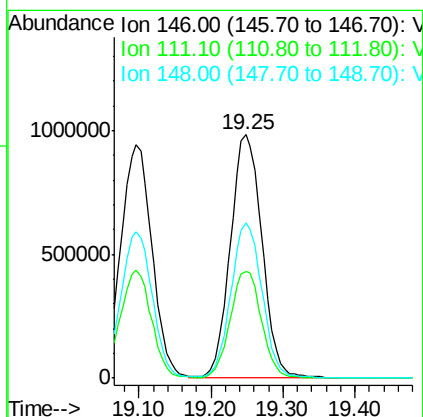
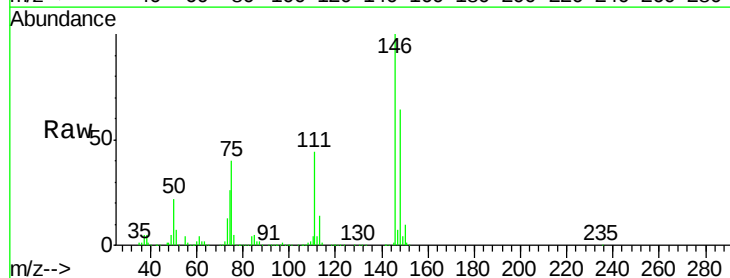
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

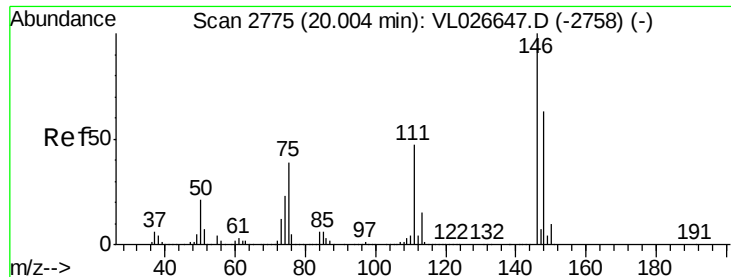
Tot Ion:146 Resp: 2849380
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.9 68.5
 148 63.0 31.6 95.0



#76
 1,4-Dichlorobenzene
 Concen: 7.01 ppbv
 RT: 19.25 min Scan# 2651
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion:146 Resp: 2993704
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.3 66.8
 148 62.8 31.9 95.9

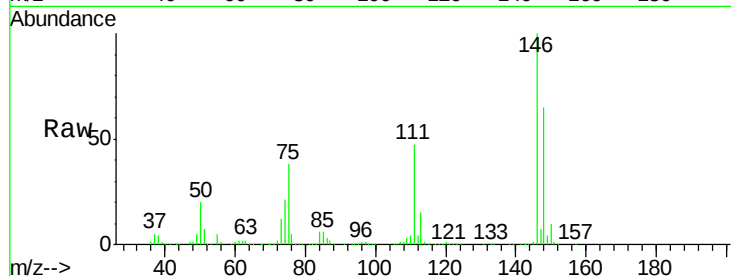




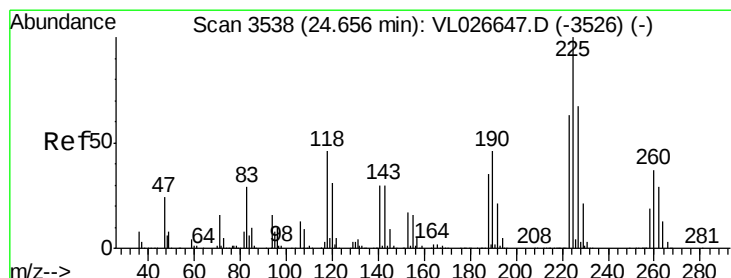
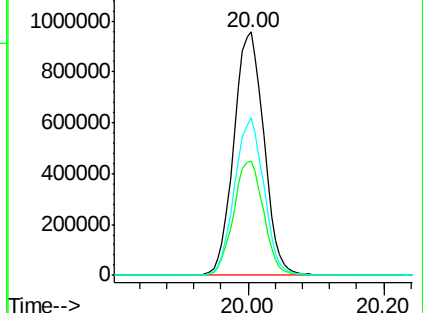
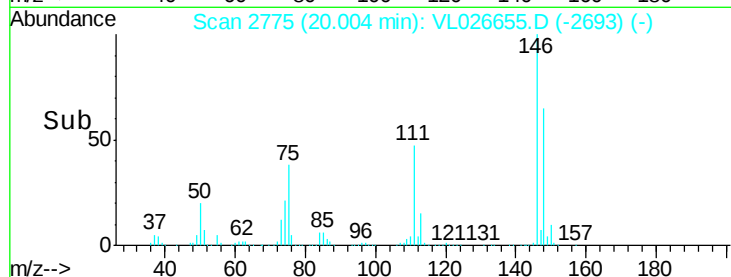
#77
 1,2-Dichlorobenzene
 Concen: 6.96 ppbv
 RT: 20.00 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL010816

Tot Ion:146 Resp: 2938157
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.7 71.1
 148 63.5 31.1 93.5

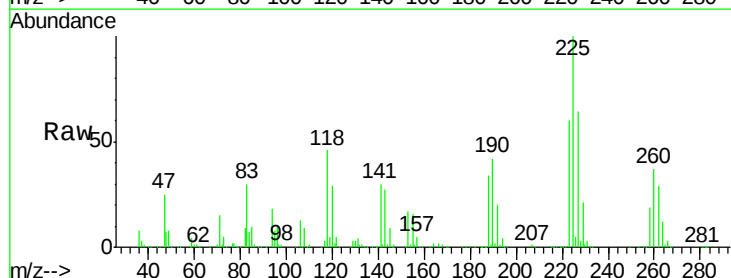


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

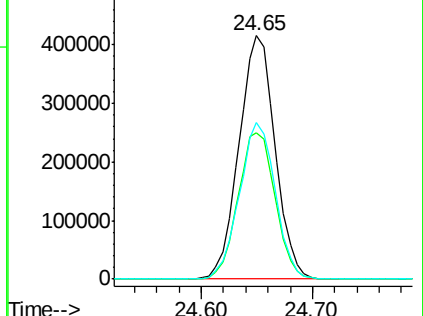
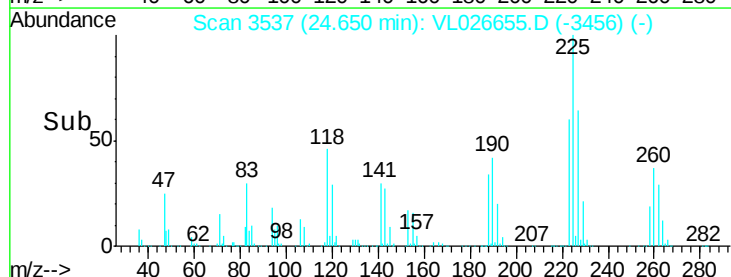


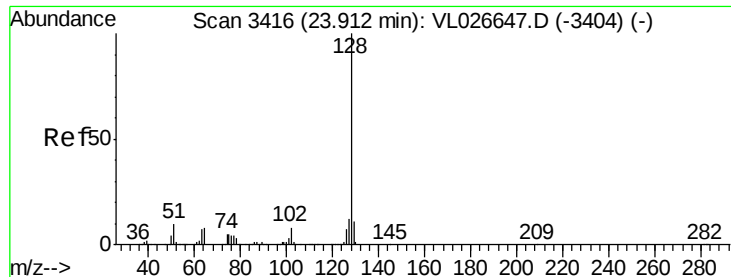
#78
 Hexachloro-1,3-Butadiene
 Concen: 5.43 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: VL026655.D
 Acq: 9 Jan 2016 00:15

Tgt Ion:225 Resp: 935277
 Ion Ratio Lower Upper
 225 100
 223 61.8 50.1 75.1
 227 64.2 51.1 76.7



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 5.66 ppbv

RT: 23.91 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

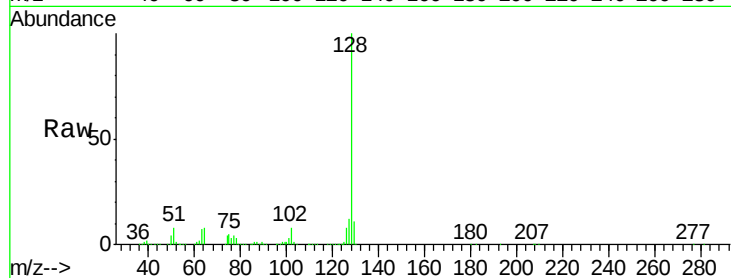
Tot Ion:128 Resp: 2575996

Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.8	14.8
129	10.7	8.9	13.3

128 100

127 12.4 9.8 14.8

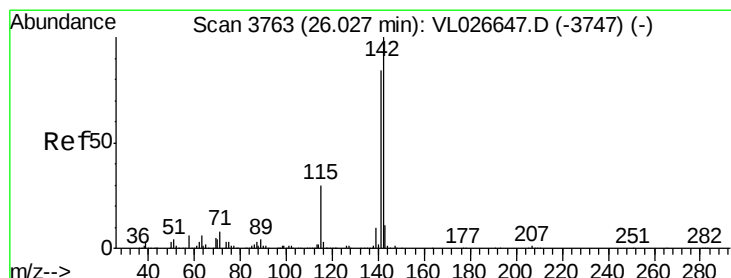
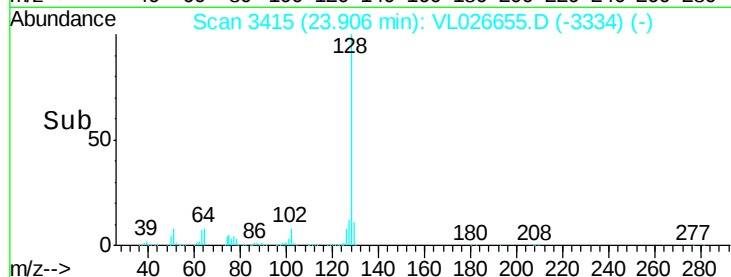
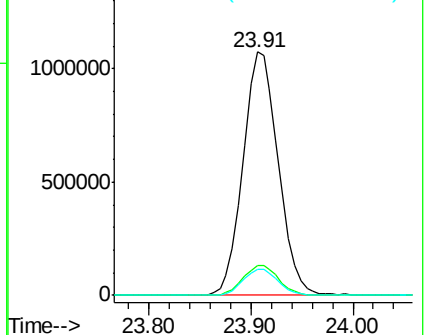
129 10.7 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 3.43 ppbv

RT: 26.02 min Scan# 3761

Delta R.T. -0.01 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

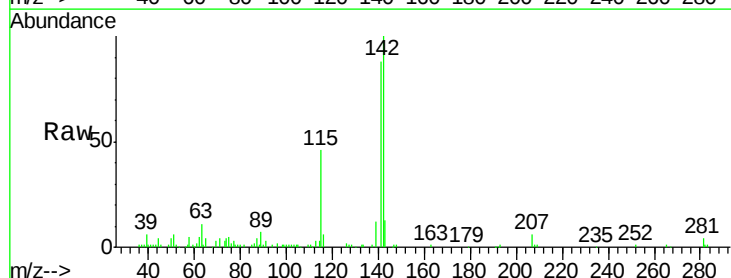
Tgt Ion:142 Resp: 242425

Ion	Ratio	Lower	Upper
142	100		
141	83.3	67.0	100.6
115	41.4	24.7	37.1#

142 100

141 83.3 67.0 100.6

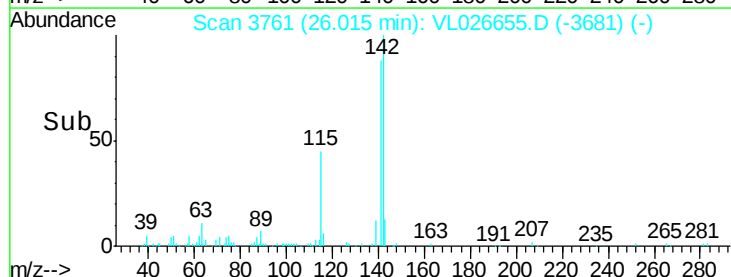
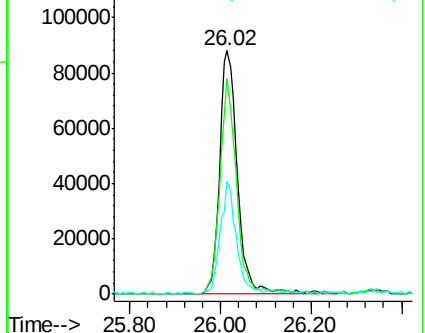
115 41.4 24.7 37.1#

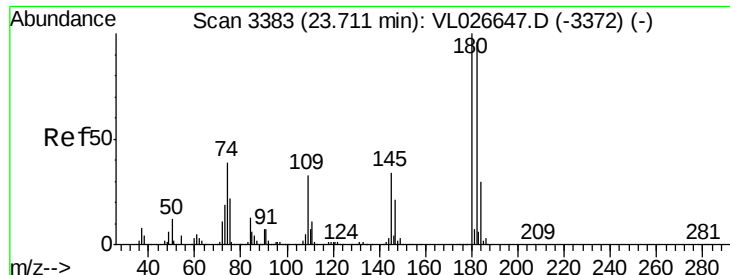


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 5.96 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VL026655.D

Acq: 9 Jan 2016 00:15

Instrument :

MSVOA_L

ClientSampleId :

ICVVL010816

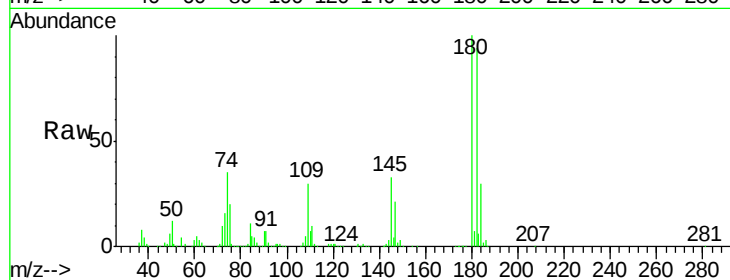
Tot Ion:180 Resp: 1234699

Ion Ratio Lower Upper

180 100

182 94.7 75.4 113.0

184 29.5 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

