

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026828.D
 Acq On : 9 Feb 2016 20:06
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Quant Time: Feb 10 02:10:20 2016

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016

QLast Update : Wed Feb 10 02:03:34 2016

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	1615276	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.36	114	4183284	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.79	117	3876122	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2822480	8.58	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.67	85	15763	0.03	ppbv	97
3) Chlorodifluoromethane	3.60	51	69351	0.22	ppbv	98
4) Chloromethane	3.78	50	4661	0.05	ppbv	96
5) Vinyl Chloride	3.92	62	4003	0.04	ppbv	90
6) Bromomethane	4.17	94	3958	0.04	ppbv #	75
7) Chloroethane	4.28	64	2008	0.04	ppbv	95
8) Dichlorotetrafluoroethane	3.84	85	12695	0.03	ppbv	91
9) Propene	3.63	41	3964	0.06	ppbv	97
10) Heptane	9.40	43	4194	0.02	ppbv	89
11) Trichlorofluoromethane	4.73	101	17356	0.03	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	5.34	101	12453	0.04	ppbv	97
13) Ethanol	4.39	45	115	0.01	ppbv #	36
14) Bromoethene	4.48	108	3908	0.03	ppbv	97
15) Acetone	4.68	43	33231	0.09	ppbv #	1
16) 1,3-Butadiene	4.00	39	2373	0.02	ppbv #	68
17) tert-Butyl alcohol	5.22	59	5860	0.03	ppbv #	78
18) 1,1-Dichloroethene	5.12	96	4901	0.04	ppbv #	71
19) Isopropyl Alcohol	4.84	45	4040	0.04	ppbv #	1
20) Methylene Chloride	5.18	84	12351	0.10	ppbv #	87
21) Allyl Chloride	5.26	41	4038	0.03	ppbv #	58
22) trans-1,2-Dichloroethene	5.81	96	3890	0.03	ppbv	91
23) Vinyl Acetate	6.04	43	10073	0.02	ppbv #	90
24) 1,1-Dichloroethane	5.95	63	9098	0.03	ppbv #	85
25) Ethyl Acetate	6.74	43	7116	0.02	ppbv #	89
26) Hexane	6.70	57	6009	0.03	ppbv #	89
27) Carbon Disulfide	5.42	76	11098	0.03	ppbv #	38
28) Methyl tert-Butyl Ether	6.03	73	7152	0.02	ppbv	95
29) Chloroform	6.78	83	11860	0.03	ppbv	87
30) Cyclohexane	8.34	84	14595	0.08	ppbv #	1
31) cis-1,2-Dichloroethene	6.54	61	4133	0.02	ppbv #	87
32) 1,1,1-Trichloroethane	7.63	97	10071	0.02	ppbv	99
34) 2-Butanone	6.28	43	9737	0.05	ppbv	99
35) Carbon Tetrachloride	8.20	117	10649	0.03	ppbv	99
36) Benzene	8.05	78	4380	0.01	ppbv	93
37) 1,2-Dichloroethane	7.41	62	7202	0.02	ppbv #	80
38) Trichloroethene	9.11	130	1894	0.01	ppbv	97
41) Tetrahydrofuran	7.23	42	1449	0.02	ppbv #	60
42) Bromodichloromethane	9.06	83	9299	0.02	ppbv #	97
43) Methyl Methacrylate	9.33	69	1446	0.01	ppbv #	83
44) 2,2,4-Trimethylpentane	9.12	57	12948	0.02	ppbv #	84
45) t-1,3-Dichloropropene	10.70	75	1495	0.01	ppbv	92

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Instrument :
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 ClientSampleId :
 VSTDIC0.03

Quant Time: Feb 10 02:10:20 2016
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL020916AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 02:03:34 2016
 QLast Update : Wed Feb 10 02:03:34 2016
 Response via : Initial Calibration

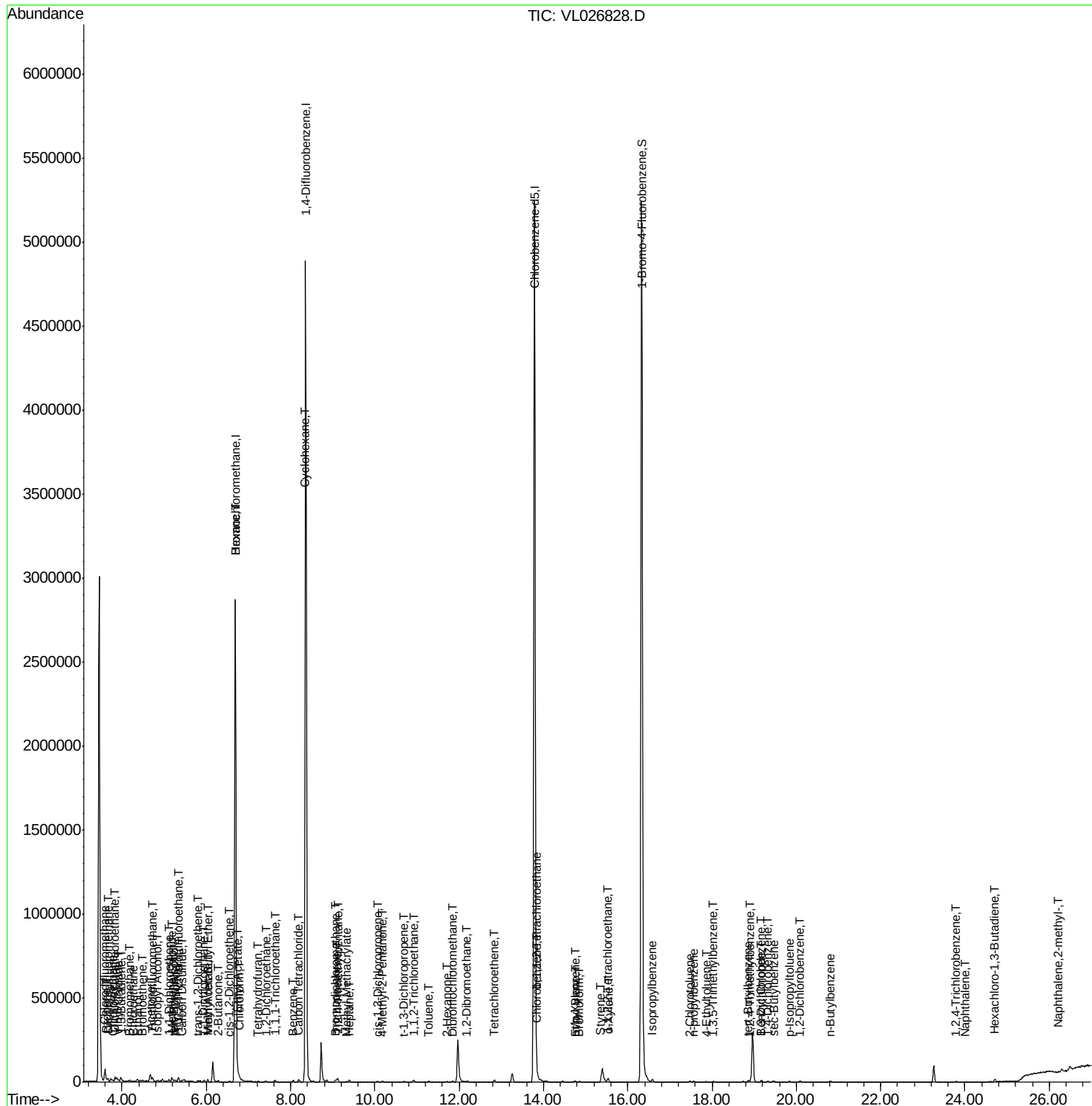
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	10.07	75	3372	0.01	ppbv	# 86
47) 1,1,2-Trichloroethane	10.92	97	2654	0.01	ppbv	86
48) Dibromochloromethane	11.85	129	5472	0.02	ppbv	98
49) Bromoform	14.85	173	1720	0.01	ppbv	# 27
50) 4-Methyl-2-Pentanone	10.18	43	4849	0.02	ppbv	89
51) 2-Hexanone	11.71	43	1736	0.01	ppbv	# 88
52) Tetrachloroethene	12.85	164	3817	0.02	ppbv	# 72
53) Toluene	11.28	91	7450	0.01	ppbv	88
54) 1,2-Dibromoethane	12.19	107	6049	0.02	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	1770	0.01	ppbv	# 1
57) Chlorobenzene	13.85	112	12032	0.03	ppbv	# 91
58) Ethyl Benzene	14.76	91	5040	0.01	ppbv	97
59) m/p-Xylene	14.76	91	5040	0.01	ppbv	# 18
60) o-Xylene	15.54	91	10038	0.02	ppbv	96
61) Styrene	15.35	104	925	0.00	ppbv	# 28
62) Isopropylbenzene	16.58	105	11998	0.01	ppbv	# 89
63) 1,1,2,2-Tetrachloroethane	15.54	83	9148	0.02	ppbv	# 94
64) n-propylbenzene	17.57	120	684	0.00	ppbv	# 1
65) tert-Butylbenzene	18.86	119	6396	0.01	ppbv	# 95
66) Benzyl Chloride	19.16	91	1470	0.00	ppbv	# 65
67) sec-Butylbenzene	19.46	105	9191	0.01	ppbv	100
69) p-Isopropyltoluene	19.84	119	6393	0.01	ppbv	# 90
70) n-Butylbenzene	20.80	91	5806	0.01	ppbv	# 87
71) 2-Chlorotoluene	17.47	91	4355	0.01	ppbv	93
72) 4-Ethyltoluene	17.86	105	4830	0.01	ppbv	# 78
73) 1,3,5-Trimethylbenzene	18.04	105	4514	0.01	ppbv	99
74) 1,2,4-Trimethylbenzene	18.89	105	5258	0.01	ppbv	# 77
75) 1,3-Dichlorobenzene	19.16	146	3773	0.01	ppbv	# 30
76) 1,4-Dichlorobenzene	19.32	146	3379	0.01	ppbv	# 56
77) 1,2-Dichlorobenzene	20.08	146	5171	0.01	ppbv	98
78) Hexachloro-1,3-Butadiene	24.71	225	4545	0.02	ppbv	95
79) Naphthalene	24.00	128	2205	0.00	ppbv	# 70
80) Naphthalene,2-methyl-	26.20	142	427	0.00	ppbv	# 1
81) 1,2,4-Trichlorobenzene	23.79	180	2442	0.01	ppbv	# 87

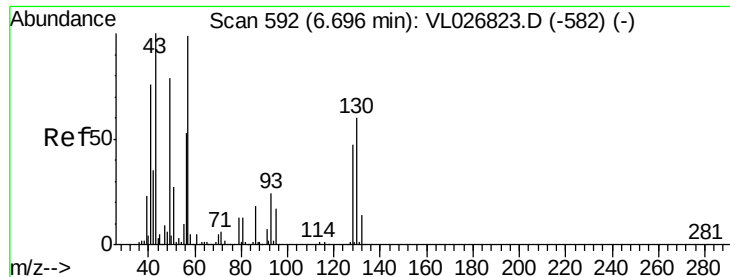
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDICC0.03

Quant Time: Feb 10 02:10:20 2016
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QLast Update : Wed Feb 10 02:03:34 2016
Response via : Initial Calibration

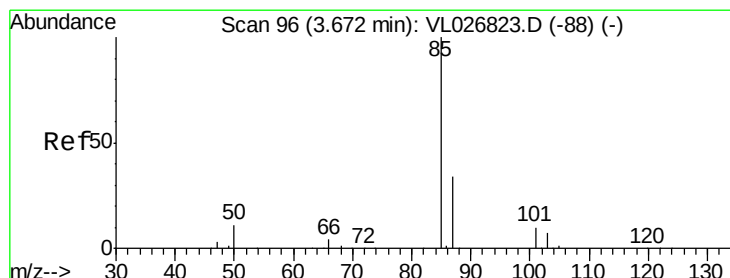
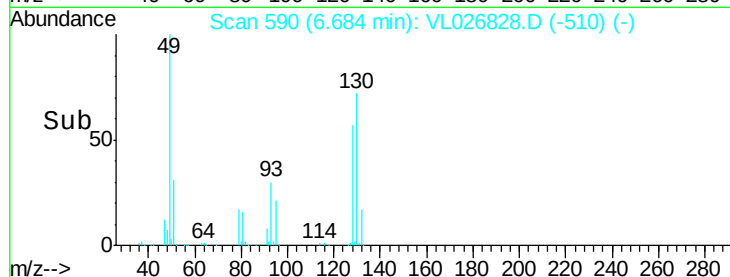
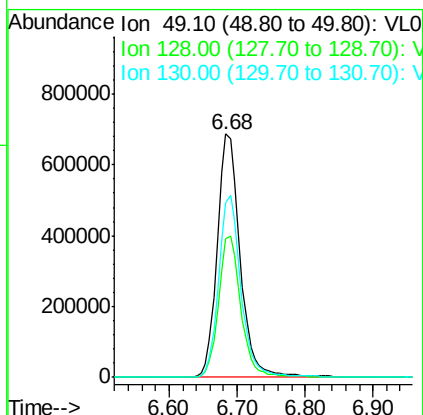
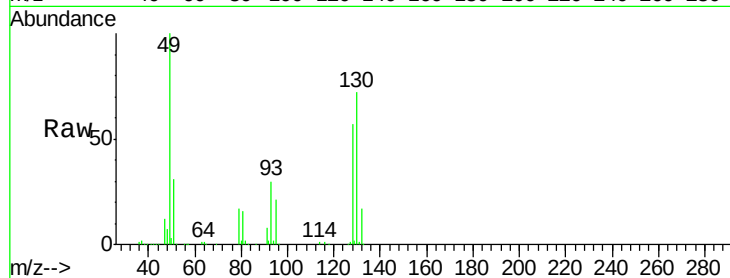




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.68 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

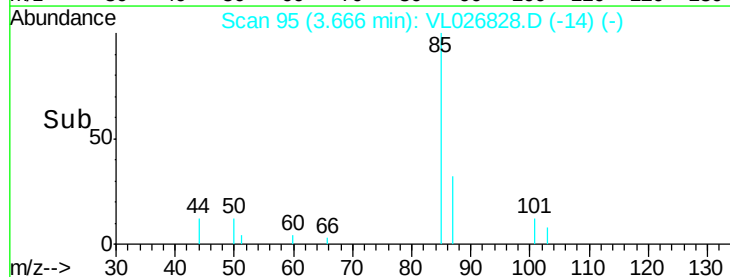
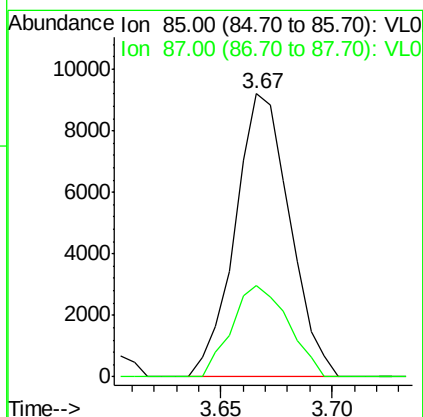
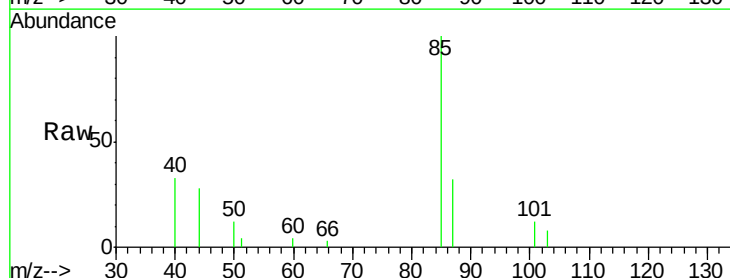
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

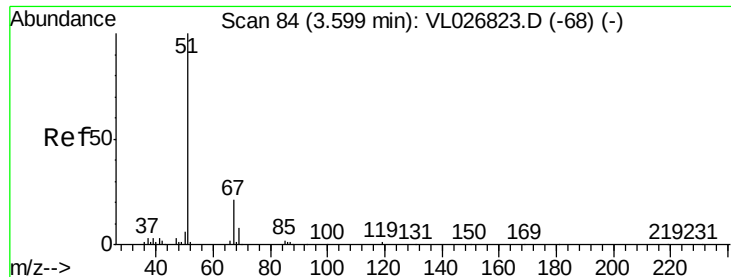
Tgt Ion: 49 Resp: 1615276
 Ion Ratio Lower Upper
 49 100
 128 57.1 29.7 89.1
 130 73.4 38.3 114.8



#2
 Dichlorodifluoromethane
 Concen: 0.03 ppbv
 RT: 3.67 min Scan# 95
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 85 Resp: 15763
 Ion Ratio Lower Upper
 85 100
 87 32.5 27.3 40.9





#3

Chlorodifluoromethane

Concen: 0.22 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

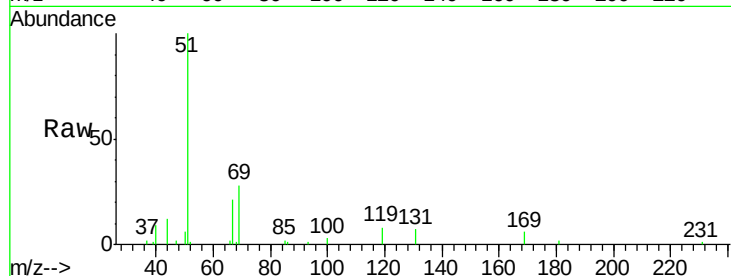
VSTDIC0.03

Tgt Ion: 51 Resp: 69351

Ion Ratio Lower Upper

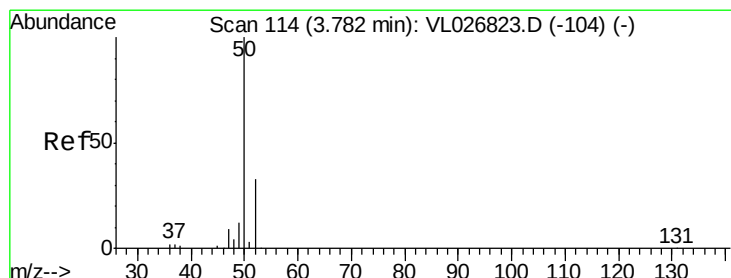
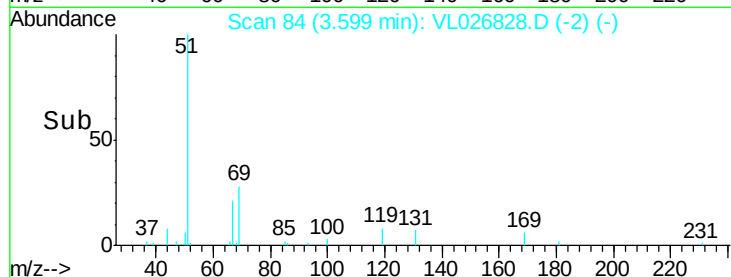
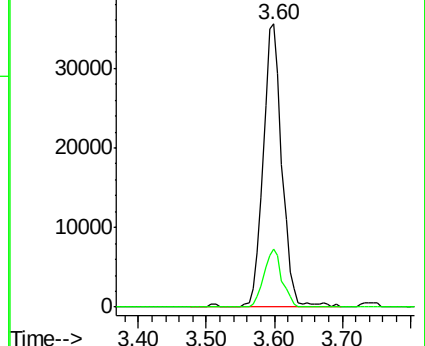
51 100

67 19.5 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.05 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026828.D

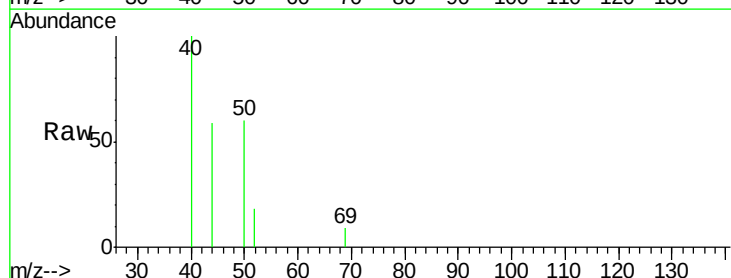
Acq: 9 Feb 2016 20:06

Tgt Ion: 50 Resp: 4661

Ion Ratio Lower Upper

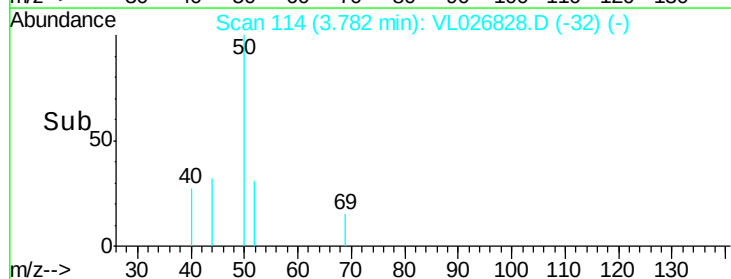
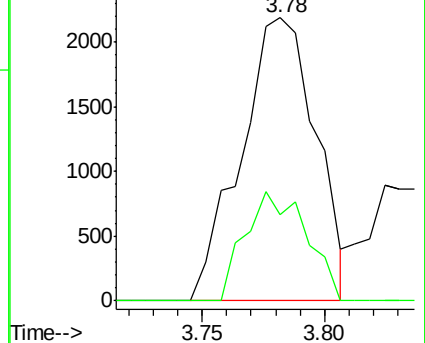
50 100

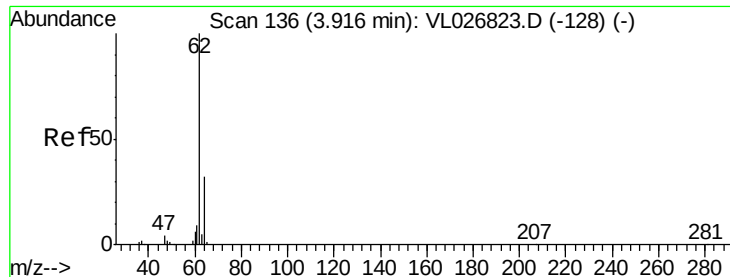
52 30.7 26.3 39.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.04 ppbv

RT: 3.92 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

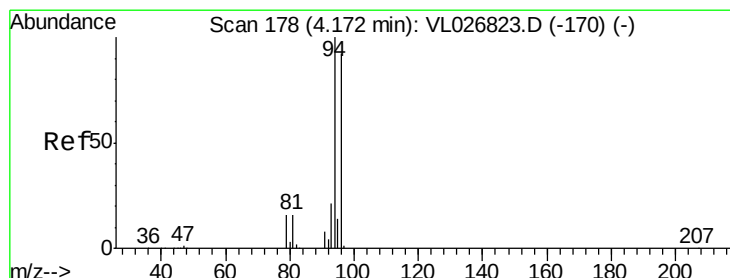
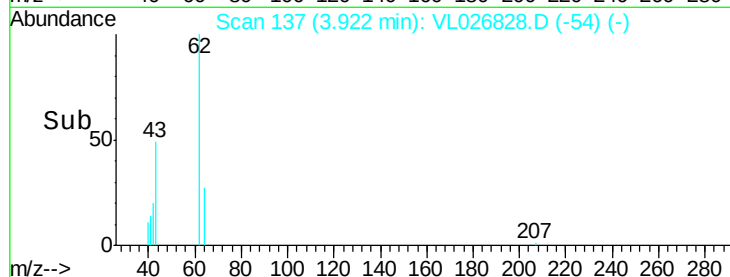
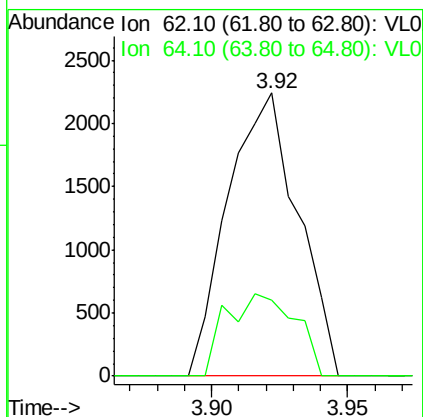
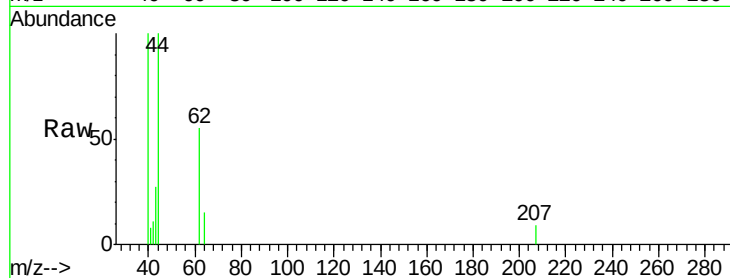
VSTDIC0.03

Tgt Ion: 62 Resp: 4003

Ion Ratio Lower Upper

62 100

64 26.7 25.8 38.6



#6

Bromomethane

Concen: 0.04 ppbv

RT: 4.17 min Scan# 178

Delta R.T. -0.00 min

Lab File: VL026828.D

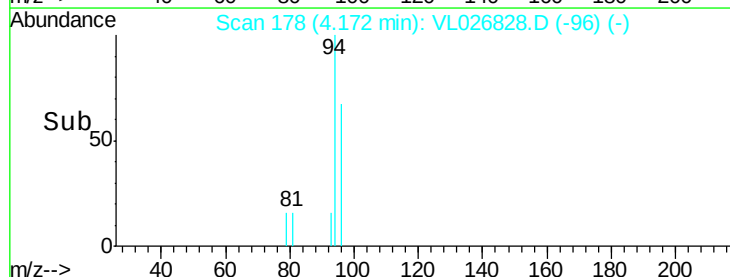
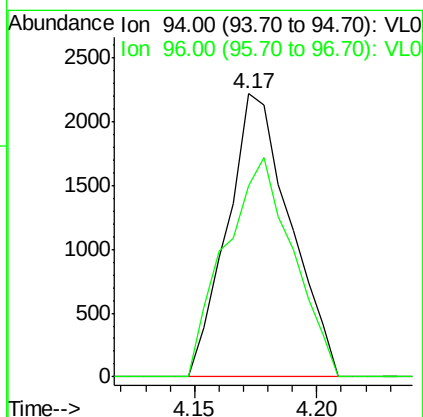
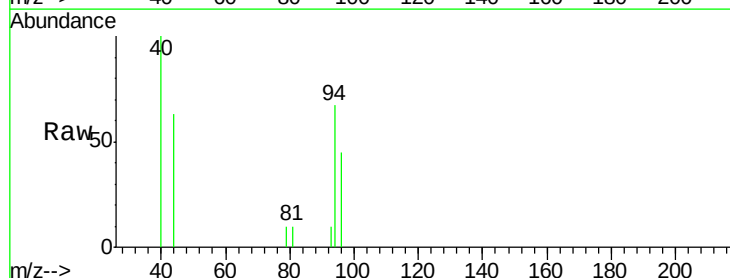
Acq: 9 Feb 2016 20:06

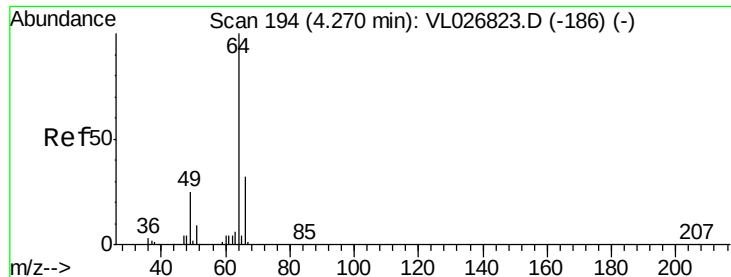
Tgt Ion: 94 Resp: 3958

Ion Ratio Lower Upper

94 100

96 67.5 73.2 109.8#





#7

Chloroethane

Concen: 0.04 ppbv

RT: 4.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

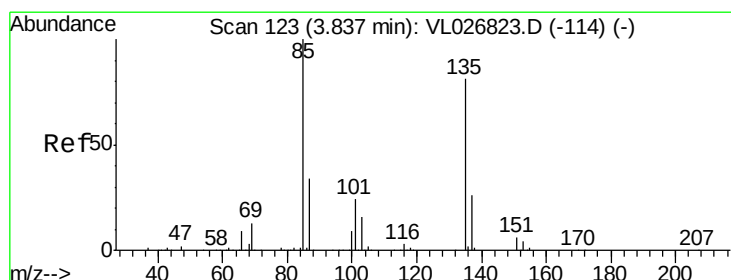
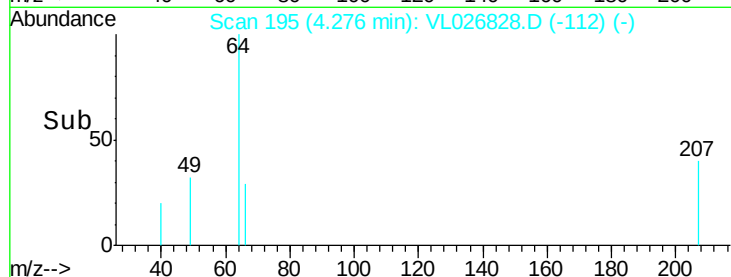
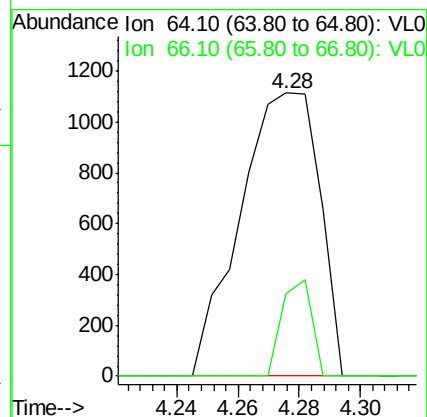
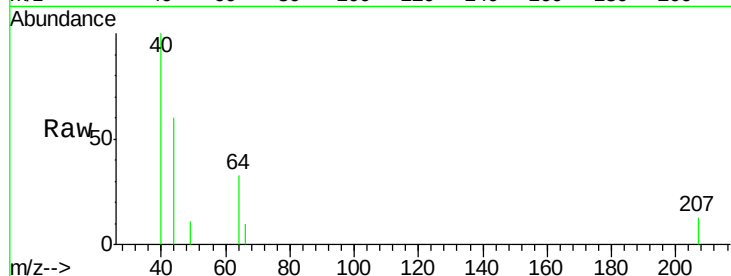
VSTDIC0.03

Tgt Ion: 64 Resp: 2008

Ion Ratio Lower Upper

64 100

66 28.9 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 0.03 ppbv

RT: 3.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL026828.D

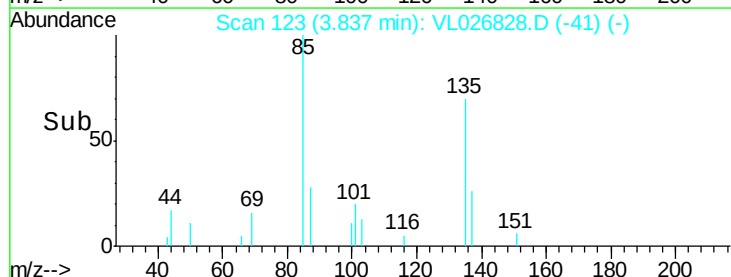
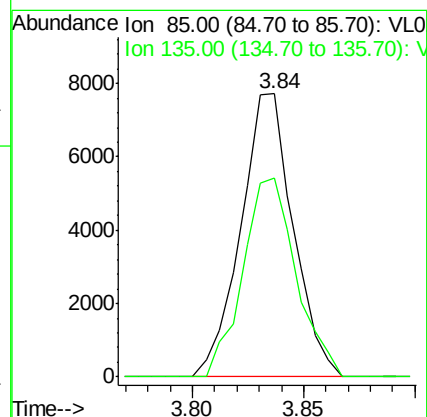
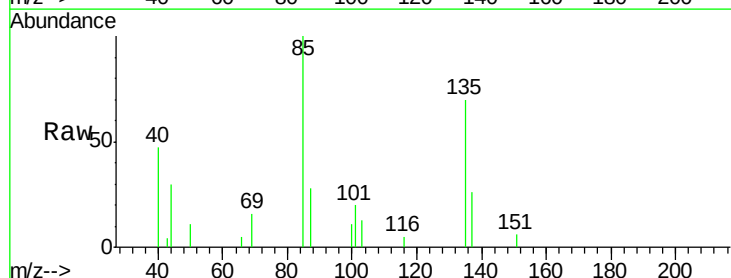
Acq: 9 Feb 2016 20:06

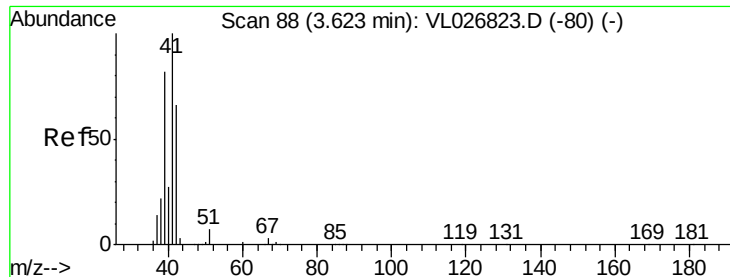
Tgt Ion: 85 Resp: 12695

Ion Ratio Lower Upper

85 100

135 71.2 63.2 94.8





#9

Propene

Concen: 0.06 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

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ClientSampleId :

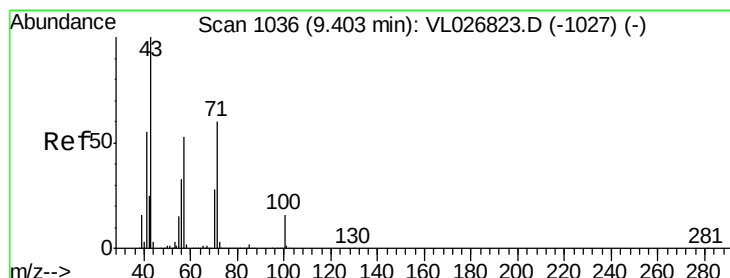
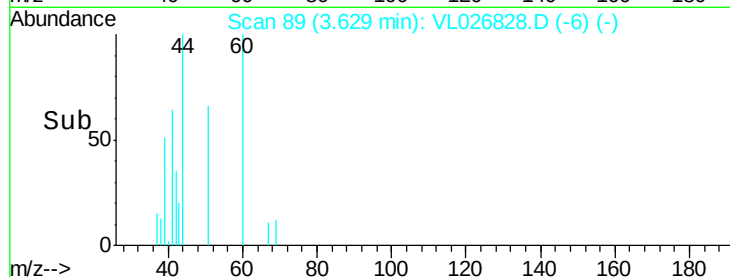
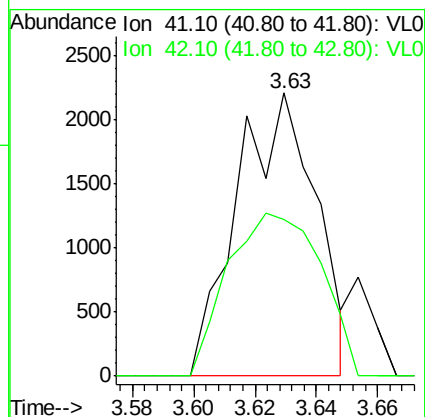
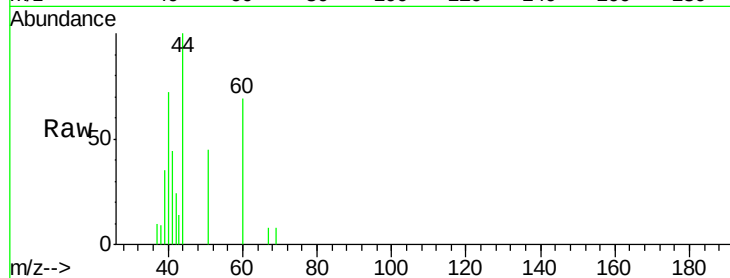
VSTDIC0.03

Tgt Ion: 41 Resp: 3964

Ion Ratio Lower Upper

41 100

42 68.2 52.8 79.2



#10

Heptane

Concen: 0.02 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VL026828.D

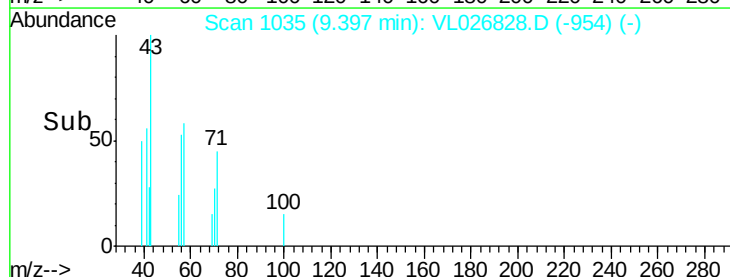
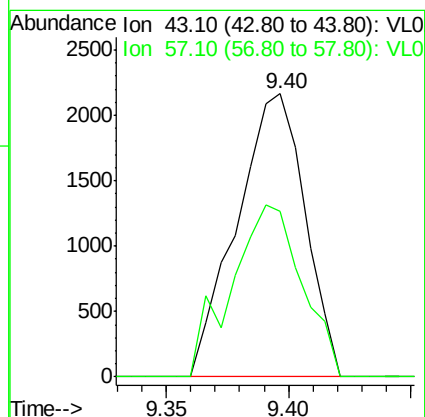
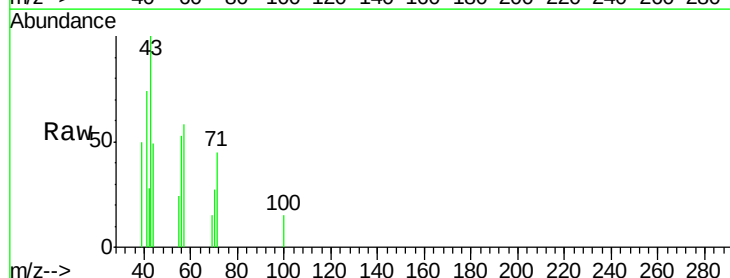
Acq: 9 Feb 2016 20:06

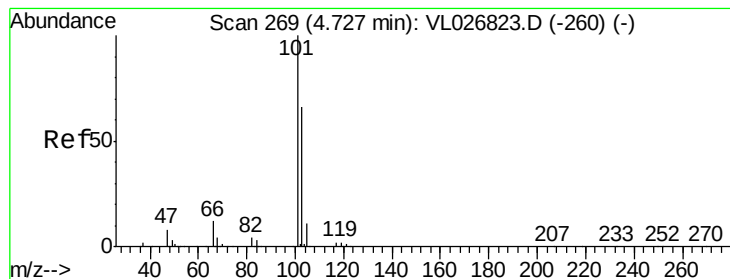
Tgt Ion: 43 Resp: 4194

Ion Ratio Lower Upper

43 100

57 62.9 44.0 66.0





#11

Trichlorofluoromethane

Concen: 0.03 ppbv

RT: 4.73 min Scan# 270

Delta R.T. 0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

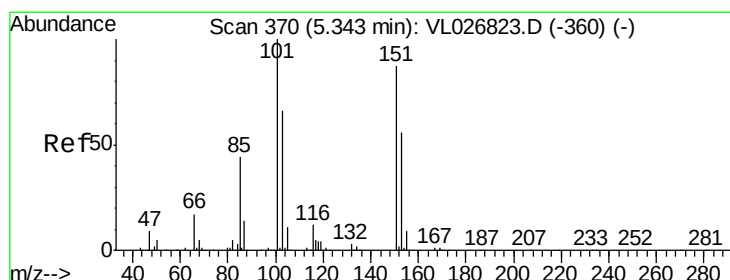
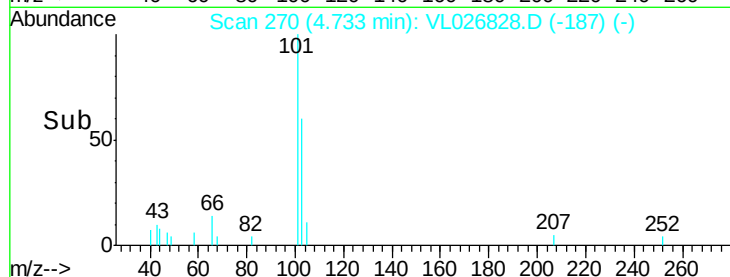
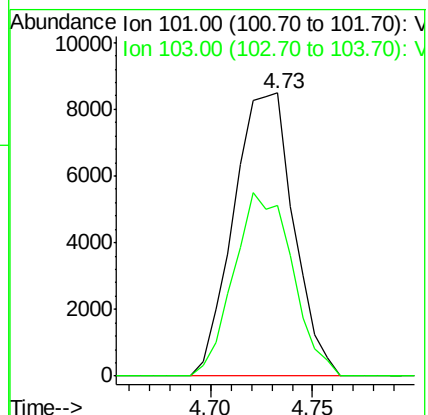
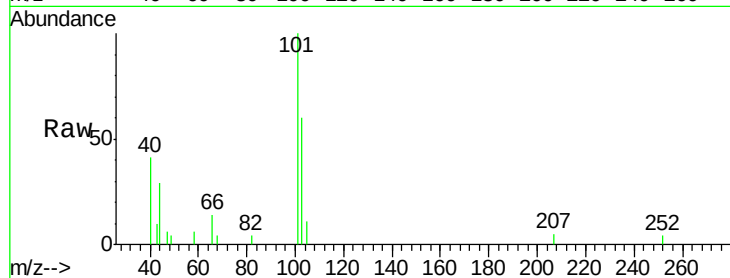
VSTDIC0.03

Tgt Ion:101 Resp: 17356

Ion Ratio Lower Upper

101 100

103 60.2 52.7 79.1



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.04 ppbv

RT: 5.34 min Scan# 369

Delta R.T. -0.01 min

Lab File: VL026828.D

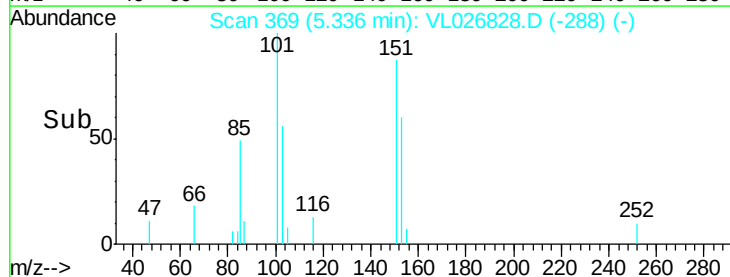
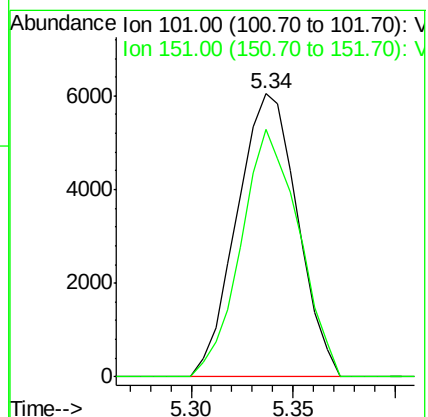
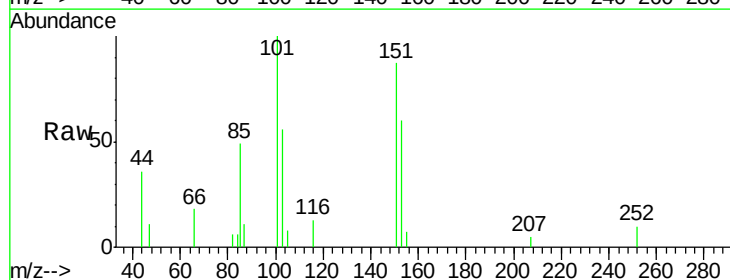
Acq: 9 Feb 2016 20:06

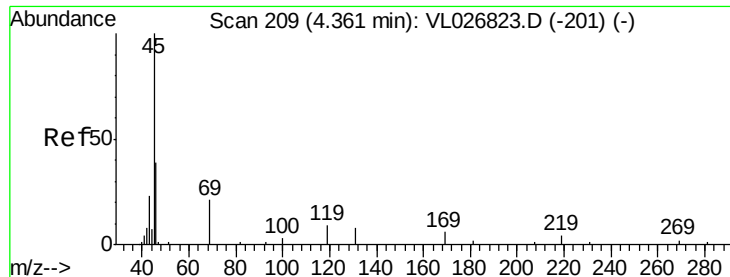
Tgt Ion:101 Resp: 12453

Ion Ratio Lower Upper

101 100

151 83.8 69.4 104.0





#13

Ethanol

Concen: 0.01 ppbv

RT: 4.39 min Scan# 213

Delta R.T. 0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

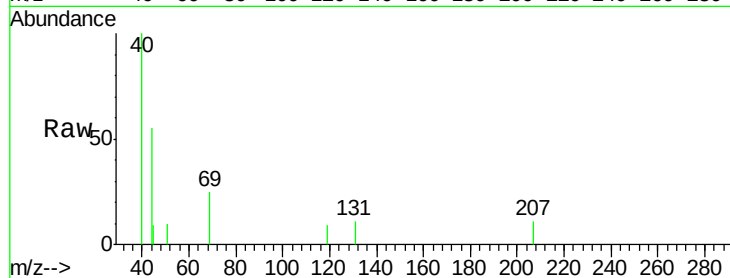
VSTDIC0.03

Tgt Ion: 45 Resp: 115

Ion Ratio Lower Upper

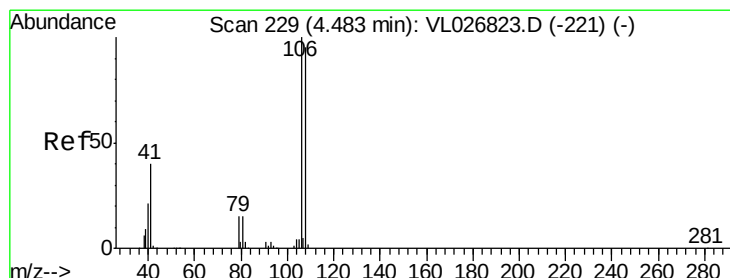
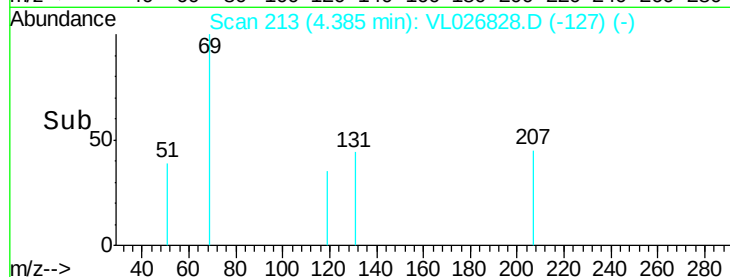
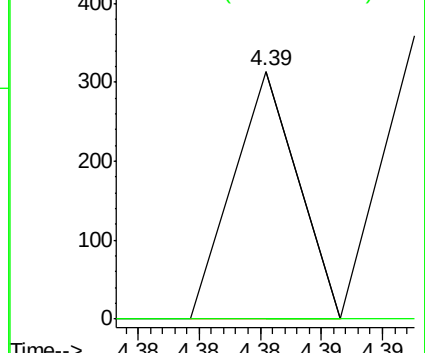
45 100

46 0.0 15.8 63.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.03 ppbv

RT: 4.48 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

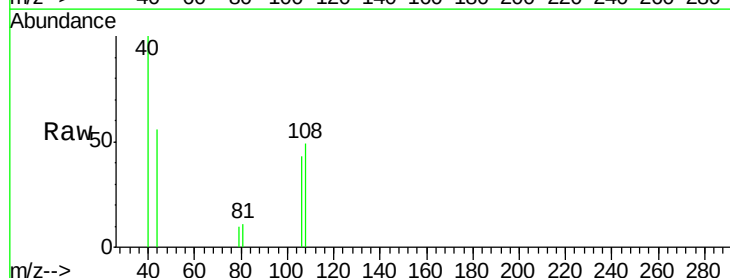
Tgt Ion: 108 Resp: 3908

Ion Ratio Lower Upper

108 100

106 102.5 84.6 126.8

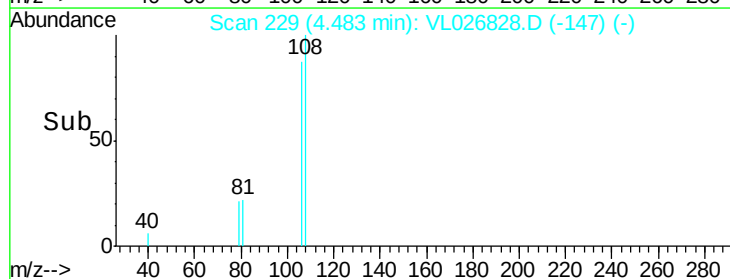
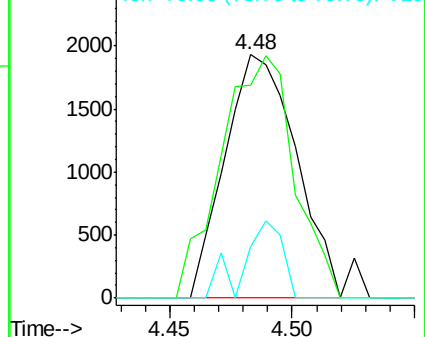
79 17.7 13.4 20.0

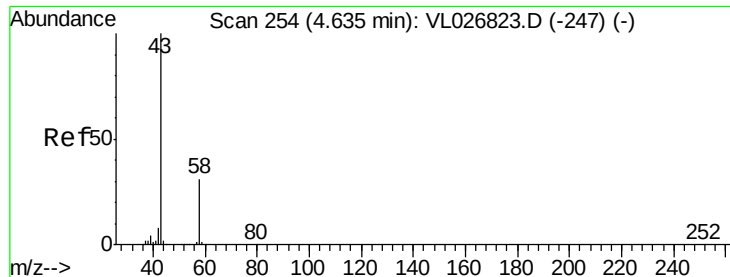


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.09 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.04 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

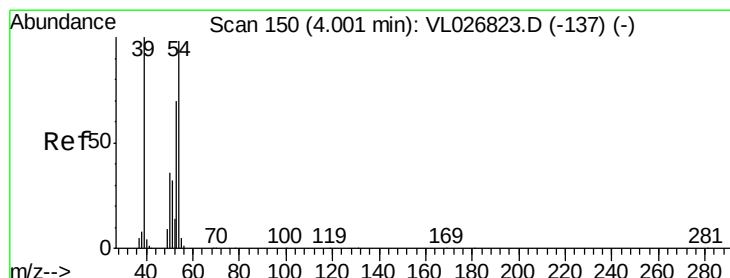
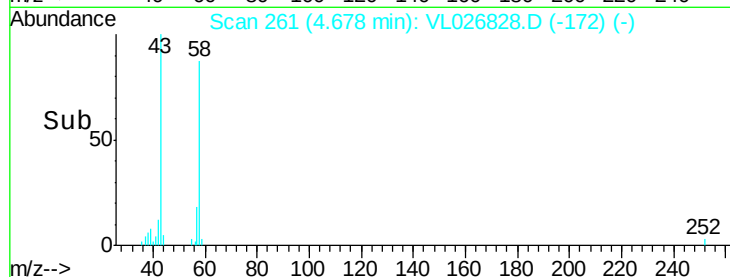
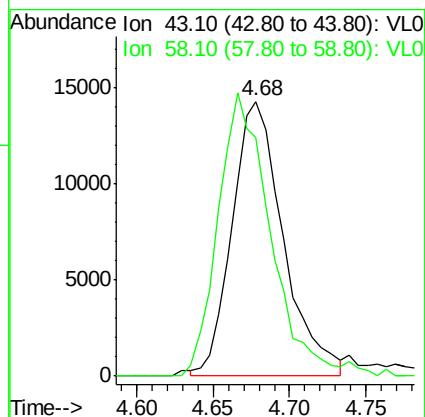
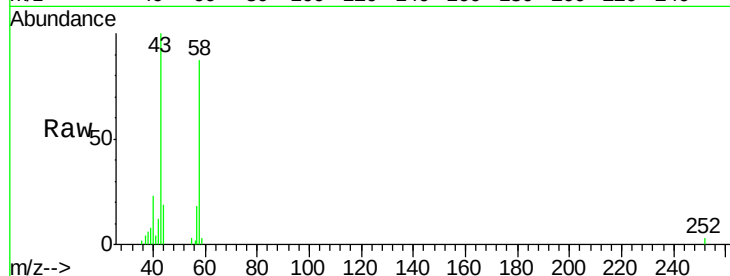
VSTDIC0.03

Tgt Ion: 43 Resp: 33231

Ion Ratio Lower Upper

43 100

58 105.6 25.2 37.8#



#16

1,3-Butadiene

Concen: 0.02 ppbv

RT: 4.00 min Scan# 149

Delta R.T. -0.01 min

Lab File: VL026828.D

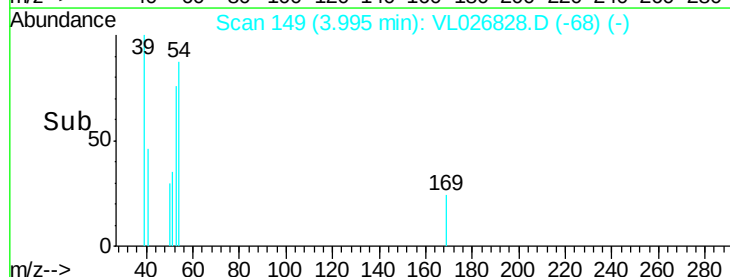
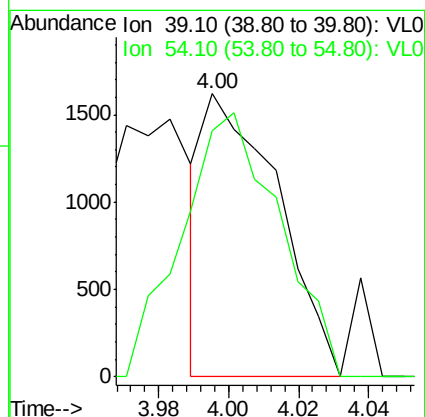
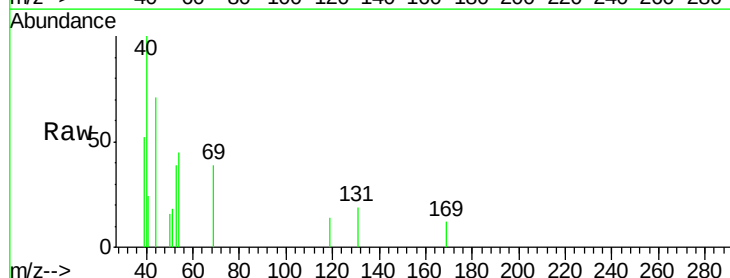
Acq: 9 Feb 2016 20:06

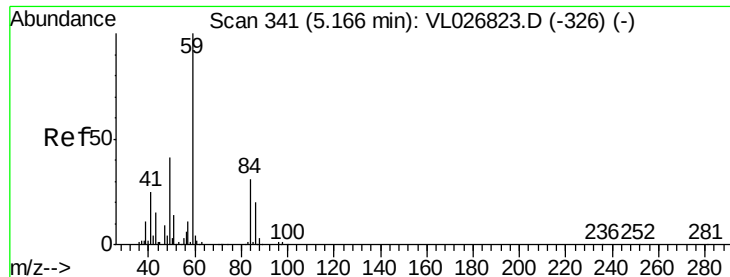
Tgt Ion: 39 Resp: 2373

Ion Ratio Lower Upper

39 100

54 124.2 74.7 112.1#





#17

tert-Butyl alcohol

Concen: 0.03 ppbv

RT: 5.22 min Scan# 350

Delta R.T. 0.05 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

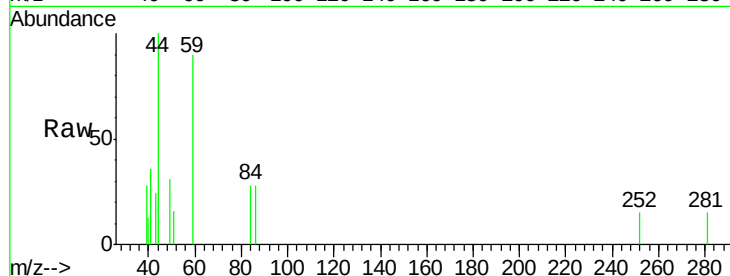
VSTDIC0.03

Tgt Ion: 59 Resp: 5860

Ion Ratio Lower Upper

59 100

57 2.2 8.5 12.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

5.22

2500

2000

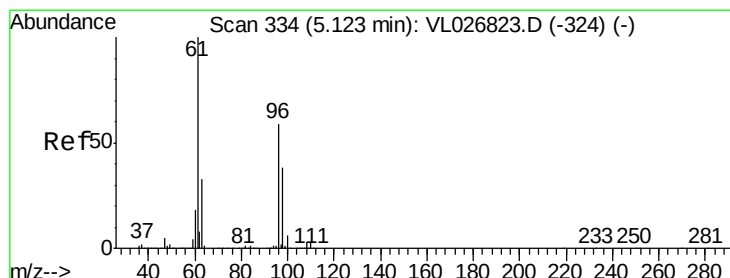
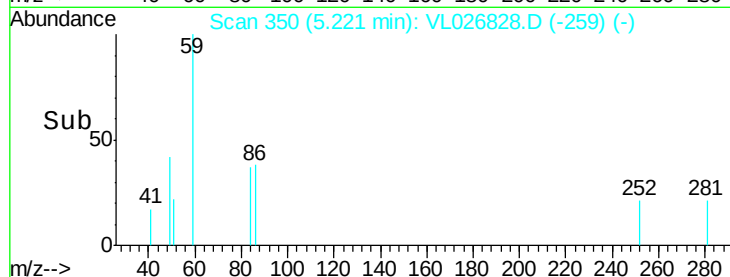
1500

1000

500

0

Time-->



#18

1,1-Dichloroethene

Concen: 0.04 ppbv

RT: 5.12 min Scan# 333

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

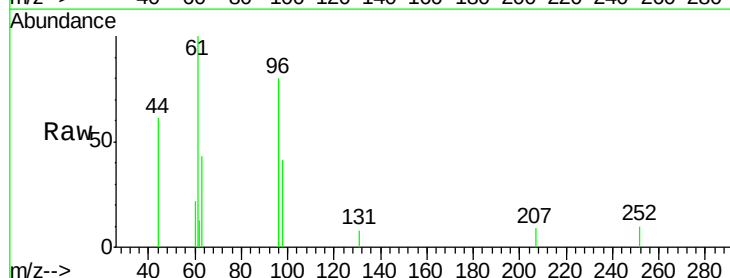
Tgt Ion: 96 Resp: 4901

Ion Ratio Lower Upper

96 100

61 124.5 136.7 205.1#

98 51.3 52.1 78.1#



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

5.12

5000

4000

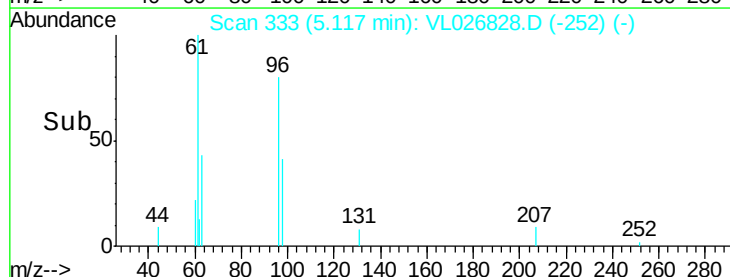
3000

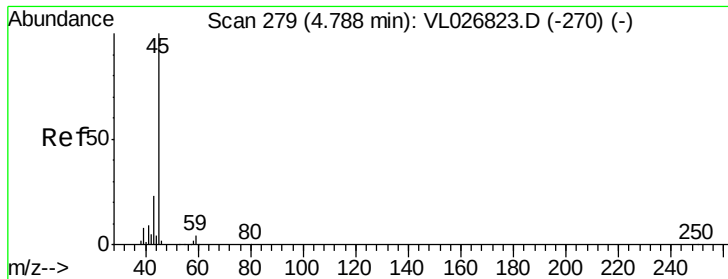
2000

1000

0

Time-->

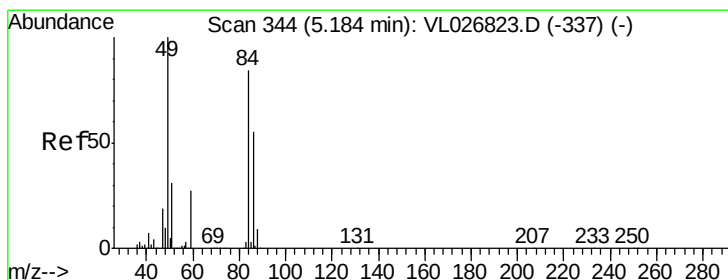
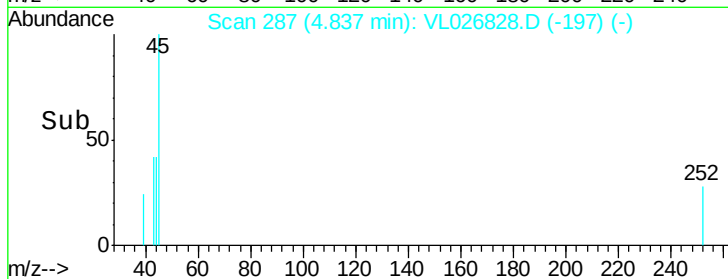
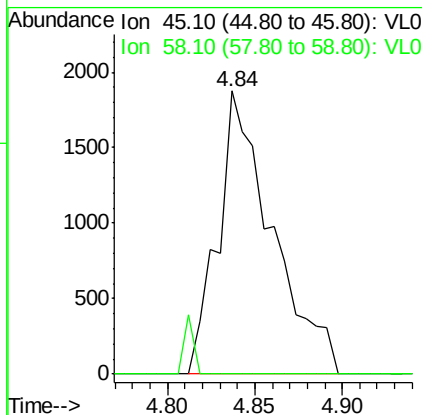
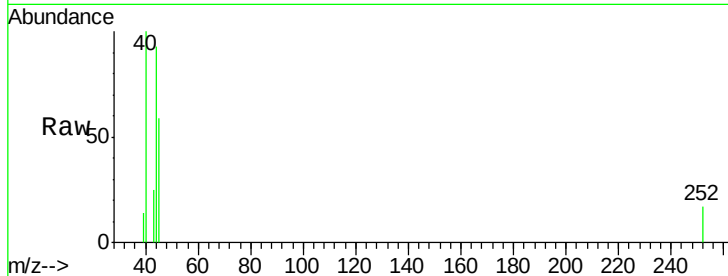




#19
Isopropyl Alcohol
Concen: 0.04 ppbv
RT: 4.84 min Scan# 287
Delta R.T. 0.05 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

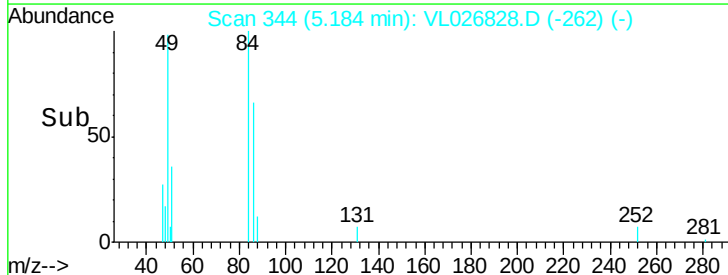
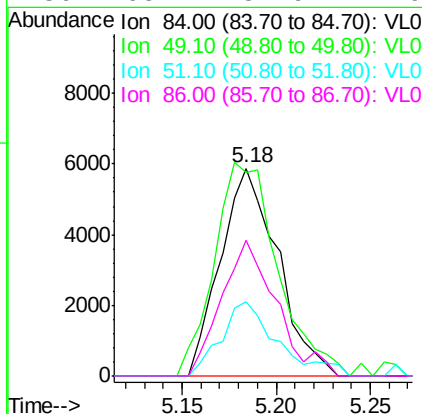
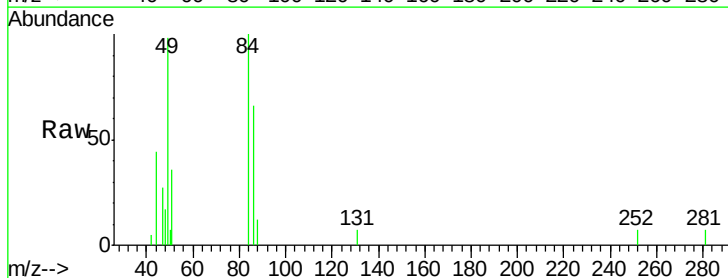
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

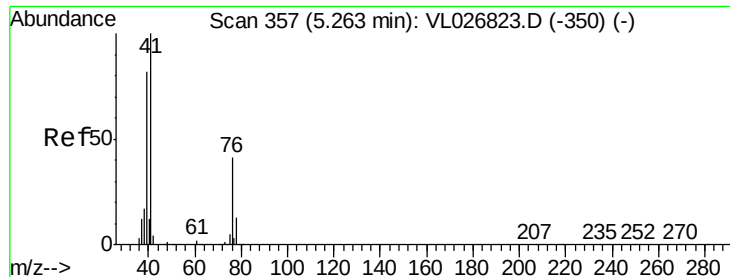
Tgt Ion: 45 Resp: 4040
Ion Ratio Lower Upper
45 100
58 868.6 2.2 3.2#



#20
Methylene Chloride
Concen: 0.10 ppbv
RT: 5.18 min Scan# 344
Delta R.T. -0.00 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion: 84 Resp: 12351
Ion Ratio Lower Upper
84 100
49 92.3 94.9 142.3#
51 36.0 29.5 44.3
86 65.7 51.9 77.9

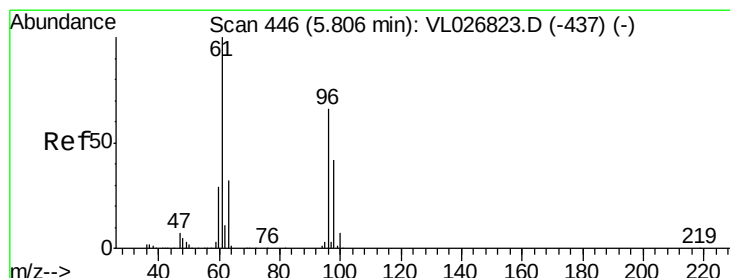
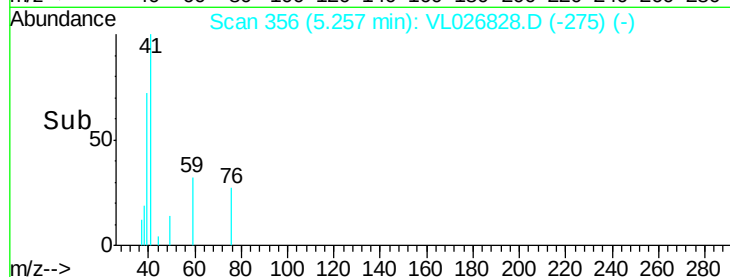
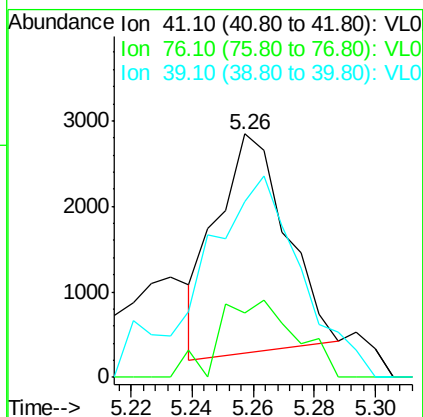
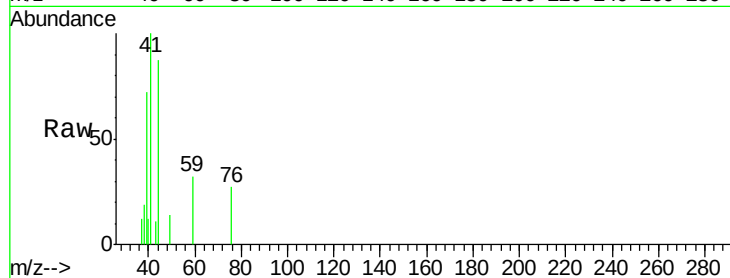




#21
 Allyl Chloride
 Concen: 0.03 ppbv
 RT: 5.26 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

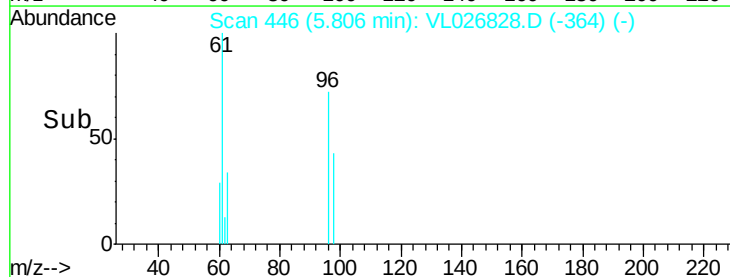
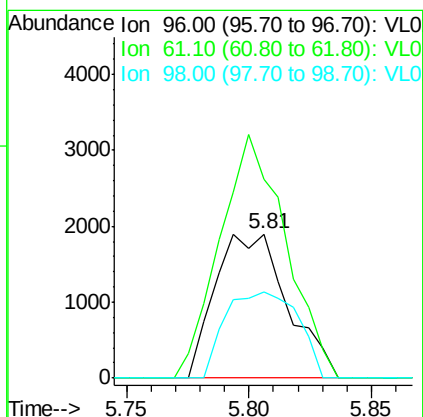
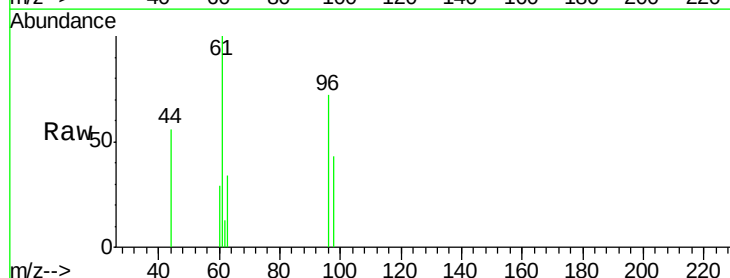
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

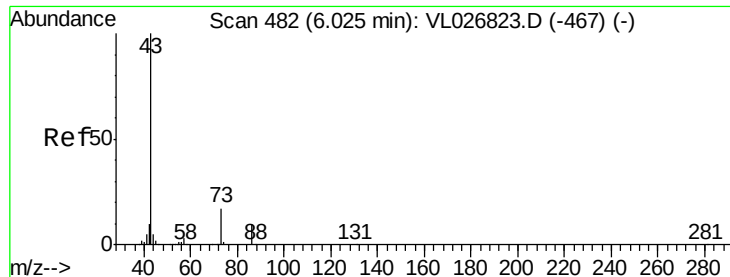
Tgt Ion: 41 Resp: 4038
 Ion Ratio Lower Upper
 41 100
 76 39.1 32.0 48.0
 39 136.2 64.6 96.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.03 ppbv
 RT: 5.81 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 96 Resp: 3890
 Ion Ratio Lower Upper
 96 100
 61 138.5 121.6 182.4
 98 59.5 50.6 76.0





#23

Vinyl Acetate

Concen: 0.02 ppbv

RT: 6.04 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 43 Resp: 10073

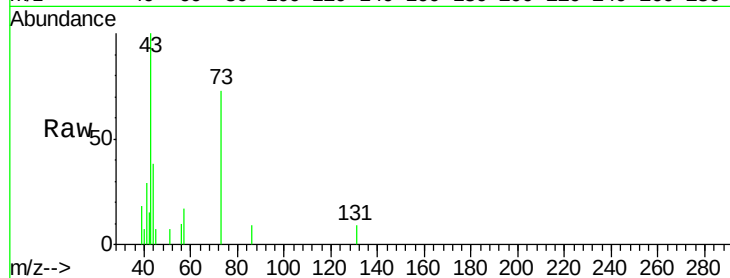
Ion Ratio Lower Upper

43 100

86 8.8 7.7 11.5

42 14.9 7.8 11.8#

44 0.0 3.9 5.9#

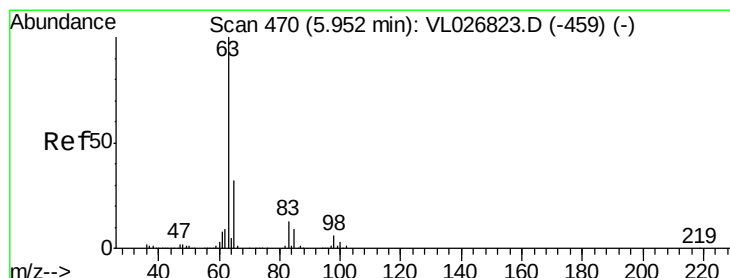
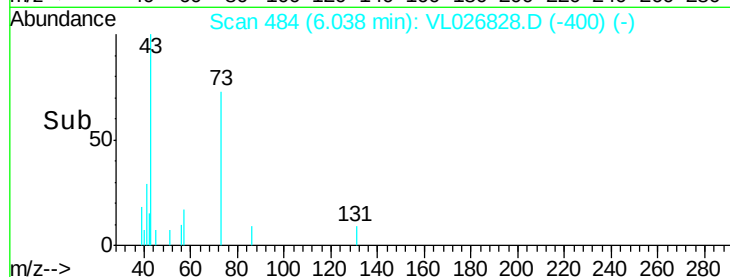
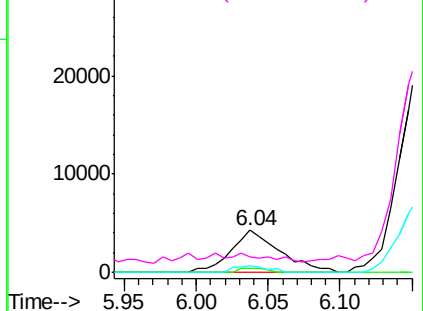


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.03 ppbv

RT: 5.95 min Scan# 469

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

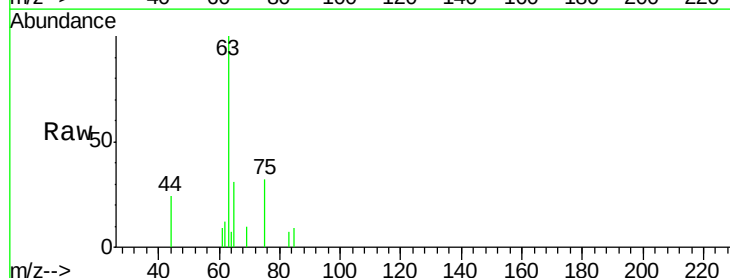
Tgt Ion: 63 Resp: 9098

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

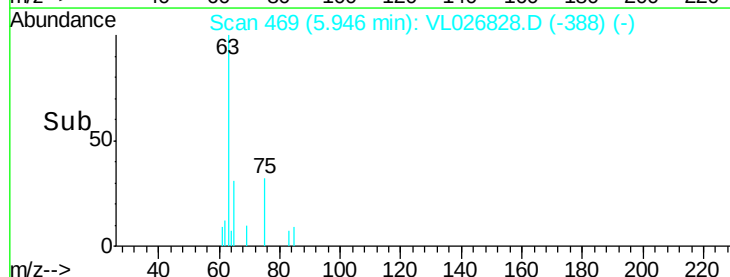
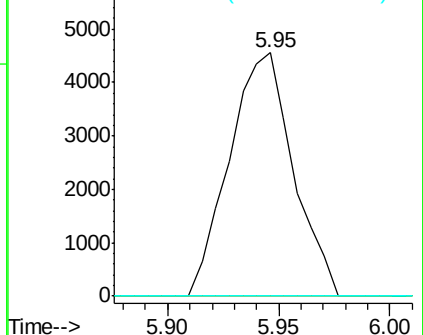
100 0.0 1.7 5.1#

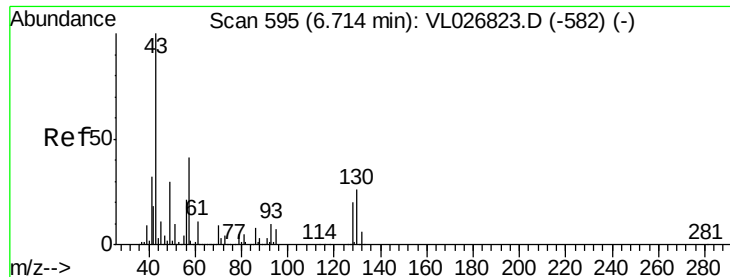


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

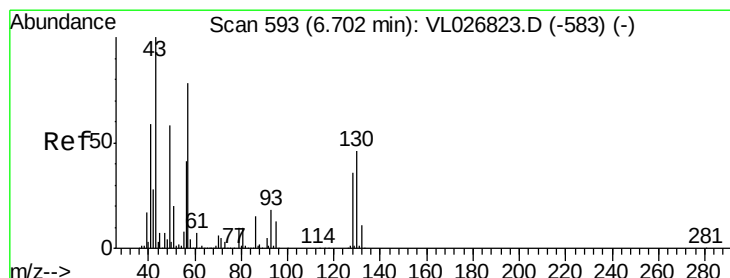
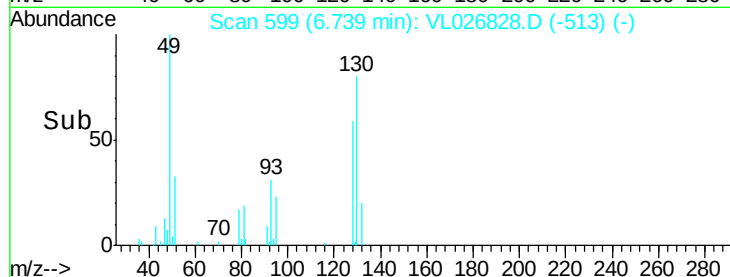
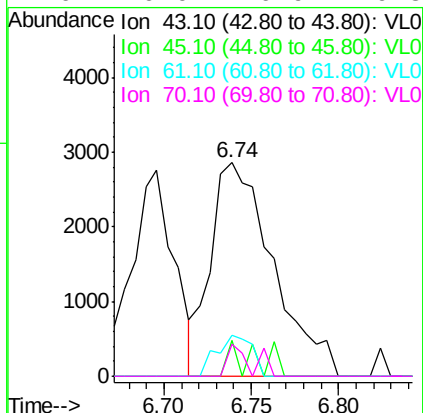
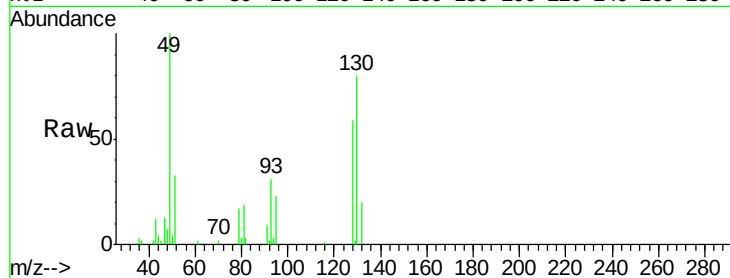




#25
Ethyl Acetate
Concen: 0.02 ppbv
RT: 6.74 min Scan# 599
Delta R.T. 0.02 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

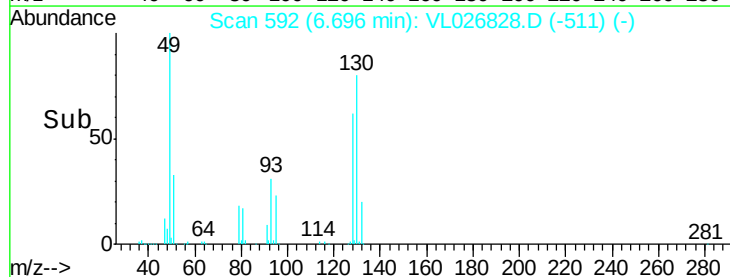
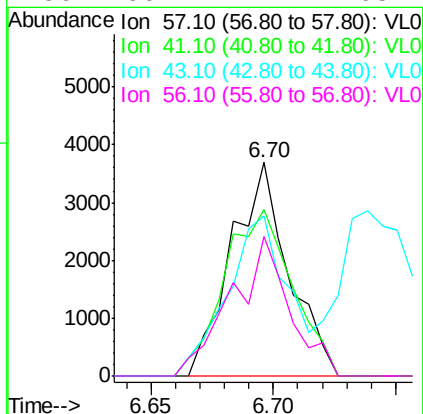
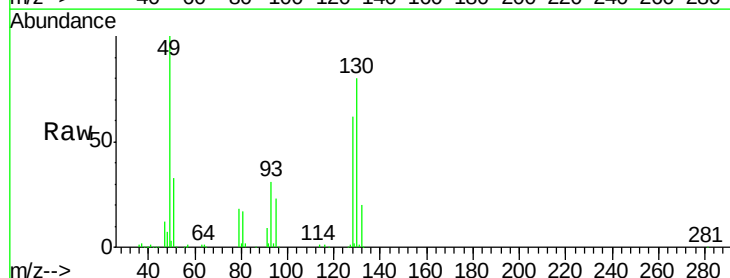
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

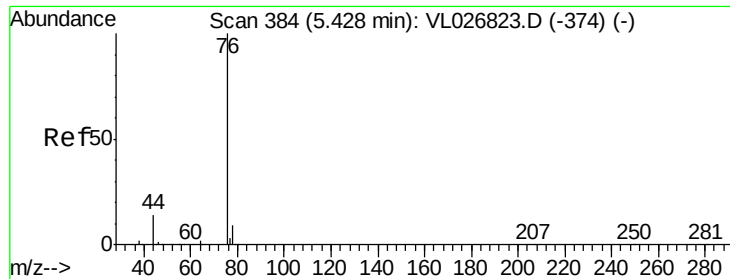
Tgt Ion:	43	Resp:	7116
Ion	Ratio	Lower	Upper
43	100		
45	7.0	7.8	11.8#
61	10.9	7.9	11.9
70	0.0	6.9	10.3#



#26
Hexane
Concen: 0.03 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion:	57	Resp:	6009
Ion	Ratio	Lower	Upper
57	100		
41	93.1	63.3	94.9
43	199.6	151.4	227.2
56	66.4	42.2	63.2#





#27

Carbon Disulfide

Concen: 0.03 ppbv

RT: 5.42 min Scan# 383

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

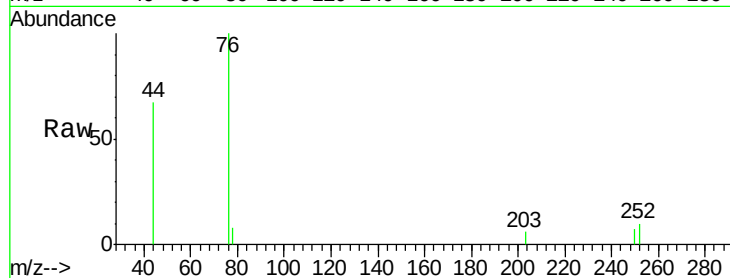
Tgt Ion: 76 Resp: 11098

Ion Ratio Lower Upper

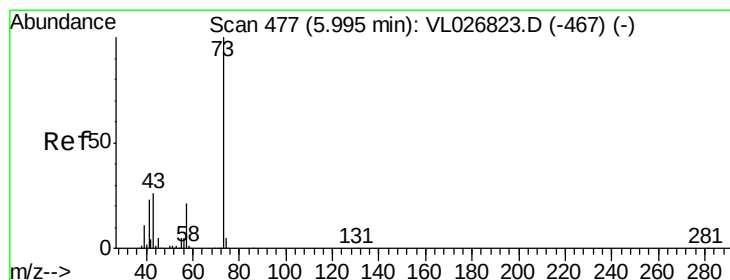
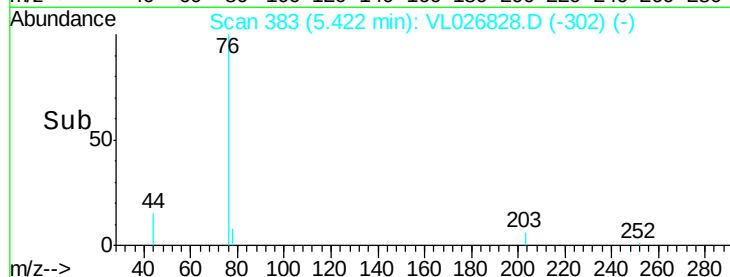
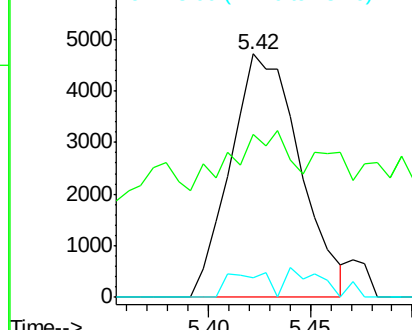
76 100

44 54.9 12.1 18.1#

78 5.7 7.7 11.5#



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: 0.02 ppbv

RT: 6.03 min Scan# 483

Delta R.T. 0.04 min

Lab File: VL026828.D

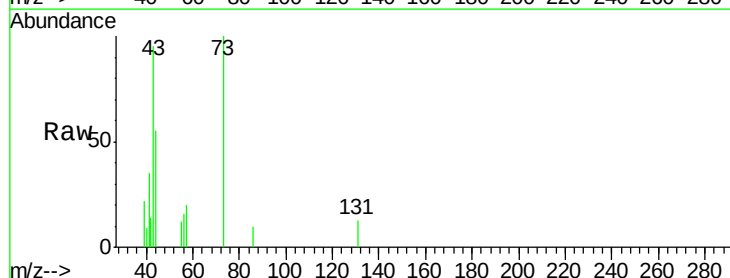
Acq: 9 Feb 2016 20:06

Tgt Ion: 73 Resp: 7152

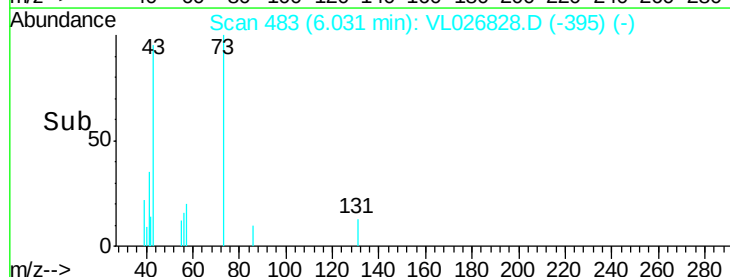
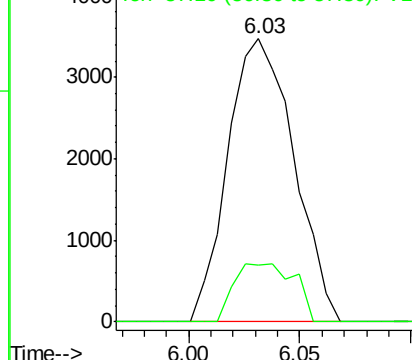
Ion Ratio Lower Upper

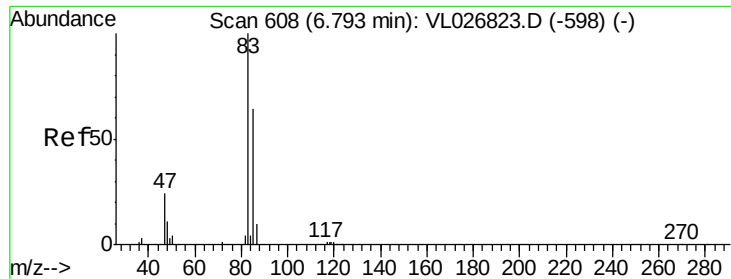
73 100

57 18.7 17.0 25.6



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

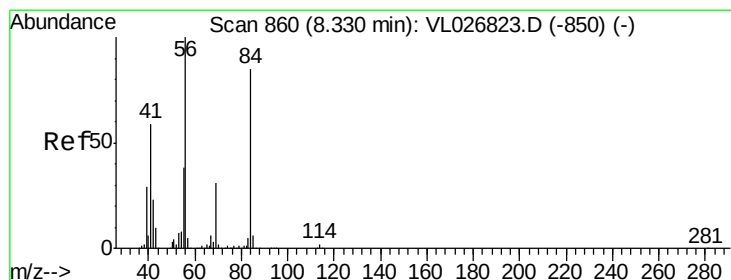
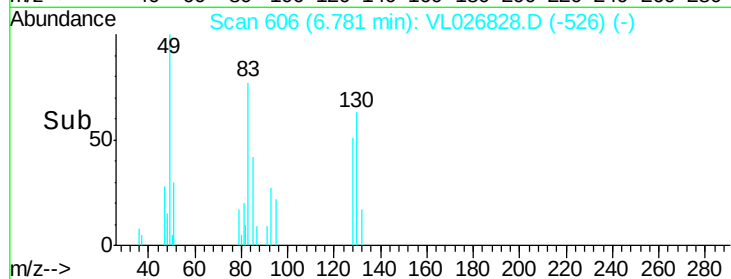
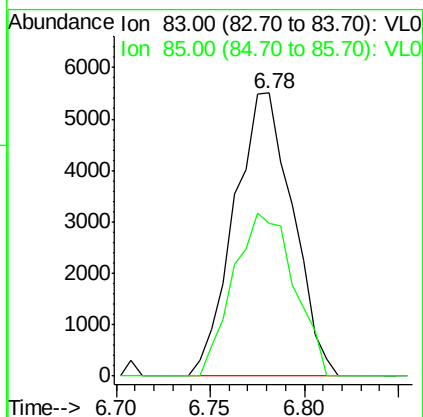
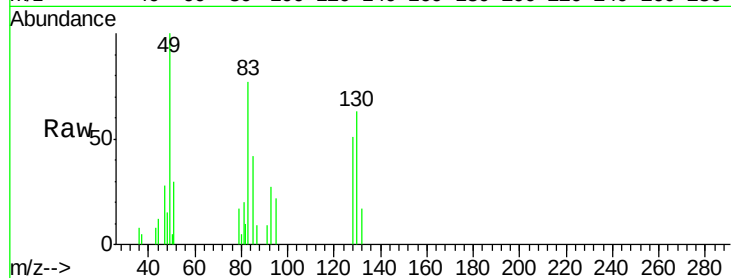




#29
Chloroform
Concen: 0.03 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

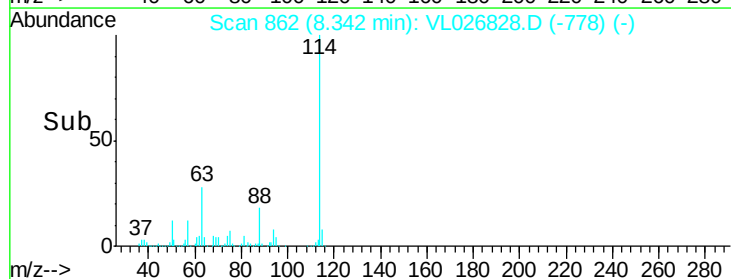
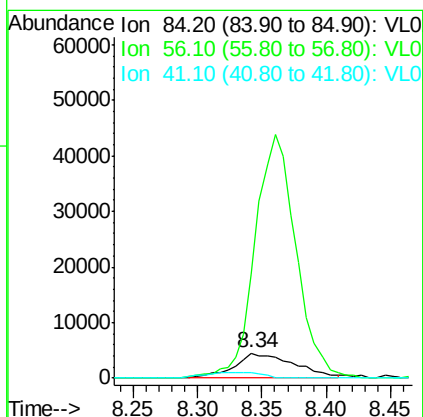
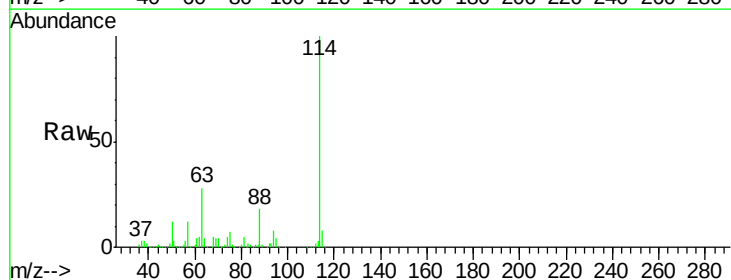
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

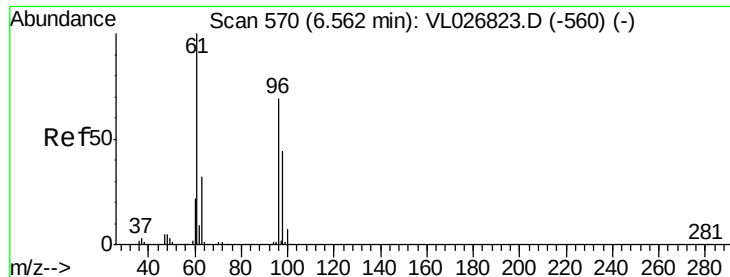
Tgt Ion: 83 Resp: 11860
Ion Ratio Lower Upper
83 100
85 54.1 51.5 77.3



#30
Cyclohexane
Concen: 0.08 ppbv
RT: 8.34 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion: 84 Resp: 14595
Ion Ratio Lower Upper
84 100
56 664.9 99.4 149.2#
41 20.1 56.7 85.1#





#31

cis-1,2-Dichloroethene

Concen: 0.02 ppbv

RT: 6.54 min Scan# 567

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

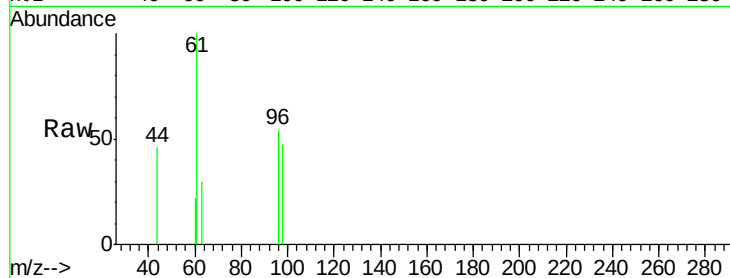
Tgt Ion: 61 Resp: 4133

Ion Ratio Lower Upper

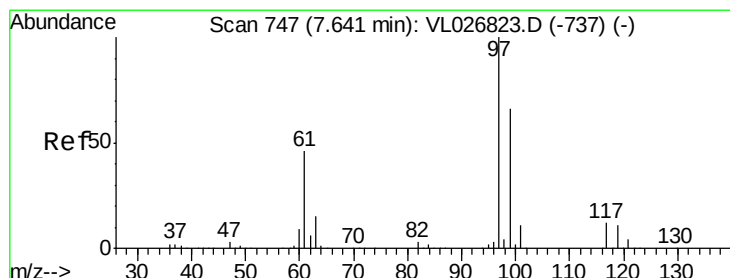
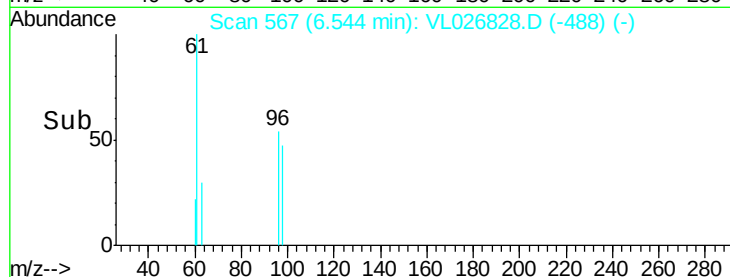
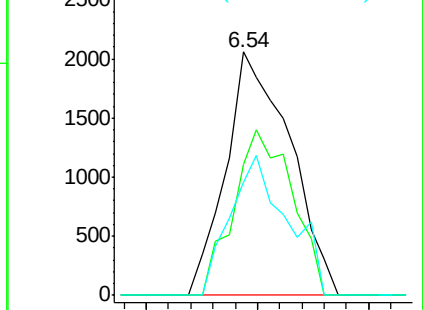
61 100

96 53.8 55.2 82.8#

98 46.6 35.2 52.8



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: 0.02 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

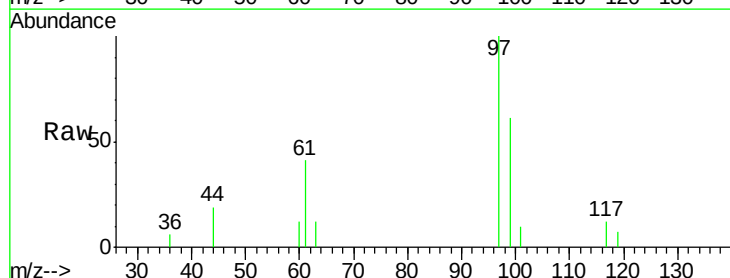
Tgt Ion: 97 Resp: 10071

Ion Ratio Lower Upper

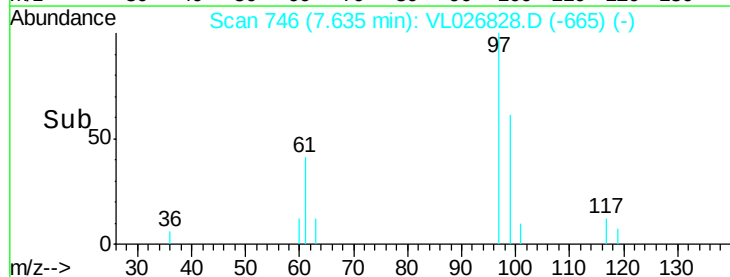
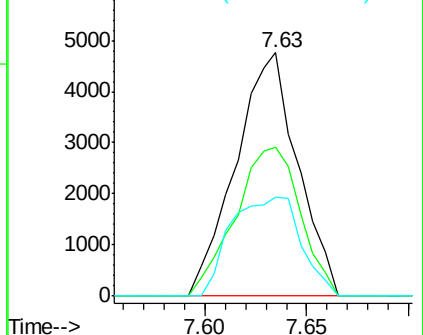
97 100

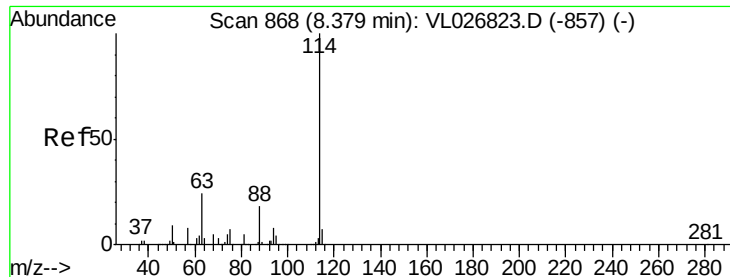
99 63.9 52.0 78.0

61 45.8 36.2 54.4



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

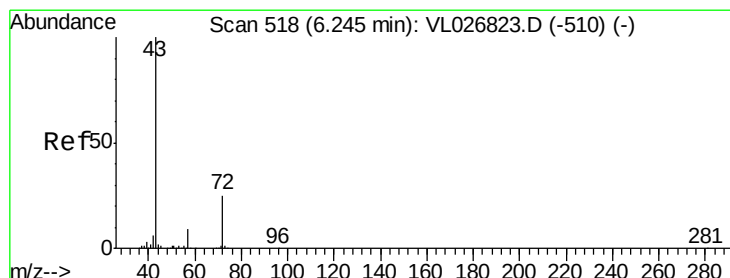
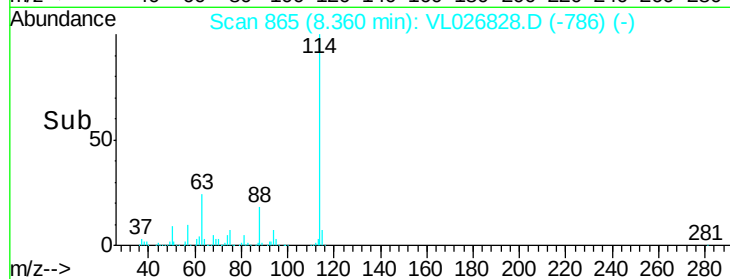
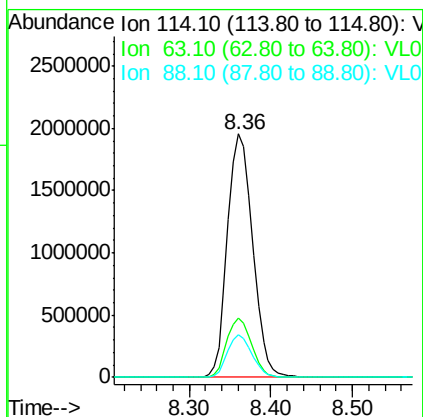
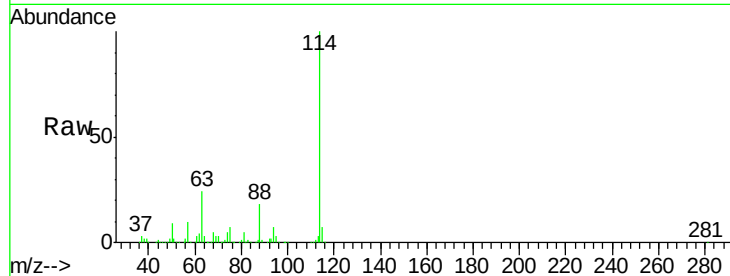




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.36 min Scan# 865
 Delta R.T. -0.02 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

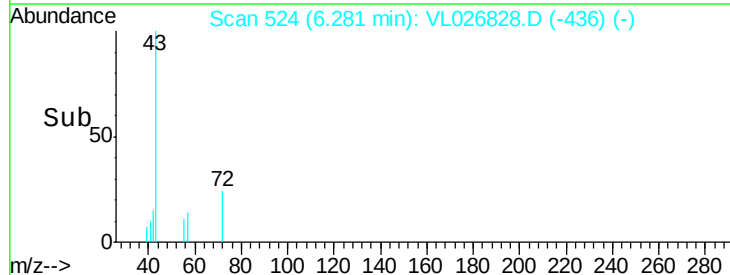
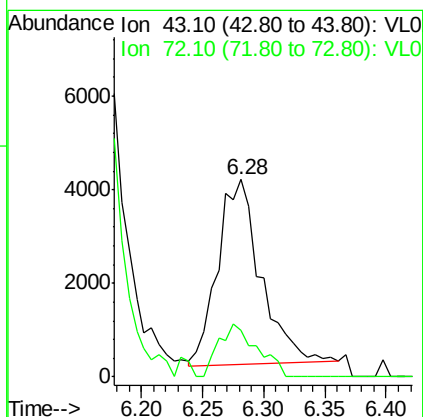
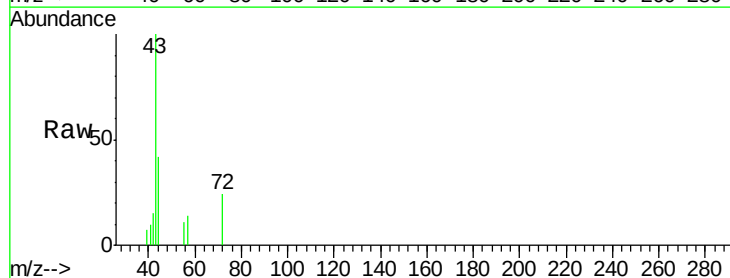
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

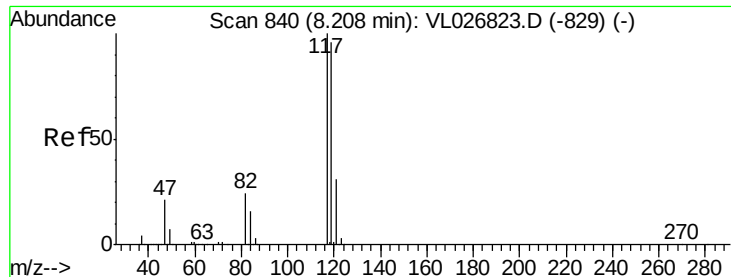
Tgt Ion:114 Resp: 4183284
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.7 29.5
 88 17.2 13.8 20.6



#34
 2-Butanone
 Concen: 0.05 ppbv
 RT: 6.28 min Scan# 524
 Delta R.T. 0.04 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 43 Resp: 9737
 Ion Ratio Lower Upper
 43 100
 72 25.3 19.8 29.8





#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 8.20 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

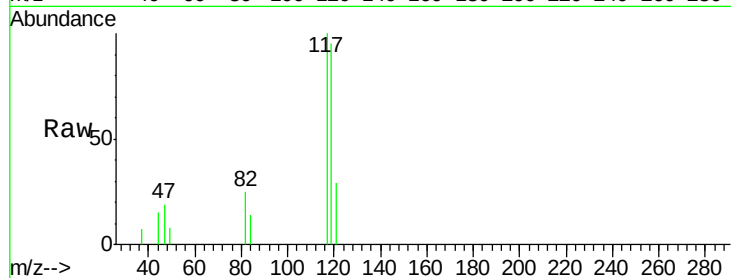
Tgt Ion: 117 Resp: 10649

Ion Ratio Lower Upper

117 100

119 94.9 76.6 115.0

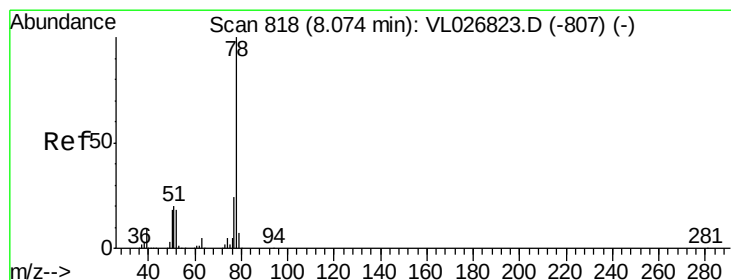
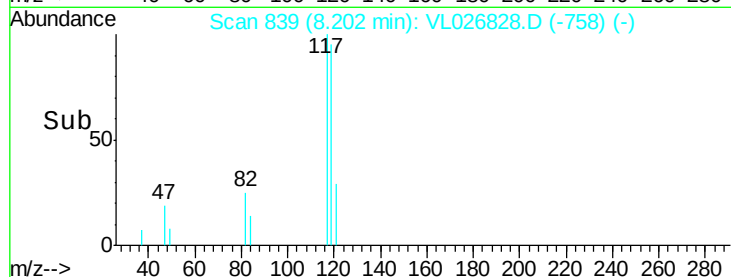
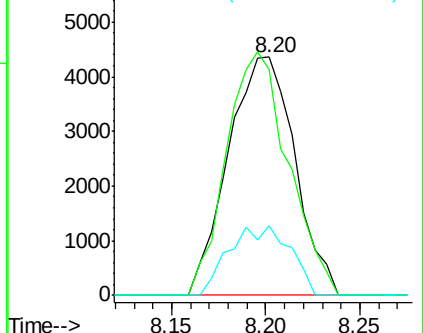
121 29.4 25.0 37.4



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: 0.01 ppbv

RT: 8.05 min Scan# 814

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

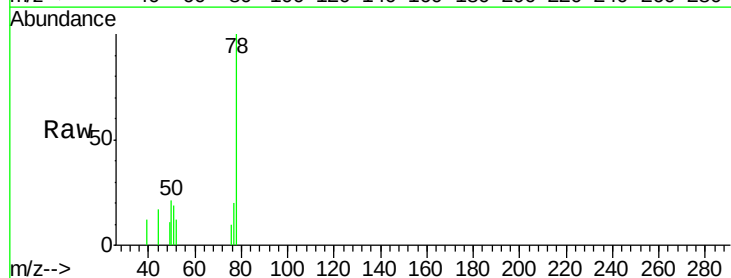
Tgt Ion: 78 Resp: 4380

Ion Ratio Lower Upper

78 100

77 19.8 19.0 28.6

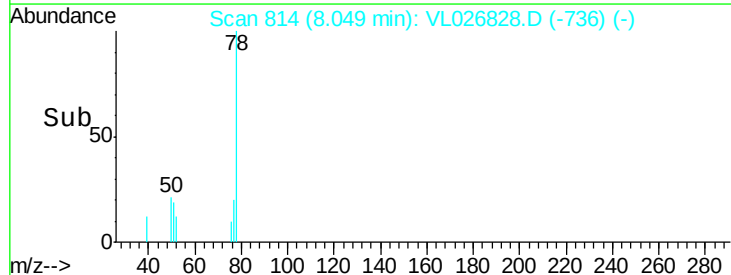
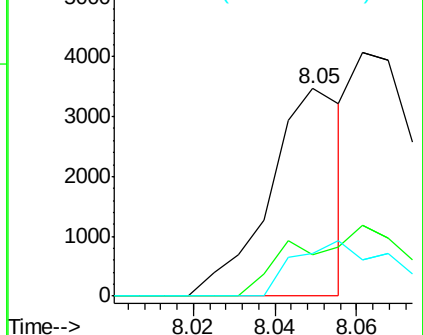
50 20.7 14.2 21.4

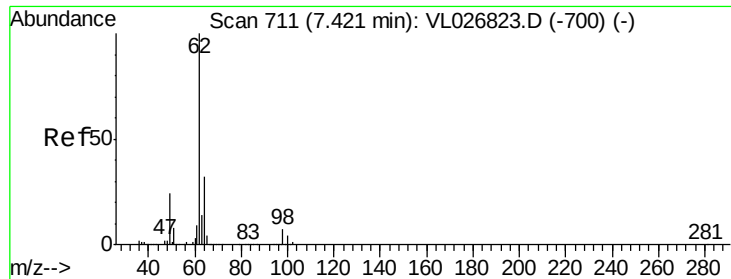


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

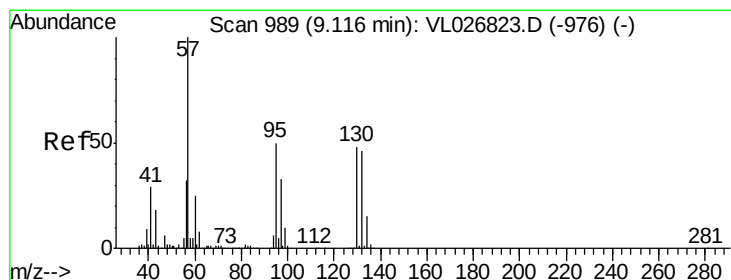
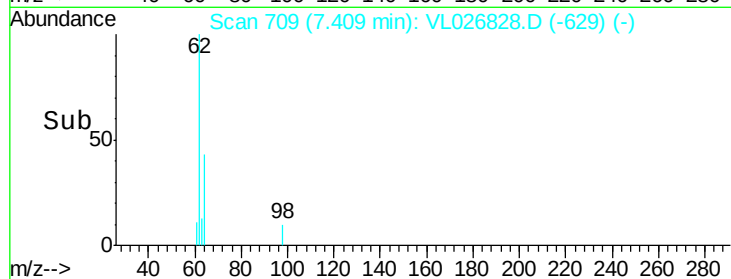
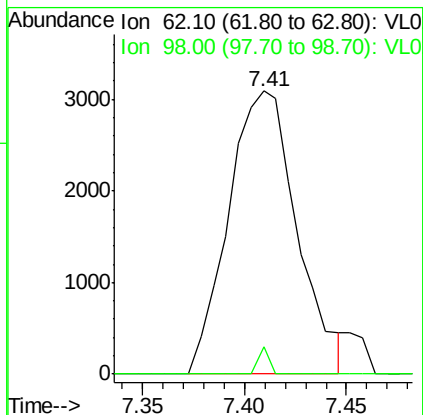
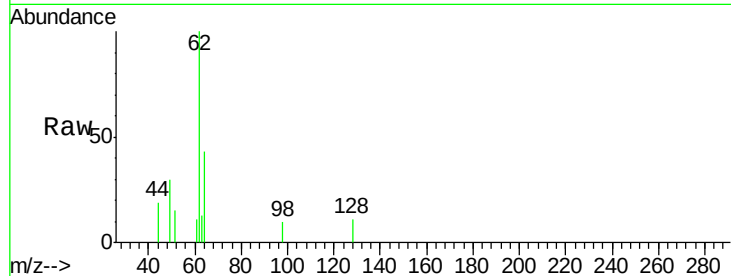




#37
1,2-Dichloroethane
Concen: 0.02 ppbv
RT: 7.41 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

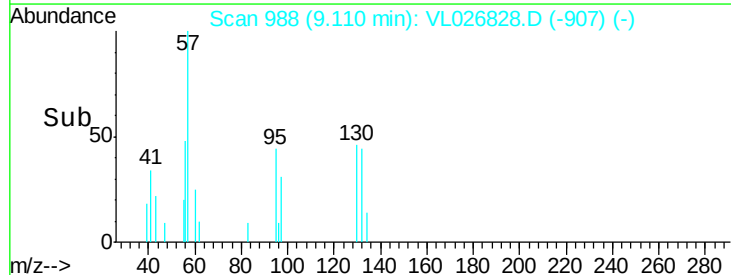
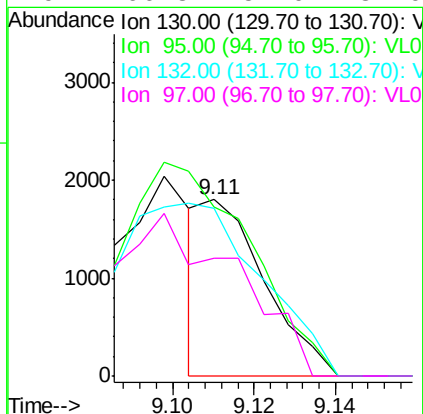
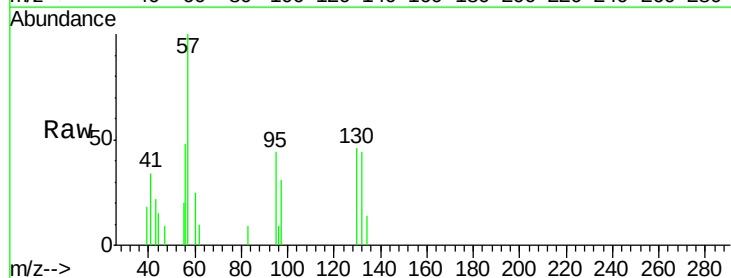
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

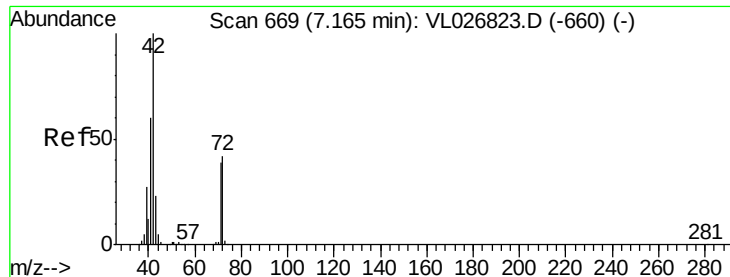
Tgt Ion: 62 Resp: 7202
Ion Ratio Lower Upper
62 100
98 0.0 5.4 8.2#



#38
Trichloroethene
Concen: 0.01 ppbv
RT: 9.11 min Scan# 988
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion: 130 Resp: 1894
Ion Ratio Lower Upper
130 100
95 95.8 83.0 124.6
132 95.2 76.0 114.0
97 66.8 54.0 81.0





#41

Tetrahydrofuran

Concen: 0.02 ppbv

RT: 7.23 min Scan# 679

Delta R.T. 0.06 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

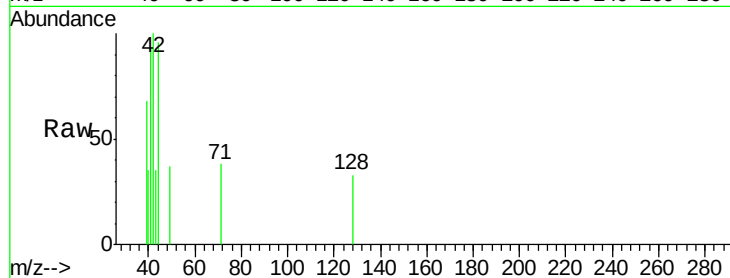
Tgt Ion: 42 Resp: 1449

Ion Ratio Lower Upper

42 100

72 31.3 33.4 50.0#

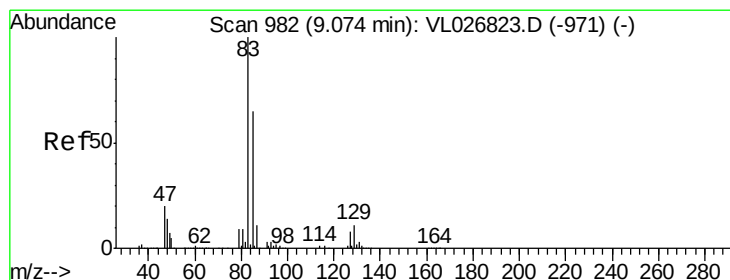
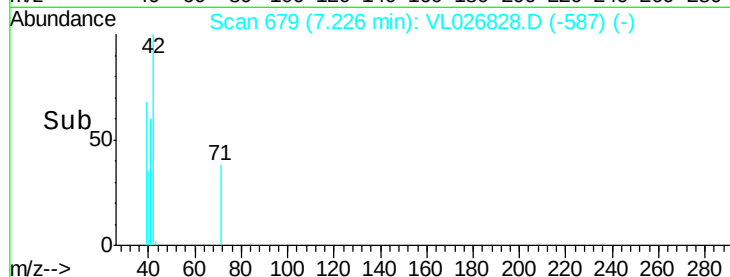
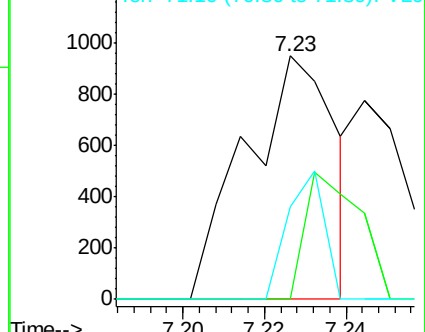
71 0.0 32.1 48.1#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.02 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

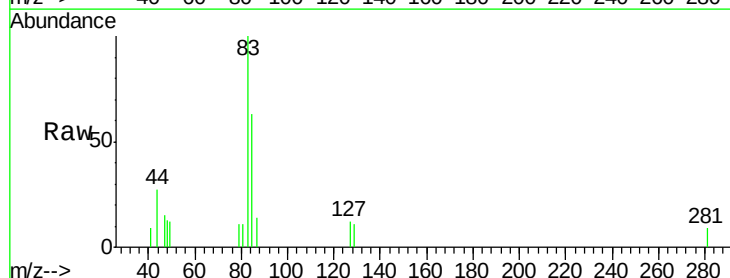
Tgt Ion: 83 Resp: 9299

Ion Ratio Lower Upper

83 100

85 63.4 51.8 77.6

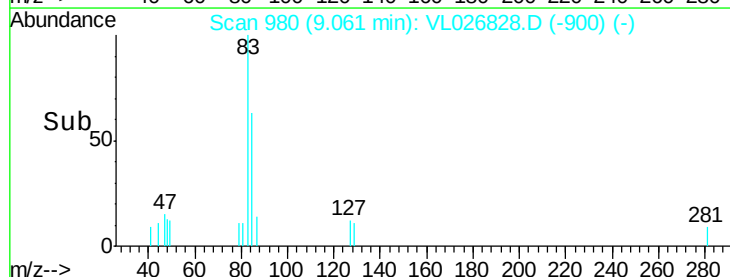
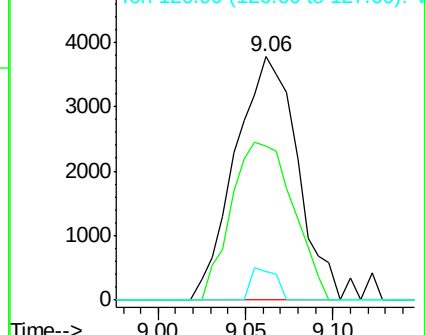
127 11.8 6.4 9.6#

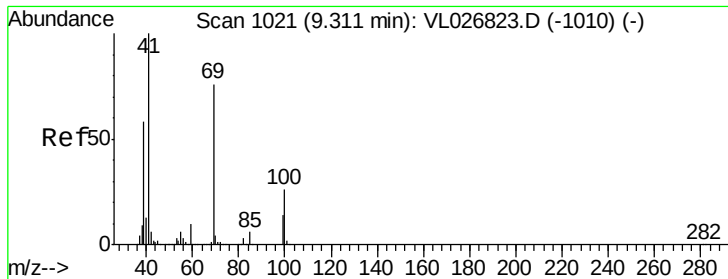


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.01 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. 0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

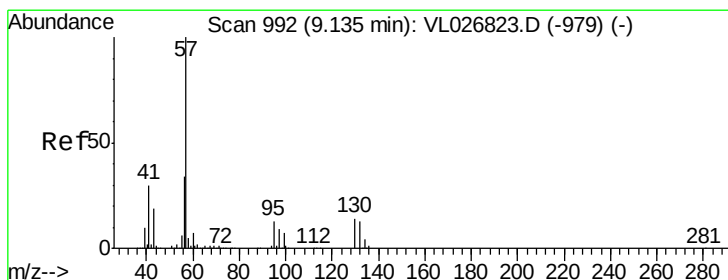
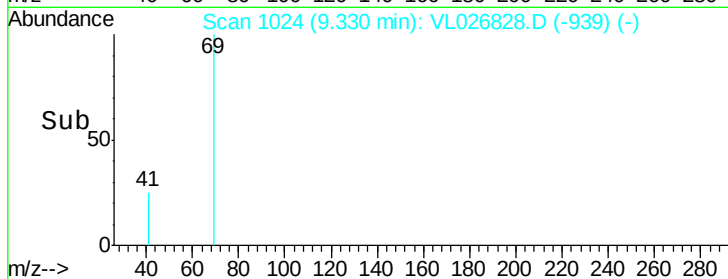
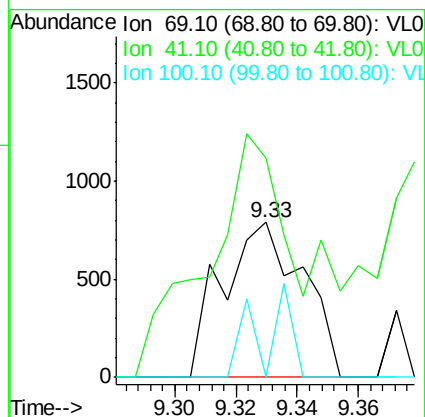
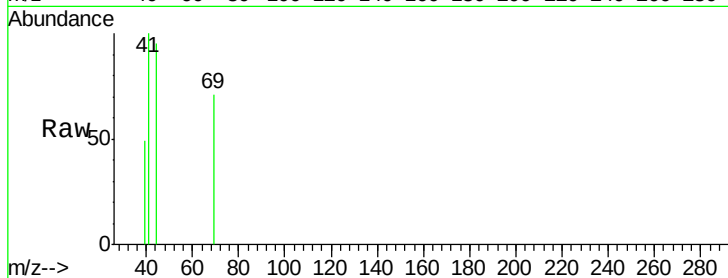
Tgt Ion: 69 Resp: 1446

Ion Ratio Lower Upper

69 100

41 152.7 106.5 159.7

100 22.3 27.2 40.8#



#44

2,2,4-Trimethylpentane

Concen: 0.02 ppbv

RT: 9.12 min Scan# 990

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

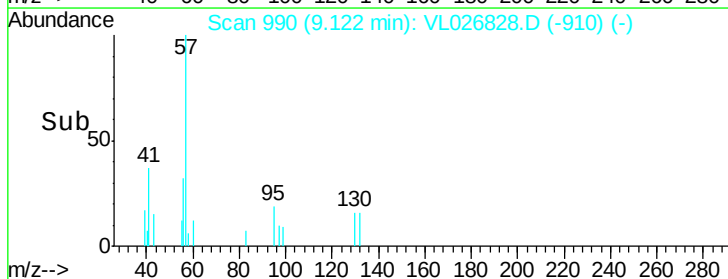
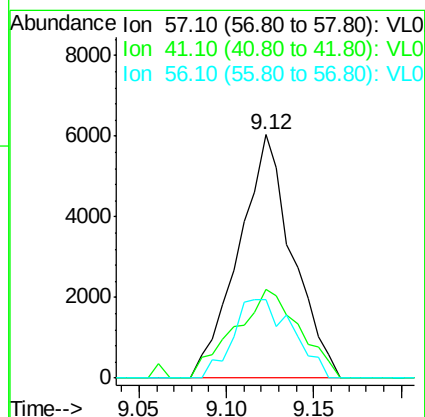
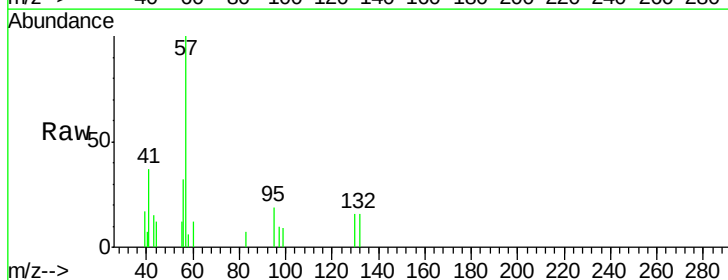
Tgt Ion: 57 Resp: 12948

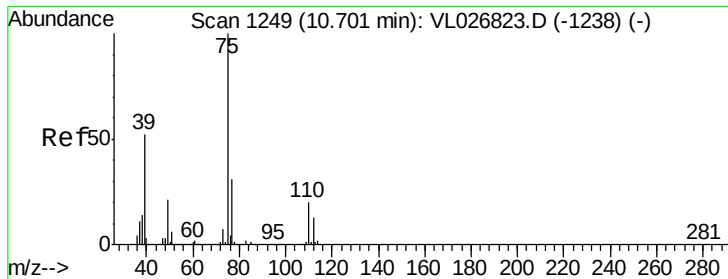
Ion Ratio Lower Upper

57 100

41 44.6 23.2 34.8#

56 35.5 26.2 39.4





#45

t-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 10.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

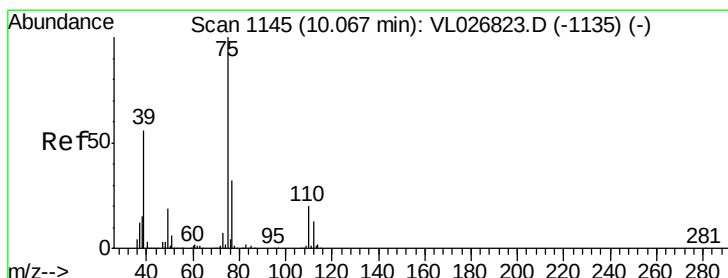
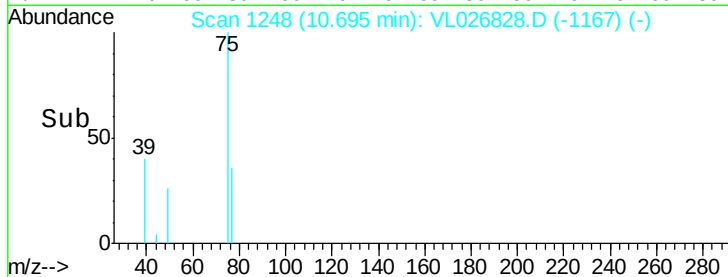
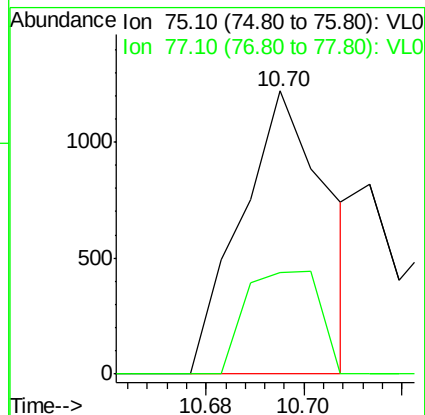
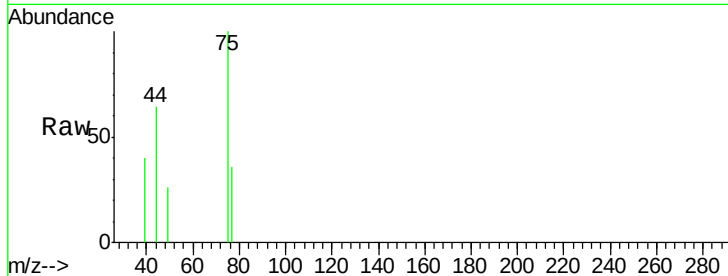
VSTDIC0.03

Tgt Ion: 75 Resp: 1495

Ion Ratio Lower Upper

75 100

77 35.7 25.0 37.6



#46

cis-1,3-Dichloropropene

Concen: 0.01 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

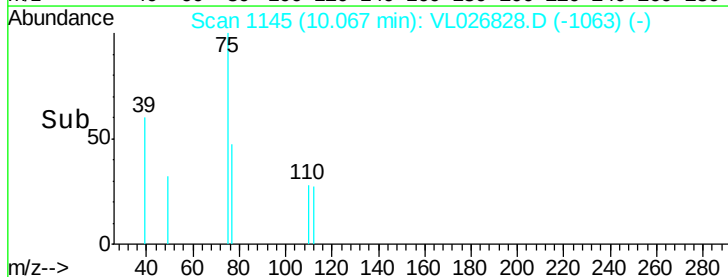
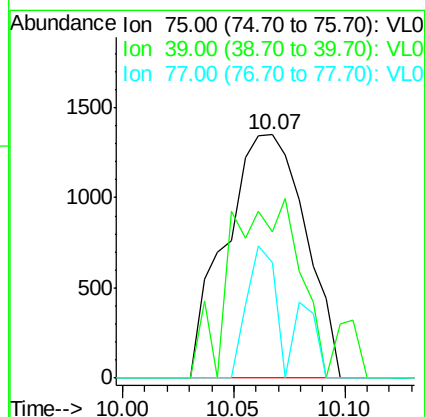
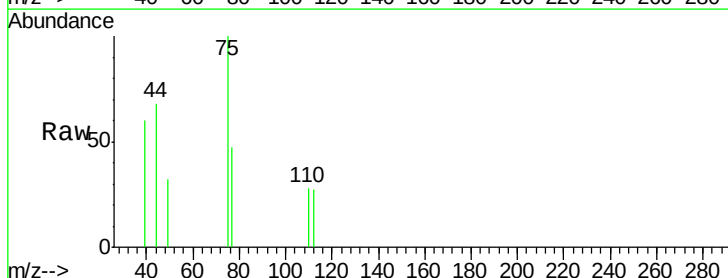
Tgt Ion: 75 Resp: 3372

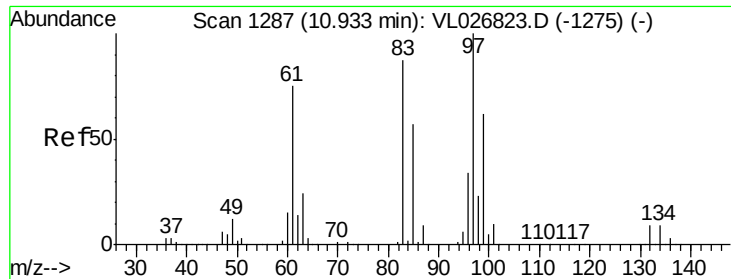
Ion Ratio Lower Upper

75 100

39 60.1 45.0 67.6

77 47.2 25.2 37.8#



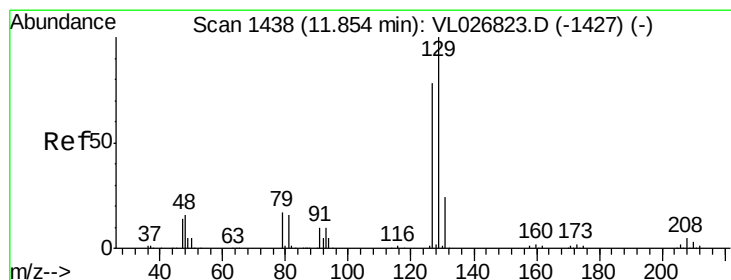
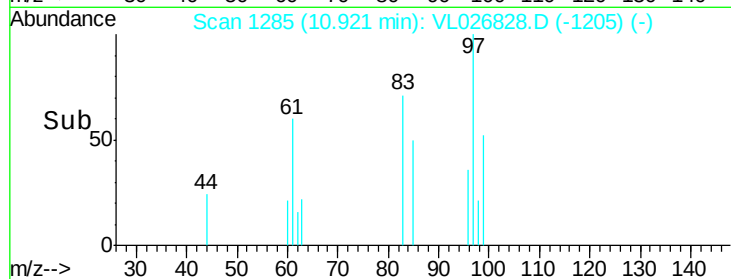
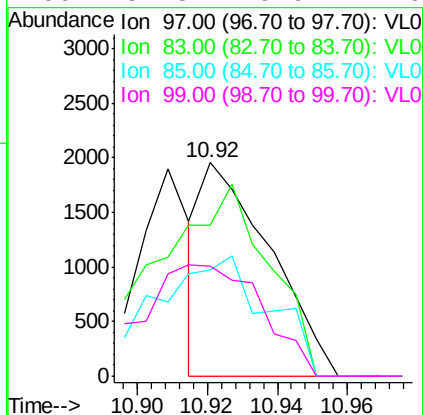
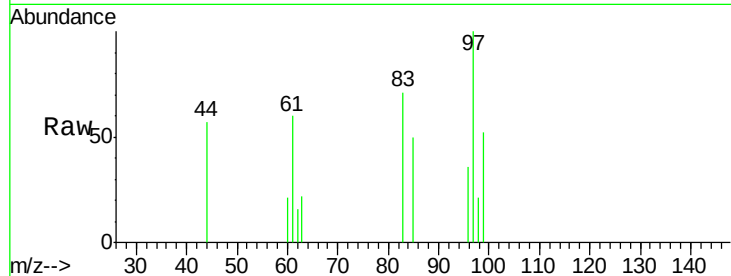


#47
 1,1,2-Trichloroethane
 Concen: 0.01 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion: 97 Resp: 2654

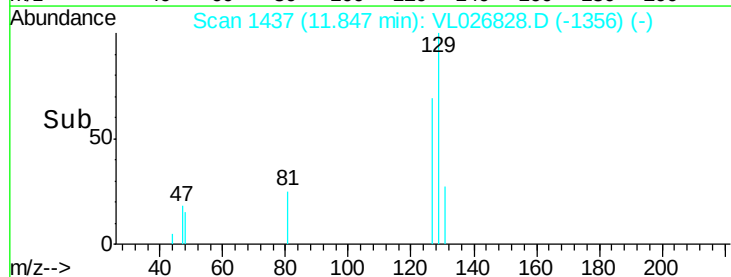
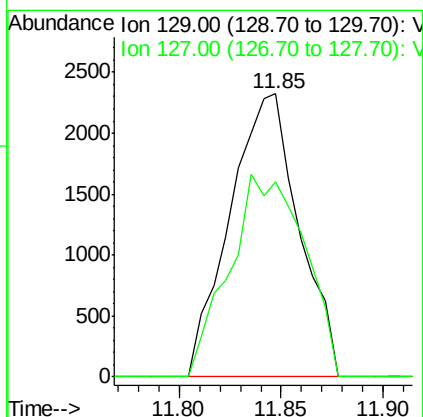
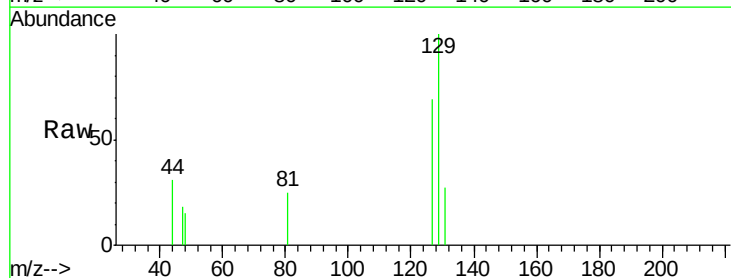
Ion	Ratio	Lower	Upper
97	100		
83	70.5	69.7	104.5
85	49.8	45.3	67.9
99	51.8	49.9	74.9

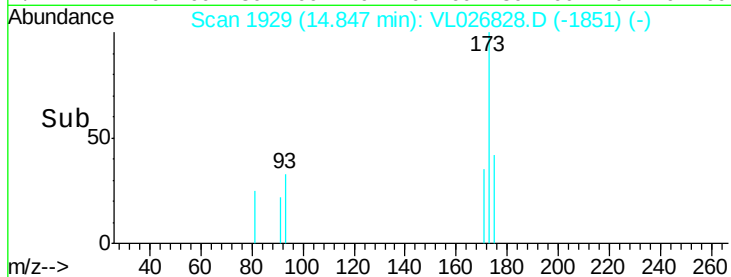
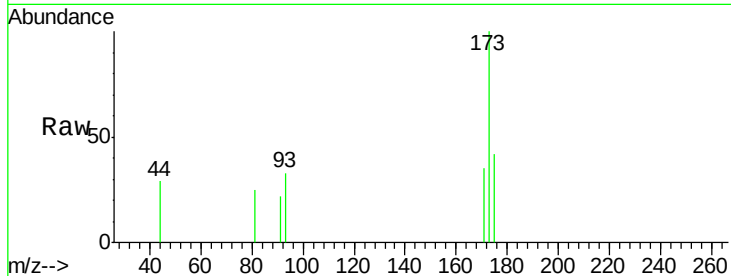
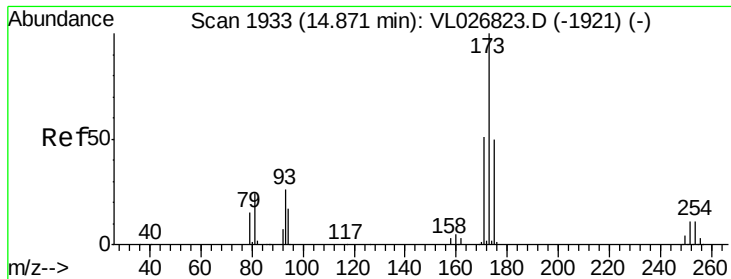


#48
 Dibromochloromethane
 Concen: 0.02 ppbv
 RT: 11.85 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 129 Resp: 5472

Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.6	119.0





#49

Bromoform

Concen: 0.01 ppbv

RT: 14.85 min Scan# 1929

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

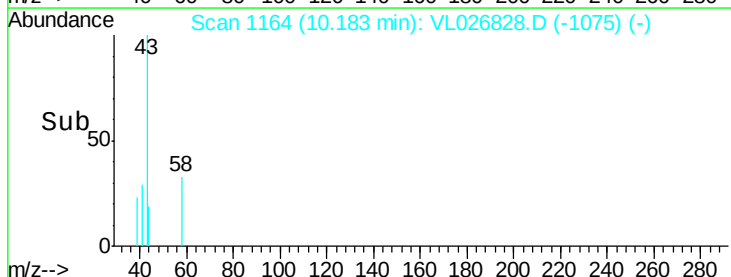
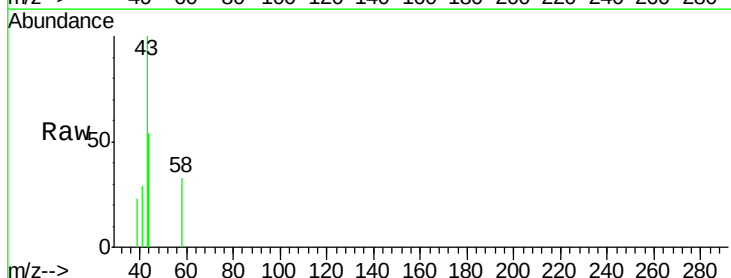
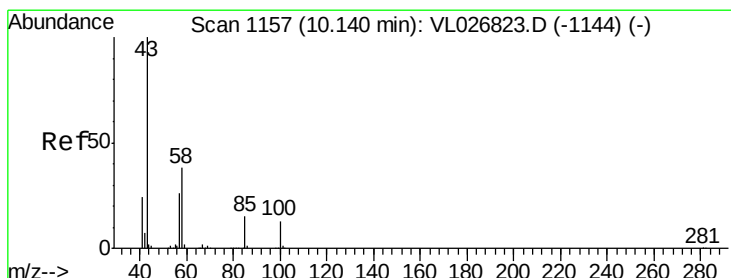
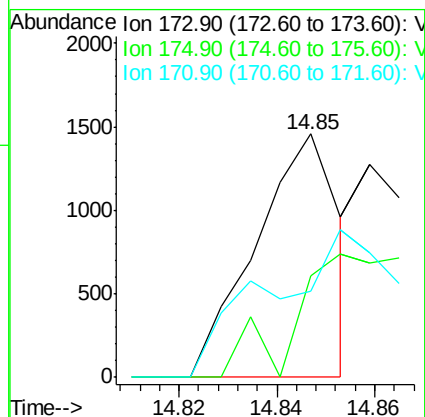
Tgt Ion:173 Resp: 1720

Ion Ratio Lower Upper

173 100

175 0.0 39.2 58.8#

171 0.0 41.4 62.0#



#50

4-Methyl-2-Pentanone

Concen: 0.02 ppbv

RT: 10.18 min Scan# 1164

Delta R.T. 0.04 min

Lab File: VL026828.D

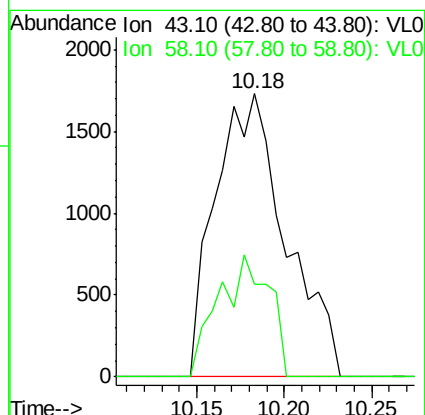
Acq: 9 Feb 2016 20:06

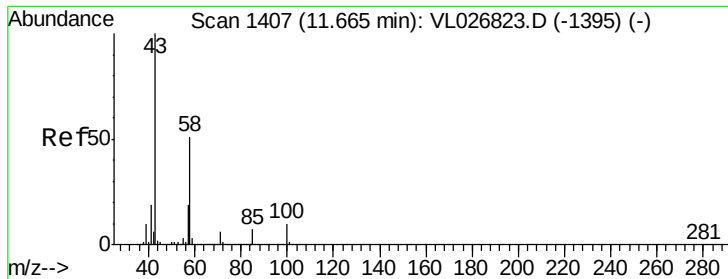
Tgt Ion: 43 Resp: 4849

Ion Ratio Lower Upper

43 100

58 31.2 30.3 45.5





#51

2-Hexanone

Concen: 0.01 ppbv

RT: 11.71 min Scan# 1414

Delta R.T. 0.04 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

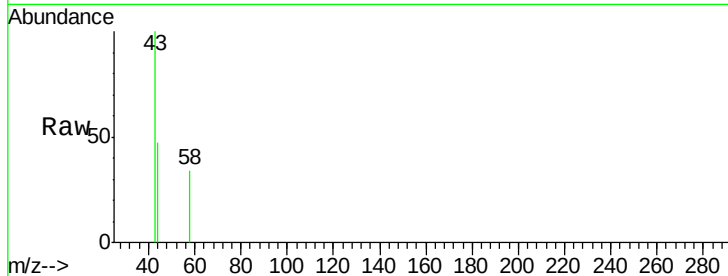
Tgt Ion: 43 Resp: 1736

Ion Ratio Lower Upper

43 100

58 59.1 40.4 60.6

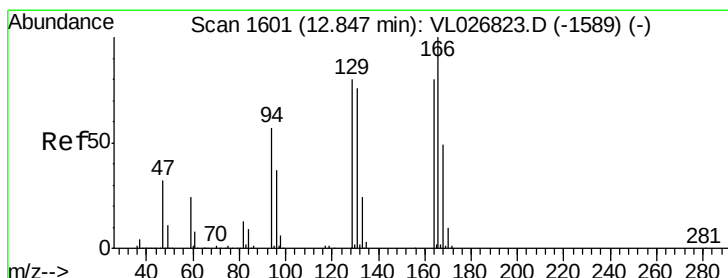
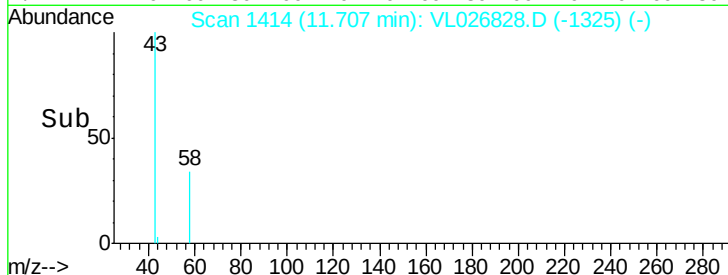
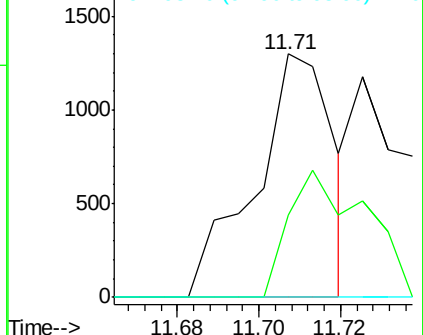
98 0.0 0.2 0.4#



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: 0.02 ppbv

RT: 12.85 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Tgt Ion: 164 Resp: 3817

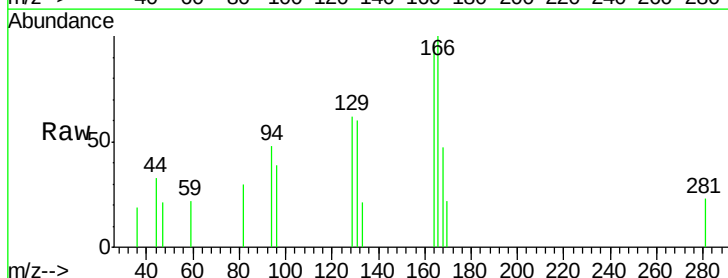
Ion Ratio Lower Upper

164 100

166 104.3 100.3 150.5

129 65.1 80.0 120.0#

131 62.6 76.7 115.1#

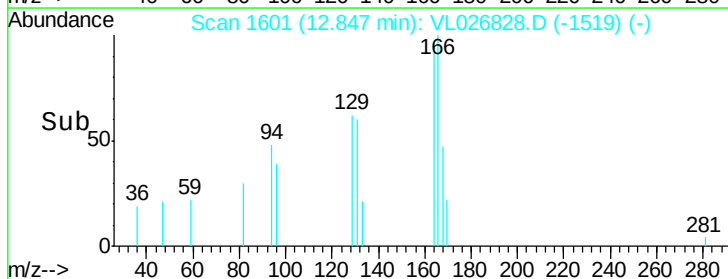
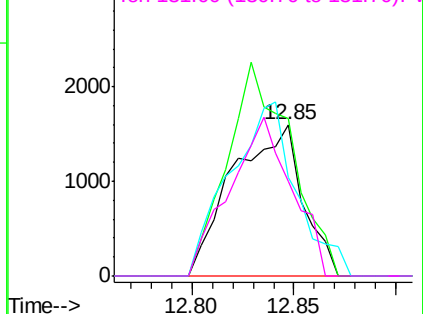


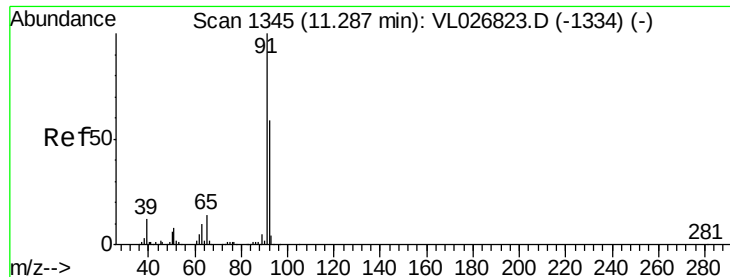
Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.01 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

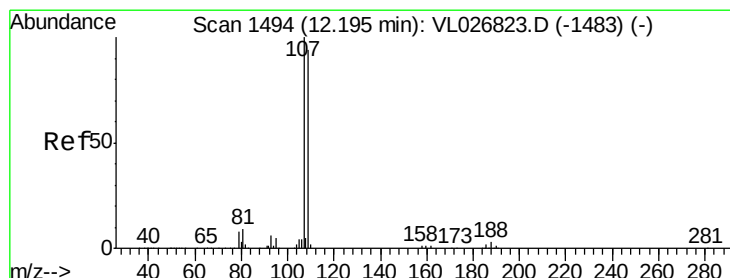
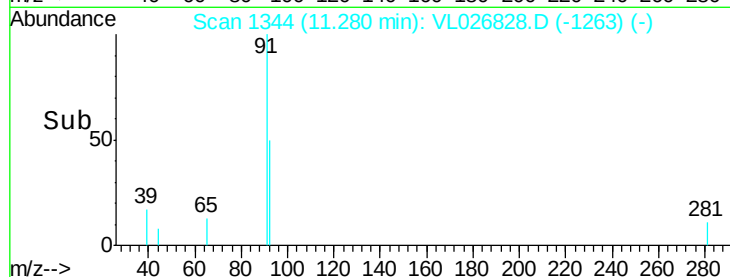
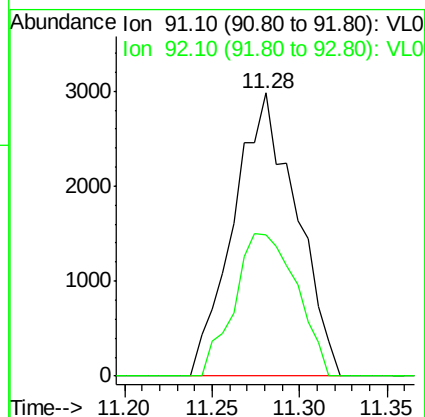
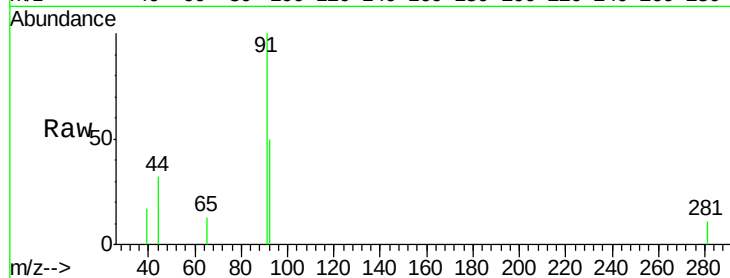
VSTDIC0.03

Tgt Ion: 91 Resp: 7450

Ion Ratio Lower Upper

91 100

92 49.9 47.3 70.9



#54

1,2-Dibromoethane

Concen: 0.02 ppbv

RT: 12.19 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL026828.D

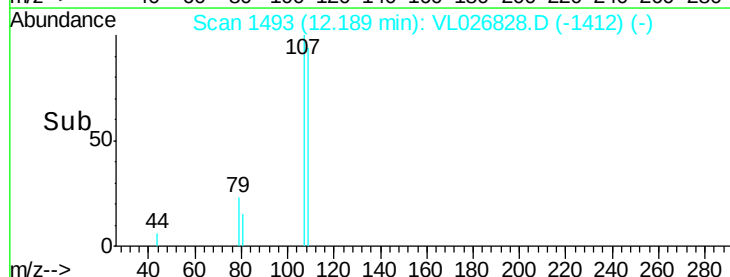
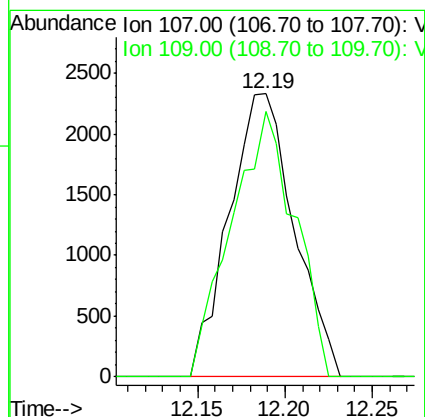
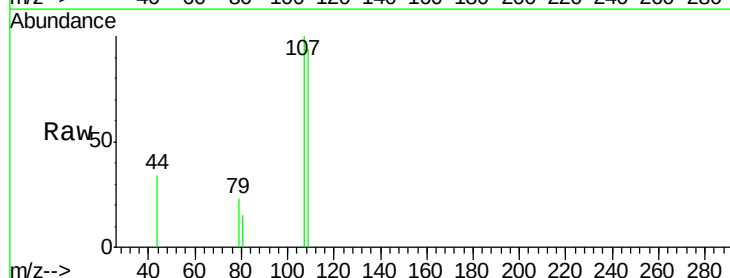
Acq: 9 Feb 2016 20:06

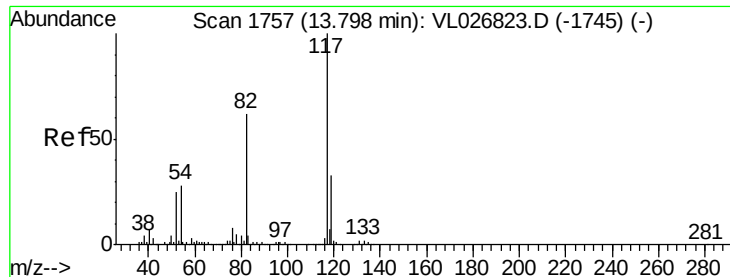
Tgt Ion: 107 Resp: 6049

Ion Ratio Lower Upper

107 100

109 93.6 75.0 112.4

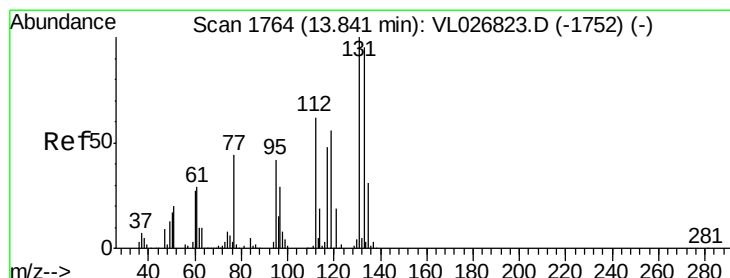
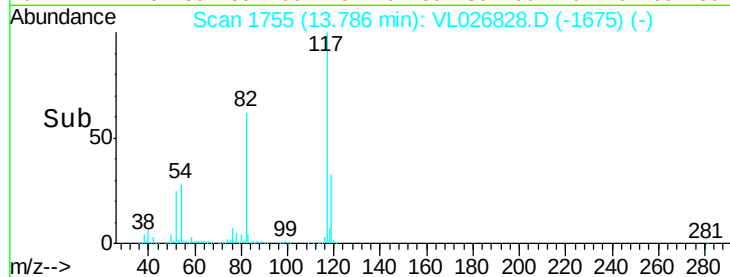
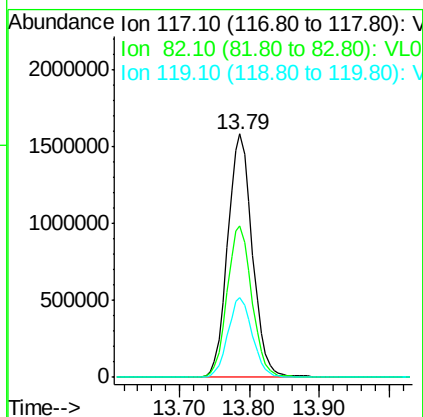
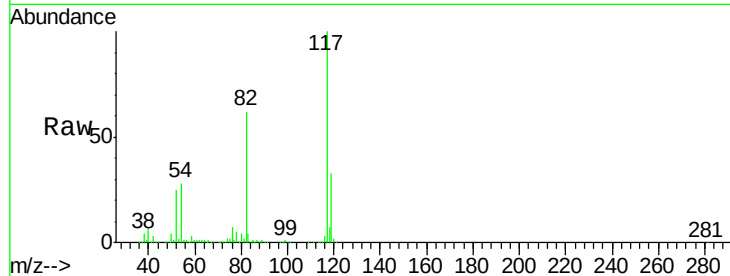




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

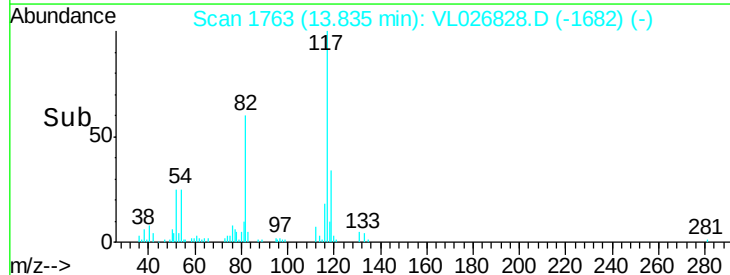
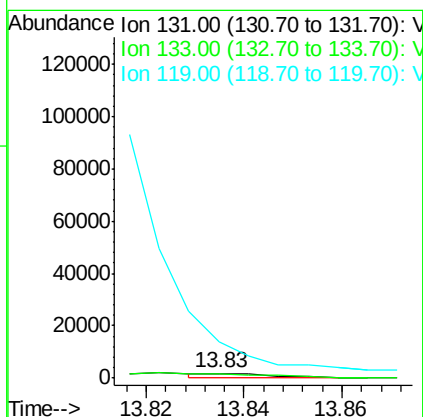
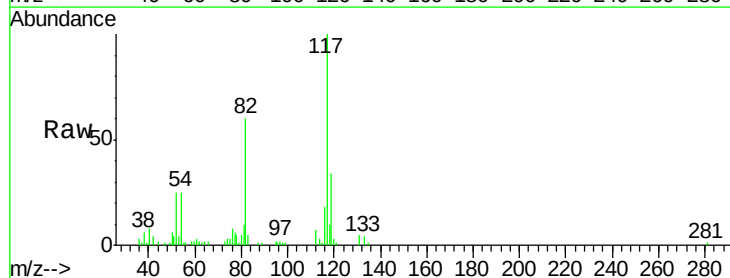
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

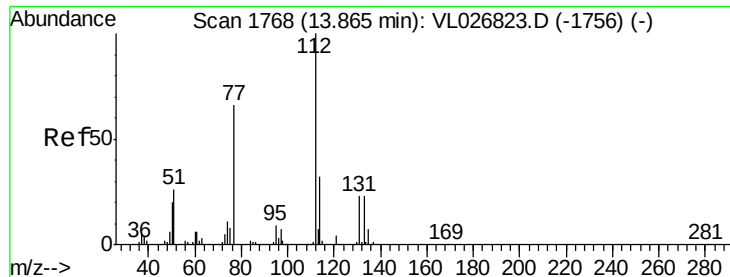
Tgt Ion:117 Resp: 3876122
Ion Ratio Lower Upper
117 100
82 0.0 51.9 77.9#
119 32.8 48.5 72.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.01 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion:131 Resp: 1770
Ion Ratio Lower Upper
131 100
133 0.0 76.4 114.6#
119 0.0 99.8 149.8#

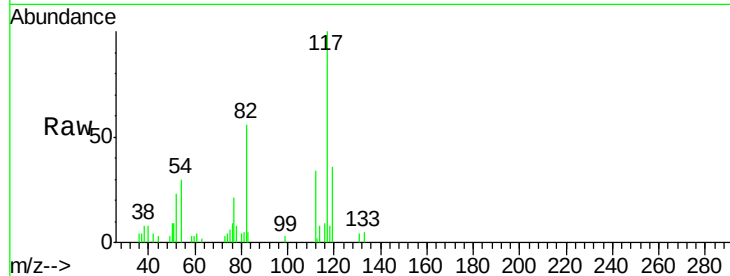




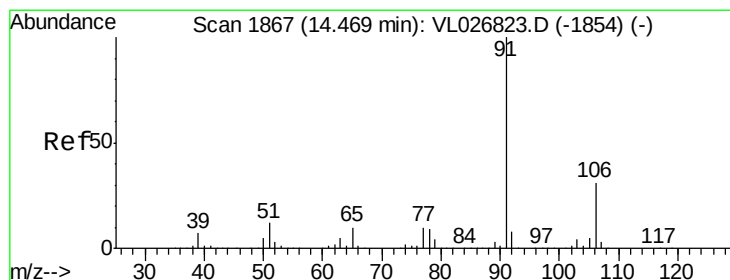
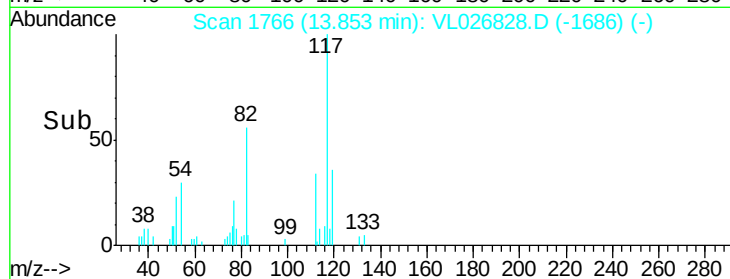
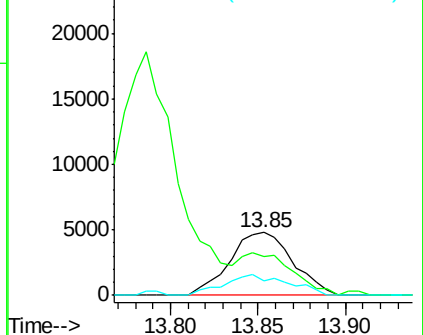
#57
Chlorobenzene
Concen: 0.03 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 112 Resp: 12032
Ion Ratio Lower Upper
112 100
77 61.7 53.3 79.9
114 23.2 28.9 35.3#

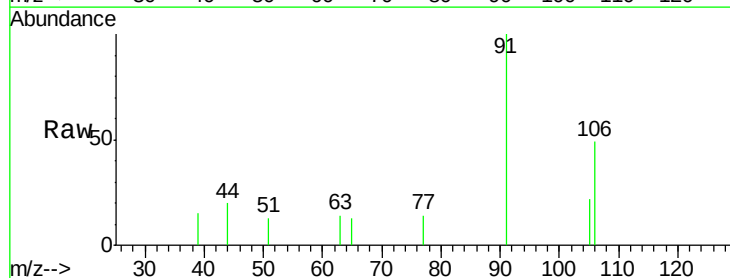


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

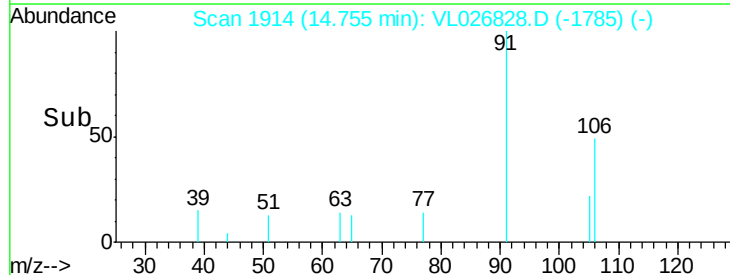
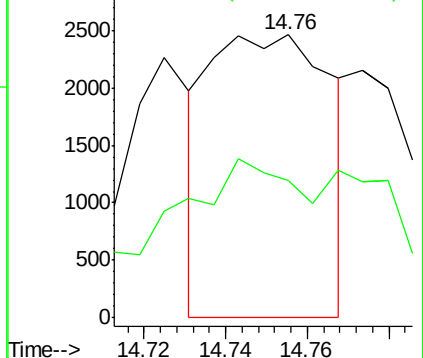


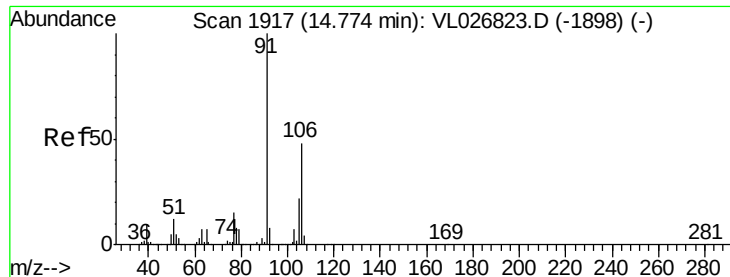
#58
Ethyl Benzene
Concen: 0.01 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. 0.29 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion: 91 Resp: 5040
Ion Ratio Lower Upper
91 100
106 32.9 24.9 37.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.01 ppbv

RT: 14.76 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

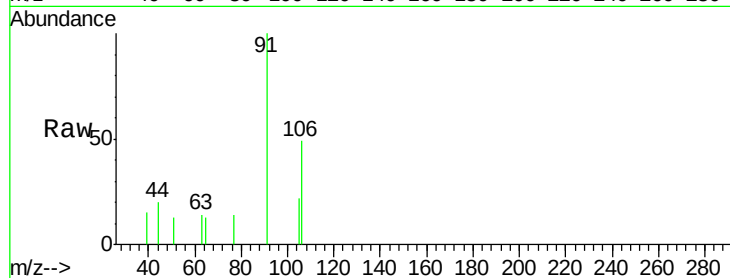
VSTDIC0.03

Tgt Ion: 91 Resp: 5040

Ion Ratio Lower Upper

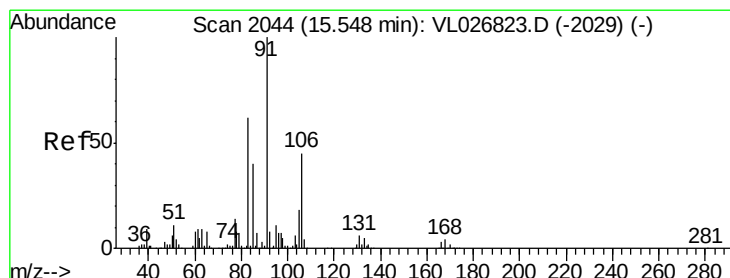
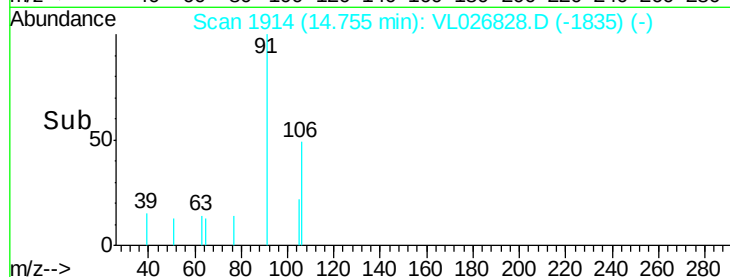
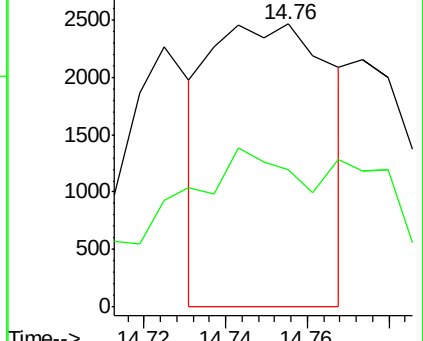
91 100

106 102.8 38.2 57.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.02 ppbv

RT: 15.54 min Scan# 2043

Delta R.T. -0.01 min

Lab File: VL026828.D

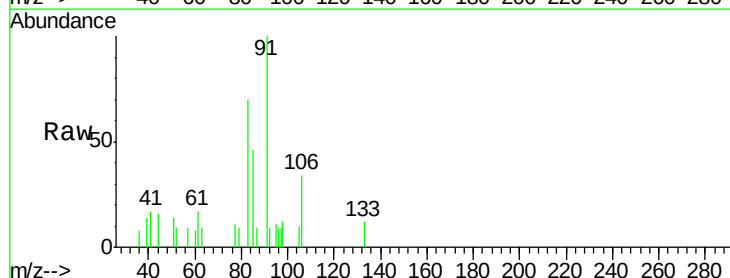
Acq: 9 Feb 2016 20:06

Tgt Ion: 91 Resp: 10038

Ion Ratio Lower Upper

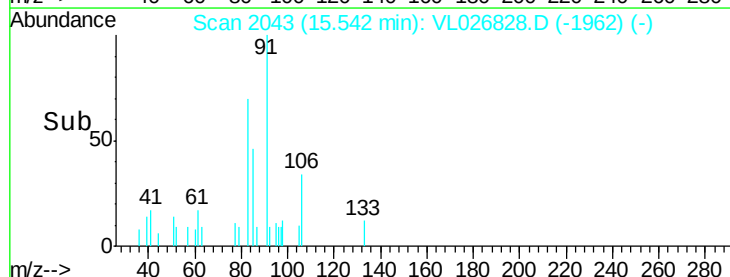
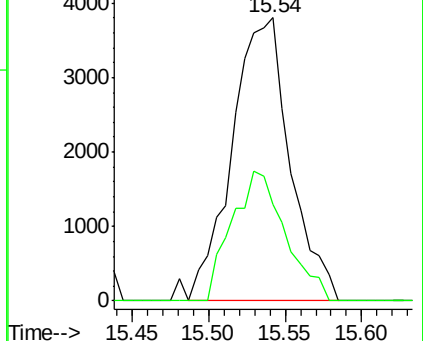
91 100

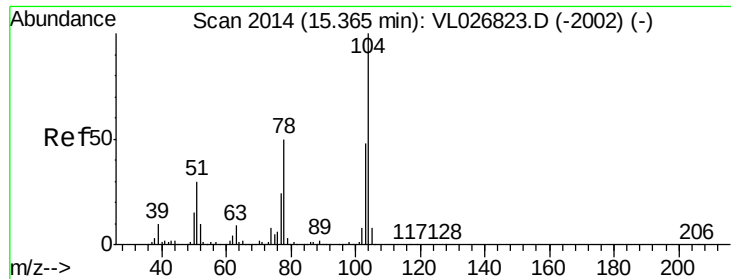
106 41.9 22.3 66.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

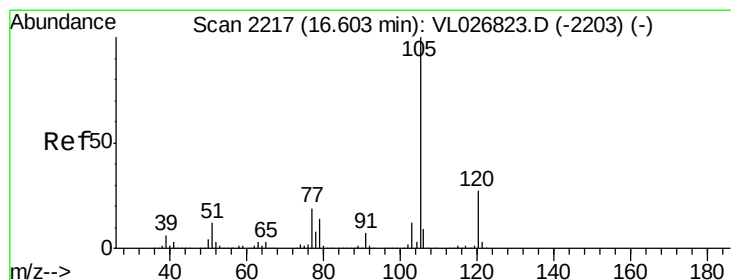
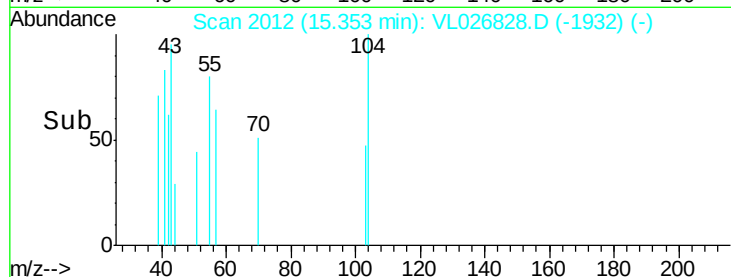
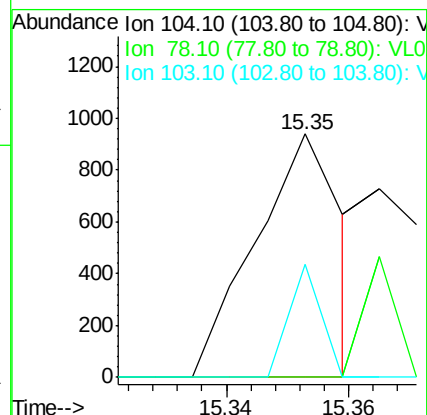
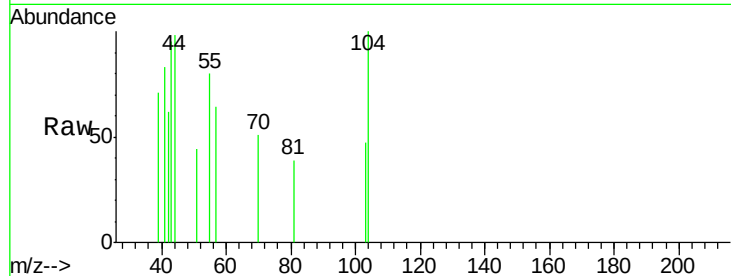




#61
Styrene
Concen: 0.00 ppbv
RT: 15.35 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

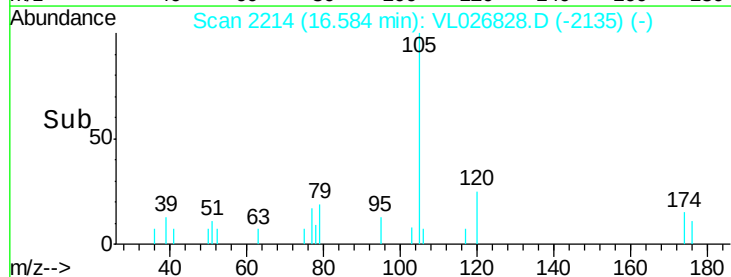
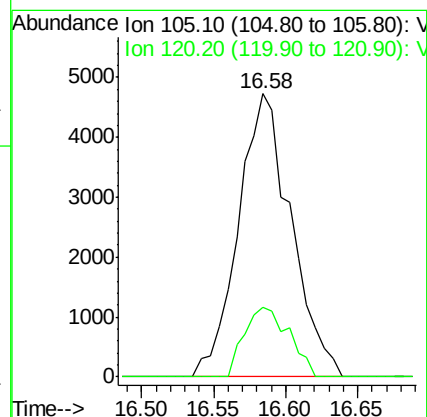
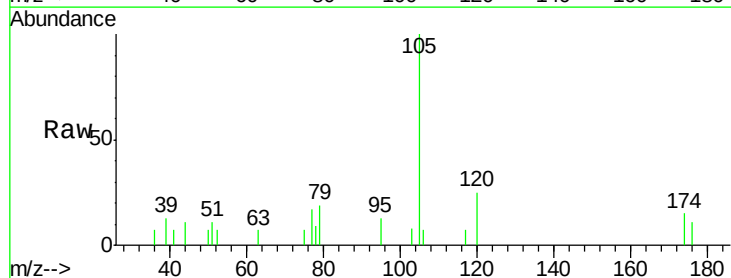
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

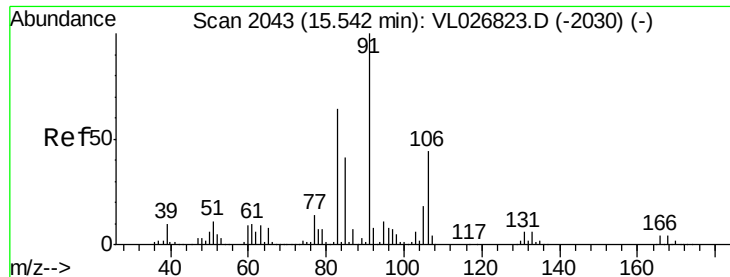
Tgt Ion:104 Resp: 925
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 0.0 38.2 57.4#



#62
Isopropylbenzene
Concen: 0.01 ppbv
RT: 16.58 min Scan# 2214
Delta R.T. -0.02 min
Lab File: VL026828.D
Acq: 9 Feb 2016 20:06

Tgt Ion:105 Resp: 11998
Ion Ratio Lower Upper
105 100
120 20.8 21.0 31.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.02 ppbv

RT: 15.54 min Scan# 2042

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

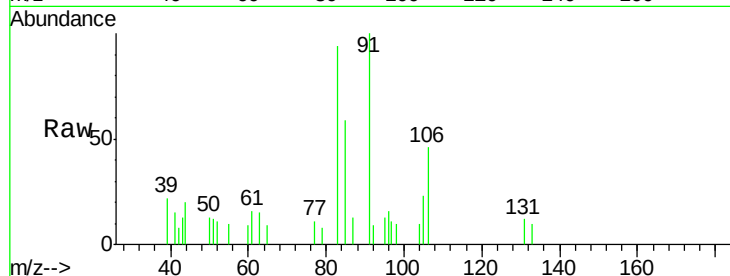
Tgt Ion: 83 Resp: 9148

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

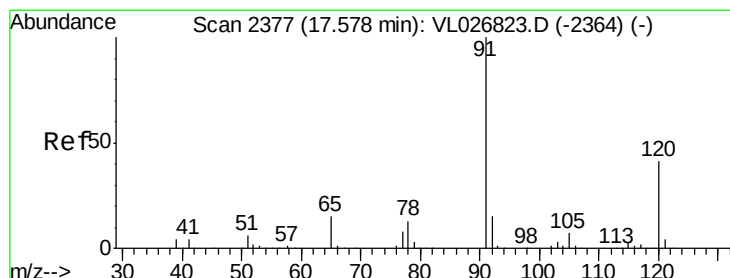
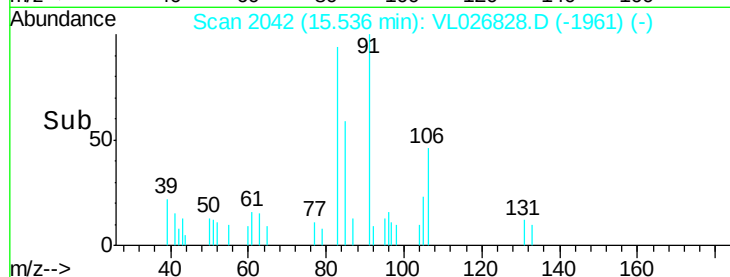
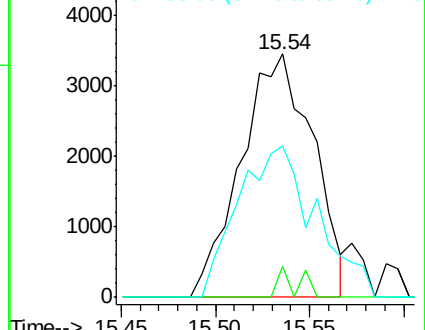
85 67.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.00 ppbv

RT: 17.57 min Scan# 2375

Delta R.T. -0.01 min

Lab File: VL026828.D

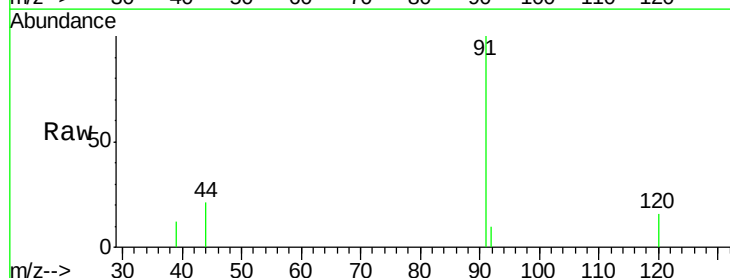
Acq: 9 Feb 2016 20:06

Tgt Ion: 120 Resp: 684

Ion Ratio Lower Upper

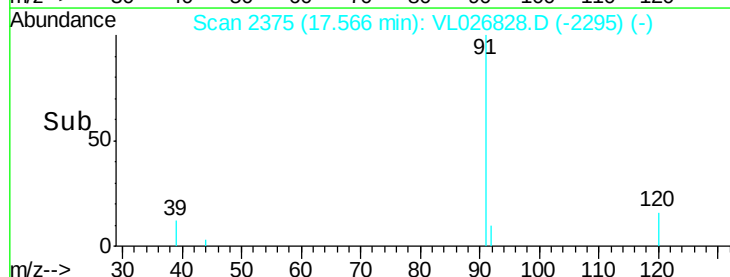
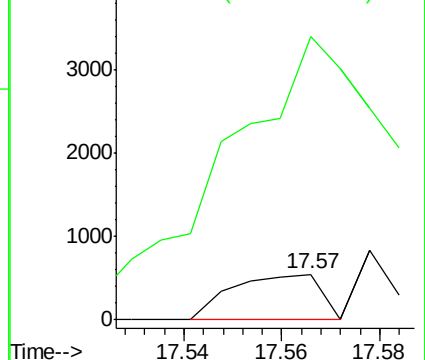
120 100

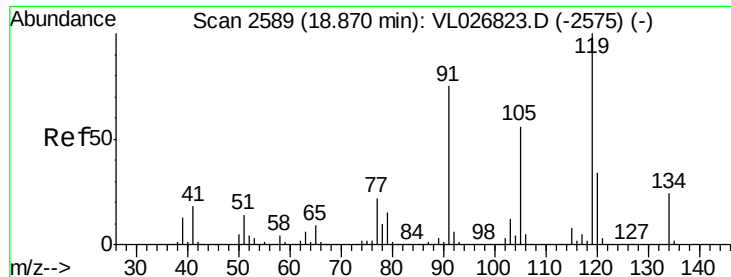
91 1312.7 363.0 544.6#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.01 ppbv

RT: 18.86 min Scan# 2587

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

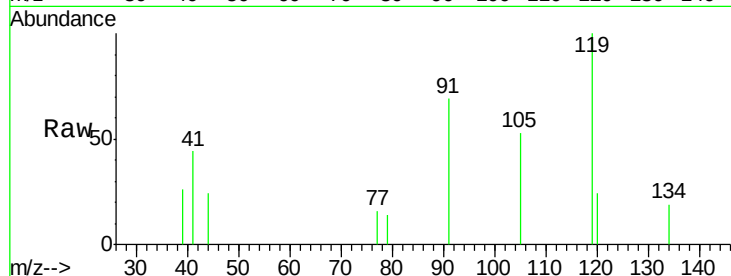
Tgt Ion: 119 Resp: 6396

Ion Ratio Lower Upper

119 100

91 74.1 61.5 92.3

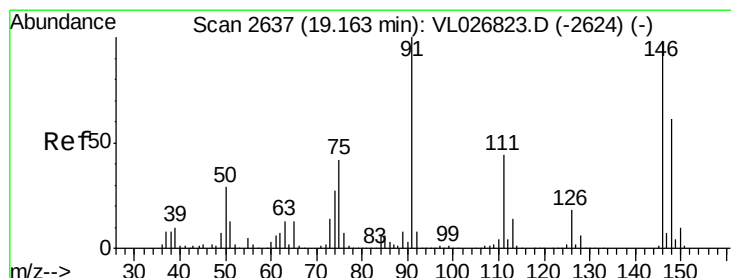
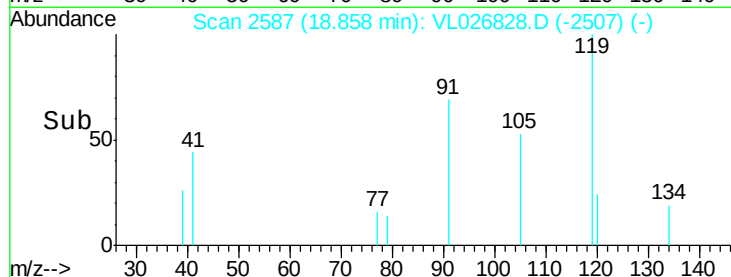
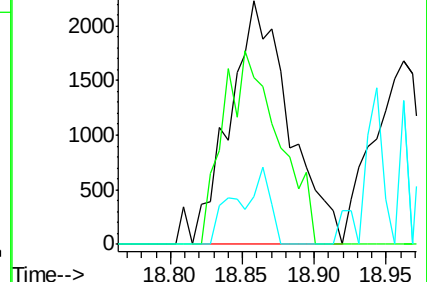
134 17.2 17.9 26.9#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.00 ppbv

RT: 19.16 min Scan# 2637

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

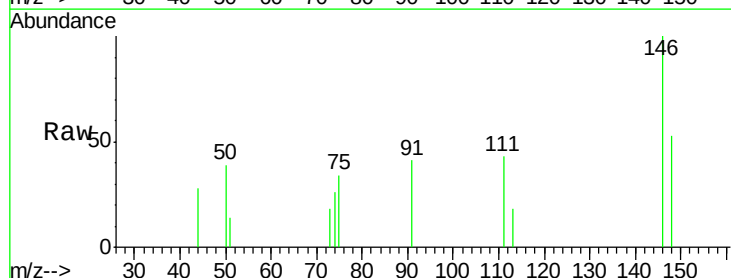
Tgt Ion: 91 Resp: 1470

Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

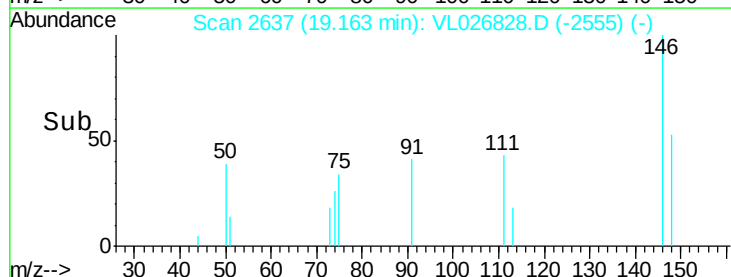
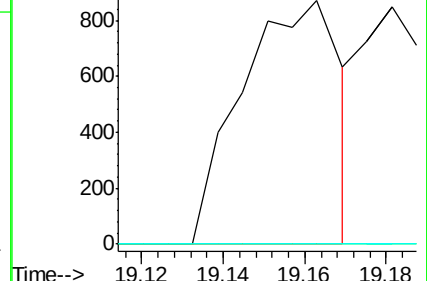
128 0.0 4.6 6.8#

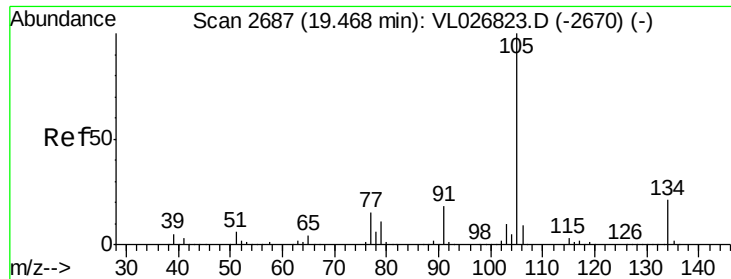


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.01 ppbv

RT: 19.46 min Scan# 2685

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

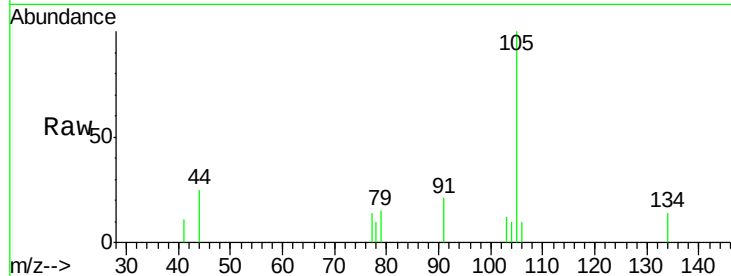
VSTDIC0.03

Tgt Ion: 105 Resp: 9191

Ion Ratio Lower Upper

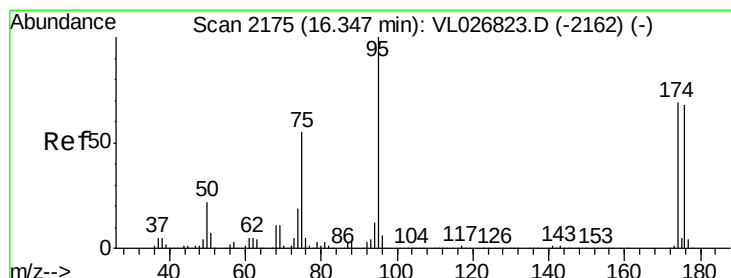
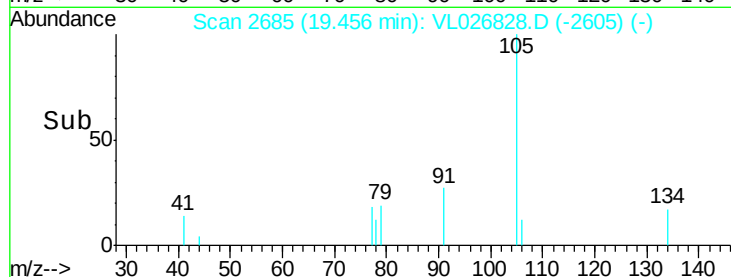
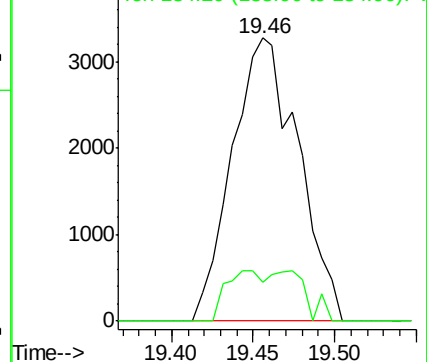
105 100

134 19.9 16.1 24.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.58 ppbv

RT: 16.33 min Scan# 2172

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

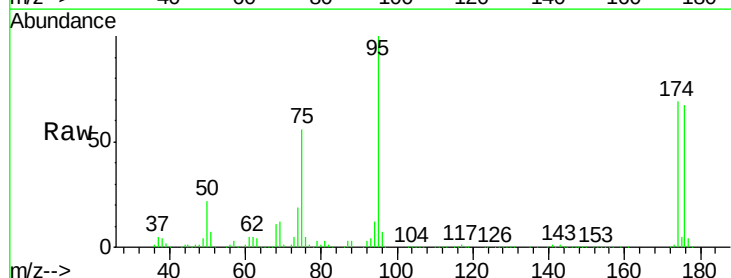
Tgt Ion: 95 Resp: 2822480

Ion Ratio Lower Upper

95 100

174 0.0 55.6 83.4#

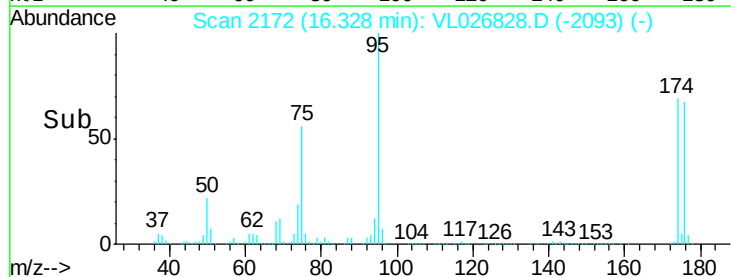
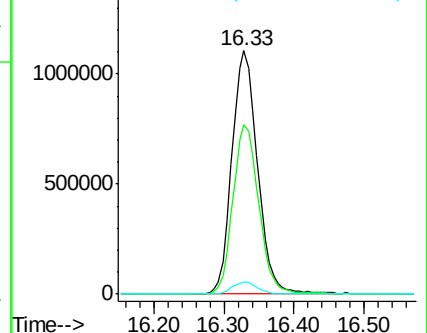
175 4.9 3.9 5.9

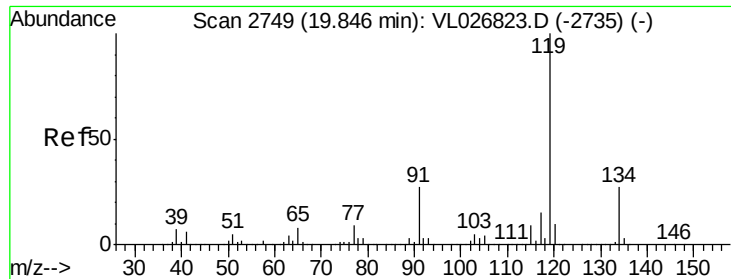


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

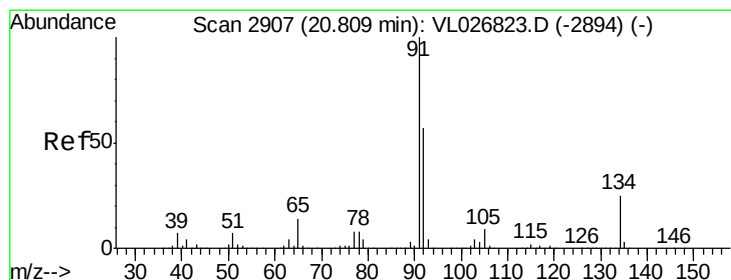
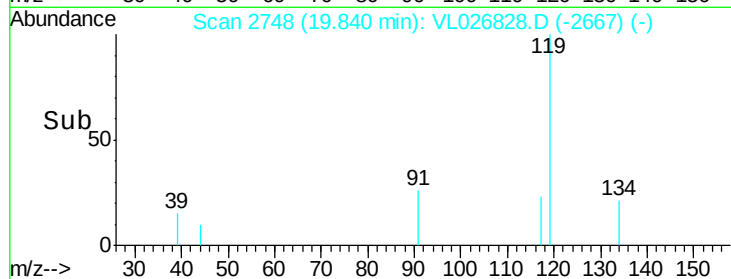
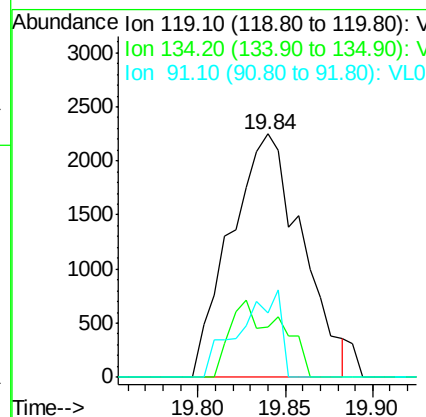
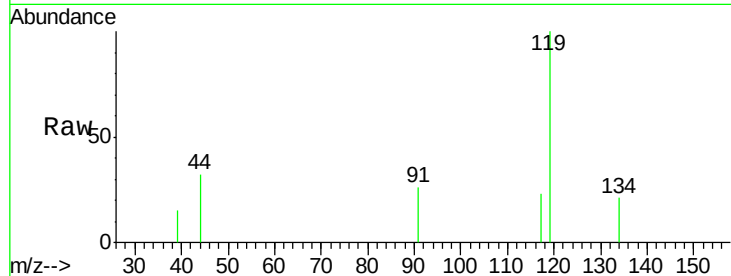




#69
 p-Isopropyltoluene
 Concen: 0.01 ppbv
 RT: 19.84 min Scan# 2748
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

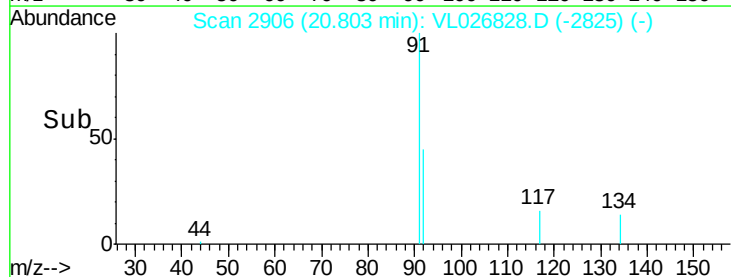
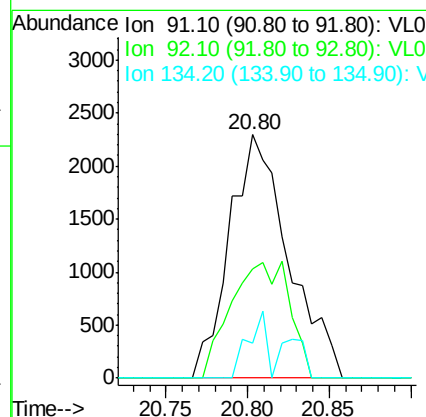
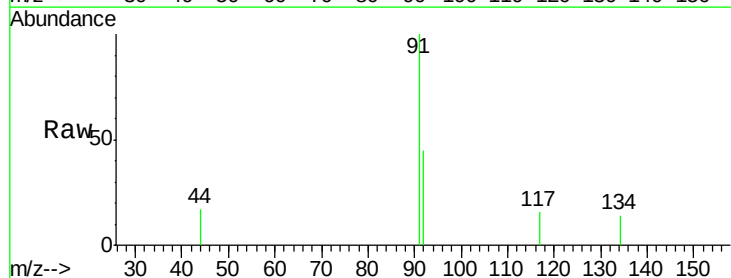
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

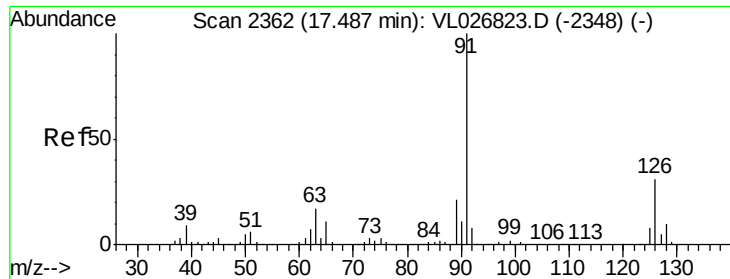
Tgt Ion: 119 Resp: 6393
 Ion Ratio Lower Upper
 119 100
 134 22.1 21.3 31.9
 91 20.8 21.5 32.3#



#70
 n-Butylbenzene
 Concen: 0.01 ppbv
 RT: 20.80 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 91 Resp: 5806
 Ion Ratio Lower Upper
 91 100
 92 47.3 44.2 66.4
 134 15.0 19.3 28.9#

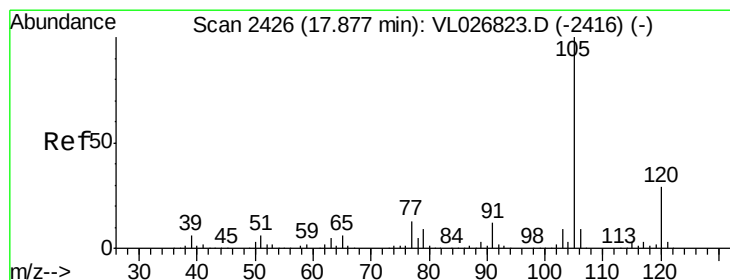
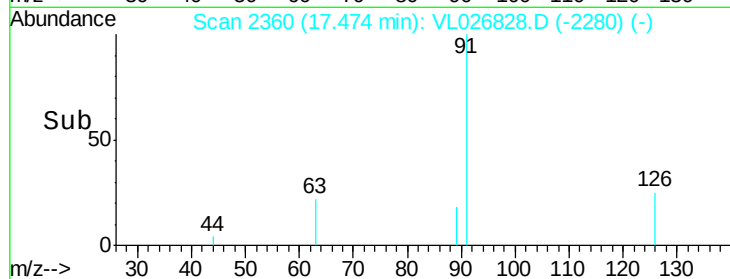
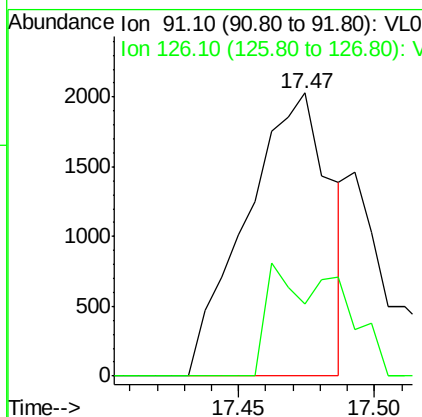
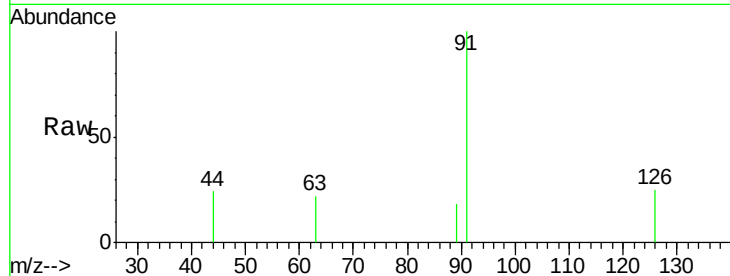




#71
 2-Chlorotoluene
 Concen: 0.01 ppbv
 RT: 17.47 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

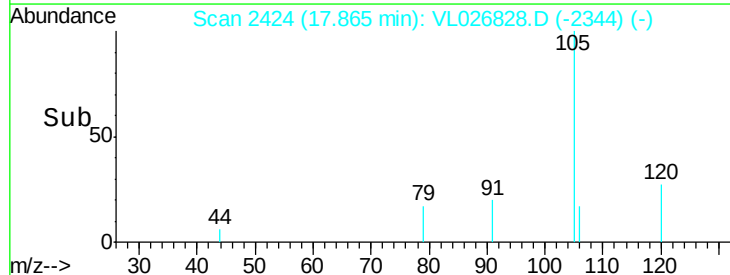
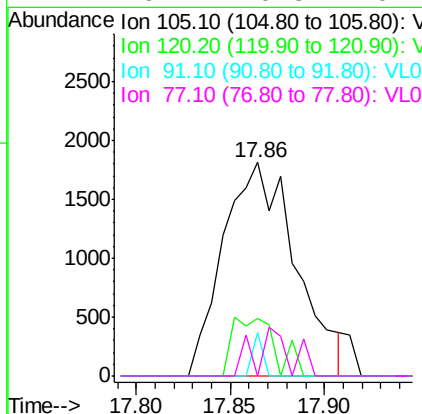
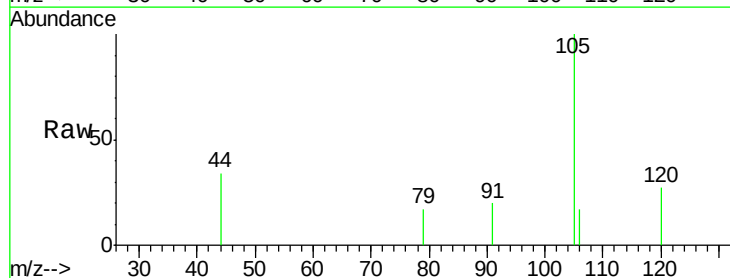
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

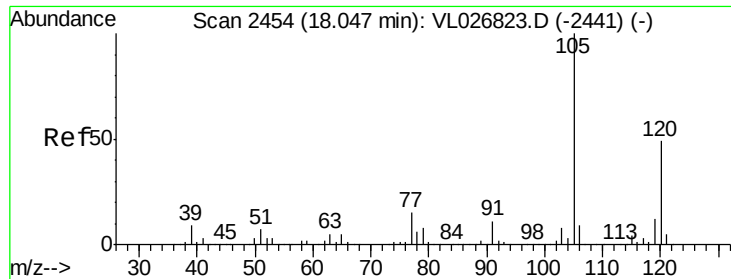
Tgt Ion: 91 Resp: 4355
 Ion Ratio Lower Upper
 91 100
 126 34.2 12.2 48.8



#72
 4-Ethyltoluene
 Concen: 0.01 ppbv
 RT: 17.86 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: VL026828.D
 Acq: 9 Feb 2016 20:06

Tgt Ion: 105 Resp: 4830
 Ion Ratio Lower Upper
 105 100
 120 16.2 23.8 35.6#
 91 0.0 10.2 15.4#
 77 10.7 10.8 16.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.01 ppbv

RT: 18.04 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

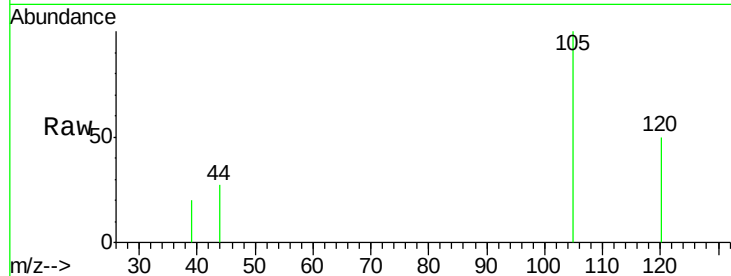
VSTDIC0.03

Tgt Ion:105 Resp: 4514

Ion Ratio Lower Upper

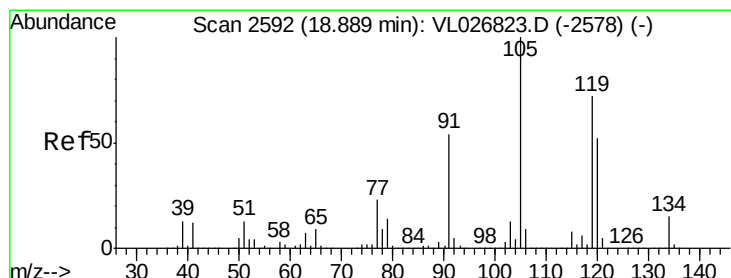
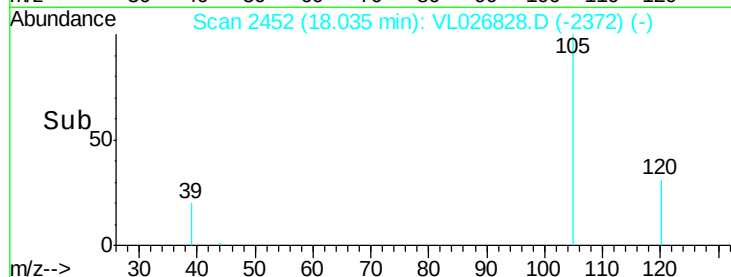
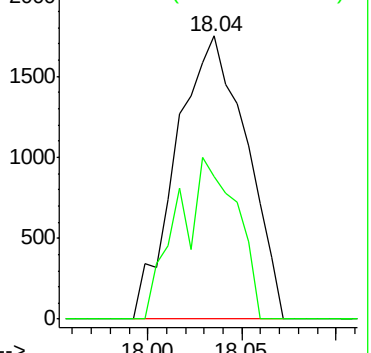
105 100

120 50.2 39.4 59.0



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: 0.01 ppbv

RT: 18.89 min Scan# 2592

Delta R.T. -0.00 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Tgt Ion:105 Resp: 5258

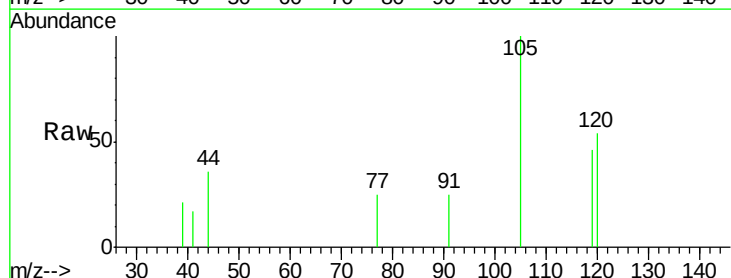
Ion Ratio Lower Upper

105 100

120 53.7 41.3 61.9

91 25.2 43.3 64.9#

77 9.7 18.3 27.5#

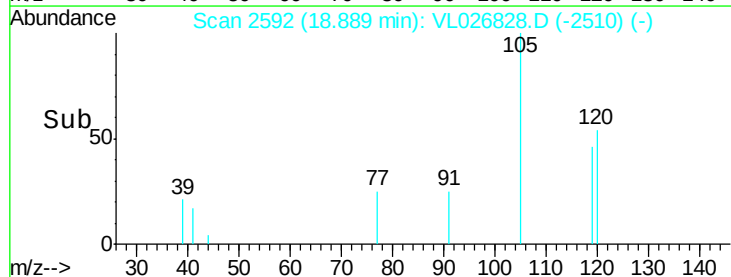
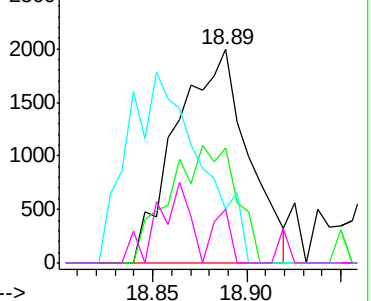


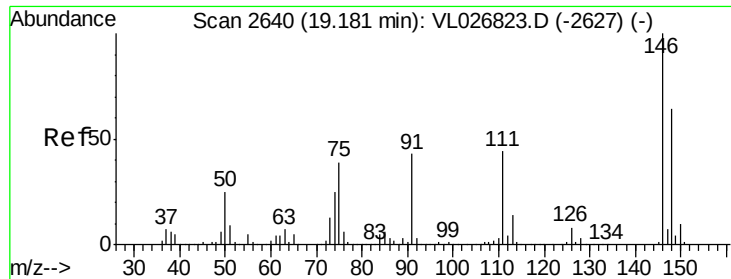
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.01 ppbv

RT: 19.16 min Scan# 2637

Delta R.T. -0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

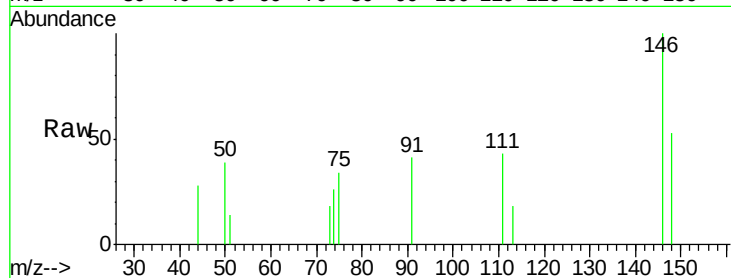
Tgt Ion:146 Resp: 3773

Ion Ratio Lower Upper

146 100

111 78.3 22.1 66.3#

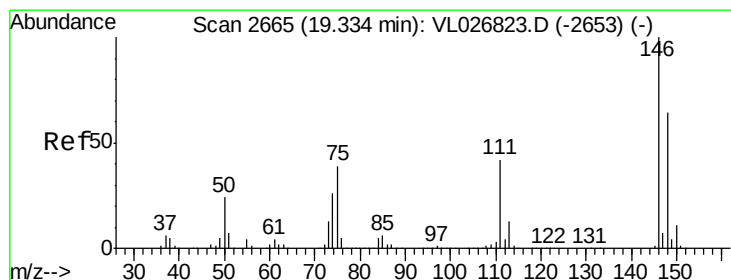
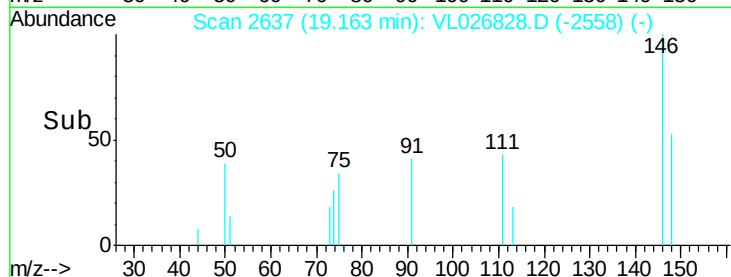
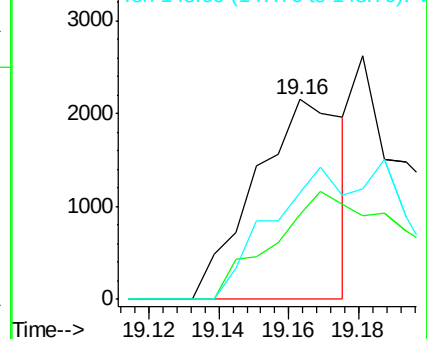
148 0.0 32.2 96.6#



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



#76

1,4-Dichlorobenzene

Concen: 0.01 ppbv

RT: 19.32 min Scan# 2663

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

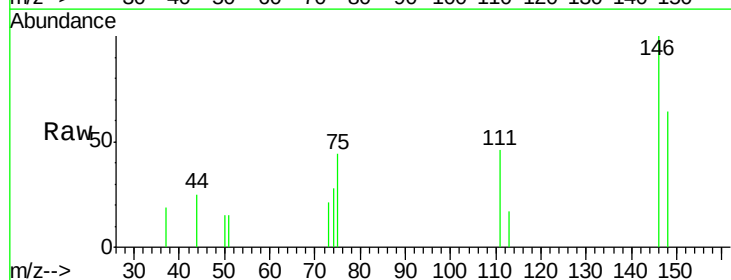
Tgt Ion:146 Resp: 3379

Ion Ratio Lower Upper

146 100

111 67.7 21.6 64.8#

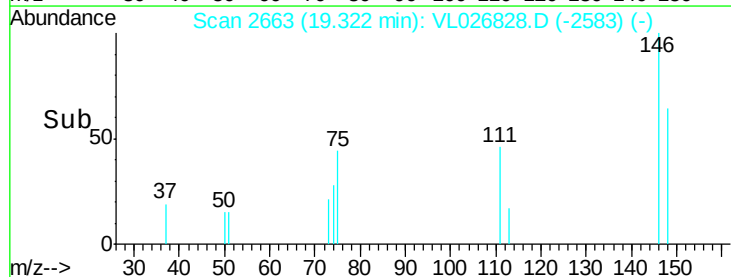
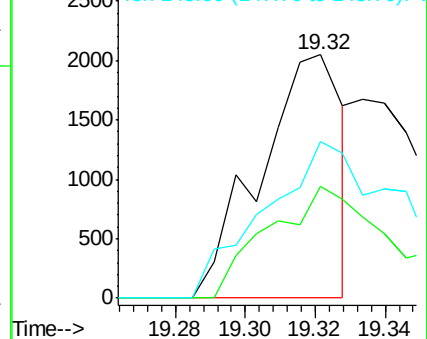
148 101.4 32.2 96.6#

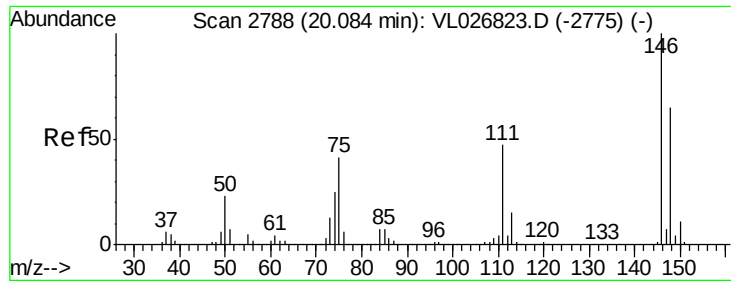


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.01 ppbv

RT: 20.08 min Scan# 2787

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

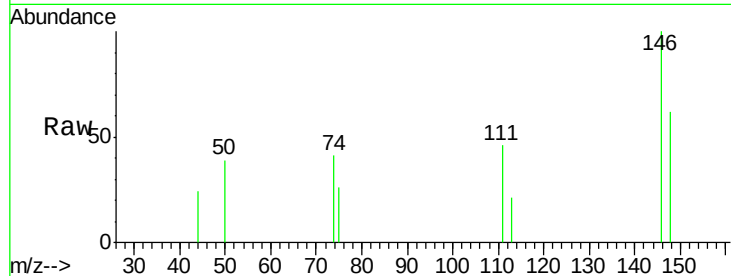
Tgt Ion:146 Resp: 5171

Ion Ratio Lower Upper

146 100

111 47.7 23.1 69.3

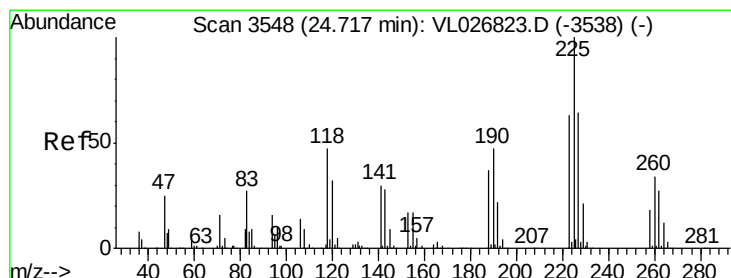
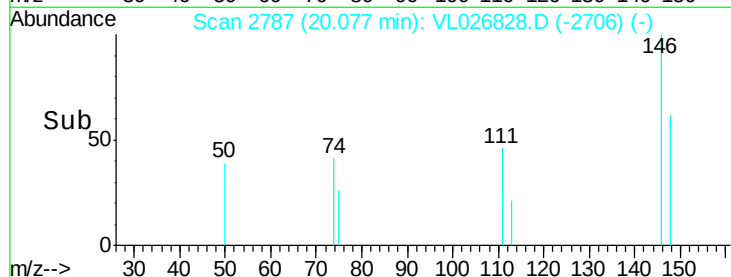
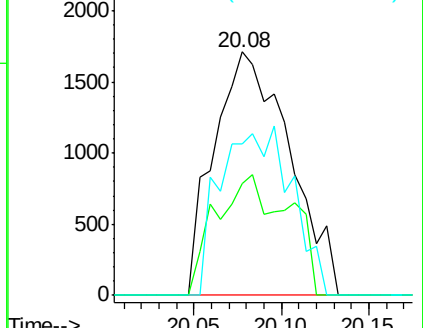
148 65.2 32.1 96.5



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: 0.02 ppbv

RT: 24.71 min Scan# 3547

Delta R.T. -0.01 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

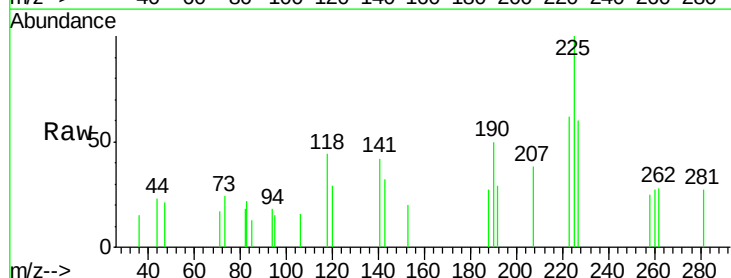
Tgt Ion:225 Resp: 4545

Ion Ratio Lower Upper

225 100

223 60.8 50.2 75.2

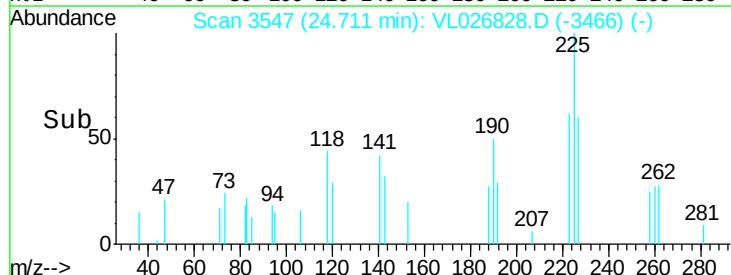
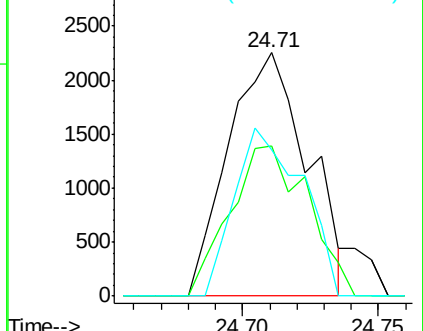
227 59.2 52.1 78.1

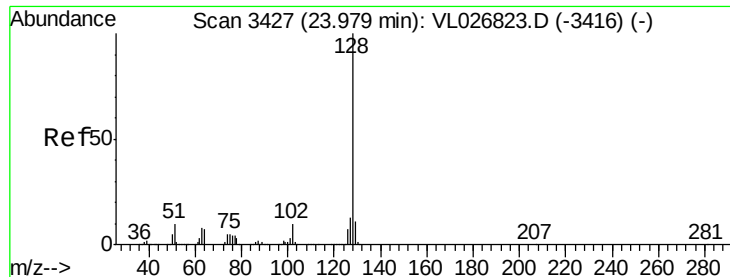


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.00 ppbv

RT: 24.00 min Scan# 3430

Delta R.T. 0.02 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

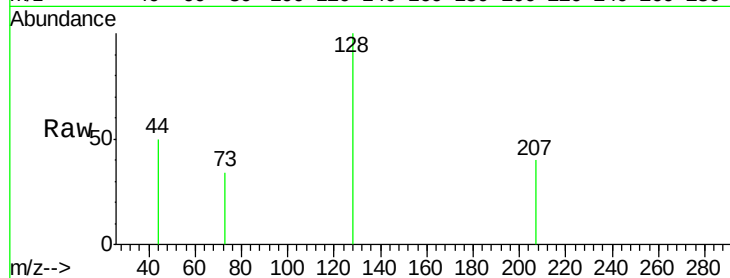
Tgt Ion:128 Resp: 2205

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

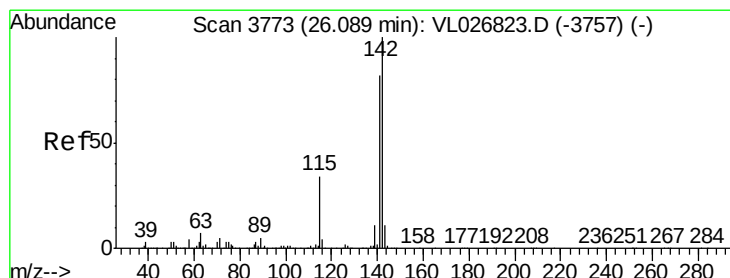
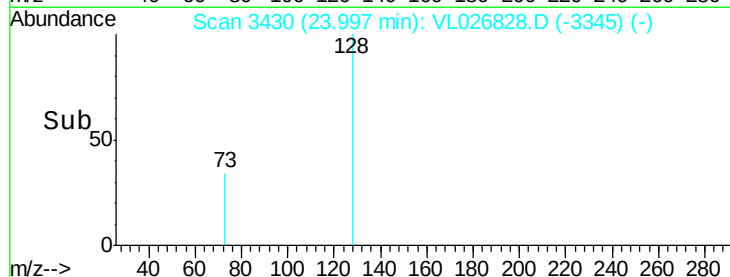
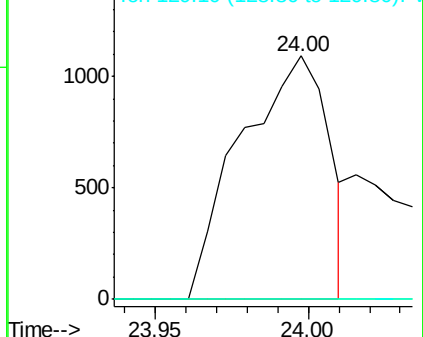
129 0.0 8.7 13.1#



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: 0.00 ppbv

RT: 26.20 min Scan# 3792

Delta R.T. 0.12 min

Lab File: VL026828.D

Acq: 9 Feb 2016 20:06

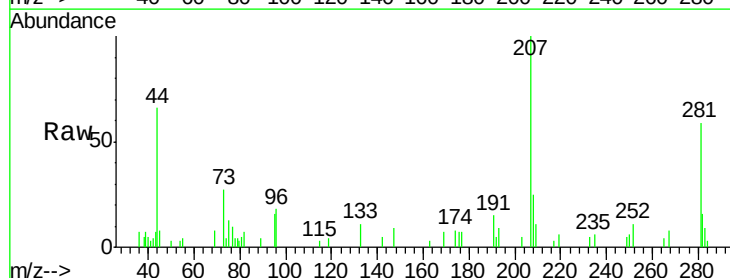
Tgt Ion:142 Resp: 427

Ion Ratio Lower Upper

142 100

141 35.4 67.2 100.8#

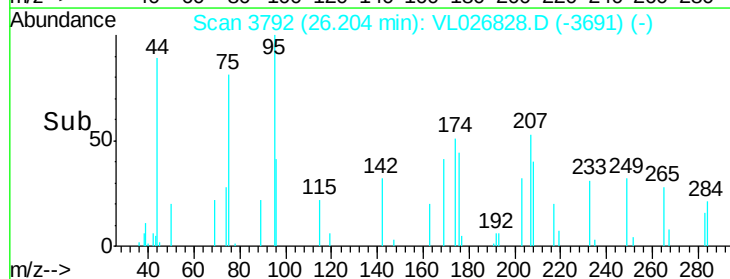
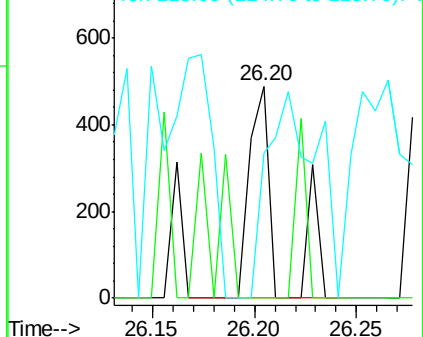
115 190.9 27.5 41.3#

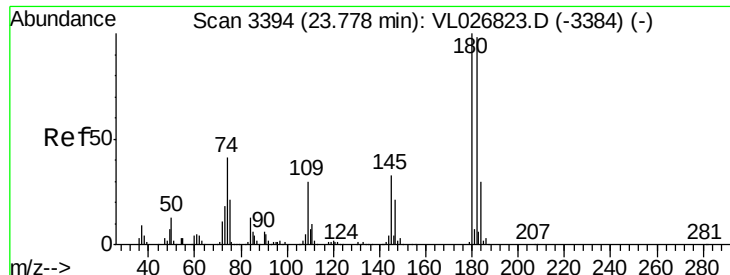


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.01 ppbv

RT: 23.79 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VL026828.D

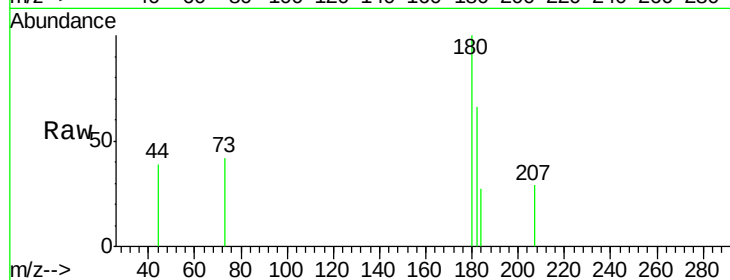
Acq: 9 Feb 2016 20:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



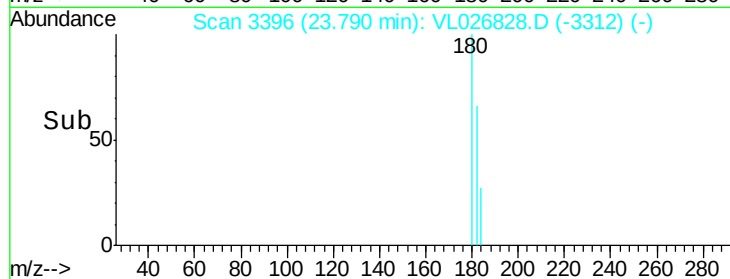
Tgt Ion:180 Resp: 2442

Ion Ratio Lower Upper

180 100

182 94.1 77.3 115.9

184 4.9 24.5 36.7#



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

