

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026825.D
 Acq On : 9 Feb 2016 18:13
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 10 02:09:03 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	6.69	49	1658310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	4460108	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.79	117	4177759	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	3035247	8.56	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.67	85	388040	0.74	ppbv	95
3) Chlorodifluoromethane	3.60	51	323175	1.01	ppbv	99
4) Chloromethane	3.78	50	110741	1.12	ppbv	99
5) Vinyl Chloride	3.92	62	118178	1.01	ppbv	100
6) Bromomethane	4.18	94	100658	1.00	ppbv	97
7) Chloroethane	4.27	64	54211	1.01	ppbv	94
8) Dichlorotetrafluoroethane	3.84	85	330487	0.86	ppbv	98
9) Propene	3.62	41	72834	1.12	ppbv	100
10) Heptane	9.40	43	230938	0.92	ppbv	99
11) Trichlorofluoromethane	4.73	101	441616	0.73	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.34	101	308152	0.87	ppbv	99
13) Ethanol	4.39	45	15046	1.00	ppbv	98
14) Bromoethene	4.49	108	111368	0.97	ppbv	98
15) Acetone	4.65	43	261972	0.67	ppbv #	76
16) 1,3-Butadiene	4.00	39	92423	0.87	ppbv	98
17) tert-Butyl alcohol	5.19	59	153995	0.74	ppbv	95
18) 1,1-Dichloroethene	5.12	96	127009	0.93	ppbv	99
19) Isopropyl Alcohol	4.81	45	88150	0.86	ppbv #	93
20) Methylene Chloride	5.18	84	122545	0.97	ppbv	99
21) Allyl Chloride	5.26	41	142365	0.86	ppbv #	86
22) trans-1,2-Dichloroethene	5.80	96	110070	0.84	ppbv	96
23) Vinyl Acetate	6.02	43	307503	0.74	ppbv	97
24) 1,1-Dichloroethane	5.94	63	254547	0.87	ppbv	99
25) Ethyl Acetate	6.72	43	360521	0.94	ppbv	99
26) Hexane	6.70	57	190991	1.00	ppbv	95
27) Carbon Disulfide	5.43	76	334312	0.88	ppbv	98
28) Methyl tert-Butyl Ether	6.01	73	288413	0.68	ppbv	100
29) Chloroform	6.78	83	300224	0.70	ppbv	98
30) Cyclohexane	8.32	84	147335	0.75	ppbv #	67
31) cis-1,2-Dichloroethene	6.56	61	152971	0.74	ppbv	96
32) 1,1,1-Trichloroethane	7.63	97	290642	0.60	ppbv	99
34) 2-Butanone	6.25	43	218925	1.06	ppbv	98
35) Carbon Tetrachloride	8.20	117	305841	0.69	ppbv	100
36) Benzene	8.06	78	338555	0.91	ppbv	99
37) 1,2-Dichloroethane	7.41	62	220265	0.68	ppbv	100
38) Trichloroethene	9.10	130	151398	0.86	ppbv	98
39) 1,2-Dichloropropane	8.86	63	132375	1.05	ppbv	98
40) 1,4-Dioxane	9.20	88	9447	0.31	ppbv #	1
41) Tetrahydrofuran	7.19	42	98885	1.05	ppbv	97
42) Bromodichloromethane	9.06	83	276649	0.66	ppbv	99
43) Methyl Methacrylate	9.31	69	111686	0.78	ppbv	99

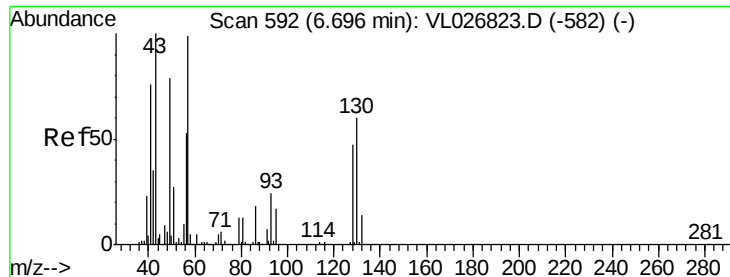
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL020916\
 Data File : VL026825.D
 Acq On : 9 Feb 2016 18:13
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Feb 10 02:09:03 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)
44) 2,2,4-Trimethylpentane	9.13	57	594030	1.00	ppbv	98
45) t-1,3-Dichloropropene	10.70	75	134090	0.54	ppbv	97
46) cis-1,3-Dichloropropene	10.06	75	170201	0.64	ppbv	98
47) 1,1,2-Trichloroethane	10.92	97	141062	0.71	ppbv	97
48) Dibromochloromethane	11.84	129	213504	0.57	ppbv	100
49) Bromoform	14.86	173	149387	0.46	ppbv	99
50) 4-Methyl-2-Pentanone	10.15	43	239594	0.83	ppbv	96
51) 2-Hexanone	11.68	43	185201	0.67	ppbv #	97
52) Tetrachloroethene	12.84	164	128623	0.61	ppbv	95
53) Toluene	11.28	91	360121	0.66	ppbv	99
54) 1,2-Dibromoethane	12.19	107	205296	0.61	ppbv	97
56) 1,1,1,2-Tetrachloroethane	13.83	131	171421	0.78	ppbv #	1
57) Chlorobenzene	13.85	112	331249	0.78	ppbv	99
58) Ethyl Benzene	14.46	91	468957	0.69	ppbv	97
59) m/p-Xylene	14.76	91	831759	1.39	ppbv	98
60) o-Xylene	15.54	91	443938	0.67	ppbv	99
61) Styrene	15.36	104	130902	0.55	ppbv	100
62) Isopropylbenzene	16.59	105	536107	0.62	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.52	83	300886	0.70	ppbv	100
64) n-propylbenzene	17.57	120	133737	0.55	ppbv	85
65) tert-Butylbenzene	18.86	119	459826	0.53	ppbv	97
66) Benzyl Chloride	19.16	91	125507	0.38	ppbv	97
67) sec-Butylbenzene	19.46	105	635222	0.50	ppbv	97
69) p-Isopropyltoluene	19.83	119	487332	0.47	ppbv	99
70) n-Butylbenzene	20.80	91	478075	0.45	ppbv	95
71) 2-Chlorotoluene	17.47	91	347074	0.52	ppbv	99
72) 4-Ethyltoluene	17.86	105	395021	0.52	ppbv	98
73) 1,3,5-Trimethylbenzene	18.03	105	391350	0.53	ppbv	95
74) 1,2,4-Trimethylbenzene	18.88	105	440629	0.54	ppbv	96
75) 1,3-Dichlorobenzene	19.16	146	263758	0.49	ppbv	100
76) 1,4-Dichlorobenzene	19.32	146	258377	0.48	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	248754	0.44	ppbv	100
78) Hexachloro-1,3-Butadiene	24.71	225	131736	0.48	ppbv	97
79) Naphthalene	23.98	128	213944	0.30	ppbv	96
80) Naphthalene,2-methyl-	26.10	142	89086	0.73	ppbv	94
81) 1,2,4-Trichlorobenzene	23.78	180	112315	0.36	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.69 min Scan# 591

Delta R.T. -0.01 min

Lab File: VL026825.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

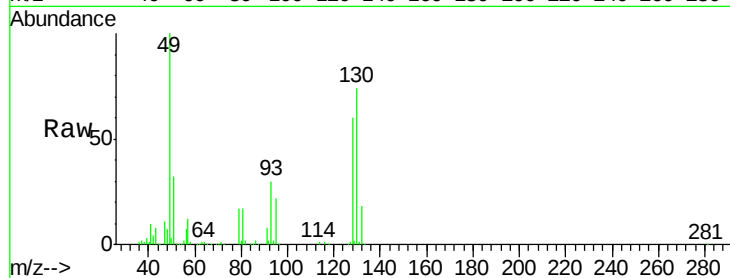
Tgt Ion: 49 Resp: 1658310

Ion Ratio Lower Upper

49 100

128 58.5 29.7 89.1

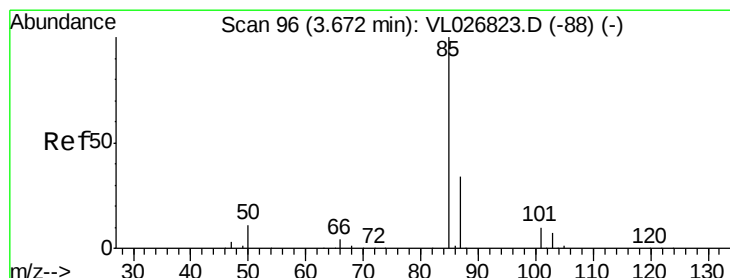
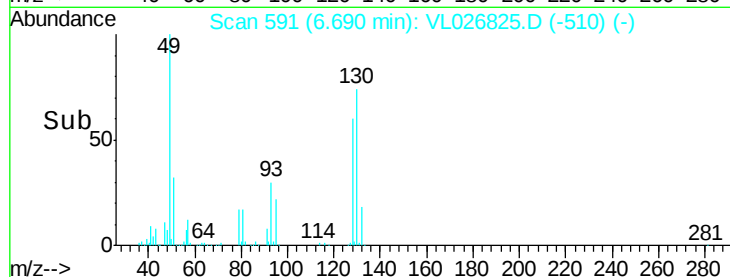
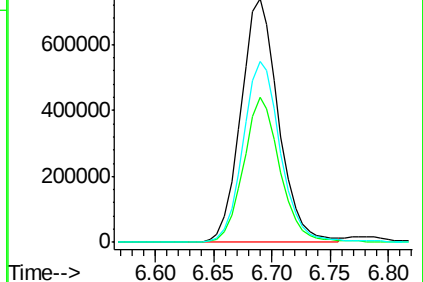
130 74.9 38.3 114.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.74 ppbv

RT: 3.67 min Scan# 96

Delta R.T. -0.00 min

Lab File: VL026825.D

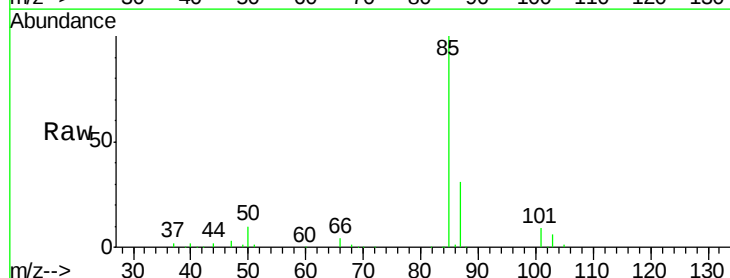
Acq: 9 Feb 2016 18:13

Tgt Ion: 85 Resp: 388040

Ion Ratio Lower Upper

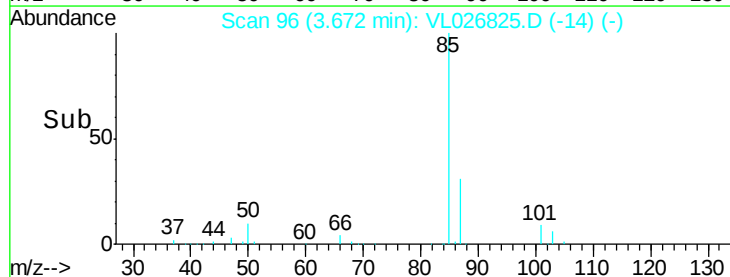
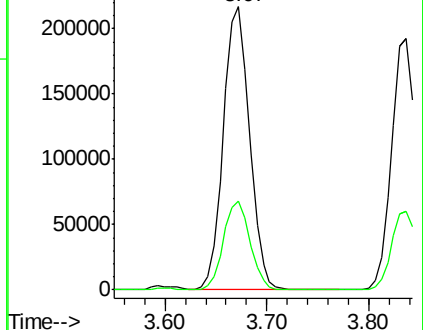
85 100

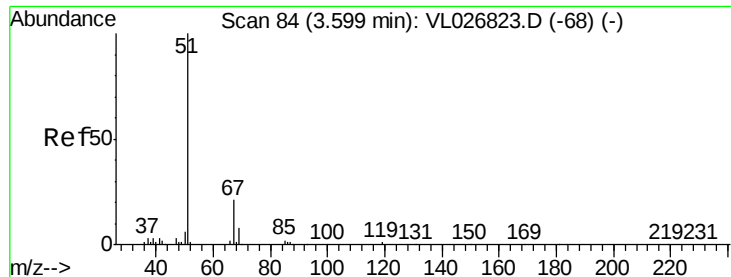
87 31.4 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.01 ppbv

RT: 3.60 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

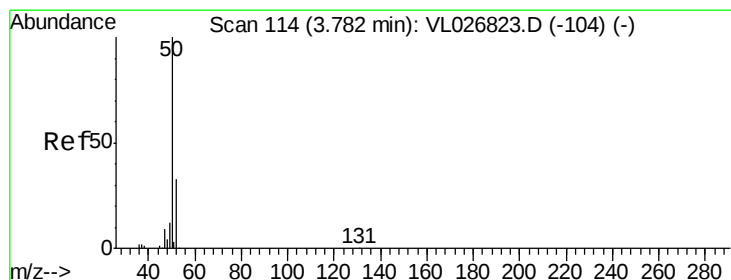
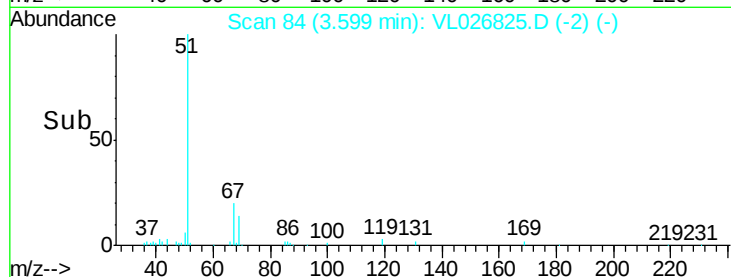
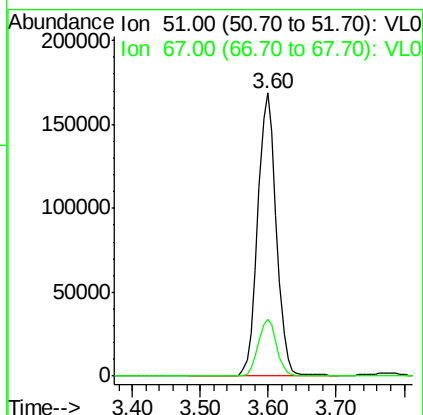
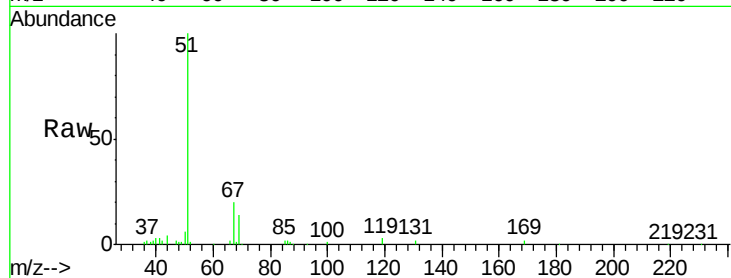
VSTDIC001

Tgt Ion: 51 Resp: 323175

Ion Ratio Lower Upper

51 100

67 19.8 16.4 24.6



#4

Chloromethane

Concen: 1.12 ppbv

RT: 3.78 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL026825.D

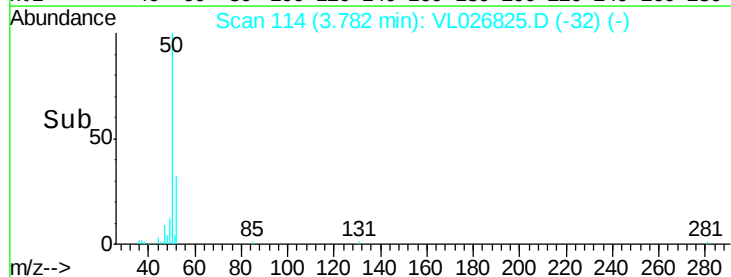
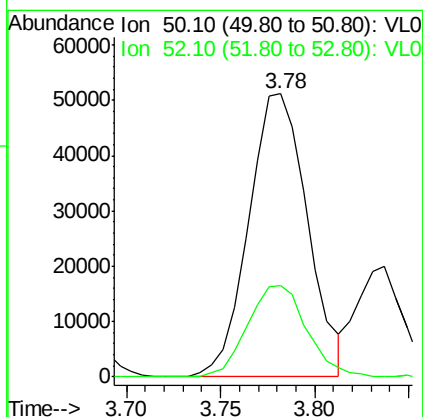
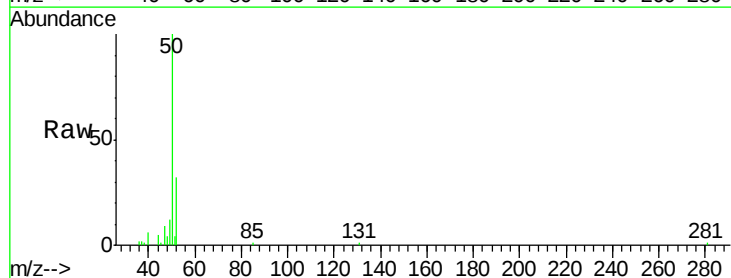
Acq: 9 Feb 2016 18:13

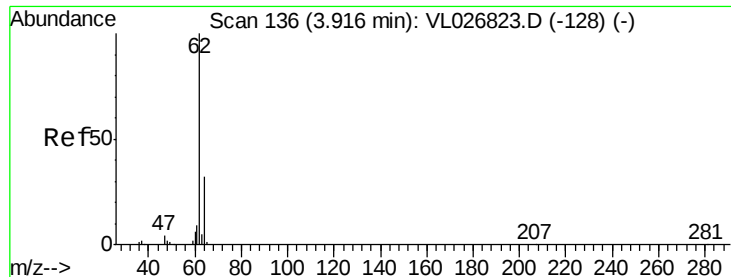
Tgt Ion: 50 Resp: 110741

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5





#5

Vinyl Chloride

Concen: 1.01 ppbv

RT: 3.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

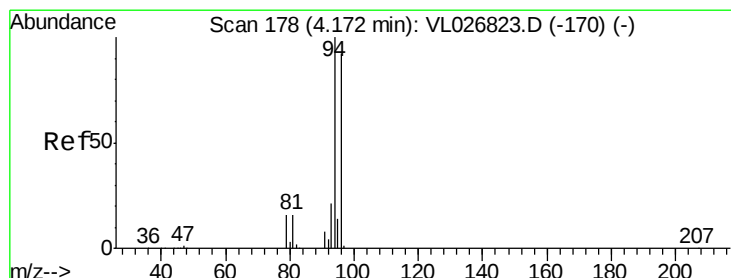
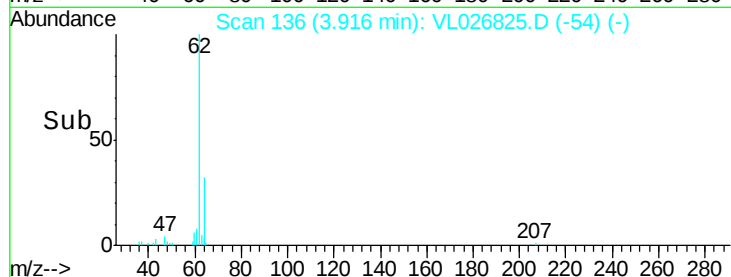
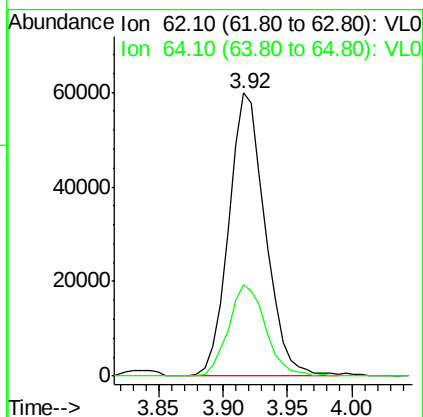
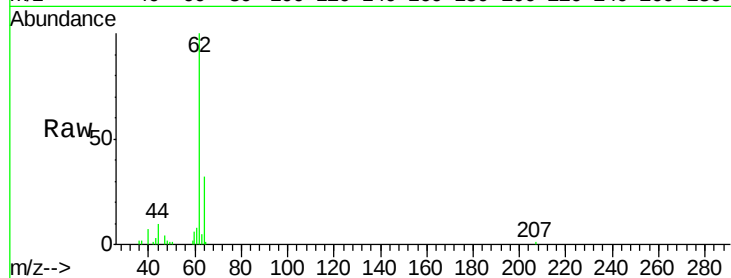
VSTDIC001

Tgt Ion: 62 Resp: 118178

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6



#6

Bromomethane

Concen: 1.00 ppbv

RT: 4.18 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL026825.D

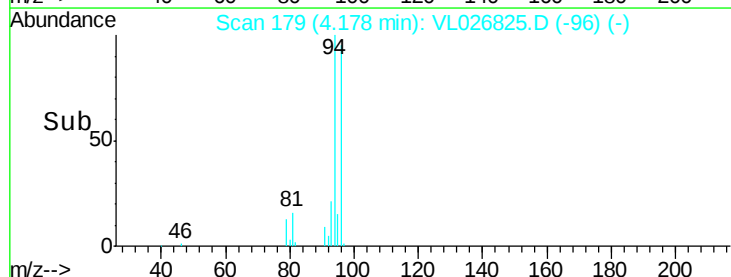
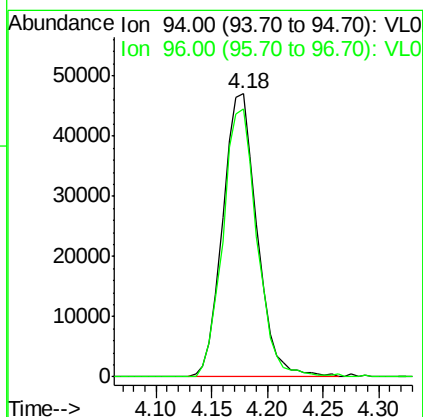
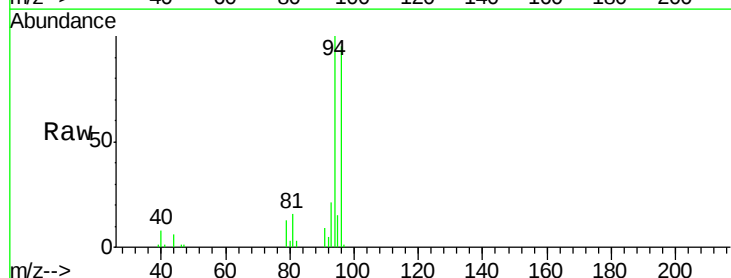
Acq: 9 Feb 2016 18:13

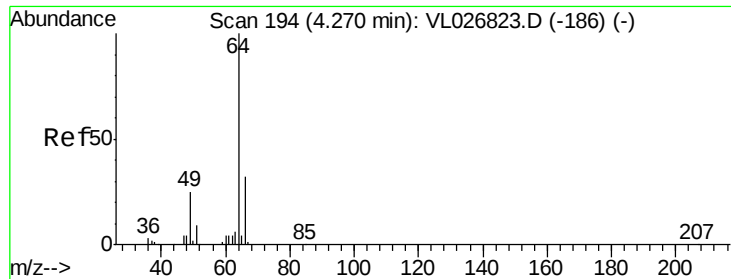
Tgt Ion: 94 Resp: 100658

Ion Ratio Lower Upper

94 100

96 94.5 73.2 109.8





#7

Chloroethane

Concen: 1.01 ppbv

RT: 4.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

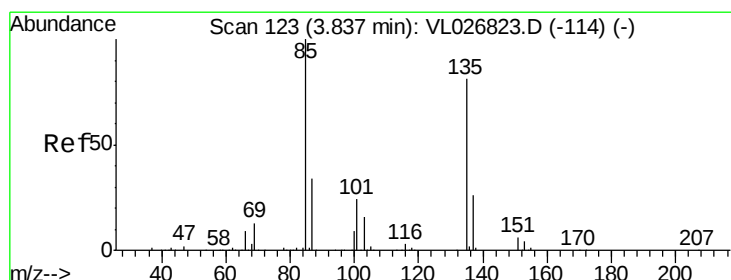
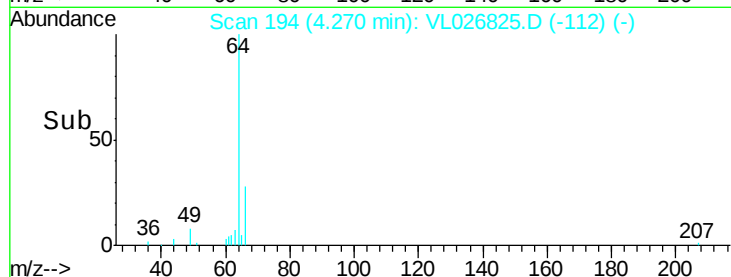
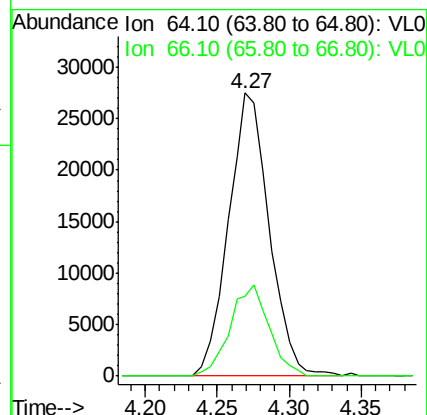
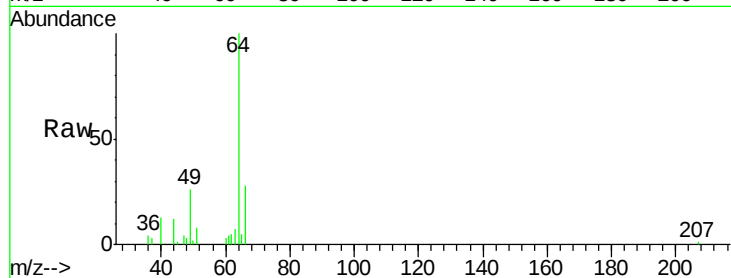
VSTDIC001

Tgt Ion: 64 Resp: 54211

Ion Ratio Lower Upper

64 100

66 28.1 25.4 38.0



#8

Dichlorotetrafluoroethane

Concen: 0.86 ppbv

RT: 3.84 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL026825.D

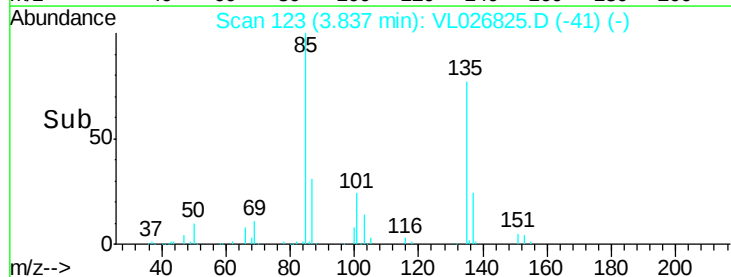
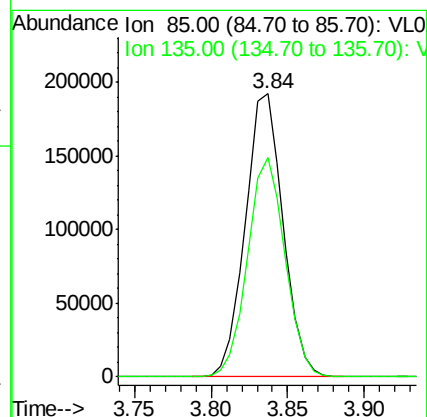
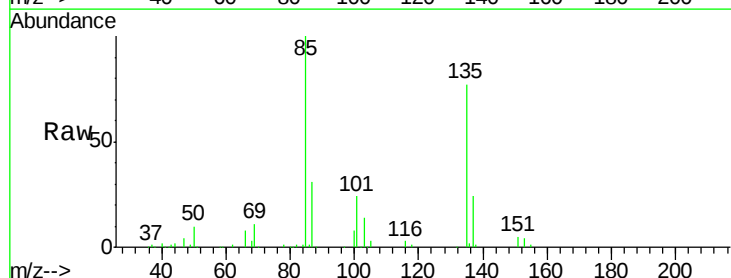
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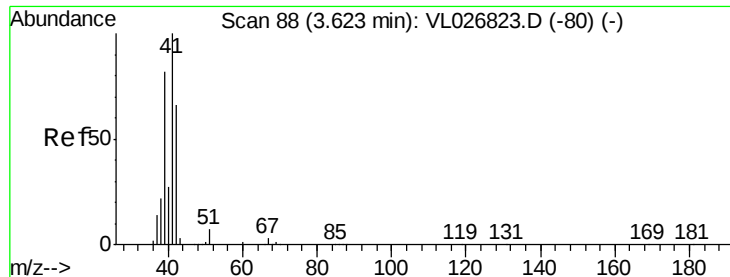
Tgt Ion: 85 Resp: 330487

Ion Ratio Lower Upper

85 100

135 77.0 63.2 94.8





#9

Propene

Concen: 1.12 ppbv

RT: 3.62 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

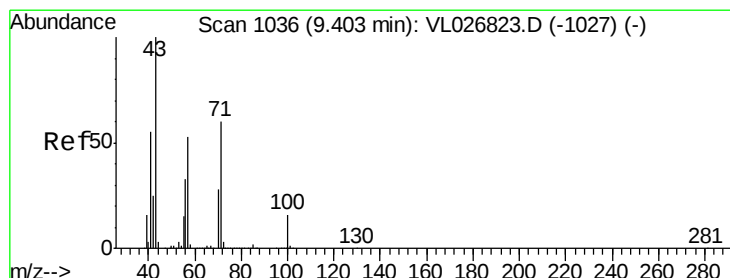
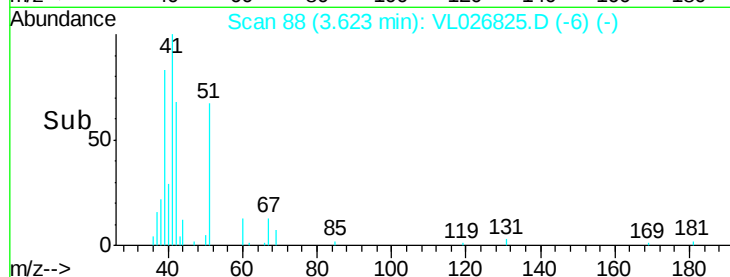
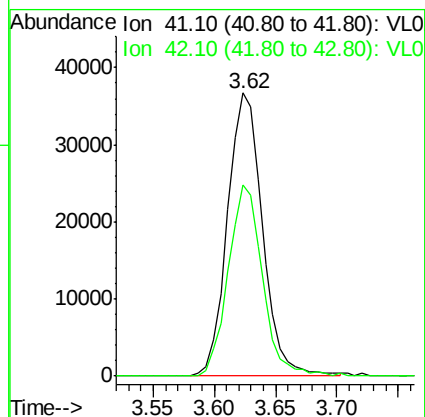
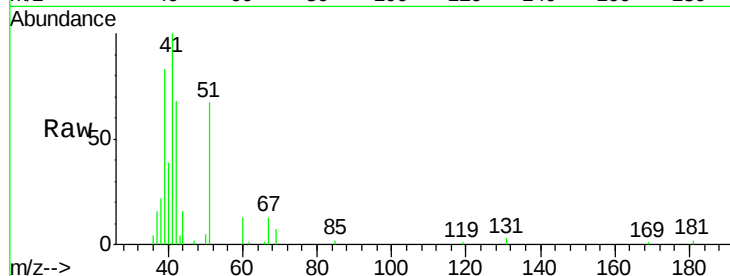
VSTDIC001

Tgt Ion: 41 Resp: 72834

Ion Ratio Lower Upper

41 100

42 65.8 52.8 79.2



#10

Heptane

Concen: 0.92 ppbv

RT: 9.40 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VL026825.D

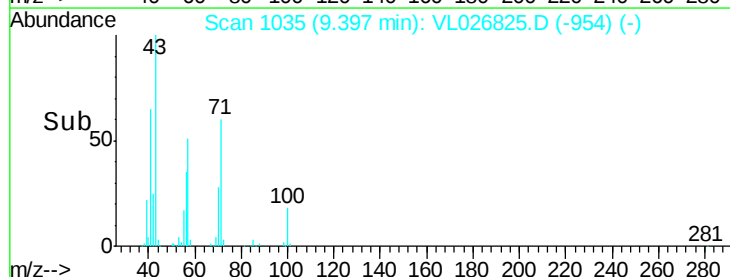
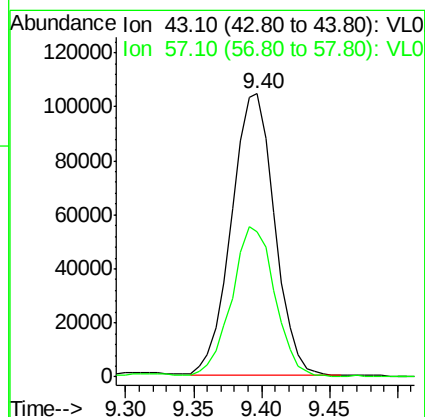
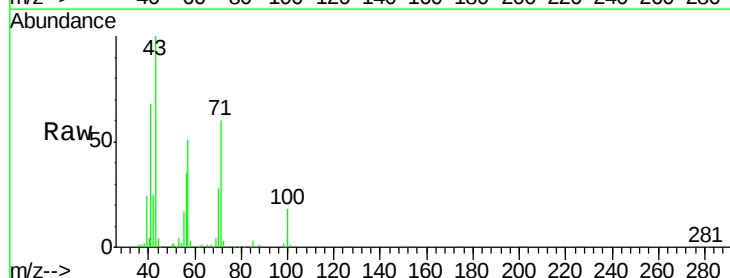
Acq: 9 Feb 2016 18:13

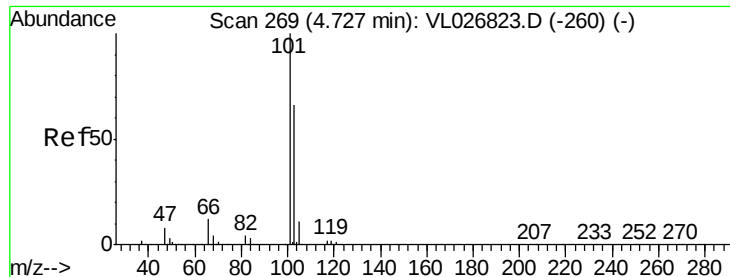
Tgt Ion: 43 Resp: 230938

Ion Ratio Lower Upper

43 100

57 55.6 44.0 66.0

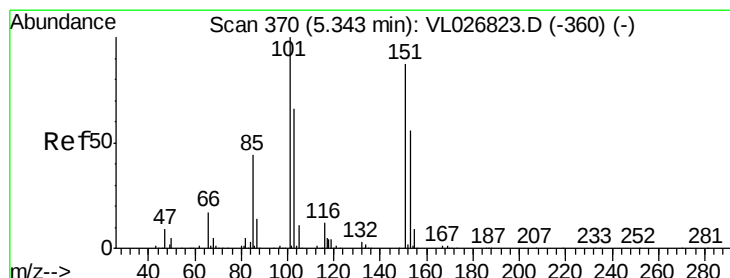
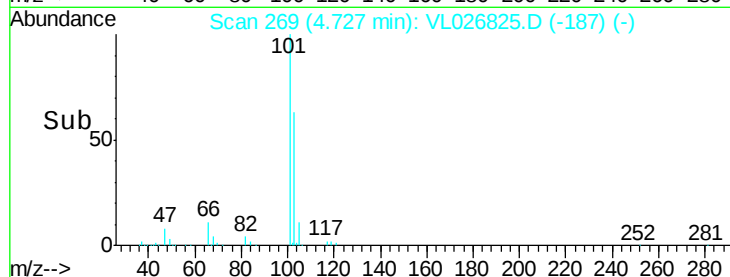
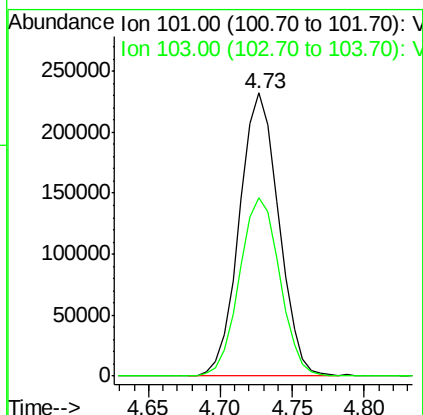
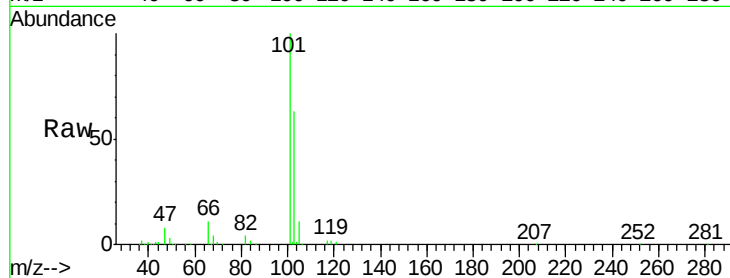




#11
 Trichlorofluoromethane
 Concen: 0.73 ppbv
 RT: 4.73 min Scan# 269
 Delta R.T. -0.00 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

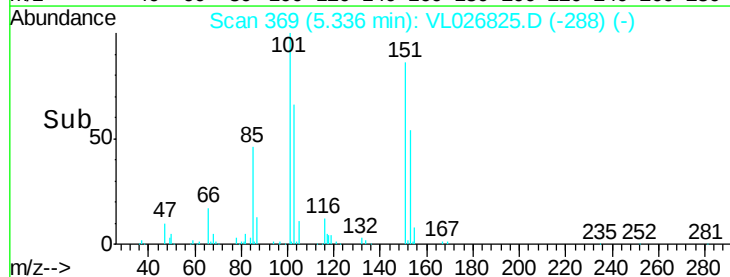
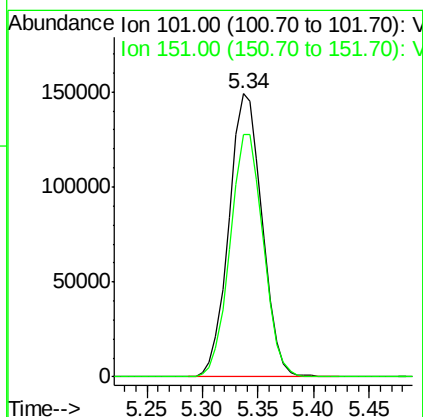
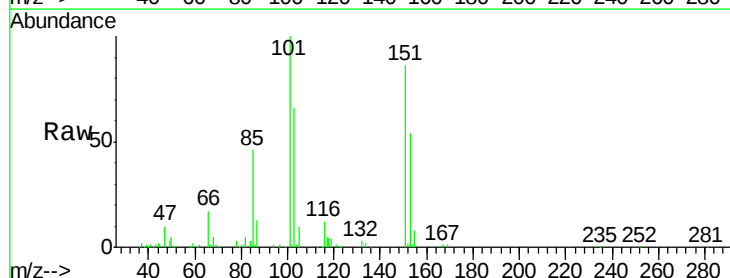
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

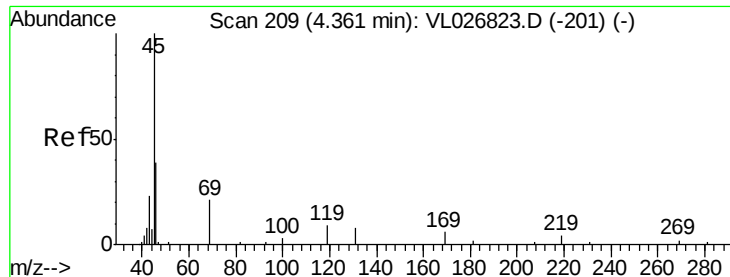
Tgt Ion:101 Resp: 441616
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.7 79.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.87 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion:101 Resp: 308152
 Ion Ratio Lower Upper
 101 100
 151 85.7 69.4 104.0

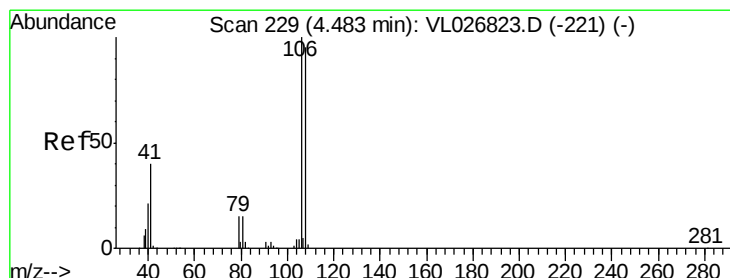
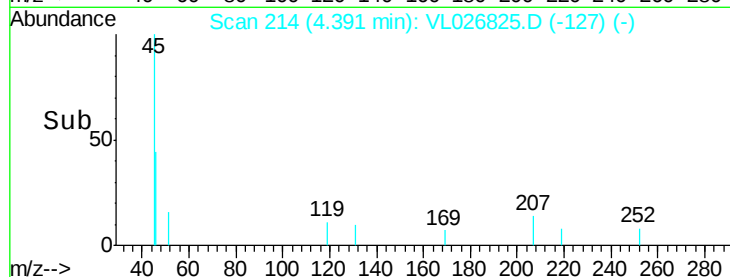
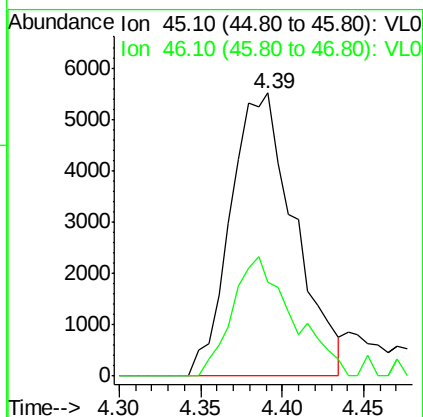
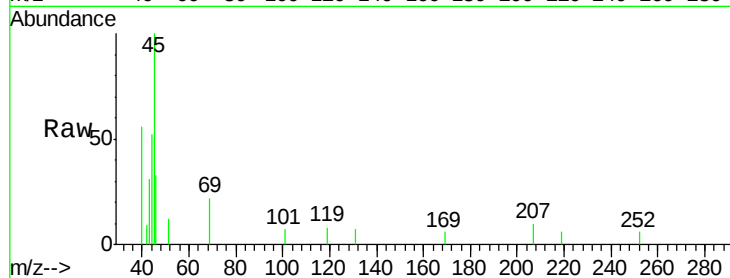




#13
Ethanol
Concen: 1.00 ppbv
RT: 4.39 min Scan# 214
Delta R.T. 0.03 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

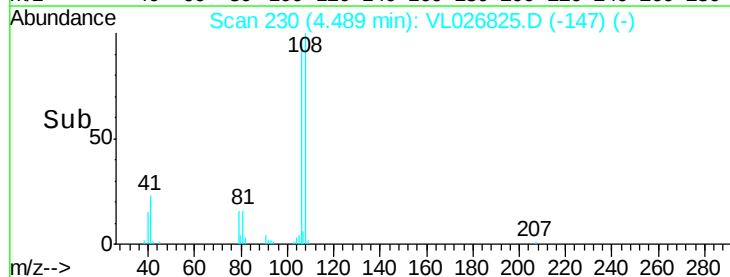
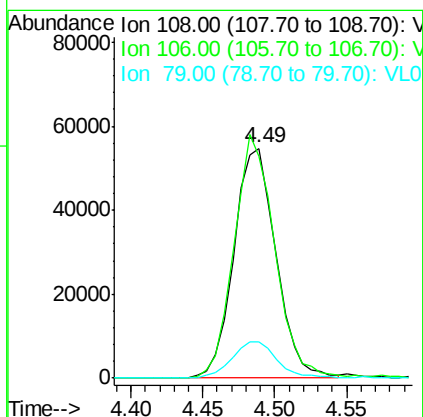
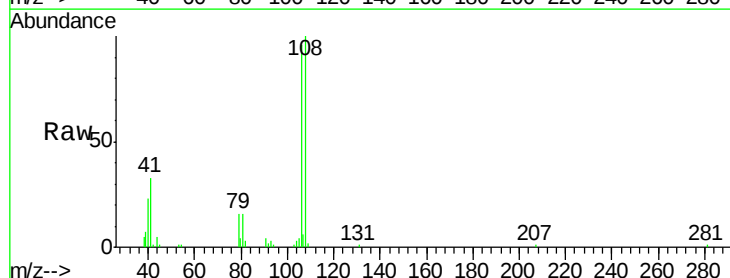
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

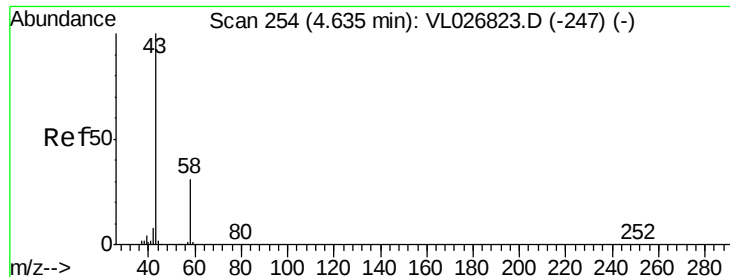
Tgt Ion: 45 Resp: 15046
Ion Ratio Lower Upper
45 100
46 40.7 15.8 63.4



#14
Bromoethene
Concen: 0.97 ppbv
RT: 4.49 min Scan# 230
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 108 Resp: 111368
Ion Ratio Lower Upper
108 100
106 103.4 84.6 126.8
79 16.8 13.4 20.0





#15

Acetone

Concen: 0.67 ppbv

RT: 4.65 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

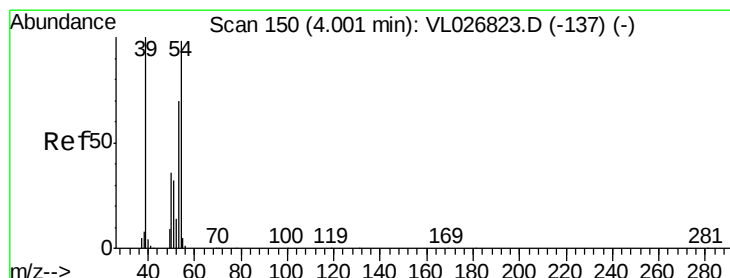
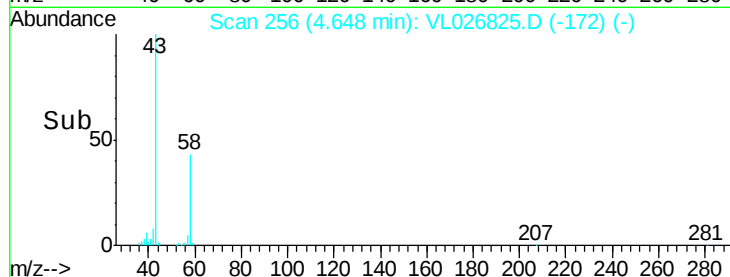
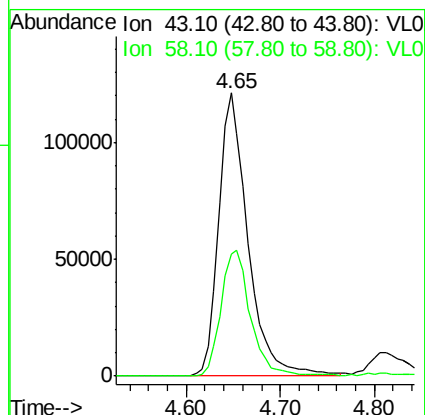
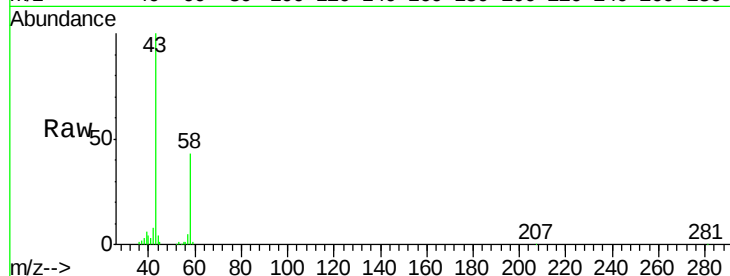
VSTDIC001

Tgt Ion: 43 Resp: 261972

Ion Ratio Lower Upper

43 100

58 44.9 25.2 37.8#



#16

1,3-Butadiene

Concen: 0.87 ppbv

RT: 4.00 min Scan# 150

Delta R.T. -0.00 min

Lab File: VL026825.D

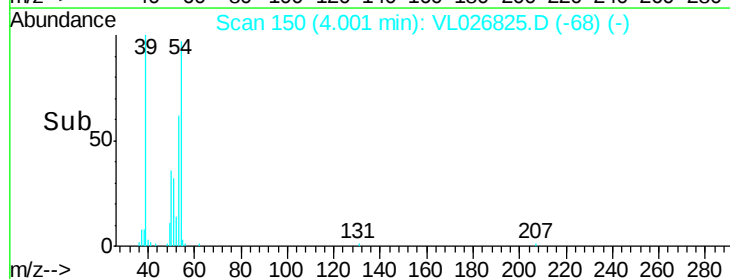
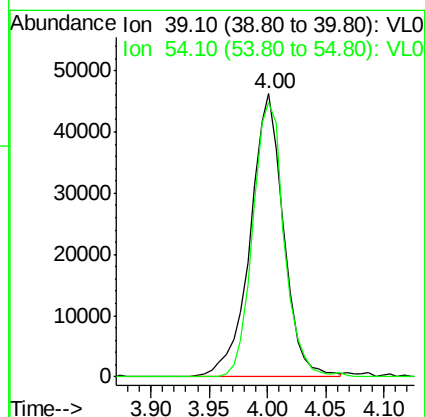
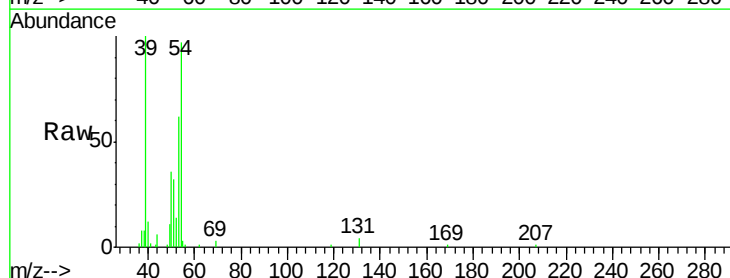
Acq: 9 Feb 2016 18:13

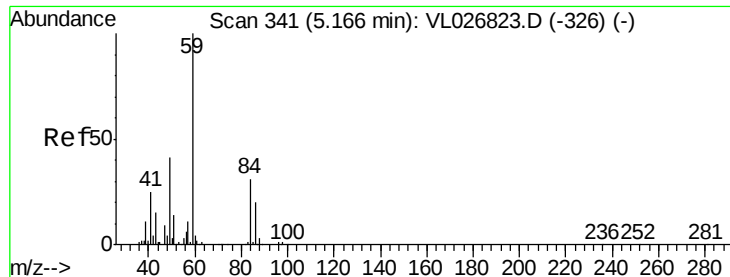
Tgt Ion: 39 Resp: 92423

Ion Ratio Lower Upper

39 100

54 91.1 74.7 112.1





#17

tert-Butyl alcohol

Concen: 0.74 ppbv

RT: 5.19 min Scan# 345

Delta R.T. 0.02 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

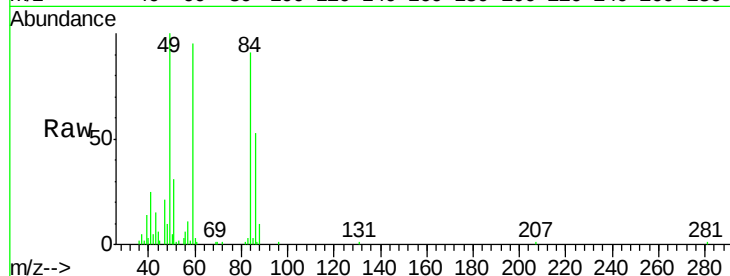
VSTDIC001

Tgt Ion: 59 Resp: 153995

Ion Ratio Lower Upper

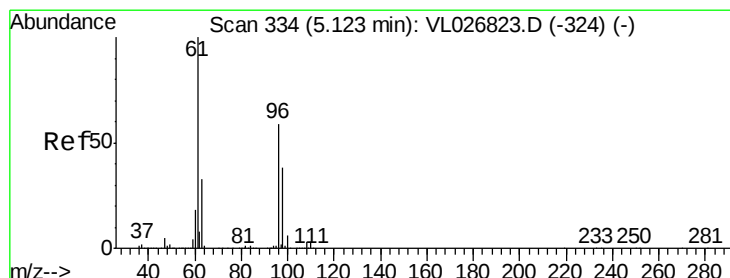
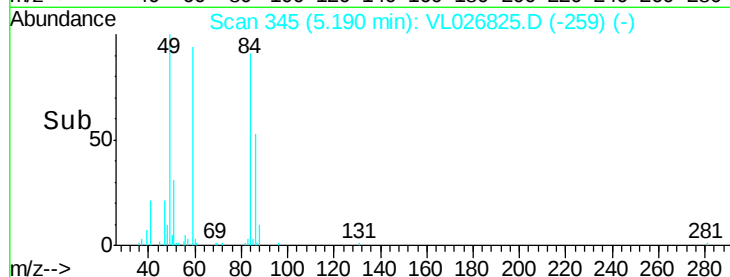
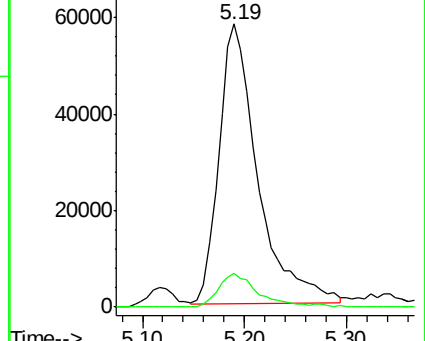
59 100

57 12.4 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.93 ppbv

RT: 5.12 min Scan# 333

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

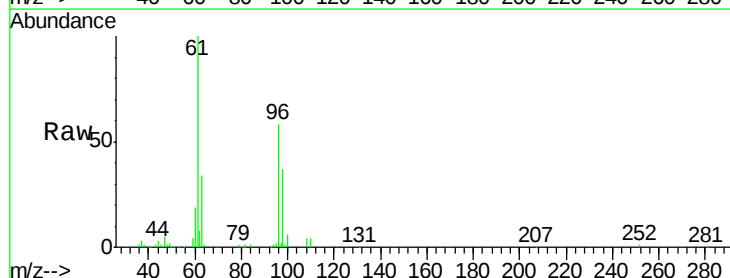
Tgt Ion: 96 Resp: 127009

Ion Ratio Lower Upper

96 100

61 171.5 136.7 205.1

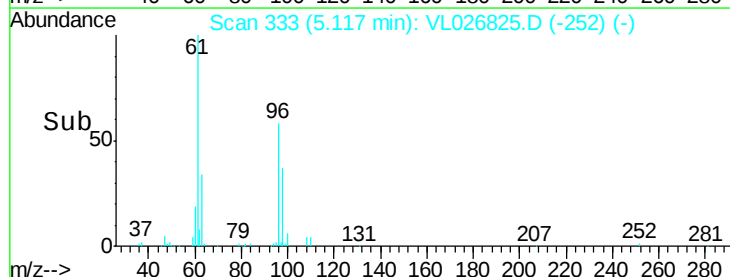
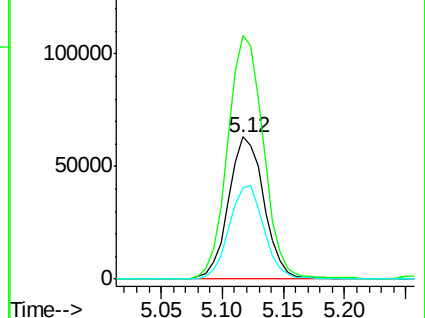
98 64.1 52.1 78.1

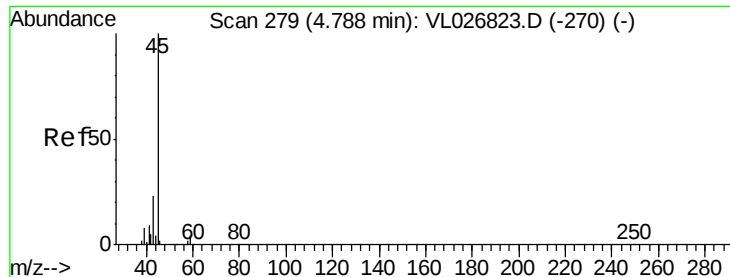


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.86 ppbv

RT: 4.81 min Scan# 283

Delta R.T. 0.02 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

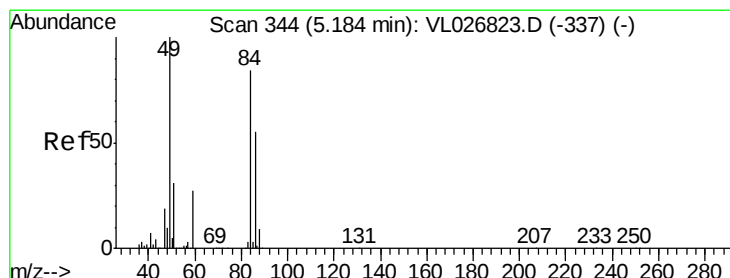
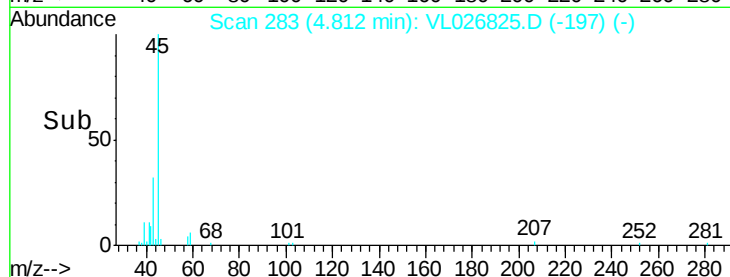
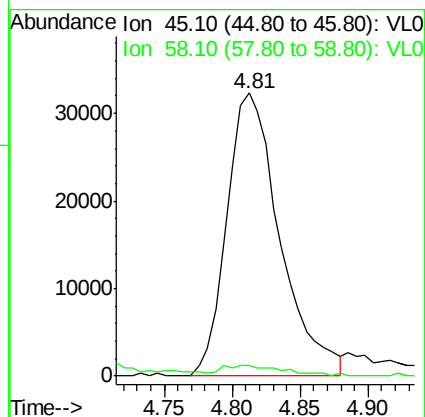
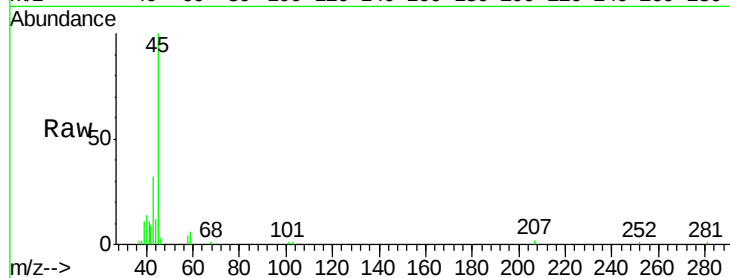
VSTDIC001

Tgt Ion: 45 Resp: 88150

Ion Ratio Lower Upper

45 100

58 4.9 2.2 3.2#



#20

Methylene Chloride

Concen: 0.97 ppbv

RT: 5.18 min Scan# 344

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Tgt Ion: 84 Resp: 122545

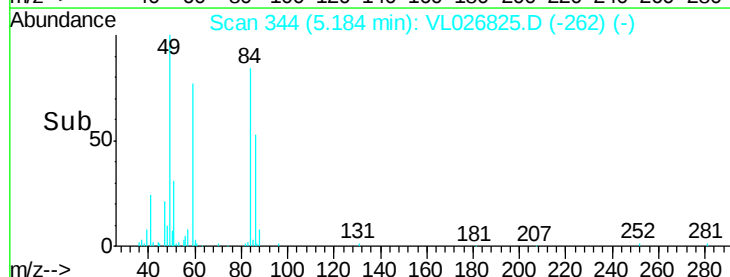
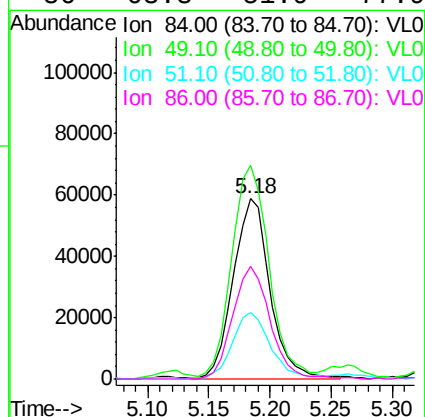
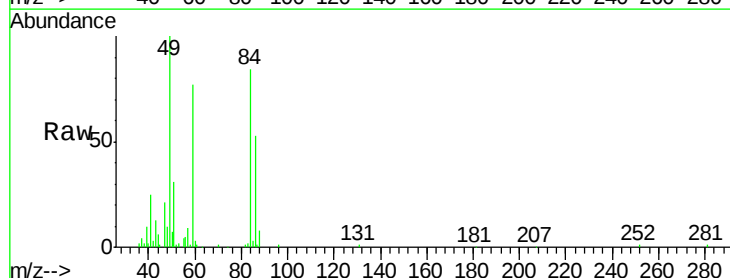
Ion Ratio Lower Upper

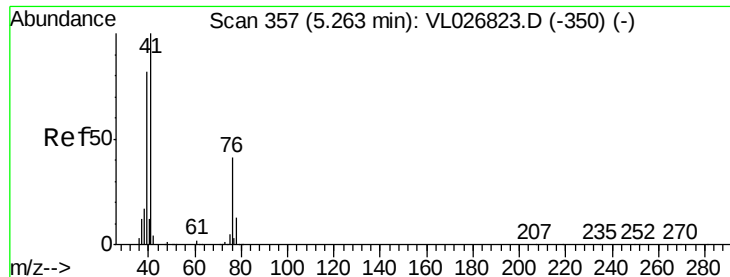
84 100

49 117.4 94.9 142.3

51 36.3 29.5 44.3

86 63.3 51.9 77.9

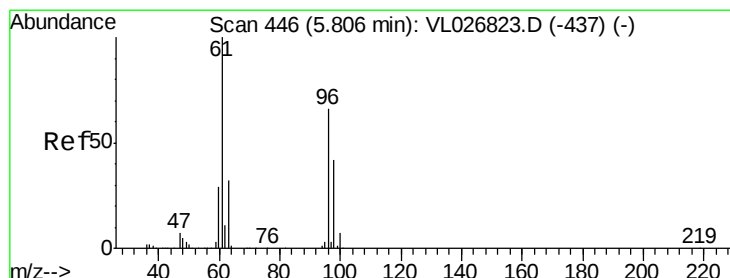
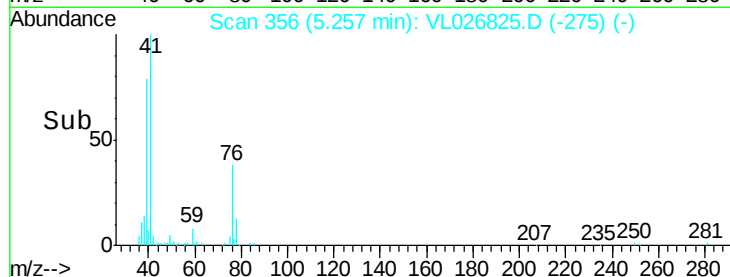
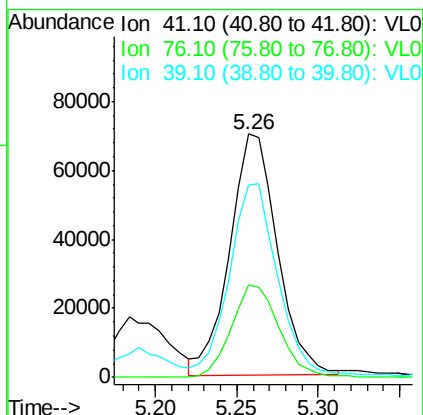
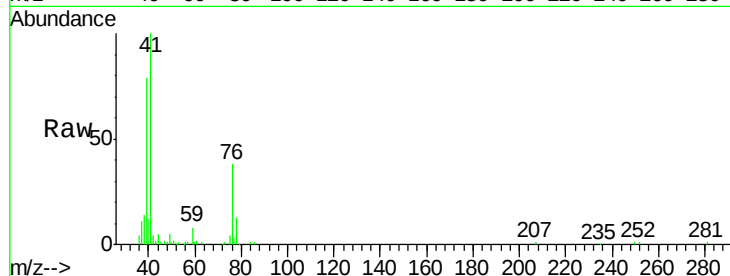




#21
 Allyl Chloride
 Concen: 0.86 ppbv
 RT: 5.26 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

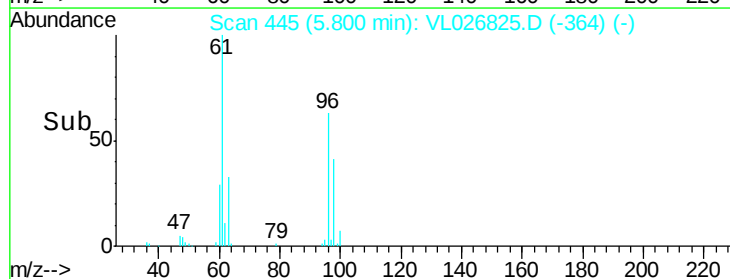
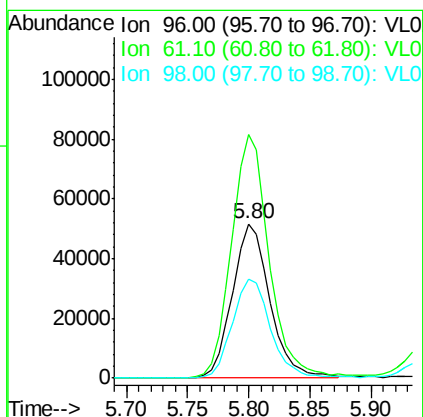
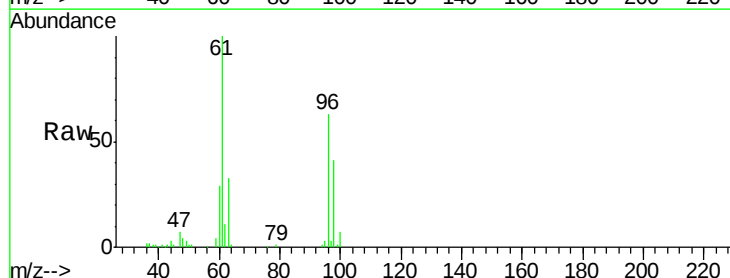
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

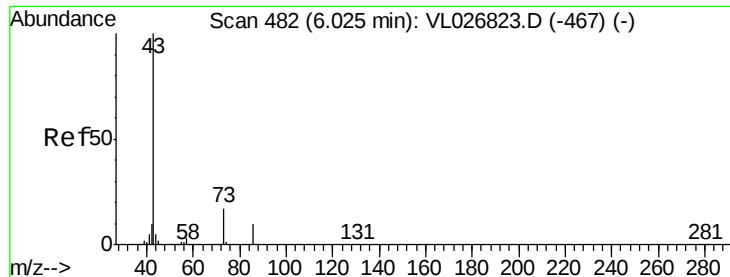
Tgt Ion: 41 Resp: 142365
 Ion Ratio Lower Upper
 41 100
 76 38.3 32.0 48.0
 39 98.6 64.6 96.8#



#22
 trans-1,2-Dichloroethene
 Concen: 0.84 ppbv
 RT: 5.80 min Scan# 445
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 96 Resp: 110070
 Ion Ratio Lower Upper
 96 100
 61 157.9 121.6 182.4
 98 64.6 50.6 76.0





#23

Vinyl Acetate

Concen: 0.74 ppbv

RT: 6.02 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 307503

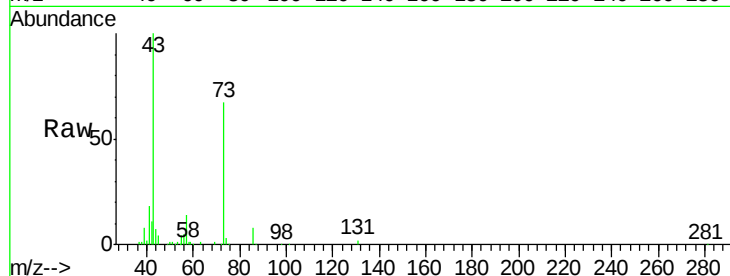
Ion Ratio Lower Upper

43 100

86 8.1 7.7 11.5

42 11.1 7.8 11.8

44 5.3 3.9 5.9

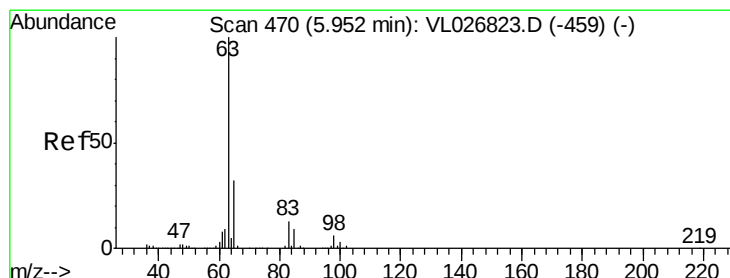
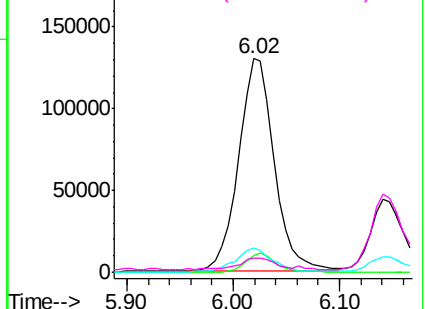
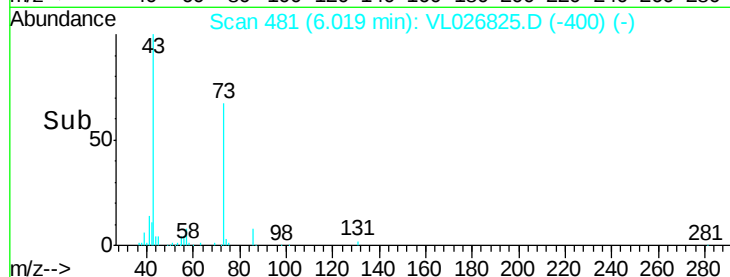


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.87 ppbv

RT: 5.94 min Scan# 468

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

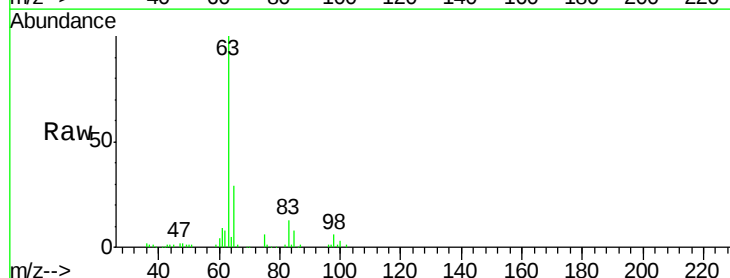
Tgt Ion: 63 Resp: 254547

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

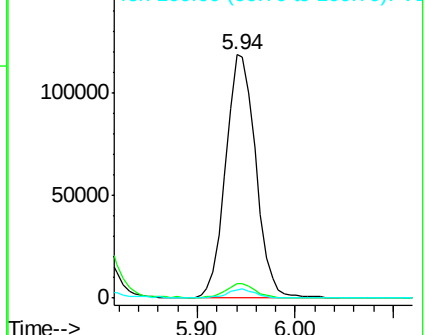
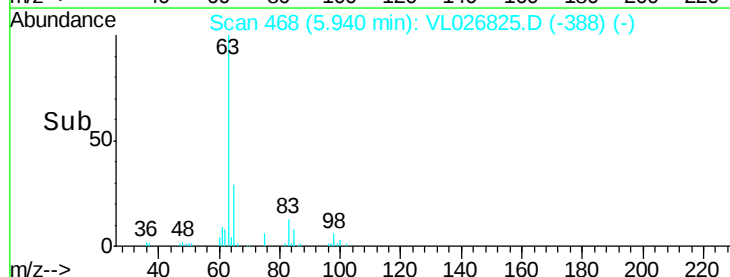
100 3.2 1.7 5.1

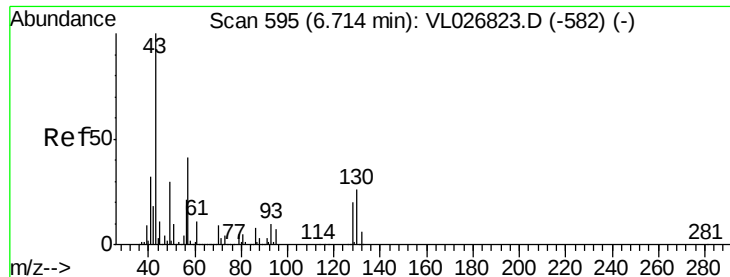


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

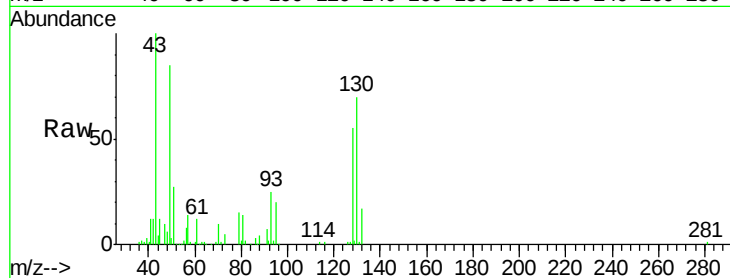




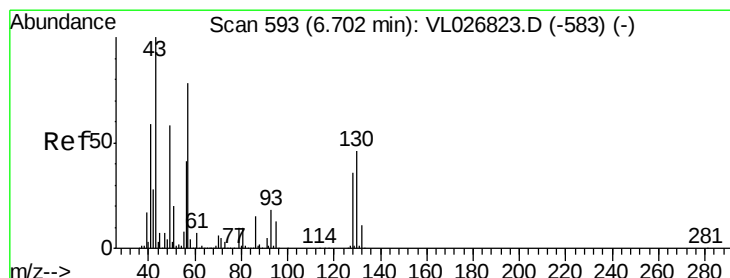
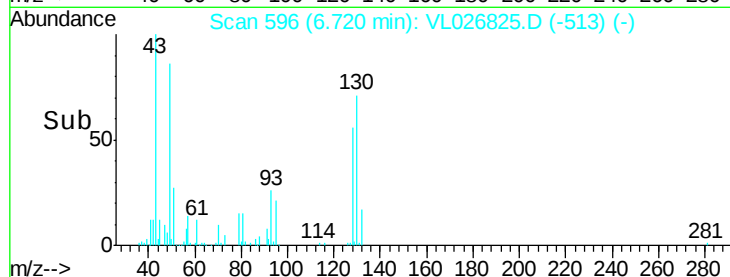
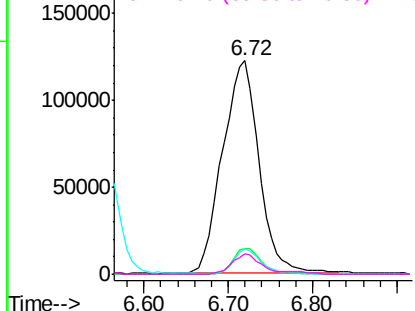
#25
Ethyl Acetate
Concen: 0.94 ppbv
RT: 6.72 min Scan# 596
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	43	Resp:	360521
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.2	7.9	11.9
70	8.2	6.9	10.3

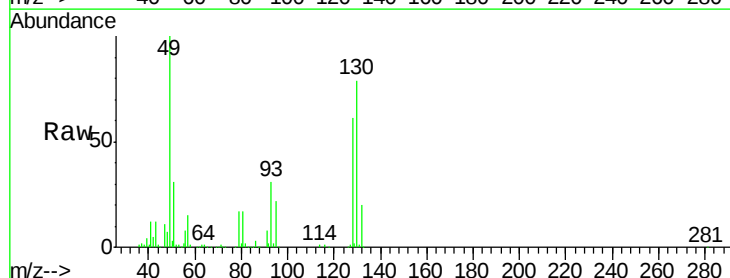


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

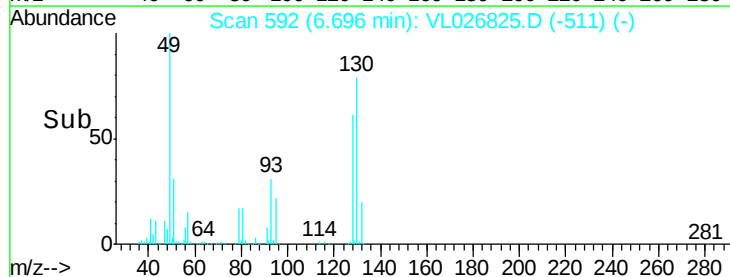
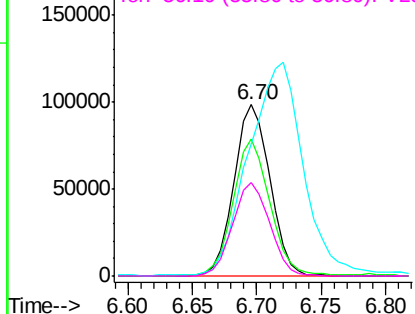


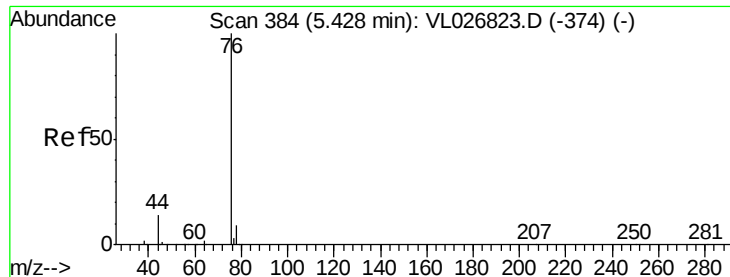
#26
Hexane
Concen: 1.00 ppbv
RT: 6.70 min Scan# 592
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:	57	Resp:	190991
Ion	Ratio	Lower	Upper
57	100		
41	82.9	63.3	94.9
43	196.3	151.4	227.2
56	56.1	42.2	63.2



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

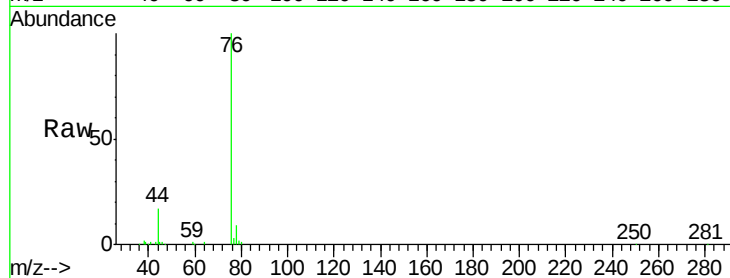




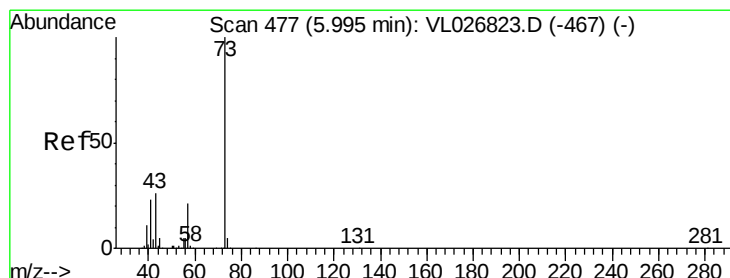
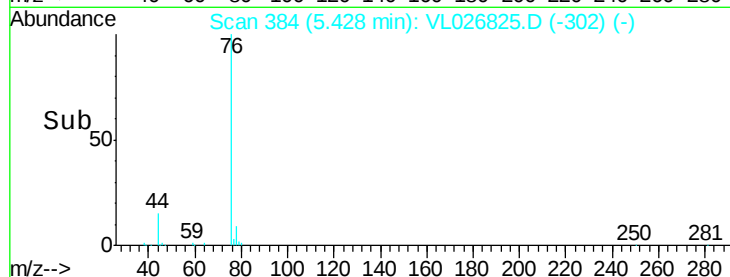
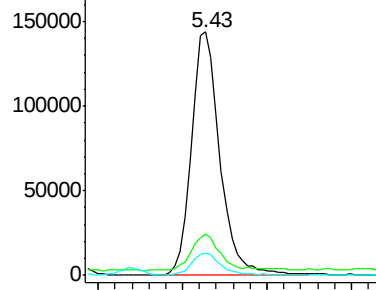
#27
Carbon Disulfide
Concen: 0.88 ppbv
RT: 5.43 min Scan# 384
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 76 Resp: 334312
Ion Ratio Lower Upper
76 100
44 16.5 12.1 18.1
78 9.6 7.7 11.5

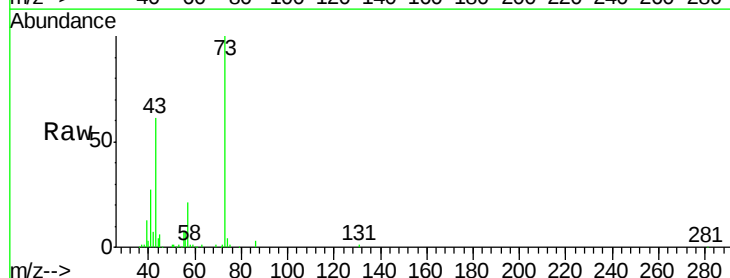


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

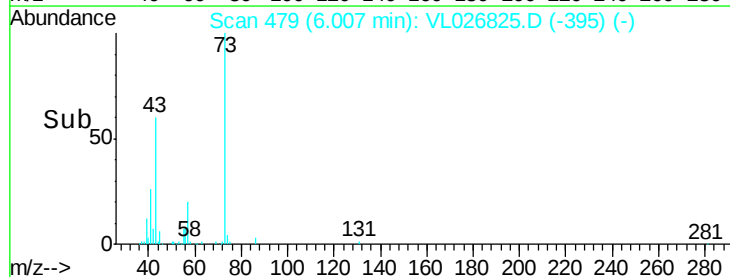
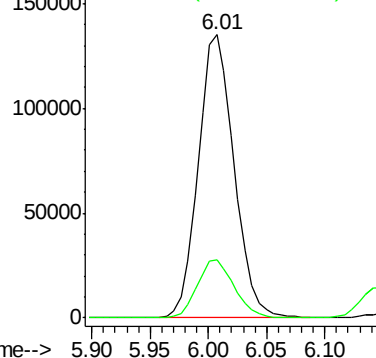


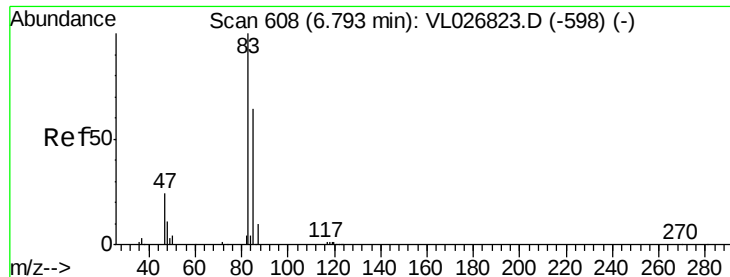
#28
Methyl tert-Butyl Ether
Concen: 0.68 ppbv
RT: 6.01 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 73 Resp: 288413
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.6



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

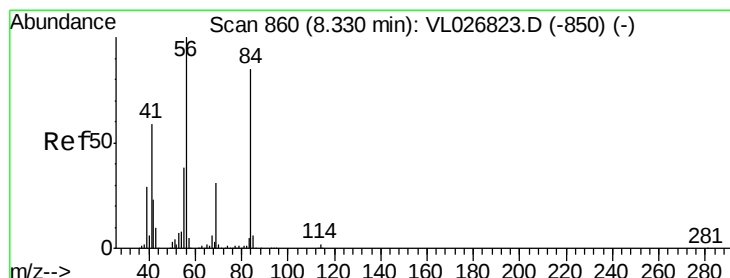
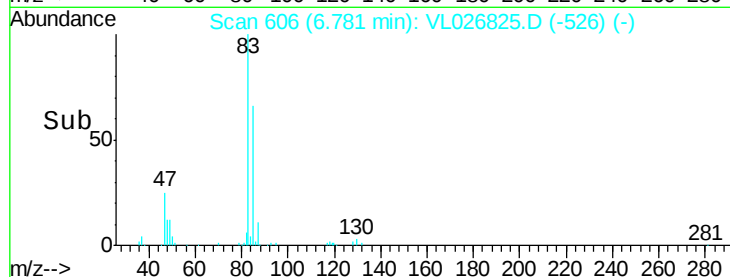
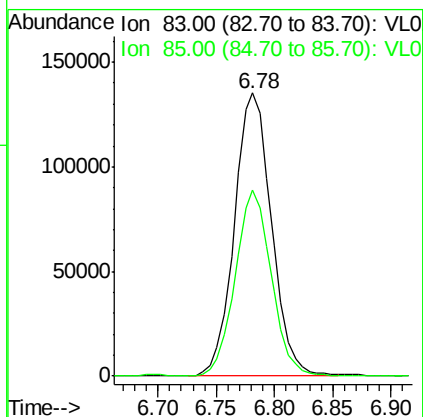
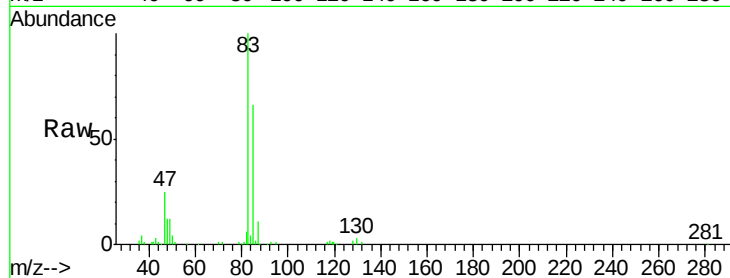




#29
Chloroform
Concen: 0.70 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

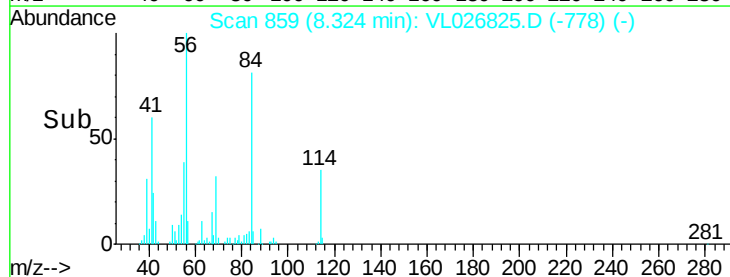
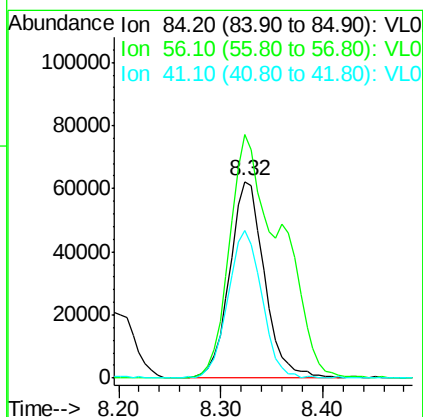
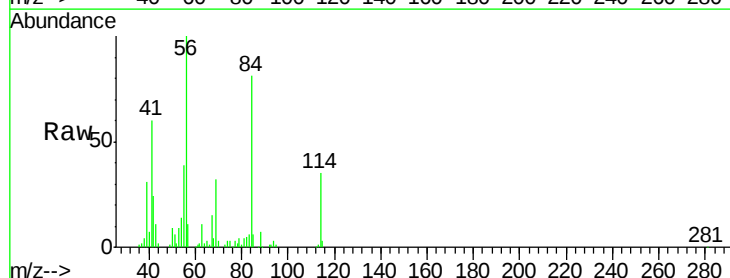
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

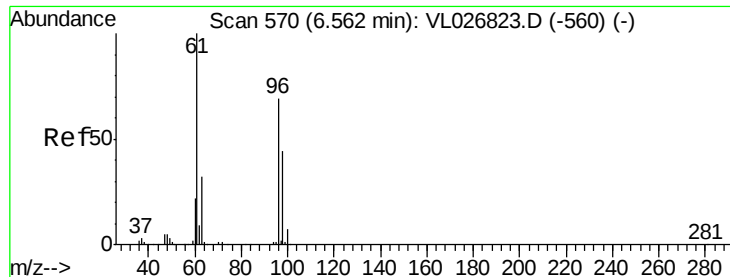
Tgt Ion: 83 Resp: 300224
Ion Ratio Lower Upper
83 100
85 65.6 51.5 77.3



#30
Cyclohexane
Concen: 0.75 ppbv
RT: 8.32 min Scan# 859
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 84 Resp: 147335
Ion Ratio Lower Upper
84 100
56 180.9 99.4 149.2#
41 73.1 56.7 85.1





#31

cis-1,2-Dichloroethene

Concen: 0.74 ppbv

RT: 6.56 min Scan# 569

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

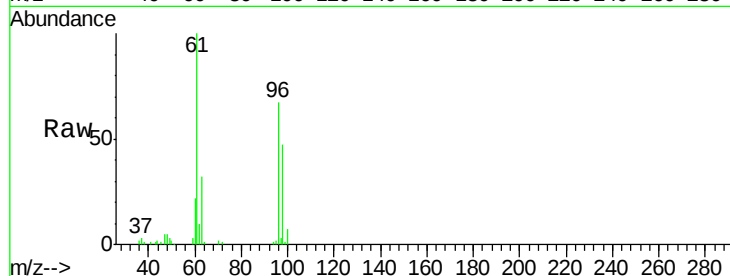
Tgt Ion: 61 Resp: 152971

Ion Ratio Lower Upper

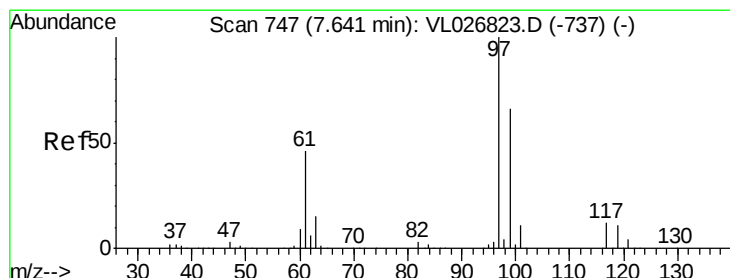
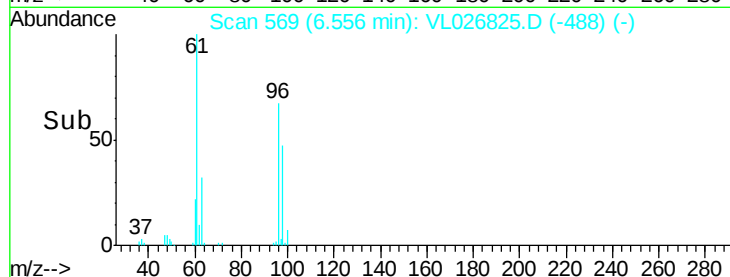
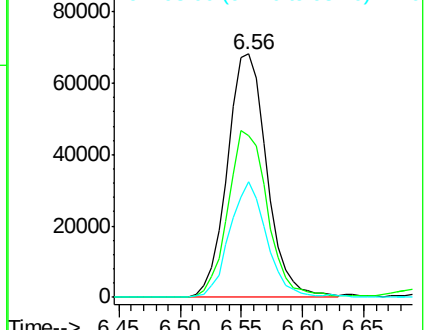
61 100

96 66.6 55.2 82.8

98 47.4 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: 0.60 ppbv

RT: 7.63 min Scan# 746

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

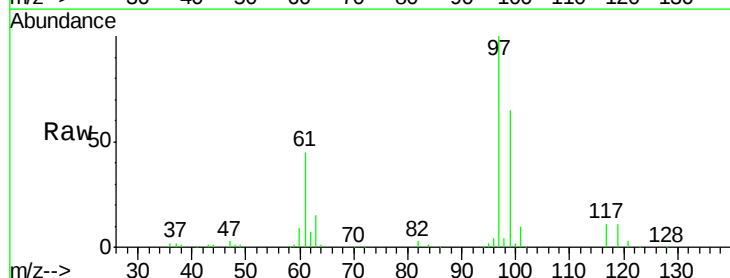
Tgt Ion: 97 Resp: 290642

Ion Ratio Lower Upper

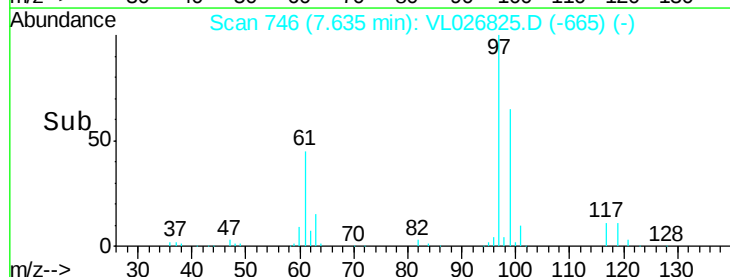
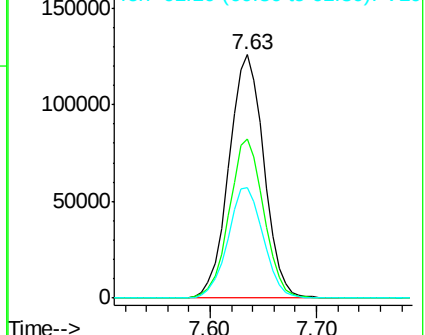
97 100

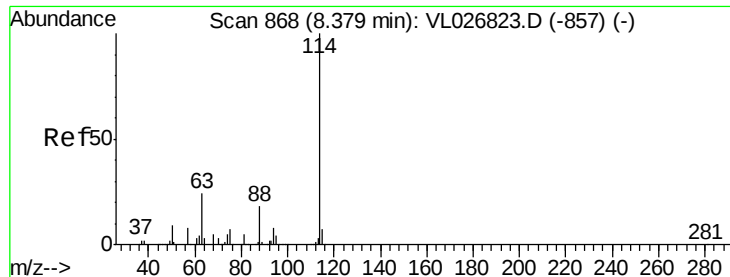
99 64.5 52.0 78.0

61 45.9 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

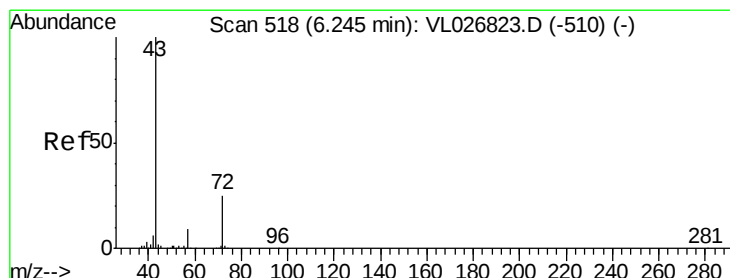
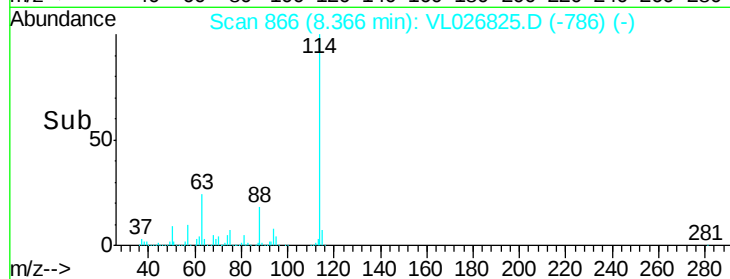
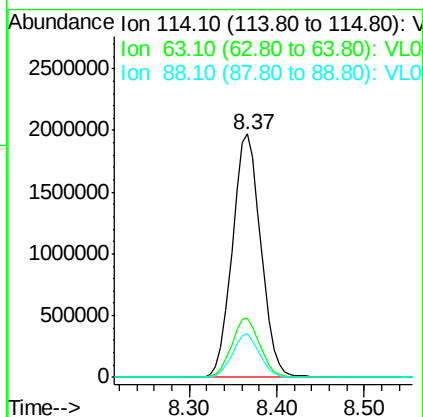
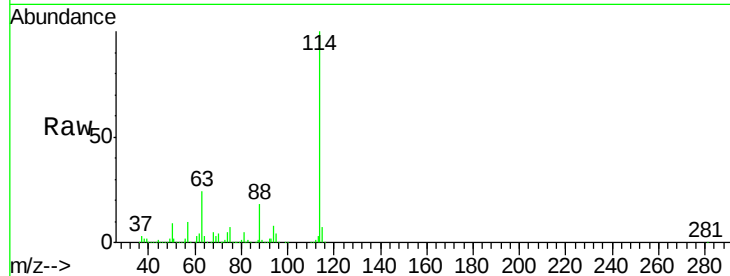




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

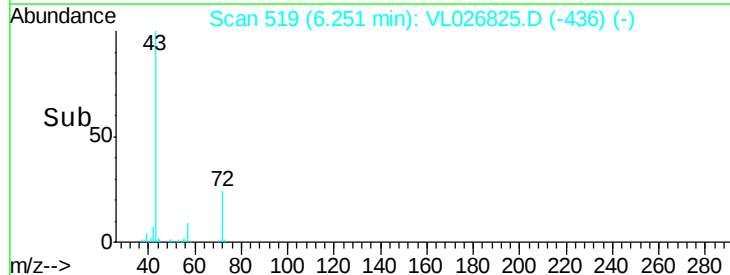
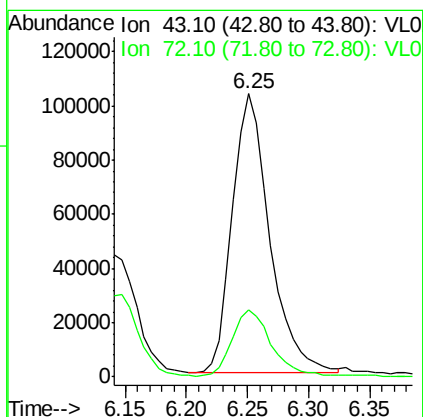
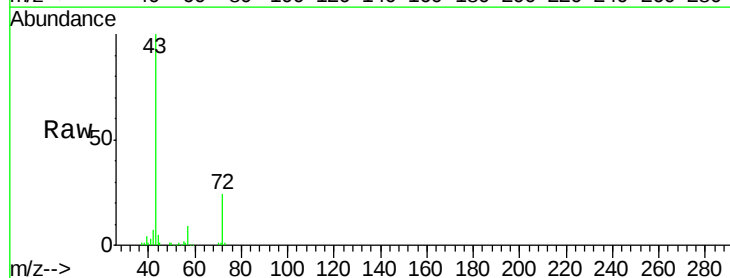
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

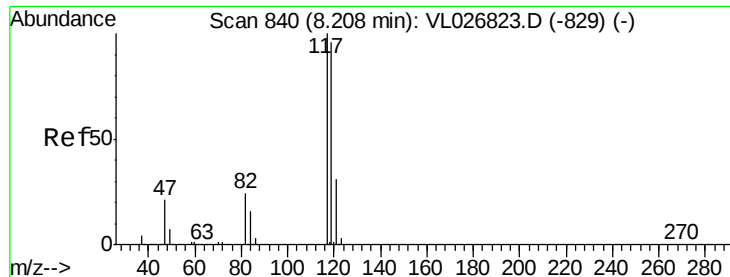
Tgt Ion:114 Resp: 4460108
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.7 29.5
 88 17.3 13.8 20.6



#34
 2-Butanone
 Concen: 1.06 ppbv
 RT: 6.25 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 218925
 Ion Ratio Lower Upper
 43 100
 72 25.9 19.8 29.8





#35

Carbon Tetrachloride

Concen: 0.69 ppbv

RT: 8.20 min Scan# 839

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

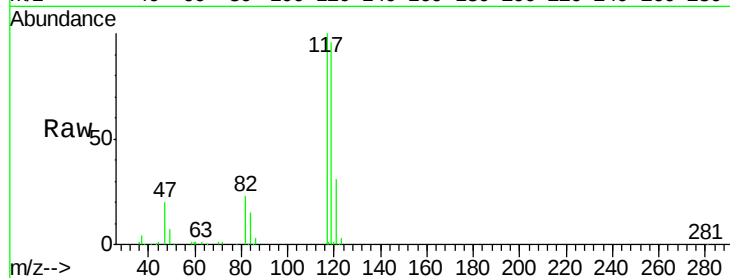
Tgt Ion:117 Resp: 305841

Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0

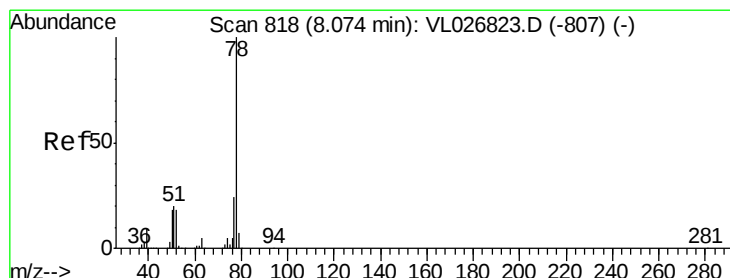
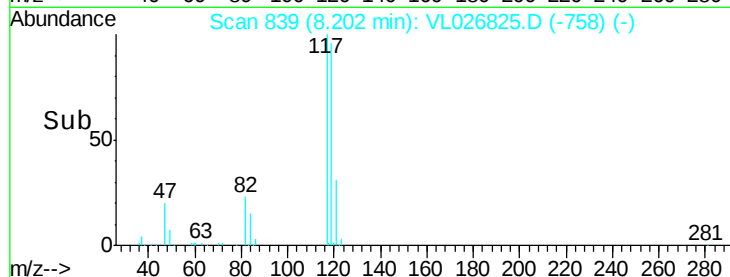
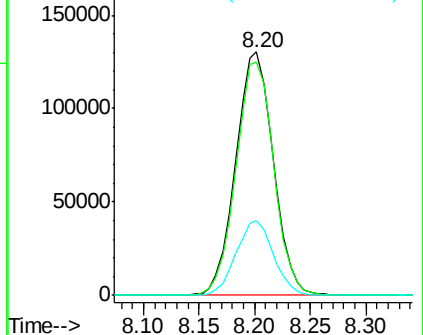
121 30.8 25.0 37.4



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: 0.91 ppbv

RT: 8.06 min Scan# 816

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

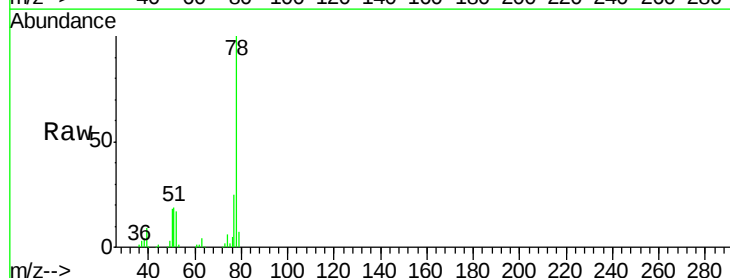
Tgt Ion: 78 Resp: 338555

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.6

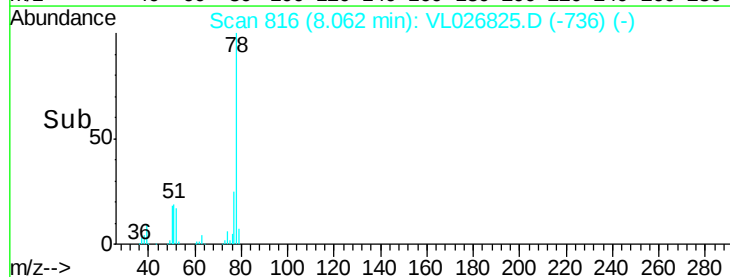
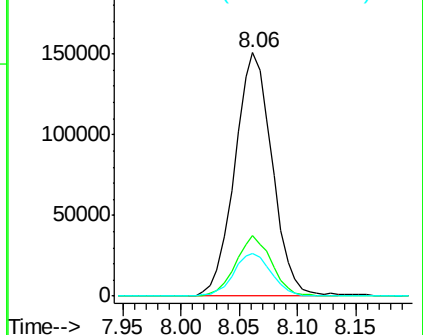
50 17.6 14.2 21.4

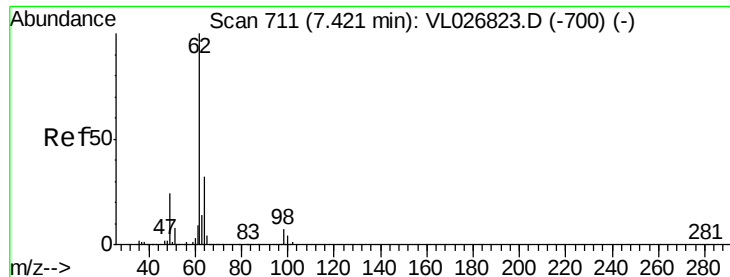


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

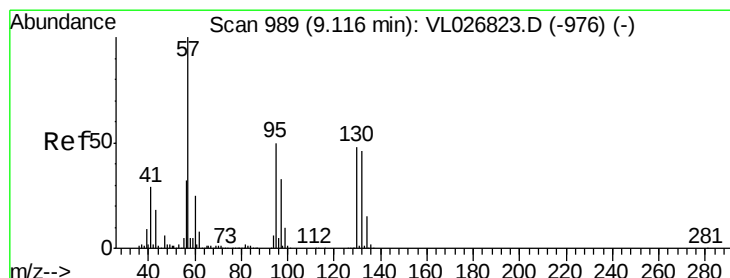
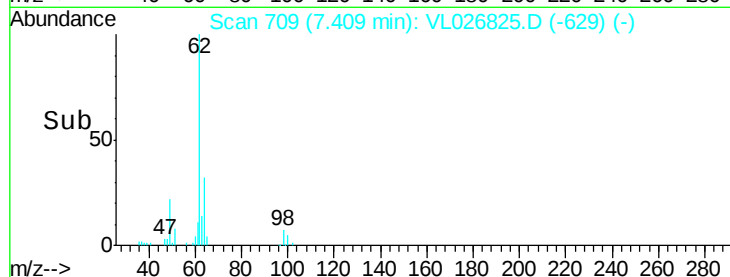
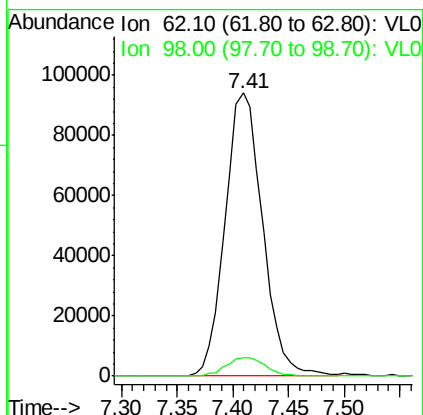
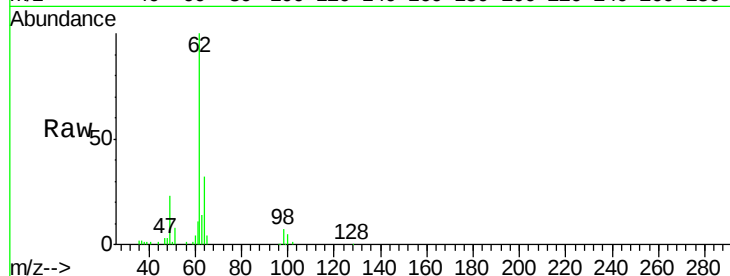




#37
 1,2-Dichloroethane
 Concen: 0.68 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

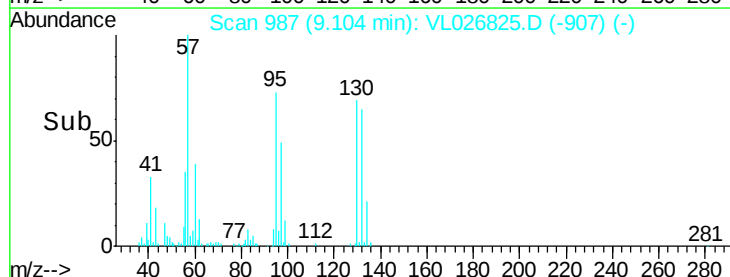
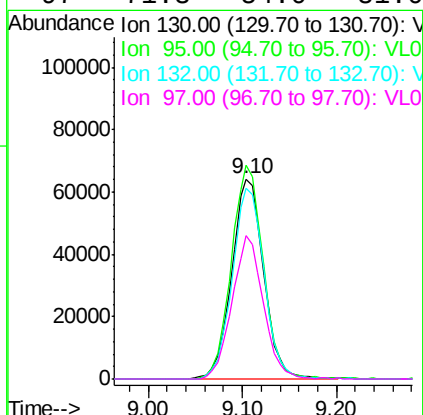
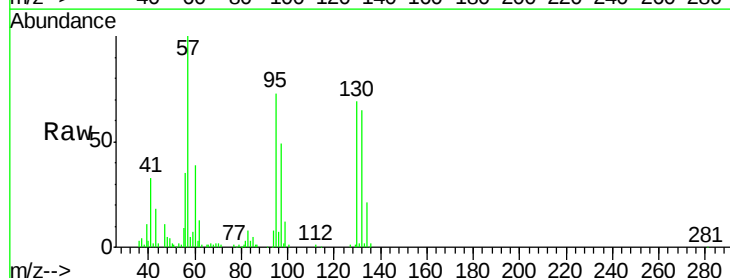
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

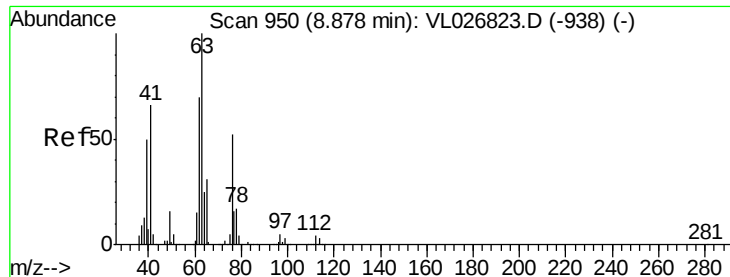
Tgt Ion: 62 Resp: 220265
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.4 8.2



#38
 Trichloroethene
 Concen: 0.86 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 130 Resp: 151398
 Ion Ratio Lower Upper
 130 100
 95 106.7 83.0 124.6
 132 95.2 76.0 114.0
 97 71.3 54.0 81.0

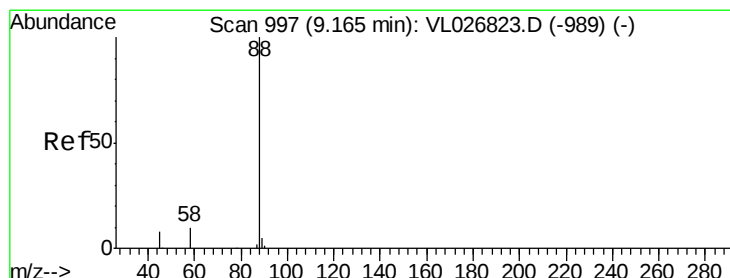
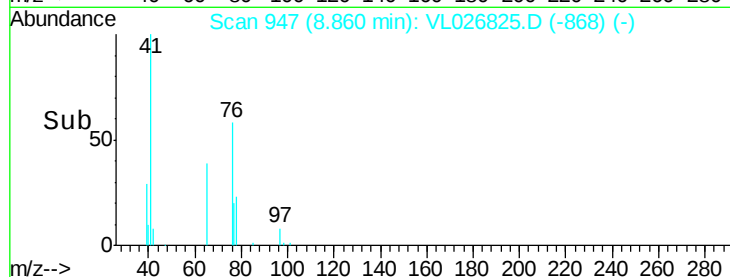
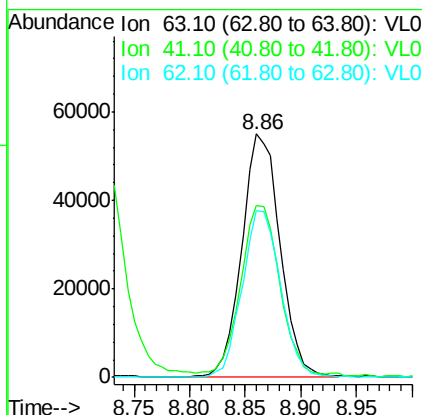
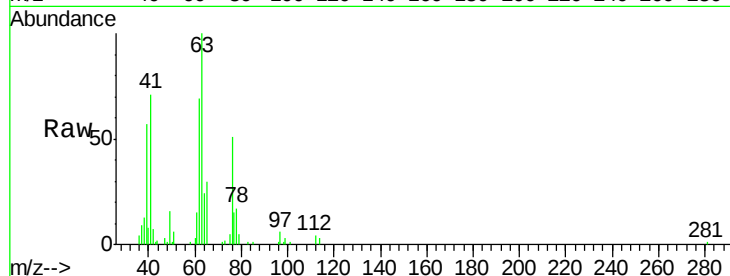




#39
 1,2-Dichloropropane
 Concen: 1.05 ppbv
 RT: 8.86 min Scan# 947
 Delta R.T. -0.02 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

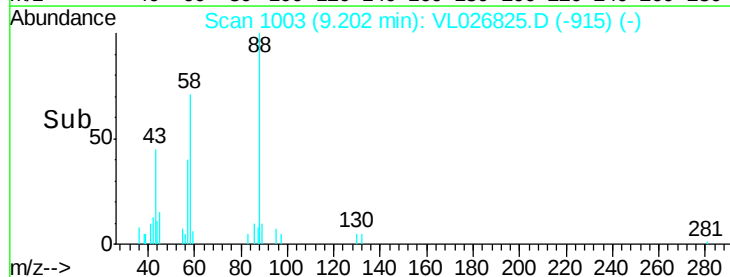
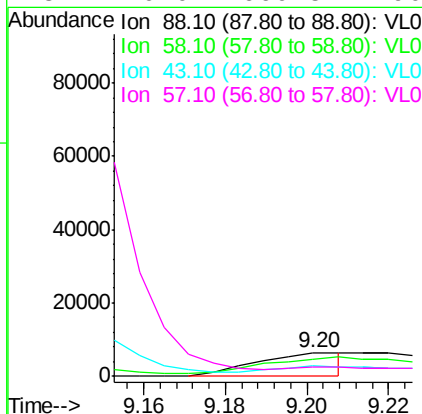
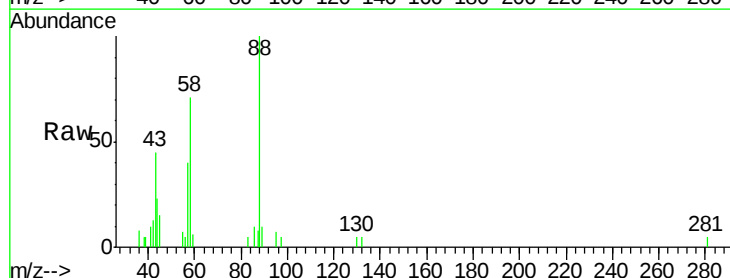
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

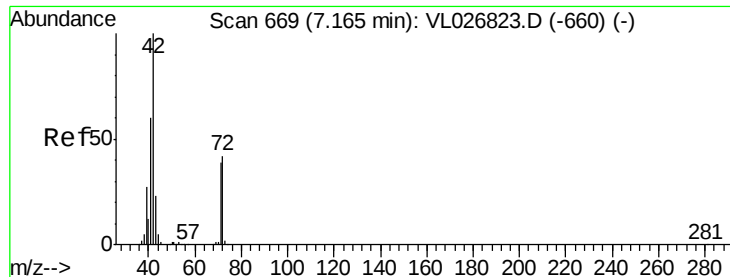
Tgt Ion: 63 Resp: 132375
 Ion Ratio Lower Upper
 63 100
 41 68.8 53.2 79.8
 62 68.7 56.0 84.0



#40
 1,4-Dioxane
 Concen: 0.31 ppbv
 RT: 9.20 min Scan# 1003
 Delta R.T. 0.04 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 88 Resp: 9447
 Ion Ratio Lower Upper
 88 100
 58 237.3 135.6 203.4#
 43 53.4 332.3 498.5#
 57 0.0 1660.5 2490.7#

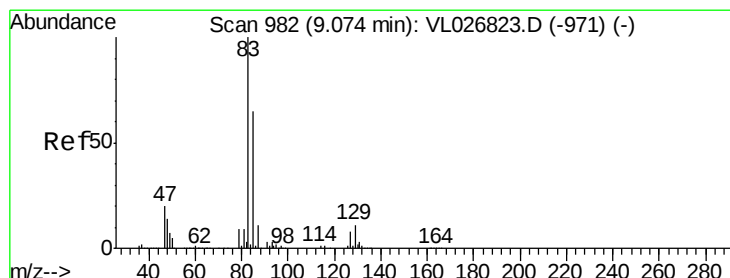
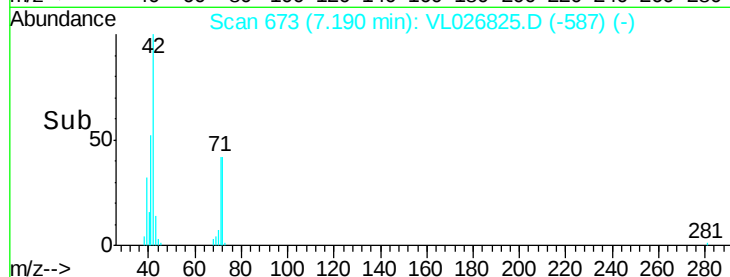
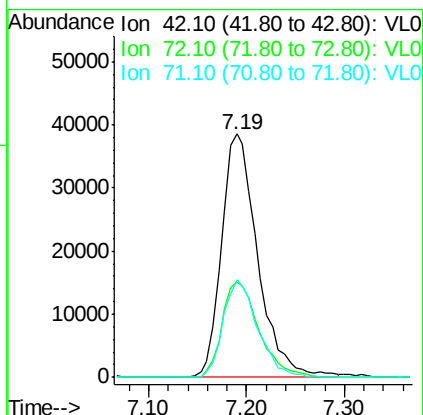
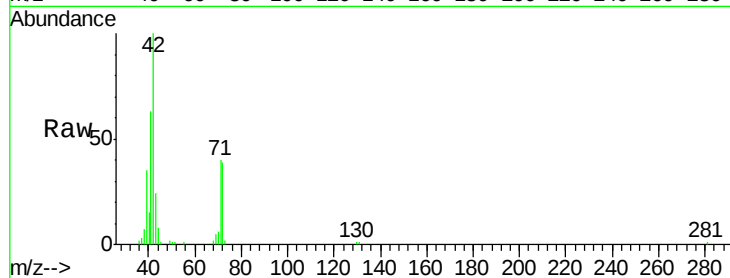




#41
Tetrahydrofuran
Concen: 1.05 ppbv
RT: 7.19 min Scan# 673
Delta R.T. 0.02 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

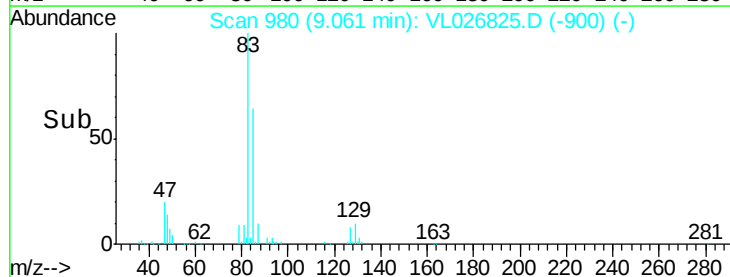
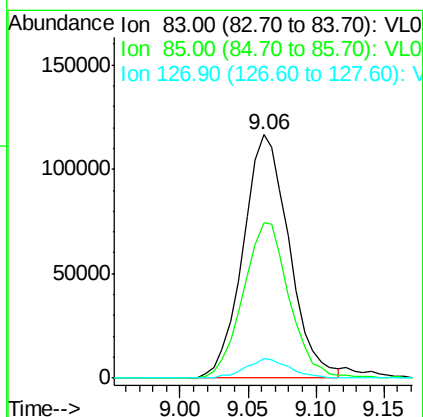
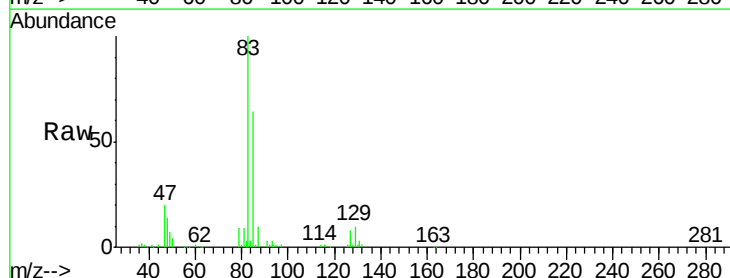
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

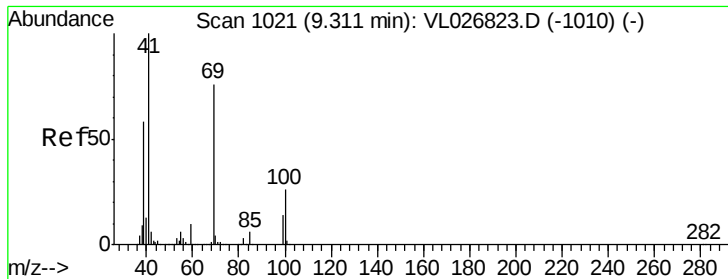
Tgt Ion: 42 Resp: 98885
Ion Ratio Lower Upper
42 100
72 40.0 33.4 50.0
71 38.3 32.1 48.1



#42
Bromodichloromethane
Concen: 0.66 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 83 Resp: 276649
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6
127 7.9 6.4 9.6

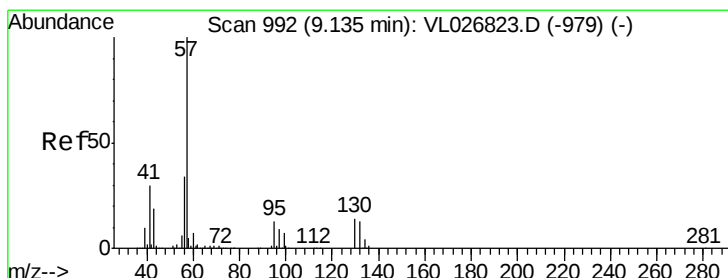
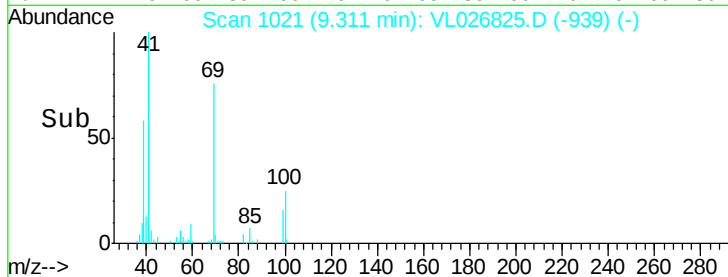
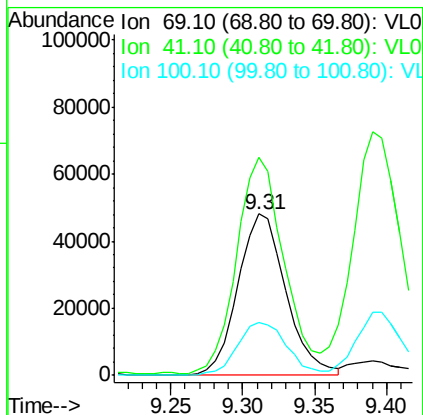
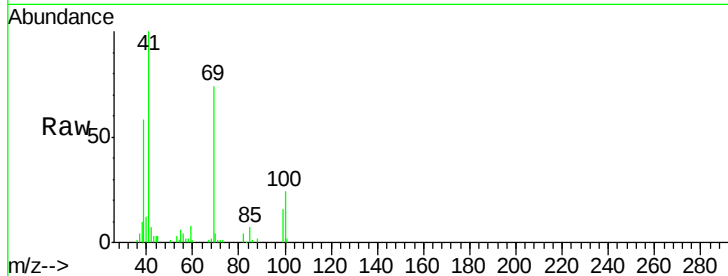




#43
Methyl Methacrylate
Concen: 0.78 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

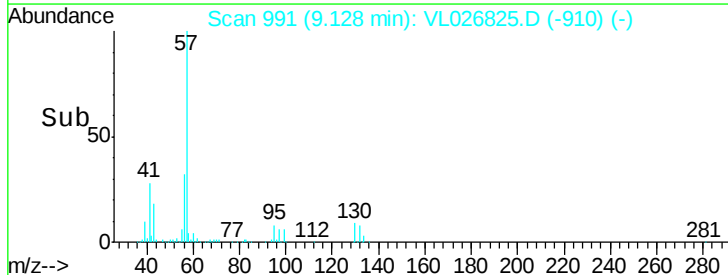
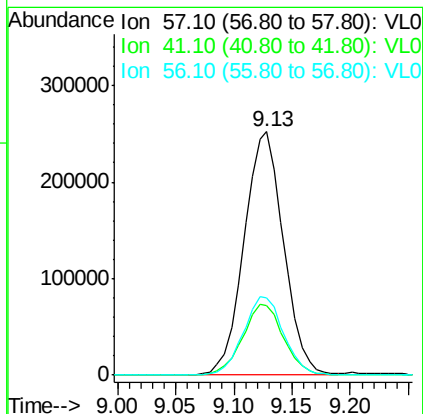
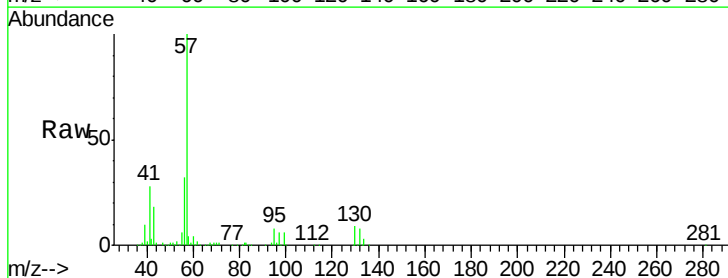
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

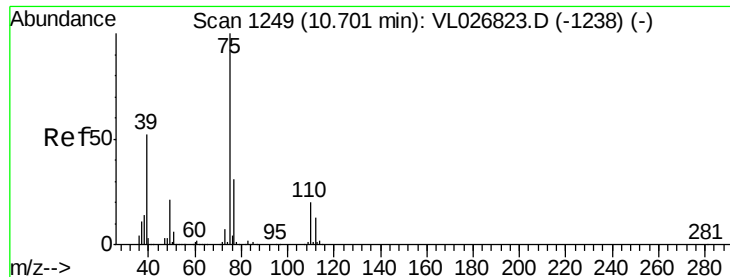
Tgt Ion: 69 Resp: 111686
Ion Ratio Lower Upper
69 100
41 131.6 106.5 159.7
100 33.3 27.2 40.8



#44
2,2,4-Trimethylpentane
Concen: 1.00 ppbv
RT: 9.13 min Scan# 991
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 57 Resp: 594030
Ion Ratio Lower Upper
57 100
41 31.0 23.2 34.8
56 33.1 26.2 39.4





#45

t-1,3-Dichloropropene

Concen: 0.54 ppbv

RT: 10.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

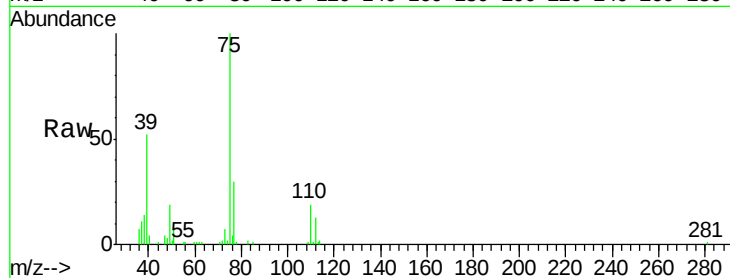
VSTDIC001

Tgt Ion: 75 Resp: 134090

Ion Ratio Lower Upper

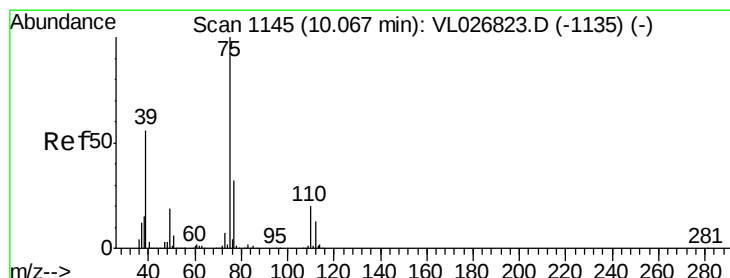
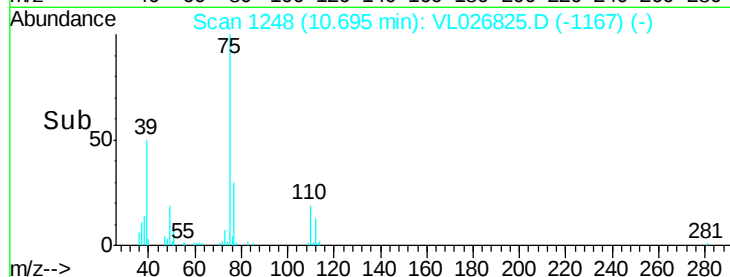
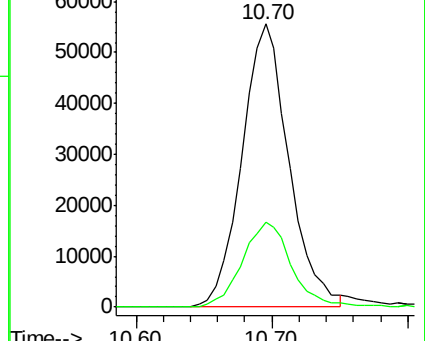
75 100

77 29.8 25.0 37.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.64 ppbv

RT: 10.06 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

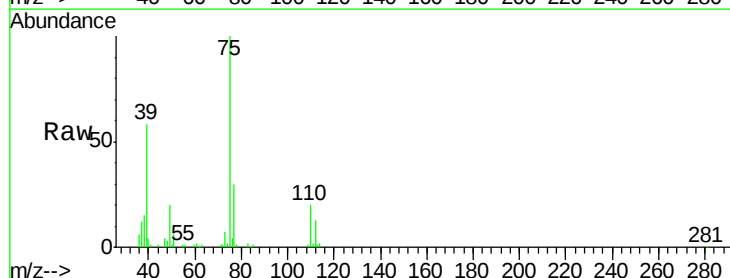
Tgt Ion: 75 Resp: 170201

Ion Ratio Lower Upper

75 100

39 57.8 45.0 67.6

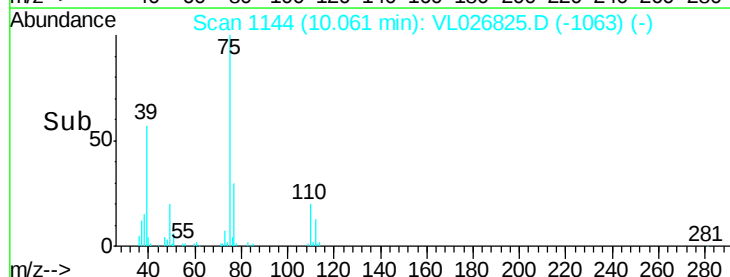
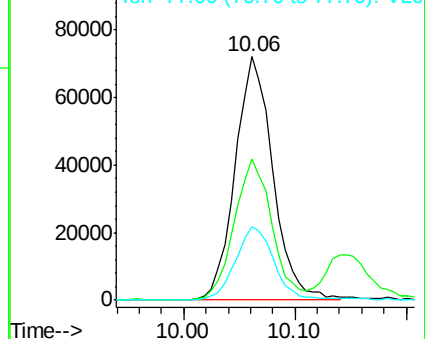
77 30.1 25.2 37.8

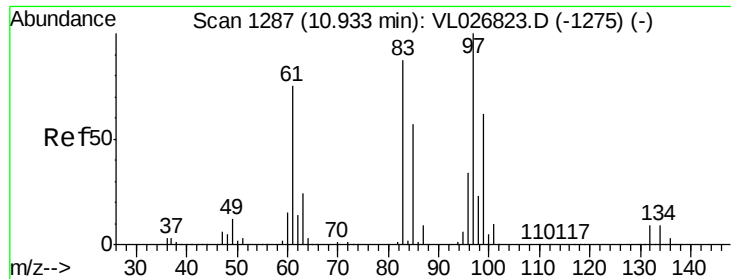


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

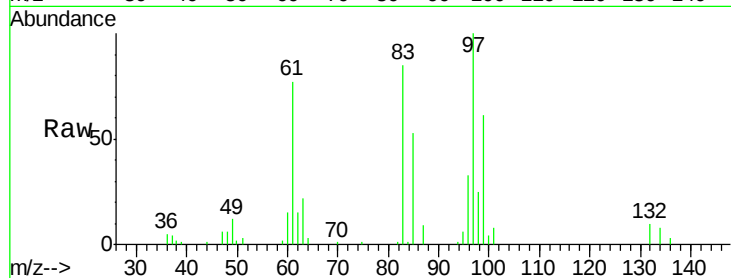




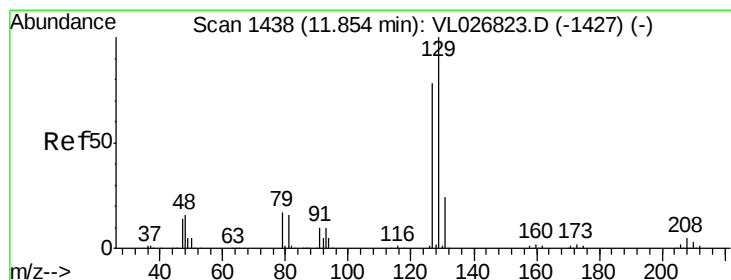
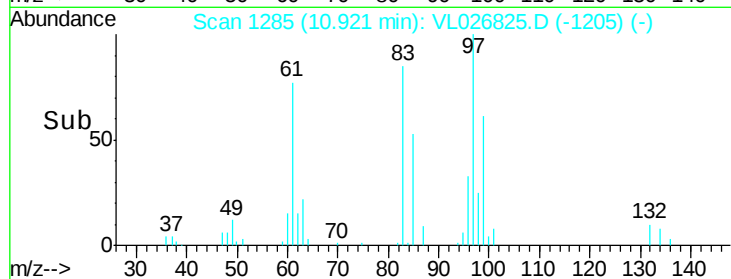
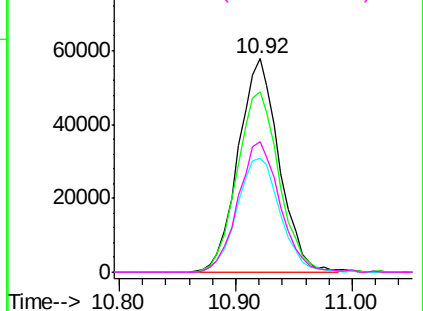
#47
 1,1,2-Trichloroethane
 Concen: 0.71 ppbv
 RT: 10.92 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 141062
 Ion Ratio Lower Upper
 97 100
 83 84.7 69.7 104.5
 85 53.1 45.3 67.9
 99 61.2 49.9 74.9

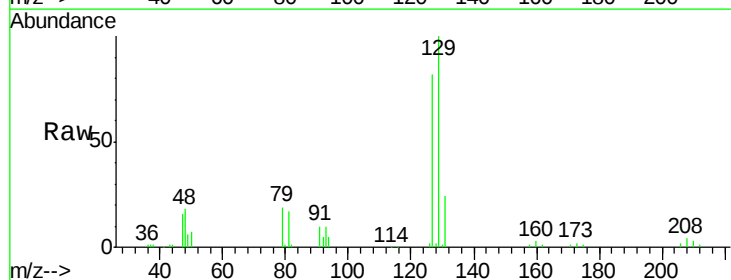


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

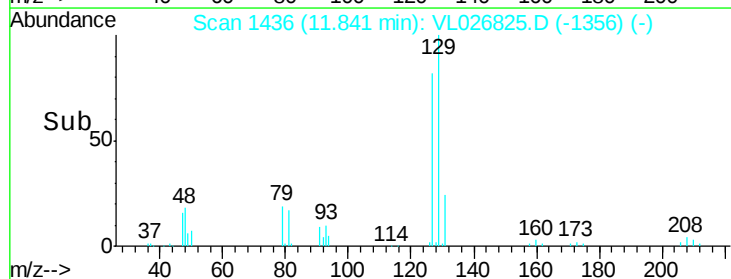
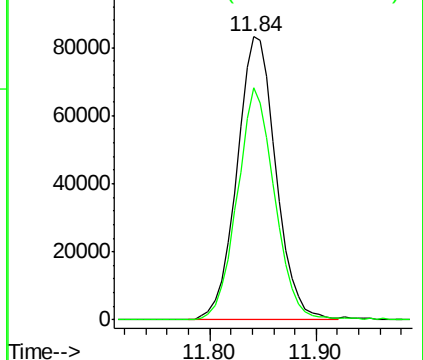


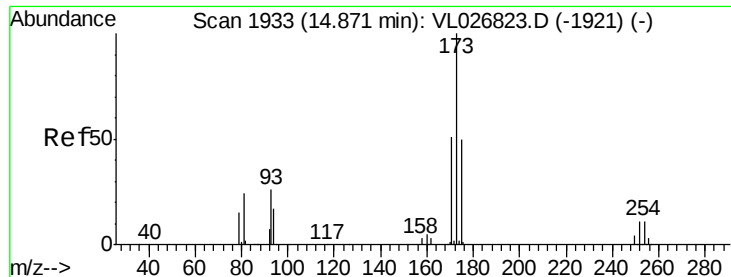
#48
 Dibromochloromethane
 Concen: 0.57 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 129 Resp: 213504
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.6 119.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.46 ppbv

RT: 14.86 min Scan# 1931

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

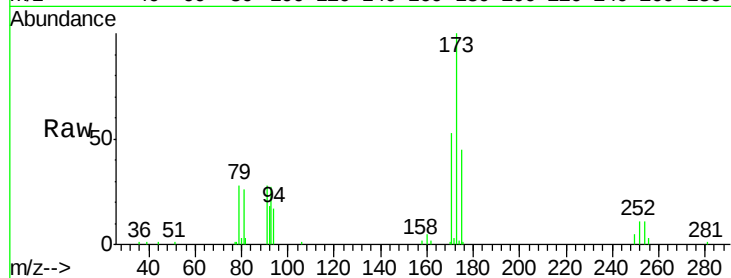
Tgt Ion: 173 Resp: 149387

Ion Ratio Lower Upper

173 100

175 47.8 39.2 58.8

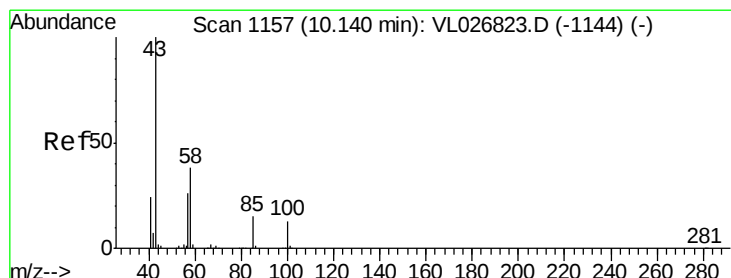
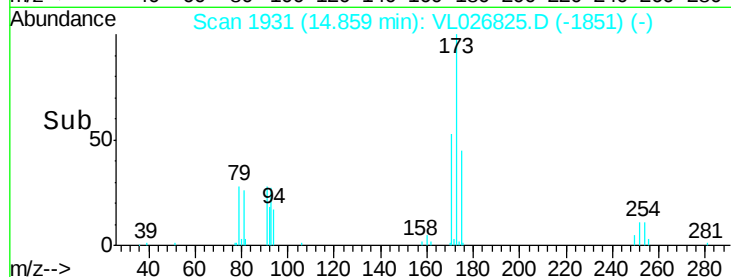
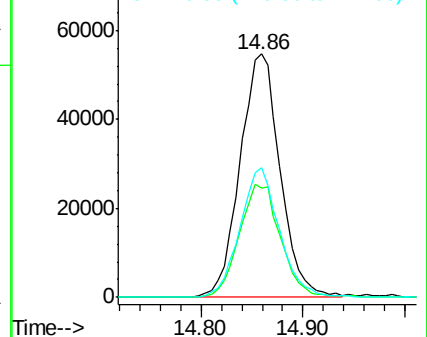
171 52.3 41.4 62.0



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: 0.83 ppbv

RT: 10.15 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VL026825.D

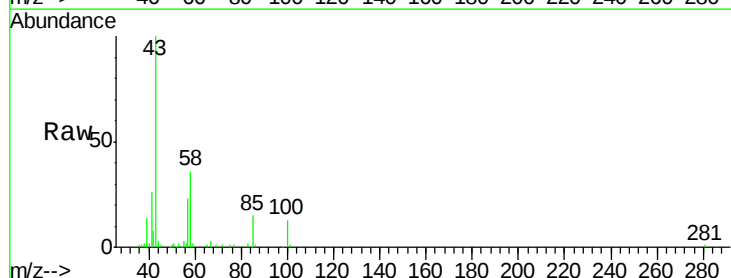
Acq: 9 Feb 2016 18:13

Tgt Ion: 43 Resp: 239594

Ion Ratio Lower Upper

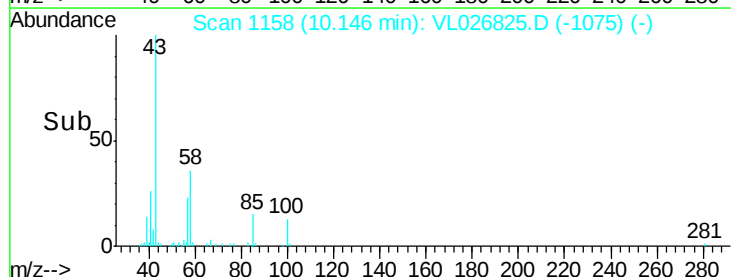
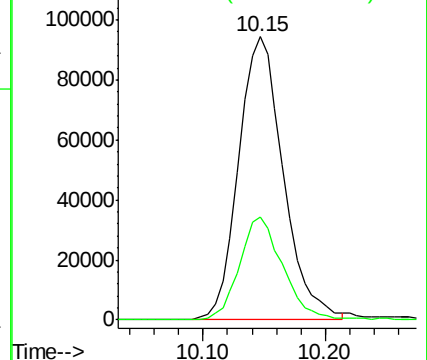
43 100

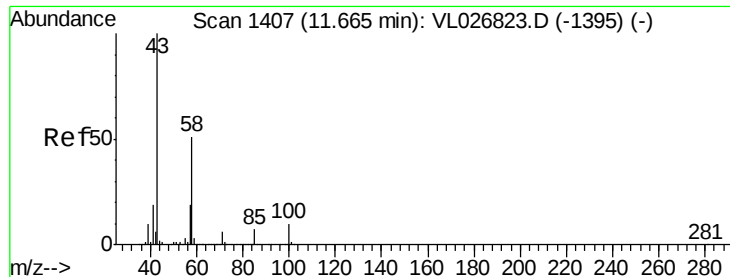
58 35.4 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

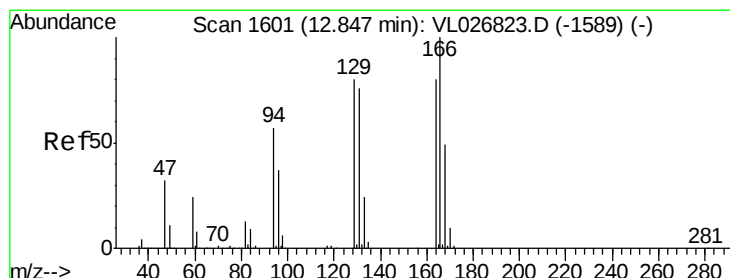
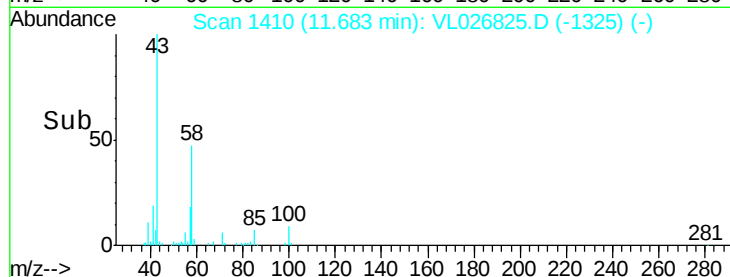
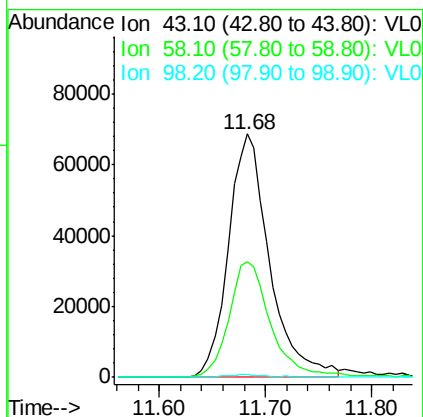
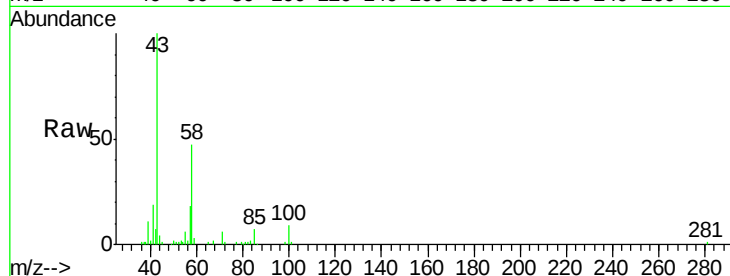




#51
 2-Hexanone
 Concen: 0.67 ppbv
 RT: 11.68 min Scan# 1410
 Delta R.T. 0.02 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

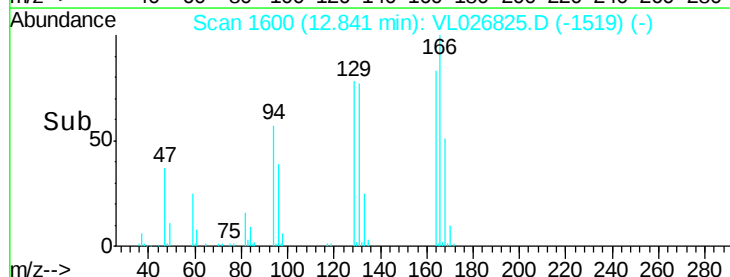
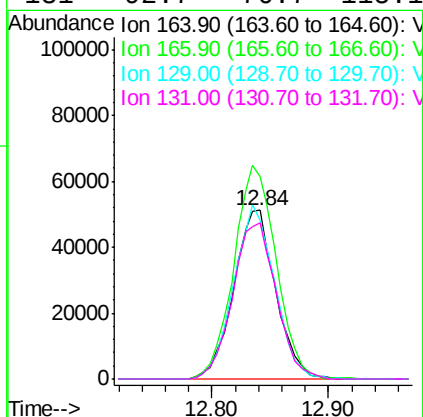
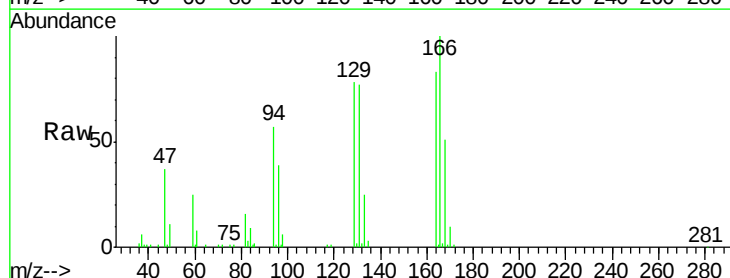
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

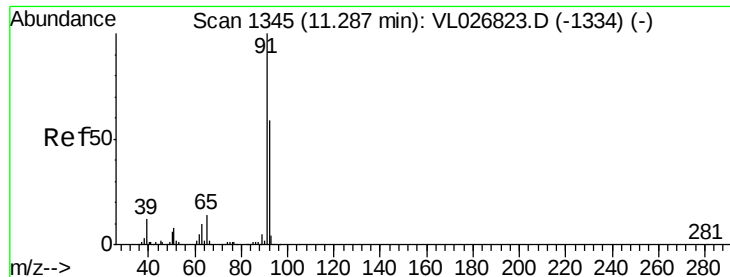
Tgt Ion: 43 Resp: 185201
 Ion Ratio Lower Upper
 43 100
 58 48.6 40.4 60.6
 98 1.0 0.2 0.4#



#52
 Tetrachloroethene
 Concen: 0.61 ppbv
 RT: 12.84 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 164 Resp: 128623
 Ion Ratio Lower Upper
 164 100
 166 119.9 100.3 150.5
 129 93.7 80.0 120.0
 131 92.7 76.7 115.1





#53

Toluene

Concen: 0.66 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

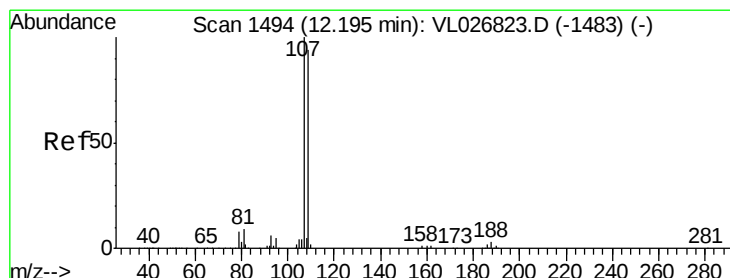
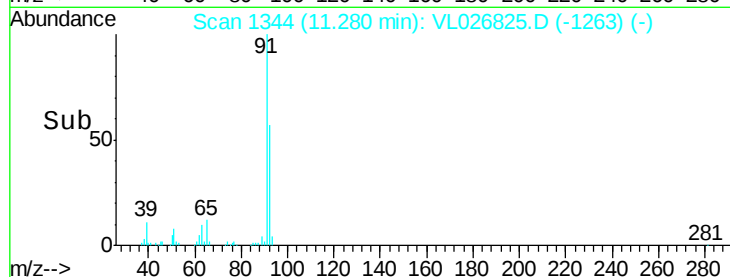
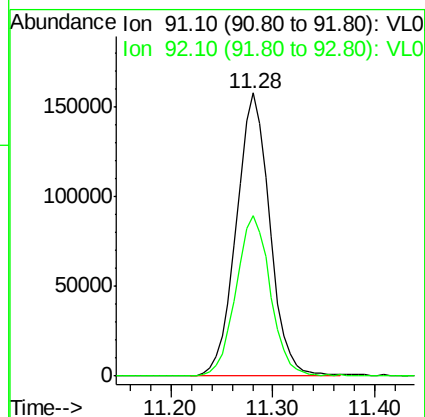
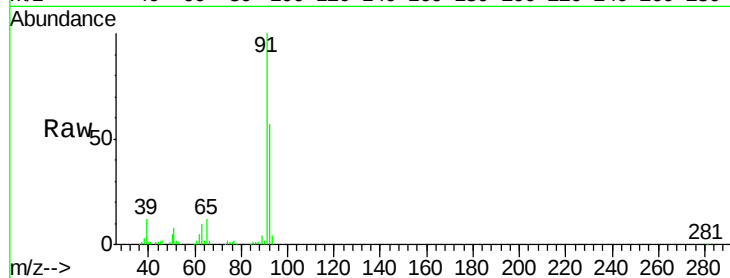
VSTDIC001

Tgt Ion: 91 Resp: 360121

Ion Ratio Lower Upper

91 100

92 58.5 47.3 70.9



#54

1,2-Dibromoethane

Concen: 0.61 ppbv

RT: 12.19 min Scan# 1493

Delta R.T. -0.01 min

Lab File: VL026825.D

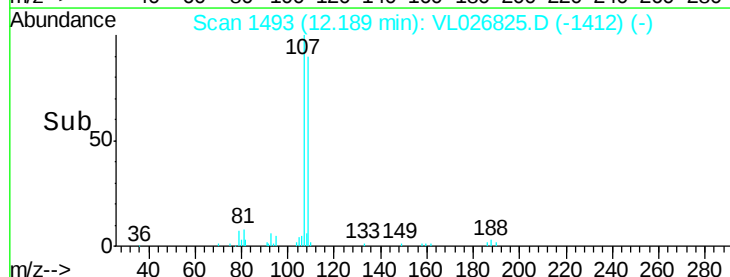
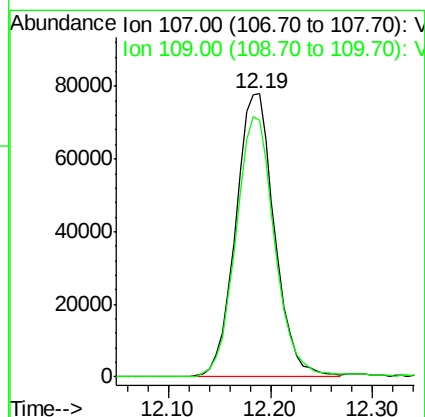
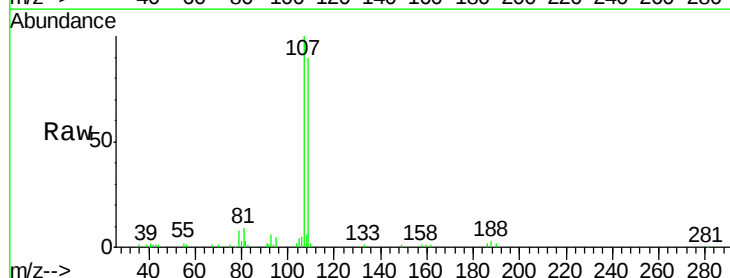
Acq: 9 Feb 2016 18:13

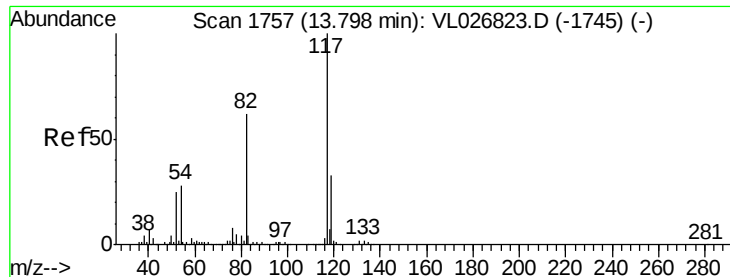
Tgt Ion: 107 Resp: 205296

Ion Ratio Lower Upper

107 100

109 90.5 75.0 112.4

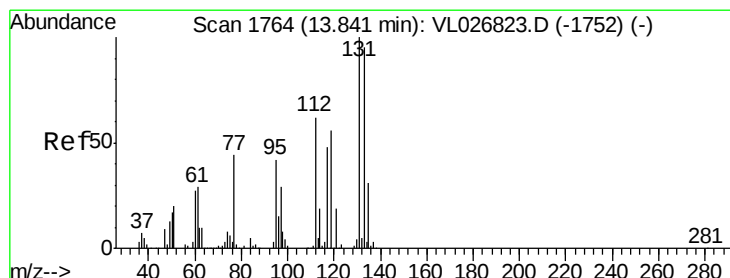
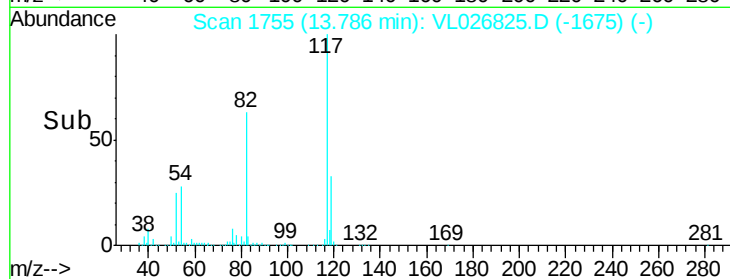
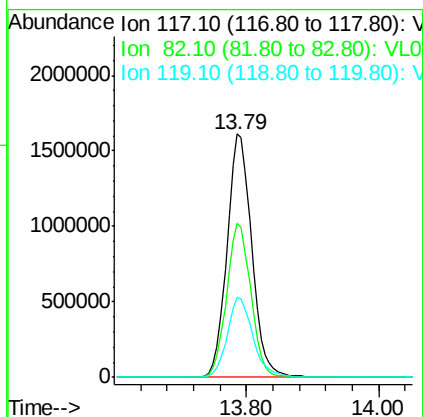
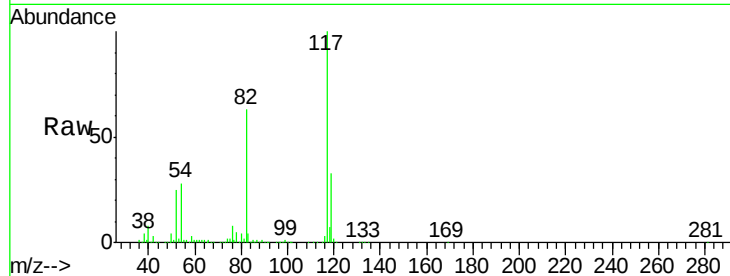




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

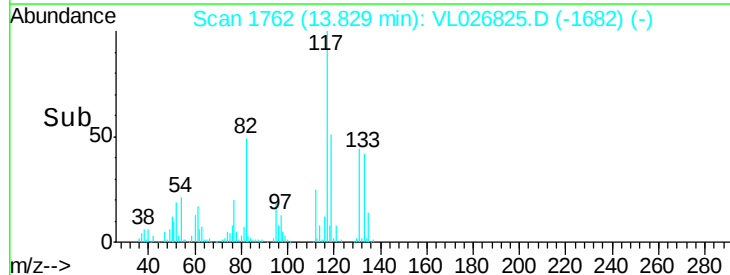
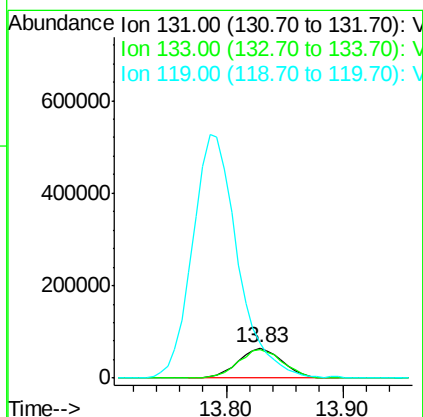
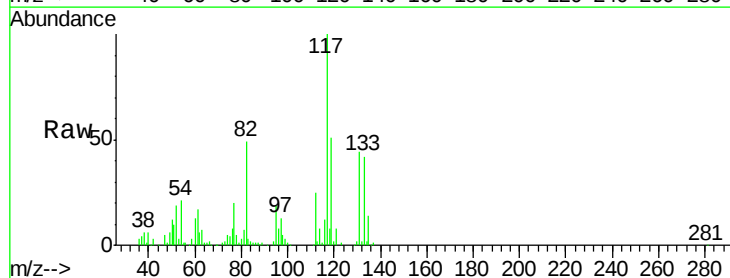
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

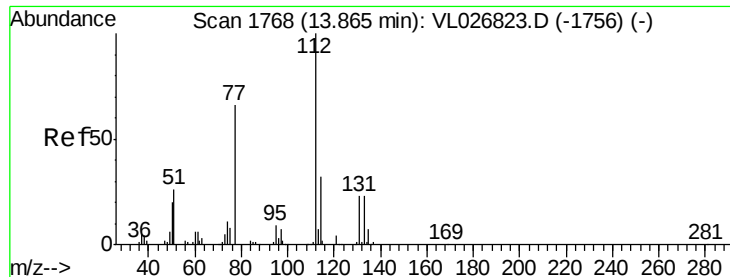
Tgt Ion:117 Resp: 4177759
Ion Ratio Lower Upper
117 100
82 62.4 51.9 77.9
119 34.3 48.5 72.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.78 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion:131 Resp: 171421
Ion Ratio Lower Upper
131 100
133 97.1 76.4 114.6
119 835.5 99.8 149.8#

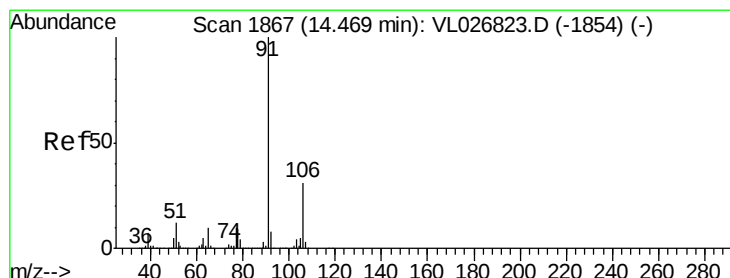
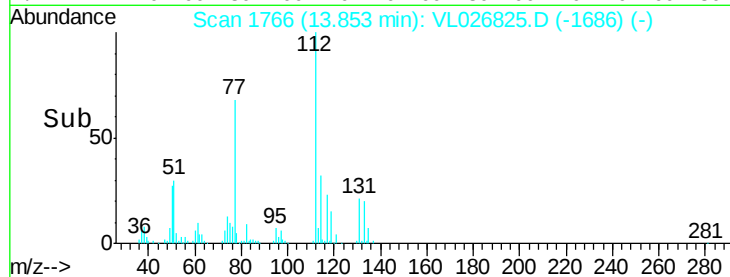
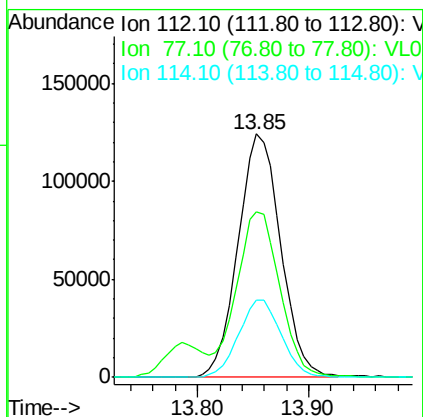
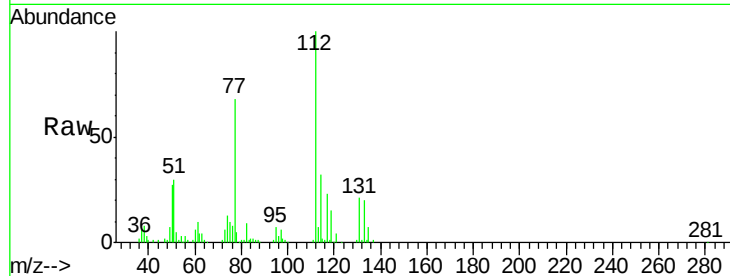




#57
Chlorobenzene
Concen: 0.78 ppbv
RT: 13.85 min Scan# 1766
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

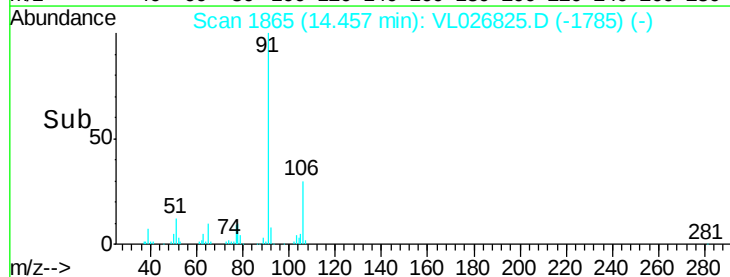
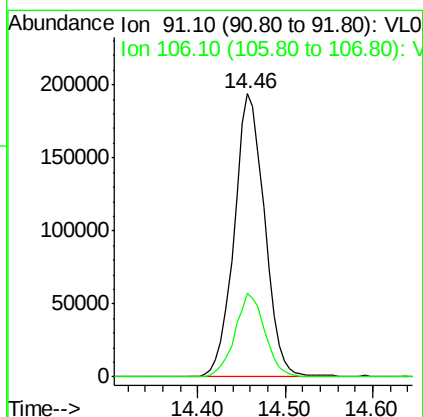
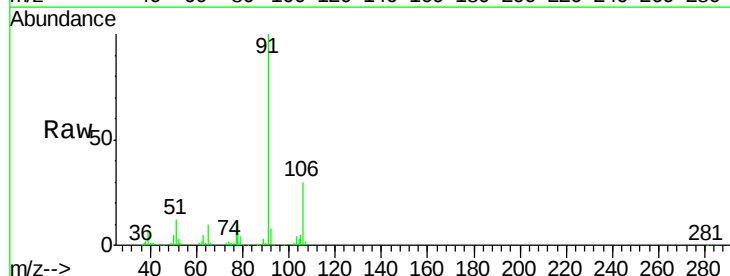
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

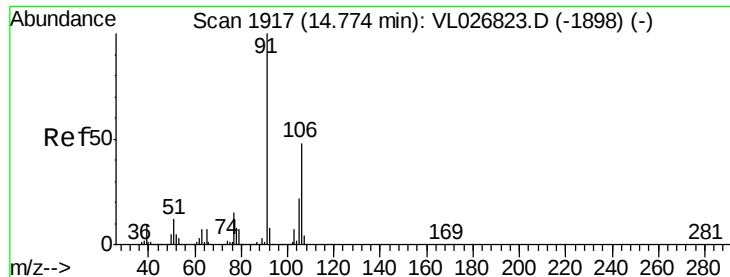
Tgt Ion: 112 Resp: 331249
Ion Ratio Lower Upper
112 100
77 67.1 53.3 79.9
114 31.5 28.9 35.3



#58
Ethyl Benzene
Concen: 0.69 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 468957
Ion Ratio Lower Upper
91 100
106 29.6 24.9 37.3

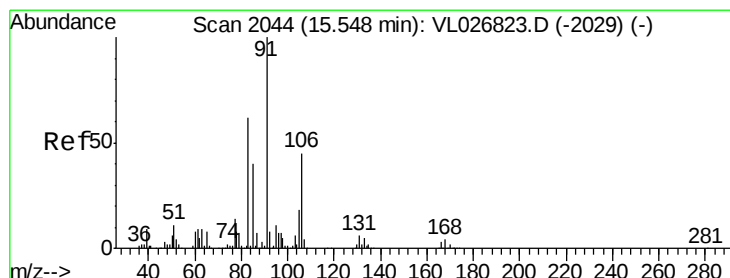
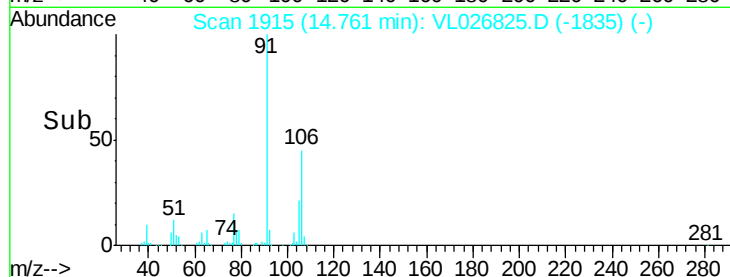
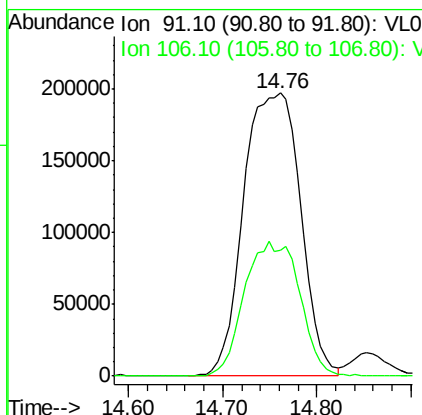
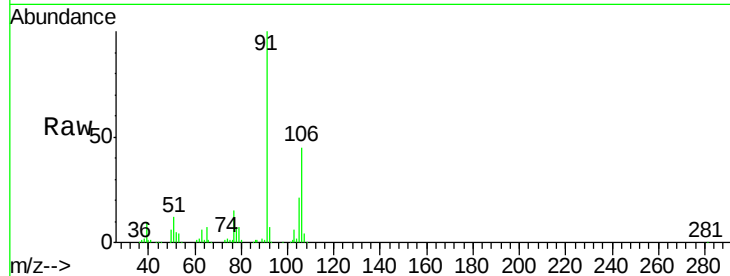




#59
m/p-Xylene
Concen: 1.39 ppbv
RT: 14.76 min Scan# 1915
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

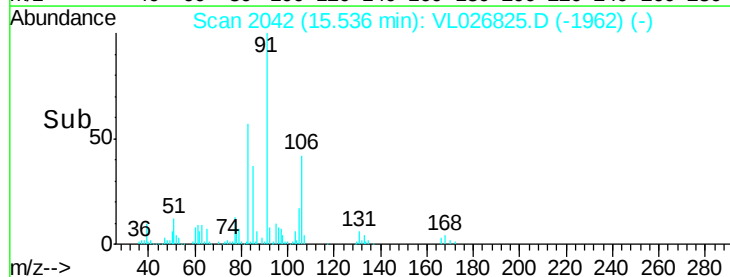
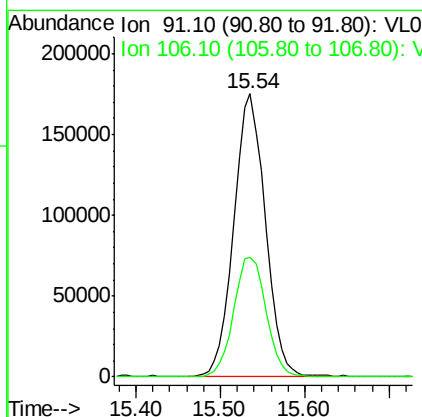
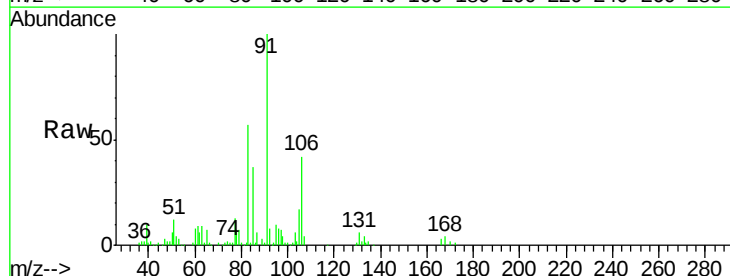
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

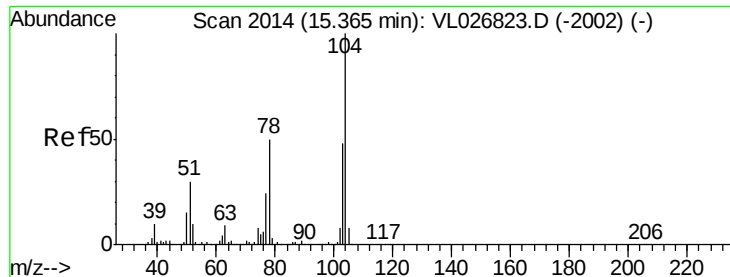
Tgt Ion: 91 Resp: 831759
Ion Ratio Lower Upper
91 100
106 46.3 38.2 57.2



#60
o-Xylene
Concen: 0.67 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 443938
Ion Ratio Lower Upper
91 100
106 43.6 22.3 66.8





#61

Styrene

Concen: 0.55 ppbv

RT: 15.36 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

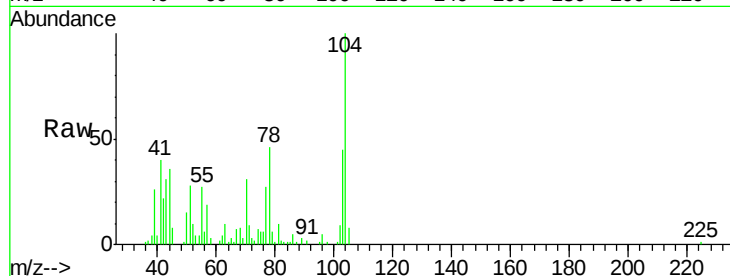
Tgt Ion:104 Resp: 130902

Ion Ratio Lower Upper

104 100

78 50.0 39.8 59.6

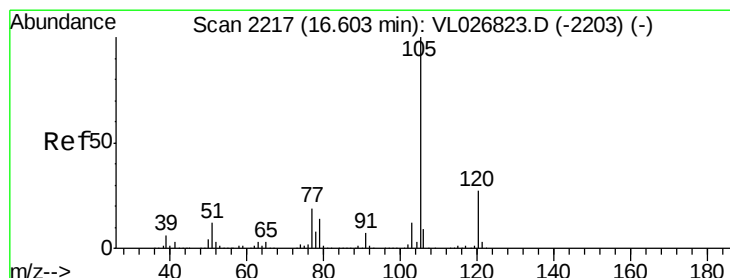
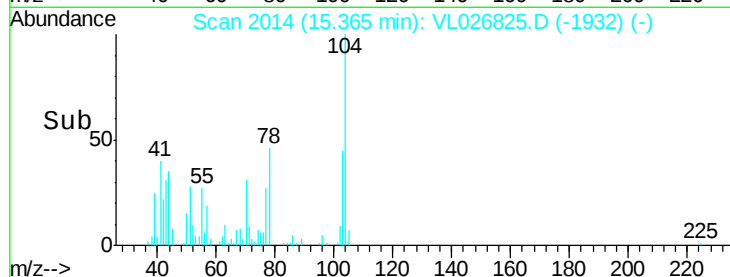
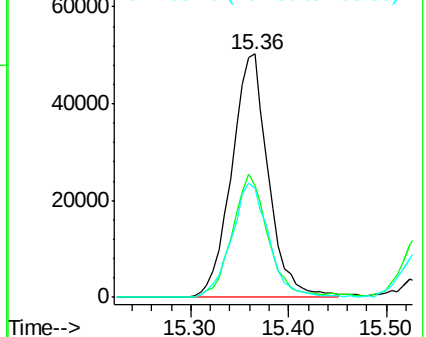
103 47.7 38.2 57.4



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: 0.62 ppbv

RT: 16.59 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VL026825.D

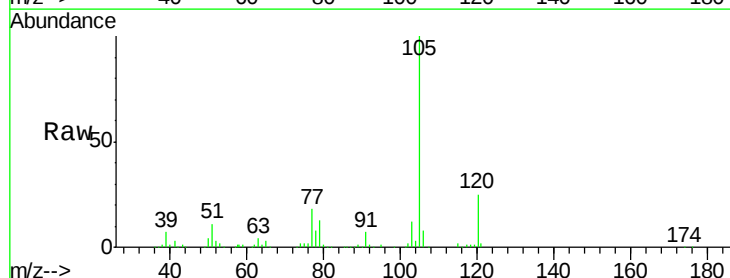
Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 536107

Ion Ratio Lower Upper

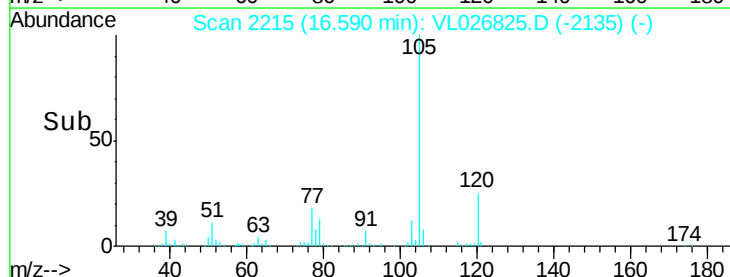
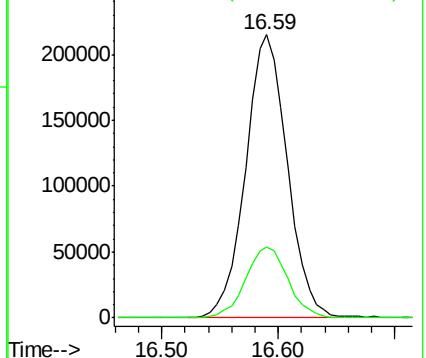
105 100

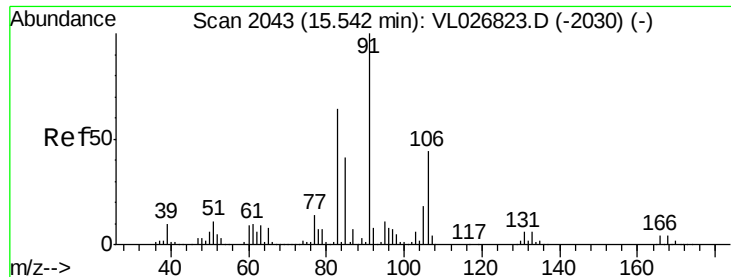
120 25.5 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

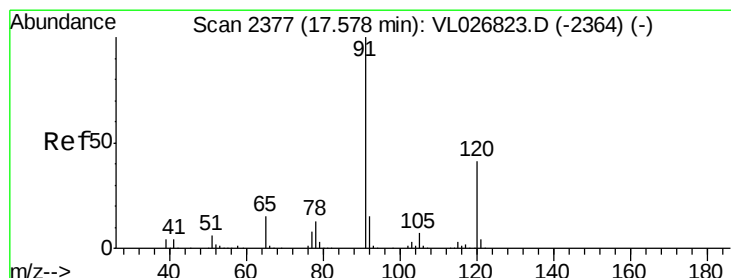
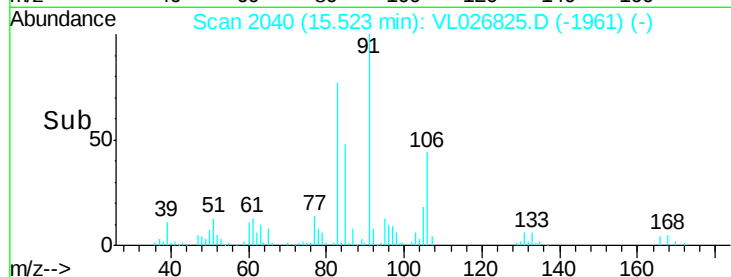
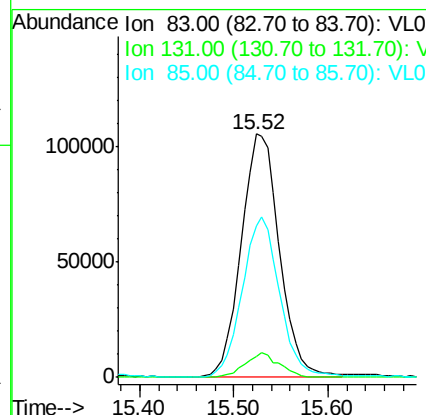
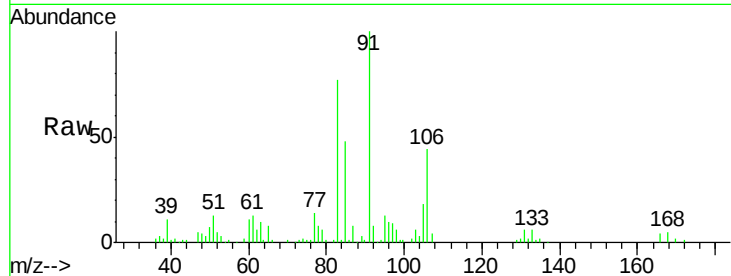




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.70 ppbv
 RT: 15.52 min Scan# 2040
 Delta R.T. -0.02 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

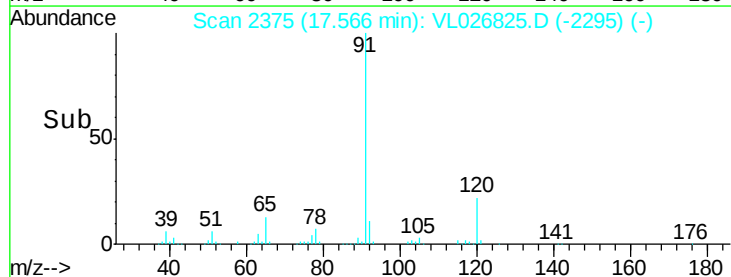
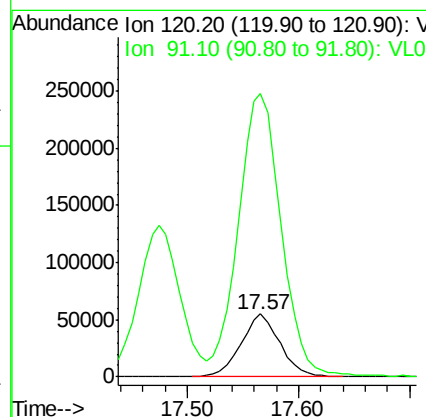
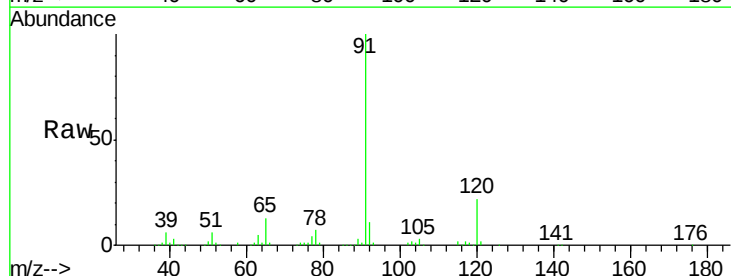
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

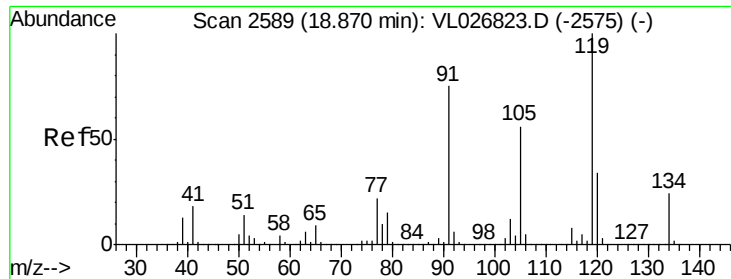
Tgt Ion: 83 Resp: 300886
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.1
 85 64.8 32.3 96.9



#64
 n-propylbenzene
 Concen: 0.55 ppbv
 RT: 17.57 min Scan# 2375
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 120 Resp: 133737
 Ion Ratio Lower Upper
 120 100
 91 492.9 363.0 544.6

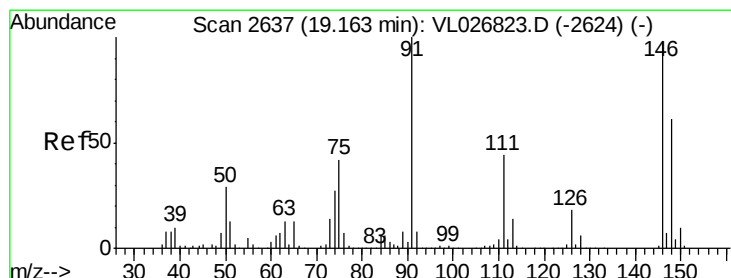
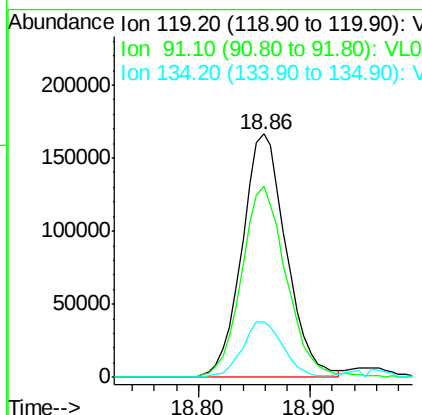
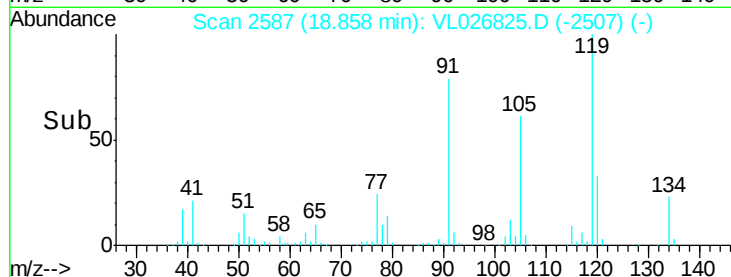
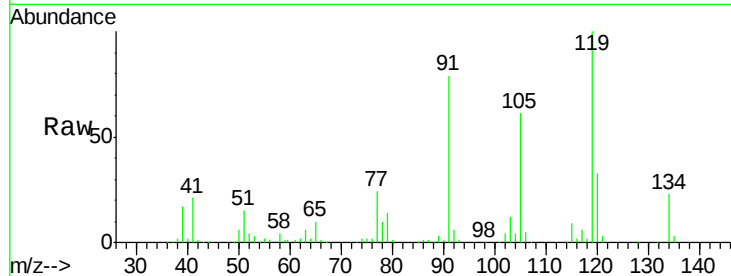




#65
 tert-Butylbenzene
 Concen: 0.53 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

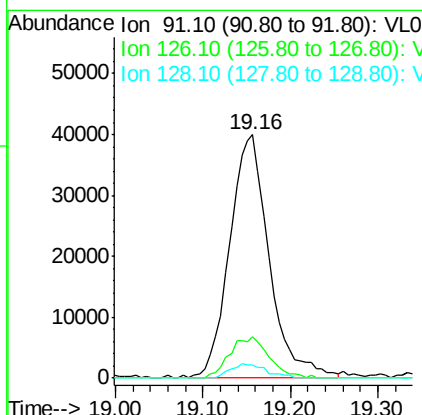
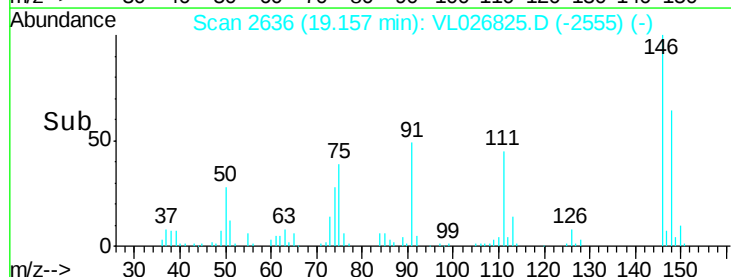
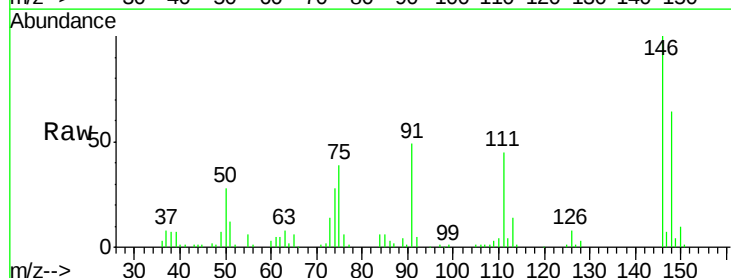
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

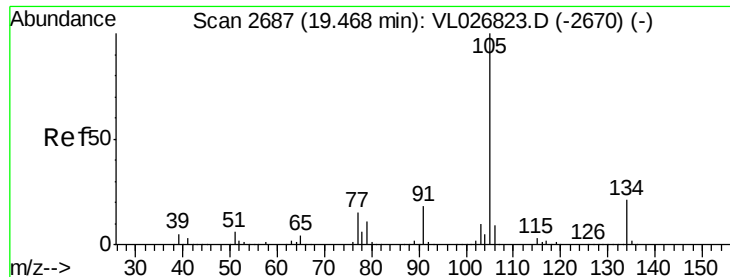
Tgt Ion: 119 Resp: 459826
 Ion Ratio Lower Upper
 119 100
 91 80.0 61.5 92.3
 134 21.5 17.9 26.9



#66
 Benzyl Chloride
 Concen: 0.38 ppbv
 RT: 19.16 min Scan# 2636
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 125507
 Ion Ratio Lower Upper
 91 100
 126 16.7 14.6 21.8
 128 5.3 4.6 6.8

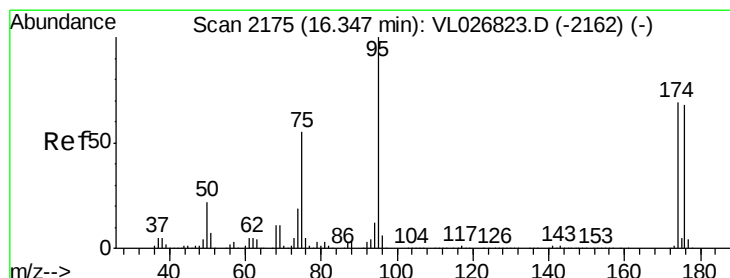
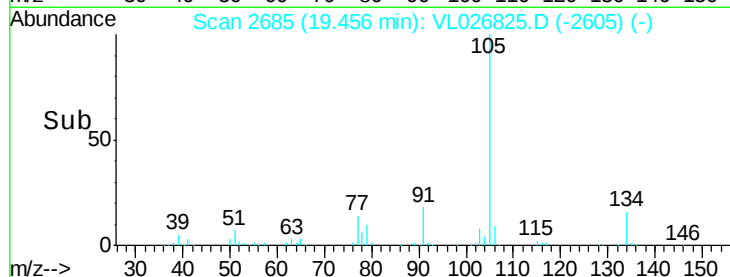
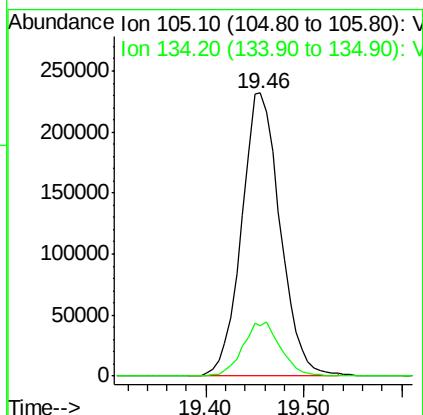
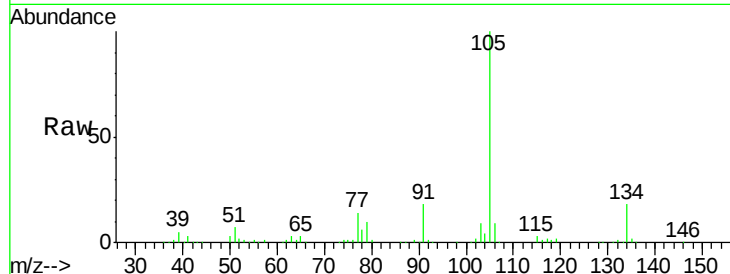




#67
 sec-Butylbenzene
 Concen: 0.50 ppbv
 RT: 19.46 min Scan# 2685
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

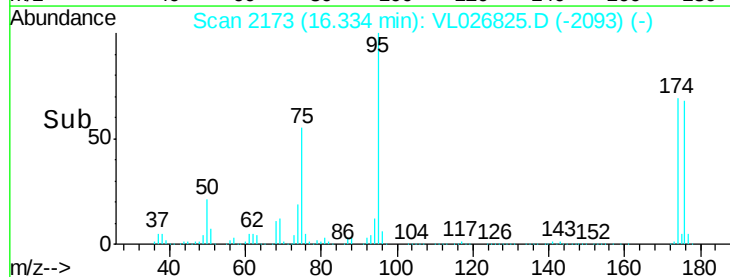
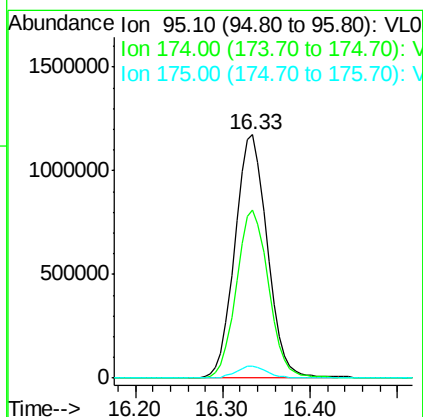
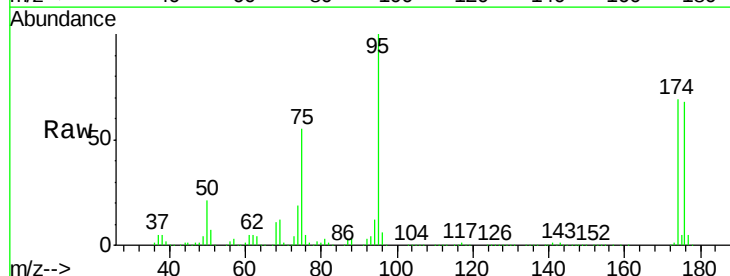
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

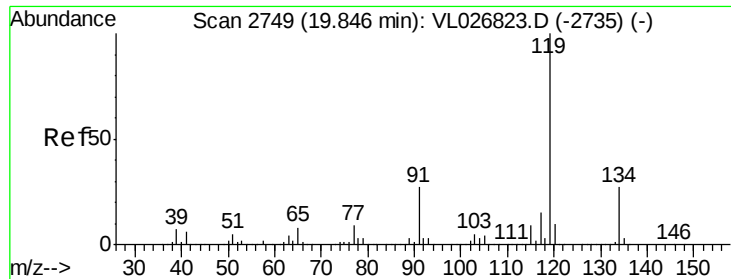
Tgt Ion: 105 Resp: 635222
 Ion Ratio Lower Upper
 105 100
 134 18.8 16.1 24.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.56 ppbv
 RT: 16.33 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 95 Resp: 3035247
 Ion Ratio Lower Upper
 95 100
 174 69.1 55.6 83.4
 175 4.9 3.9 5.9

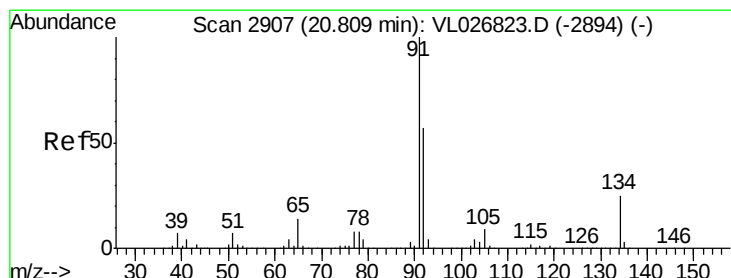
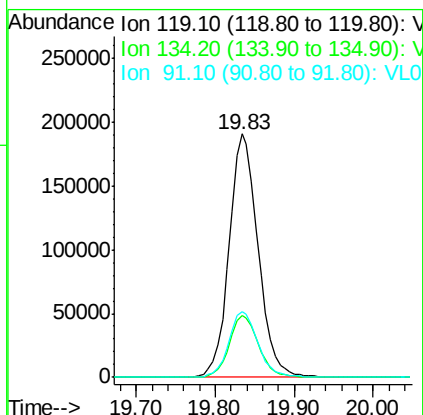
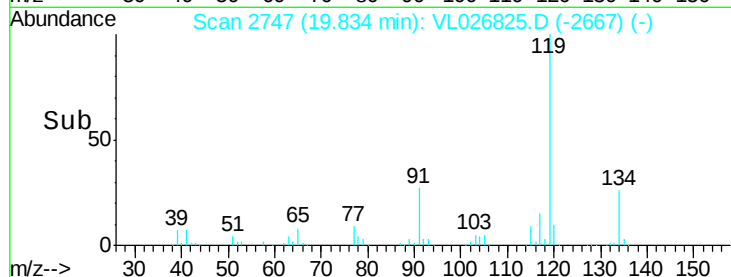
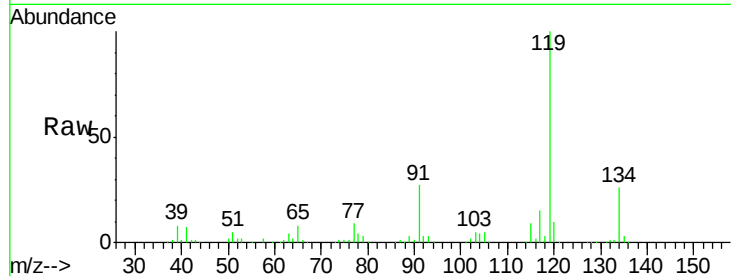




#69
p-Isopropyltoluene
Concen: 0.47 ppbv
RT: 19.83 min Scan# 2747
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

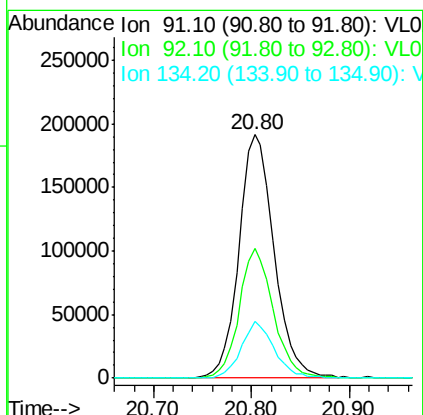
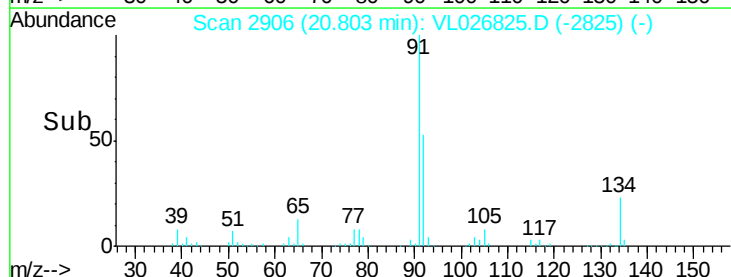
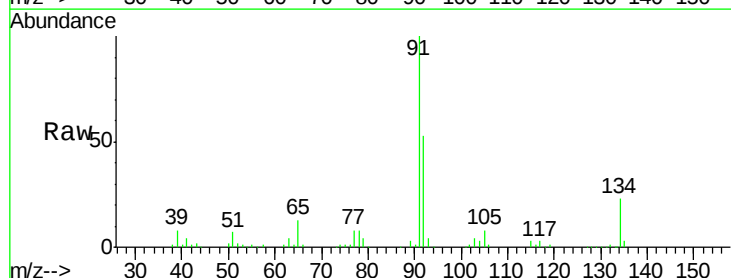
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

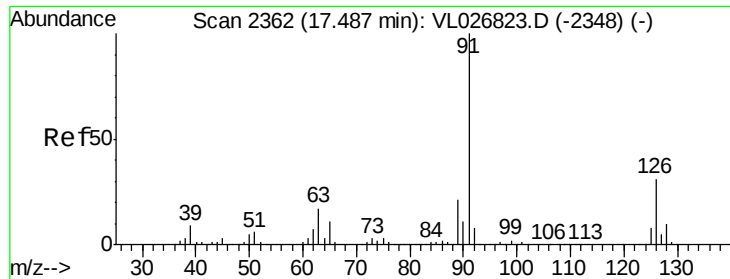
Tgt Ion: 119 Resp: 487332
Ion Ratio Lower Upper
119 100
134 25.6 21.3 31.9
91 27.5 21.5 32.3



#70
n-Butylbenzene
Concen: 0.45 ppbv
RT: 20.80 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL026825.D
Acq: 9 Feb 2016 18:13

Tgt Ion: 91 Resp: 478075
Ion Ratio Lower Upper
91 100
92 51.8 44.2 66.4
134 21.9 19.3 28.9

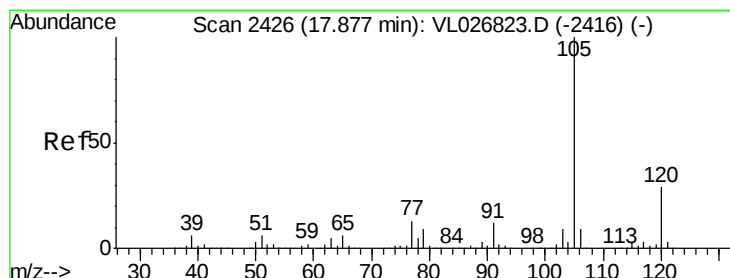
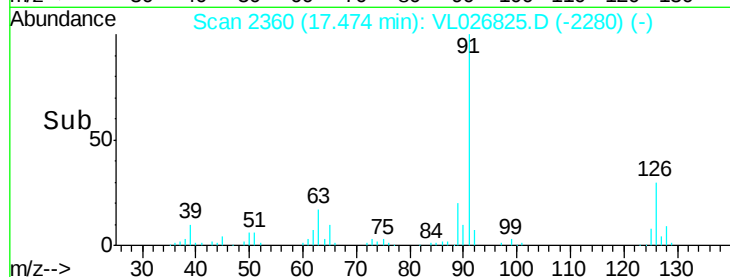
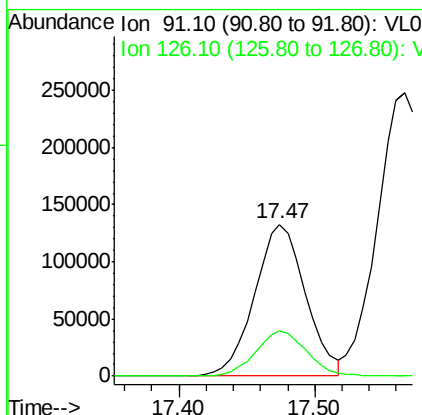
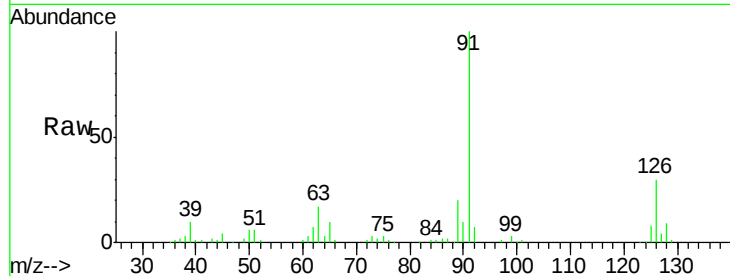




#71
 2-Chlorotoluene
 Concen: 0.52 ppbv
 RT: 17.47 min Scan# 2360
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

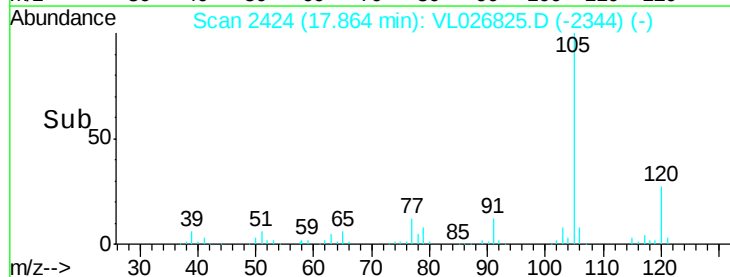
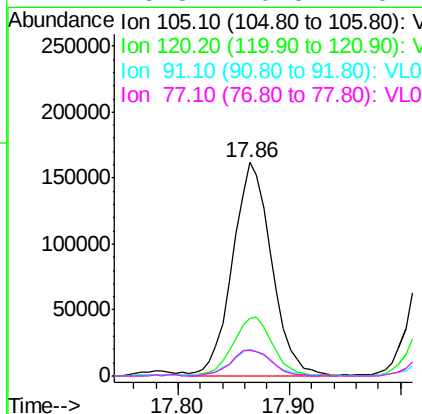
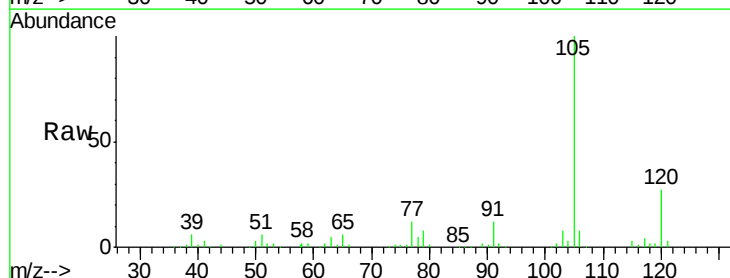
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

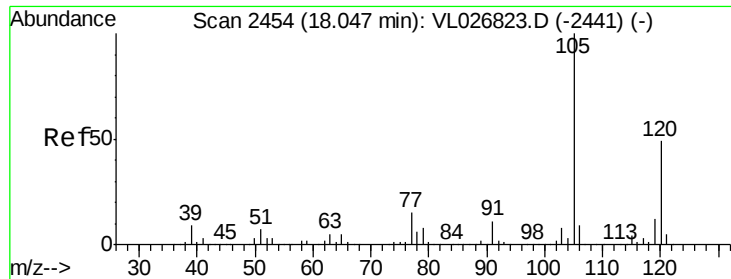
Tgt Ion: 91 Resp: 347074
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.2 48.8



#72
 4-Ethyltoluene
 Concen: 0.52 ppbv
 RT: 17.86 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion: 105 Resp: 395021
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.8 35.6
 91 14.0 10.2 15.4
 77 13.3 10.8 16.2

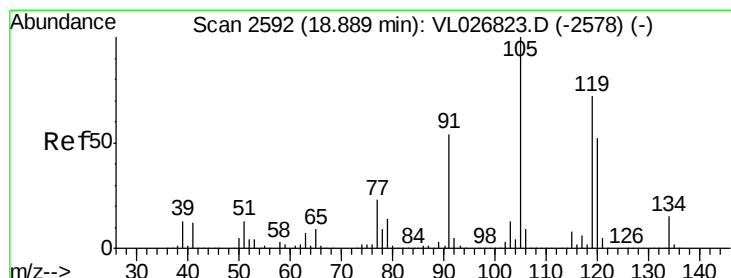
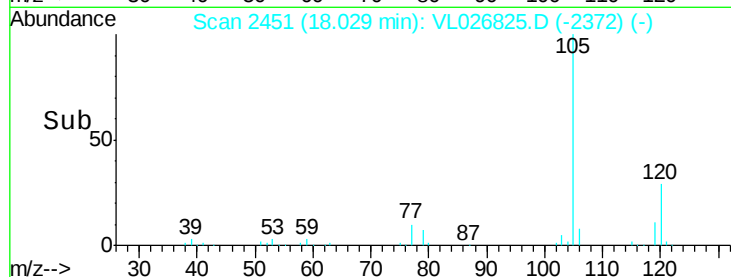
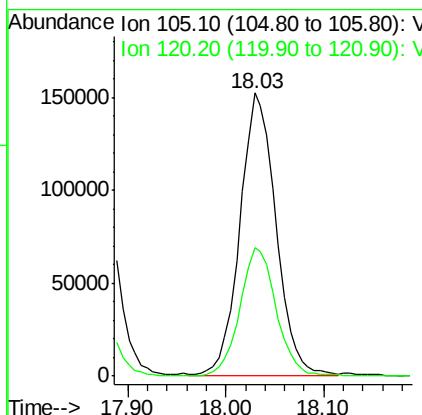
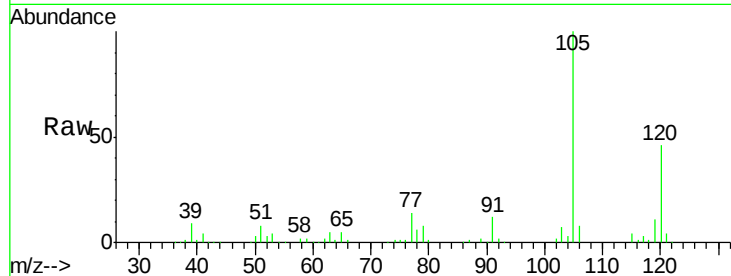




#73
 1,3,5-Trimethylbenzene
 Concen: 0.53 ppbv
 RT: 18.03 min Scan# 2451
 Delta R.T. -0.02 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

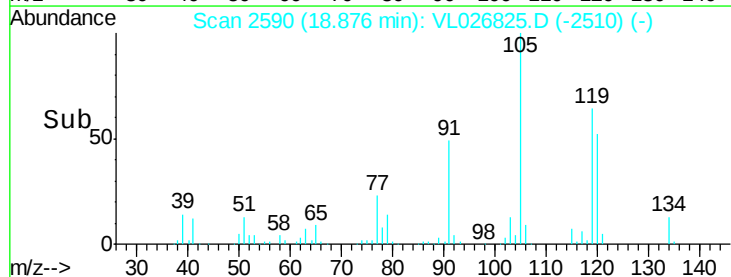
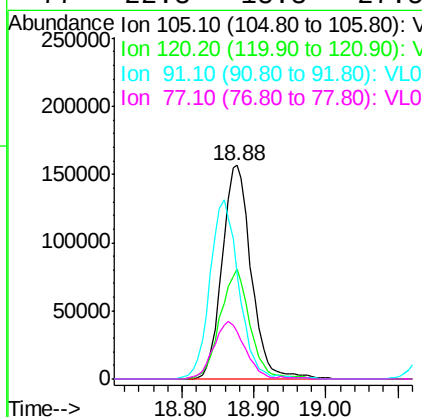
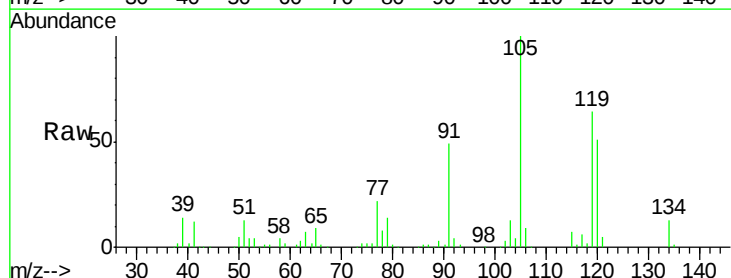
Instrument :
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 ClientSampleId :
 VSTDIC001

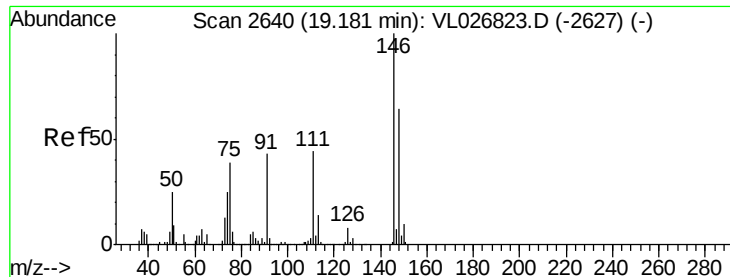
Tgt Ion:105 Resp: 391350
 Ion Ratio Lower Upper
 105 100
 120 45.8 39.4 59.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.54 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion:105 Resp: 440629
 Ion Ratio Lower Upper
 105 100
 120 51.3 41.3 61.9
 91 48.7 43.3 64.9
 77 22.3 18.3 27.5

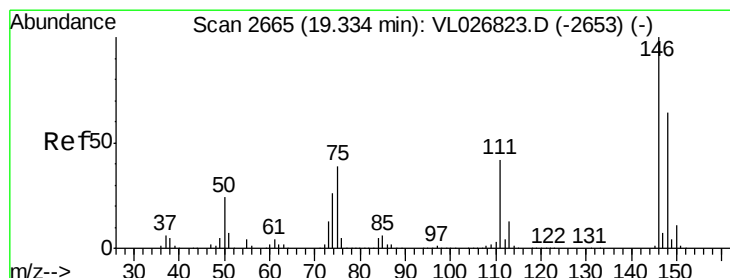
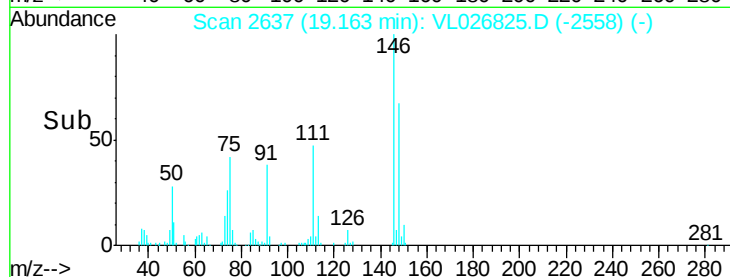
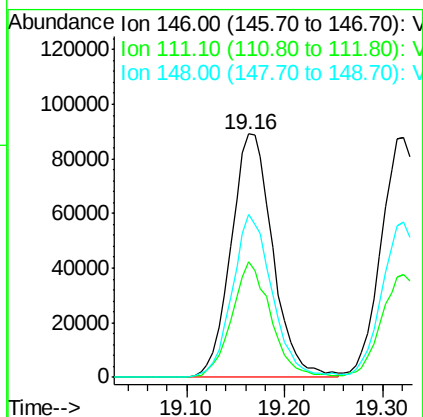
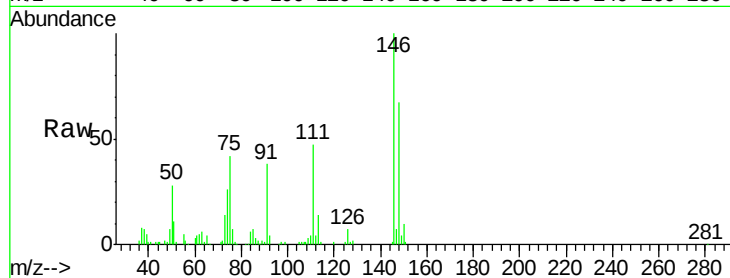




#75
 1,3-Dichlorobenzene
 Concen: 0.49 ppbv
 RT: 19.16 min Scan# 2637
 Delta R.T. -0.02 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

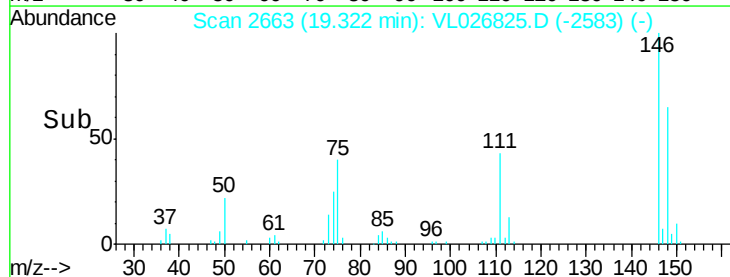
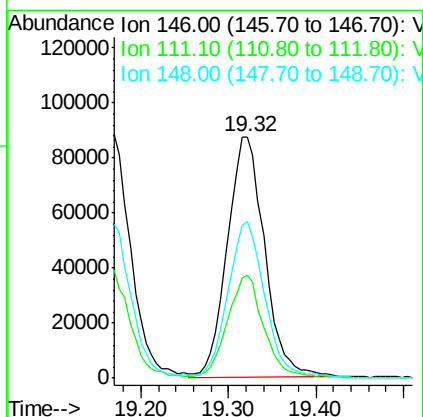
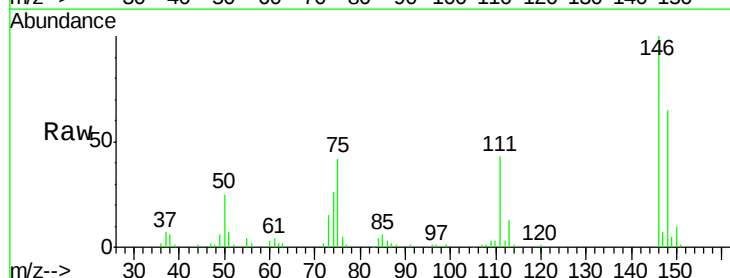
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

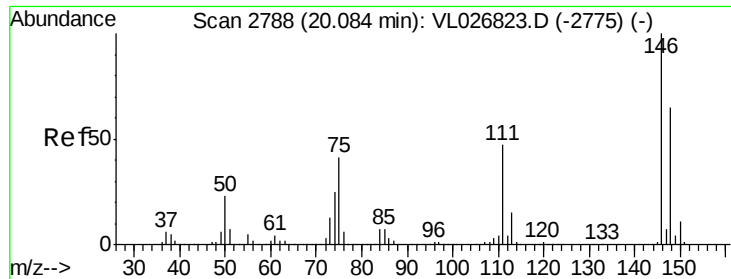
Tgt Ion:146 Resp: 263758
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.1 66.3
 148 63.9 32.2 96.6



#76
 1,4-Dichlorobenzene
 Concen: 0.48 ppbv
 RT: 19.32 min Scan# 2663
 Delta R.T. -0.01 min
 Lab File: VL026825.D
 Acq: 9 Feb 2016 18:13

Tgt Ion:146 Resp: 258377
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.6 64.8
 148 65.2 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 0.44 ppbv

RT: 20.07 min Scan# 2786

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

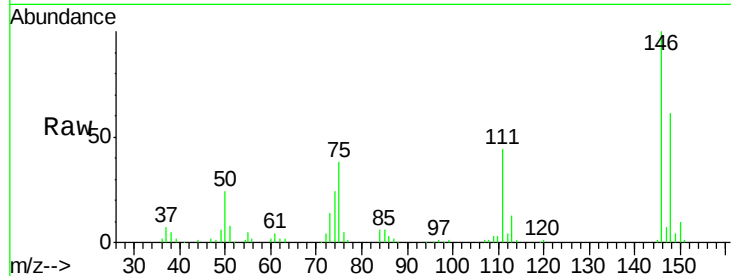
Tgt Ion:146 Resp: 248754

Ion Ratio Lower Upper

146 100

111 46.7 23.1 69.3

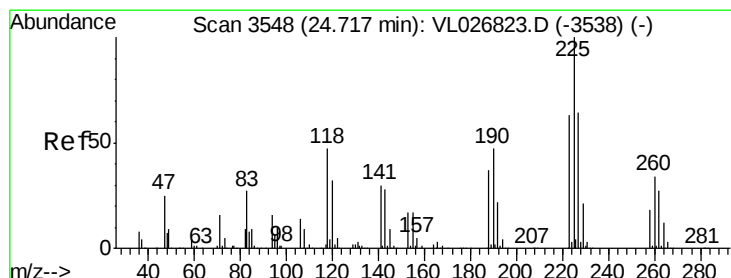
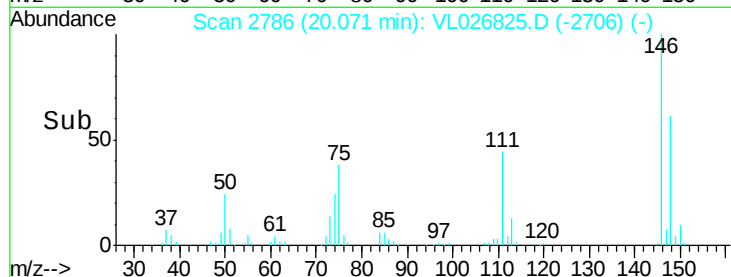
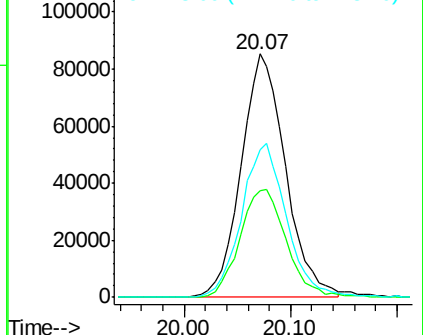
148 64.3 32.1 96.5



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: 0.48 ppbv

RT: 24.71 min Scan# 3547

Delta R.T. -0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

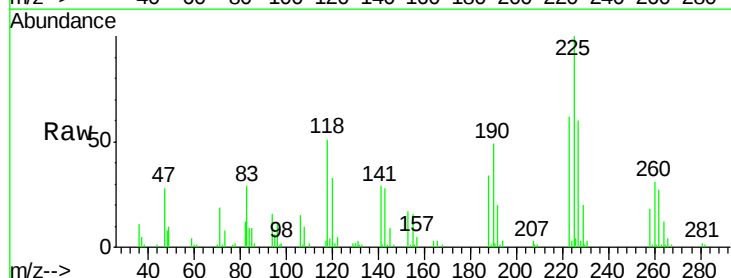
Tgt Ion:225 Resp: 131736

Ion Ratio Lower Upper

225 100

223 59.9 50.2 75.2

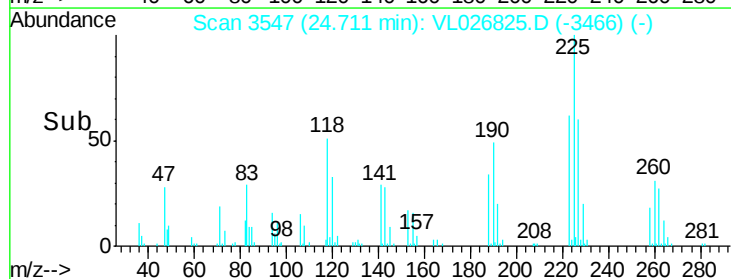
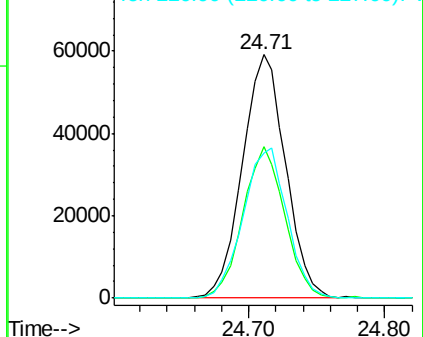
227 62.8 52.1 78.1

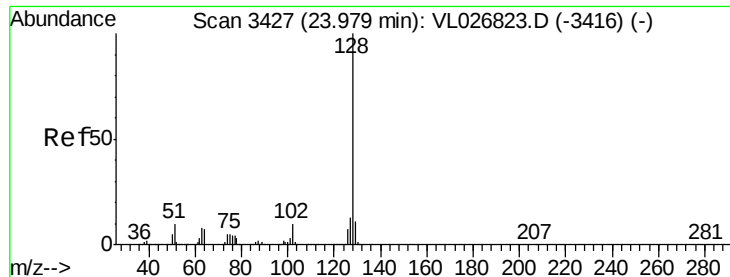


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.30 ppbv

RT: 23.98 min Scan# 3427

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

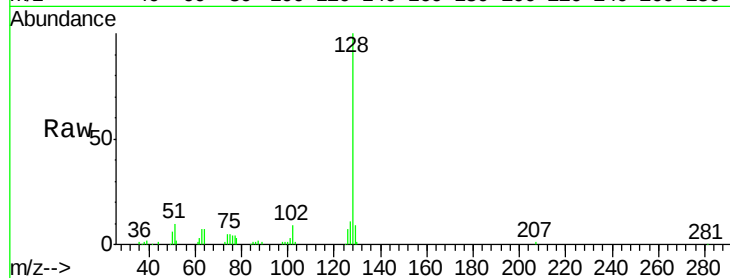
Tgt Ion:128 Resp: 213944

Ion Ratio Lower Upper

128 100

127 10.8 10.0 15.0

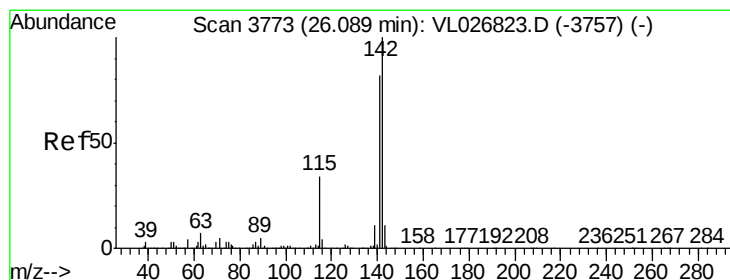
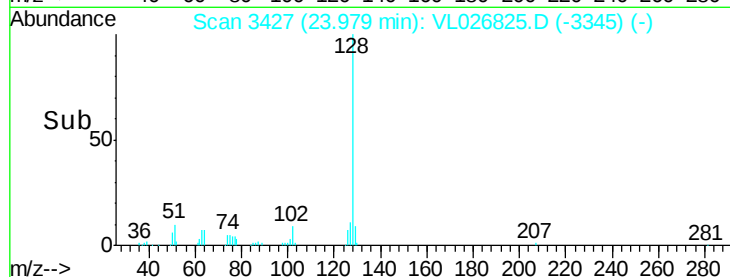
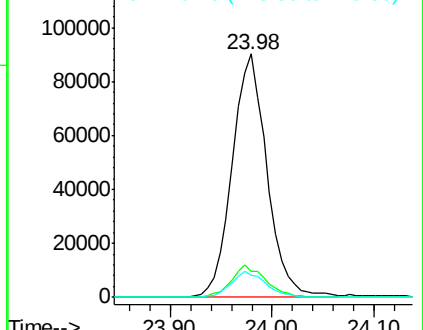
129 9.1 8.7 13.1



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: 0.73 ppbv

RT: 26.10 min Scan# 3775

Delta R.T. 0.01 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

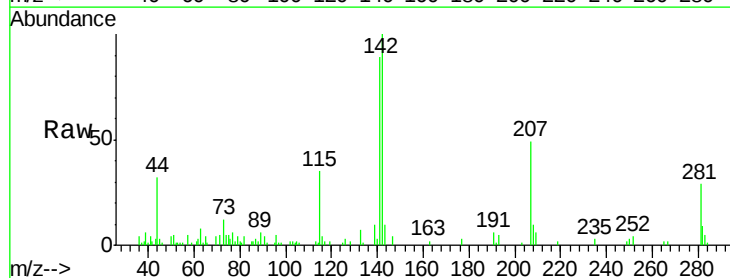
Tgt Ion:142 Resp: 89086

Ion Ratio Lower Upper

142 100

141 89.4 67.2 100.8

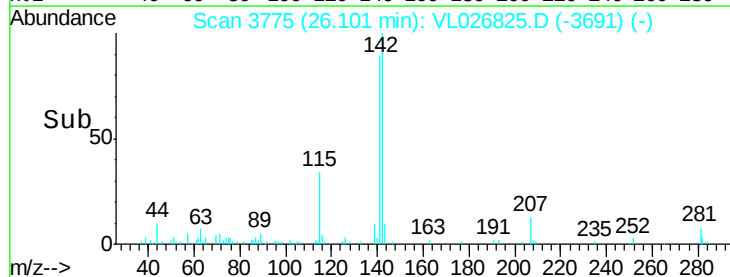
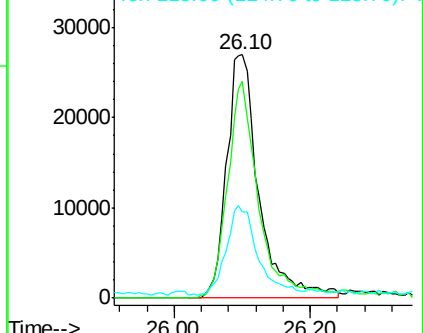
115 38.2 27.5 41.3

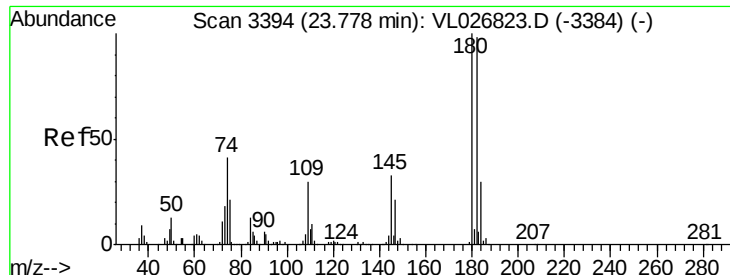


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.36 ppbv

RT: 23.78 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VL026825.D

Acq: 9 Feb 2016 18:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

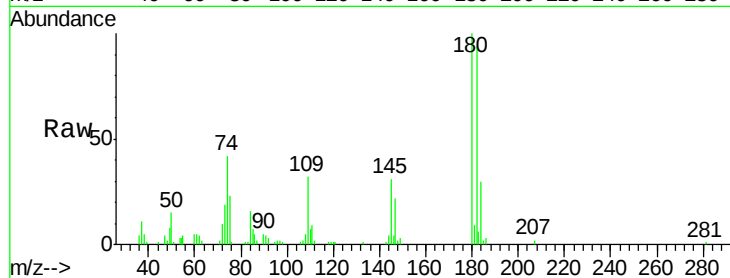
Tgt Ion:180 Resp: 112315

Ion Ratio Lower Upper

180 100

182 95.8 77.3 115.9

184 29.6 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

