

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026648.D
 Acq On : 8 Jan 2016 16:06
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Jan 08 22:13:23 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 22:06:23 2016
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	1105099	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	3047625	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	3874073	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2936000	9.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	562899	1.92	ppbv	98
3) Chlorodifluoromethane	3.56	51	296976	2.13	ppbv	93
4) Chloromethane	3.74	50	151598	2.10	ppbv	98
5) Vinyl Chloride	3.87	62	163362	2.01	ppbv	99
6) Bromomethane	4.13	94	119086	1.95	ppbv	97
7) Chloroethane	4.23	64	70262	1.93	ppbv	98
8) Dichlorotetrafluoroethane	3.79	85	446058	1.99	ppbv	97
9) Propene	3.59	41	119262	2.23	ppbv	98
10) Heptane	9.33	43	421860	2.18	ppbv	98
11) Trichlorofluoromethane	4.68	101	551307	1.89	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	351534	1.97	ppbv	98
13) Ethanol	4.32	45	24277	2.15	ppbv	96
14) Bromoethene	4.44	108	129051	1.91	ppbv	98
15) Acetone	4.59	43	378395	2.34	ppbv #	78
16) 1,3-Butadiene	3.96	39	148917	2.06	ppbv	97
17) tert-Butyl alcohol	5.12	59	231673	1.54	ppbv	98
18) 1,1-Dichloroethene	5.07	96	152796	1.98	ppbv	90
19) Isopropyl Alcohol	4.75	45	148598	1.68	ppbv #	1
20) Methylene Chloride	5.14	84	147406	2.10	ppbv	99
21) Allyl Chloride	5.21	41	226068	2.03	ppbv	92
22) trans-1,2-Dichloroethene	5.74	96	174009	1.96	ppbv	97
23) Vinyl Acetate	5.96	43	596204	2.04	ppbv	97
24) 1,1-Dichloroethane	5.89	63	396476	2.02	ppbv	98
25) Ethyl Acetate	6.65	43	593655	2.10	ppbv	100
26) Hexane	6.64	57	306190	2.16	ppbv	98
27) Carbon Disulfide	5.37	76	422438	1.88	ppbv	97
28) Methyl tert-Butyl Ether	5.94	73	569854	1.95	ppbv	99
29) Chloroform	6.73	83	494512	1.96	ppbv	100
30) Cyclohexane	8.26	84	298532	2.07	ppbv	89
31) cis-1,2-Dichloroethene	6.49	61	296238	1.97	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	511569	1.88	ppbv	100
34) 2-Butanone	6.18	43	356685	2.23	ppbv	97
35) Carbon Tetrachloride	8.14	117	486475	1.94	ppbv	96
36) Benzene	8.00	78	693778	2.25	ppbv	97
37) 1,2-Dichloroethane	7.35	62	421655	2.01	ppbv	100
38) Trichloroethene	9.04	130	276804	2.32	ppbv	98
39) 1,2-Dichloropropane	8.80	63	235109	2.21	ppbv	99
40) 1,4-Dioxane	9.12	88	60054	1.78	ppbv #	27
41) Tetrahydrofuran	7.12	42	188540	2.23	ppbv	96
42) Bromodichloromethane	9.00	83	564530	2.07	ppbv	98
43) Methyl Methacrylate	9.24	69	248534	2.05	ppbv	99

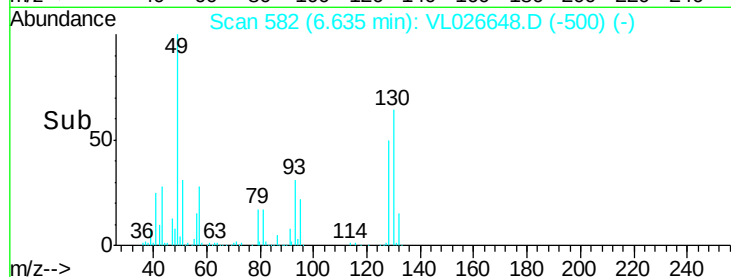
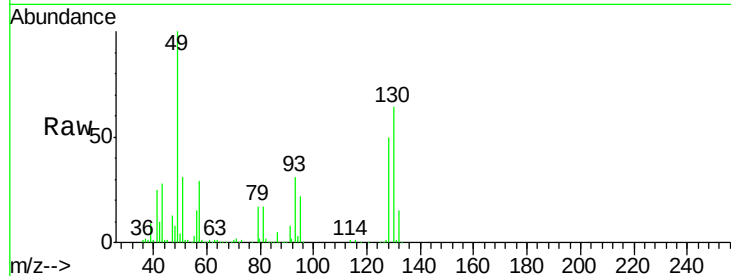
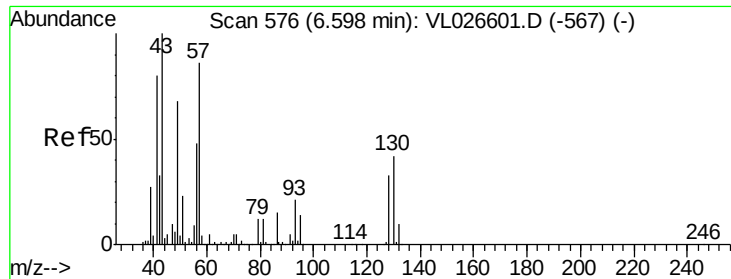
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	1149760	2.38	ppbv	97
45) t-1,3-Dichloropropene	10.62	75	389773	1.87	ppbv	96
46) cis-1,3-Dichloropropene	9.99	75	448988	1.99	ppbv	97
47) 1,1,2-Trichloroethane	10.85	97	321890	2.17	ppbv	96
48) Dibromochloromethane	11.77	129	465322	1.98	ppbv	99
49) Bromoform	14.79	173	386092	1.97	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	507275	2.15	ppbv	99
51) 2-Hexanone	11.60	43	488981	2.12	ppbv #	100
52) Tetrachloroethene	12.76	164	302388	2.25	ppbv	95
53) Toluene	11.21	91	961868	2.19	ppbv	100
54) 1,2-Dibromoethane	12.12	107	502512	2.15	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.76	131	370485	2.17	ppbv #	1
57) Chlorobenzene	13.79	112	841622	2.33	ppbv	95
58) Ethyl Benzene	14.38	91	1530788	2.21	ppbv	98
59) m/p-Xylene	14.69	91	1220080	2.28	ppbv #	26
60) o-Xylene	15.46	91	1319169	2.38	ppbv	98
61) Styrene	15.28	104	537590	2.03	ppbv	99
62) Isopropylbenzene	16.52	105	1746676	2.26	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.45	83	885326	2.49	ppbv	100
64) n-propylbenzene	17.49	120	457696	2.23	ppbv	93
65) tert-Butylbenzene	18.78	119	1683558	2.61	ppbv	94
66) Benzyl Chloride	19.08	91	565884	1.89	ppbv	99
67) sec-Butylbenzene	19.38	105	2373471	2.37	ppbv	99
69) p-Isopropyltoluene	19.76	119	1841423	2.34	ppbv	99
70) n-Butylbenzene	20.73	91	1943007	2.34	ppbv	98
71) 2-Chlorotoluene	17.39	91	1376532	2.19	ppbv	99
72) 4-Ethyltoluene	17.79	105	1493975	2.21	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	1394626	2.25	ppbv	96
74) 1,2,4-Trimethylbenzene	18.80	105	1495917	2.47	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	887677	2.35	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	905883	2.28	ppbv	99
77) 1,2-Dichlorobenzene	20.00	146	903240	2.29	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	381726	2.43	ppbv	99
79) Naphthalene	23.91	128	1036539	2.19	ppbv	98
80) Naphthalene, 2-methyl-	26.02	142	146533	1.21	ppbv #	93
81) 1,2,4-Trichlorobenzene	23.71	180	466941	2.28	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. 0.00 min

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VSTDIC002

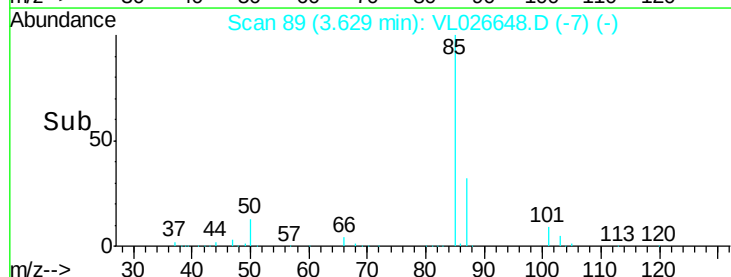
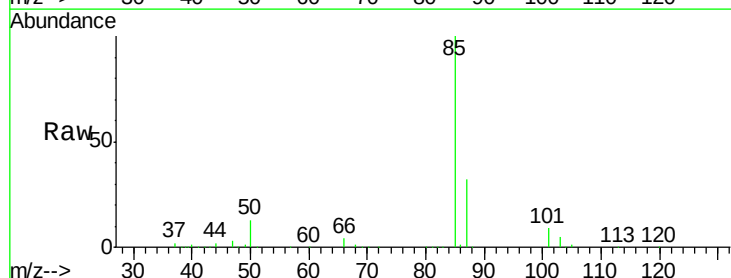
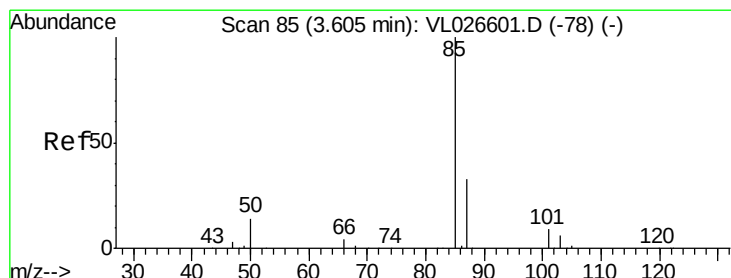
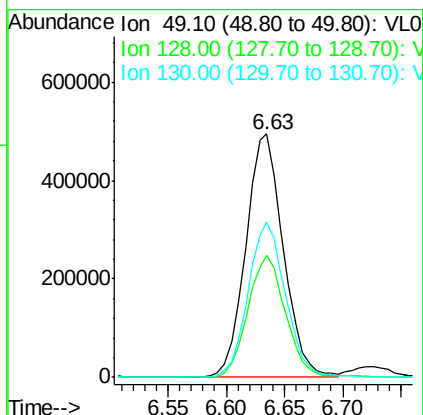
Tot Ion: 49 Resp: 1105099

Ion Ratio Lower Upper

49 100

128 51.0 25.9 77.7

130 65.1 33.6 100.8



#2

Dichlorodifluoromethane

Concen: 1.92 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026648.D

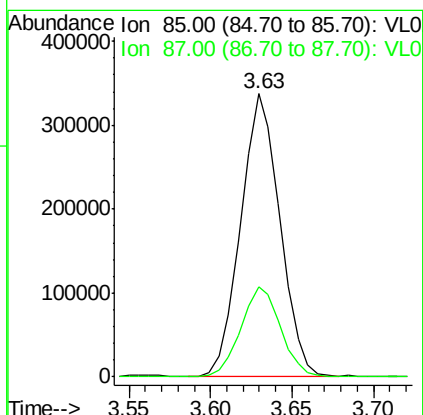
Acq: 8 Jan 2016 16:06

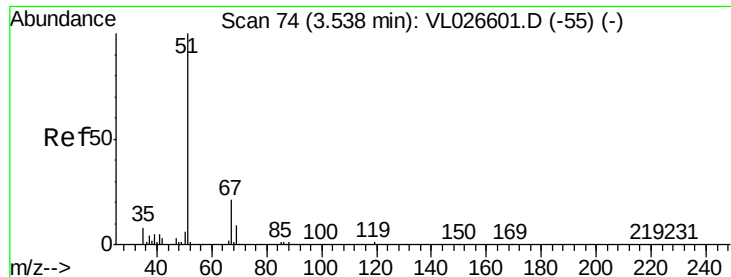
Tgt Ion: 85 Resp: 562899

Ion Ratio Lower Upper

85 100

87 31.9 26.4 39.6





#3

Chlorodifluoromethane

Concen: 2.13 ppbv

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

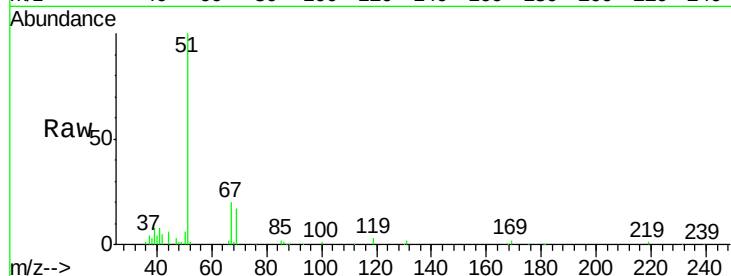
VSTDIC002

Tot Ion: 51 Resp: 296976

Ion Ratio Lower Upper

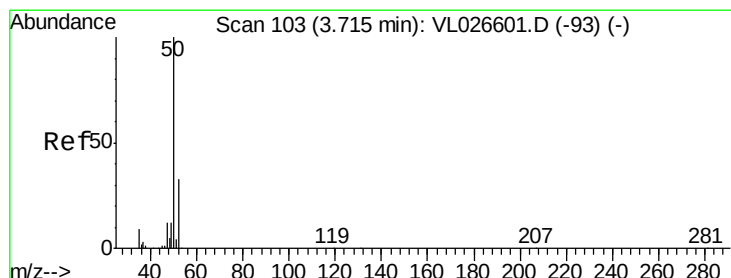
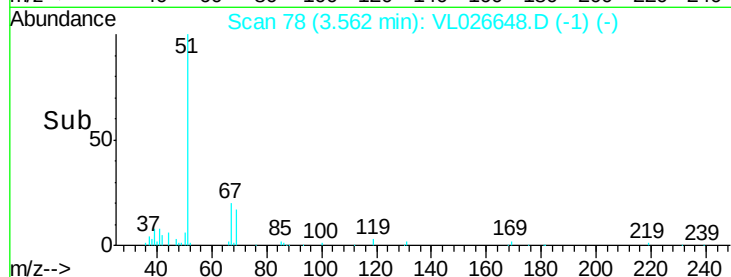
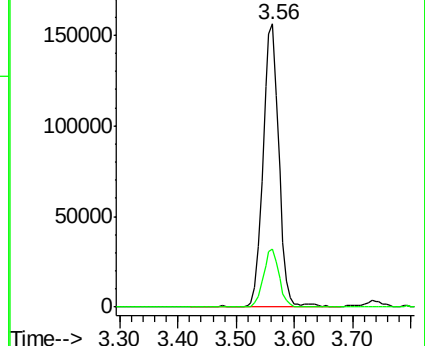
51 100

67 20.1 18.6 28.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.10 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026648.D

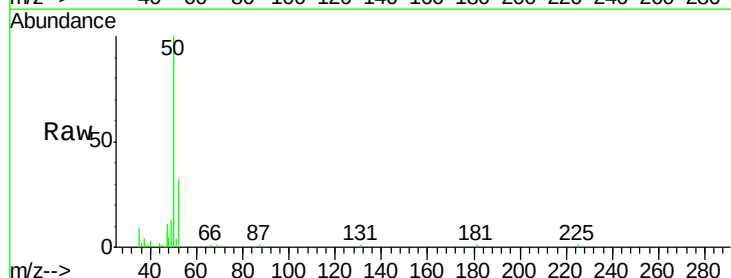
Acq: 8 Jan 2016 16:06

Tgt Ion: 50 Resp: 151598

Ion Ratio Lower Upper

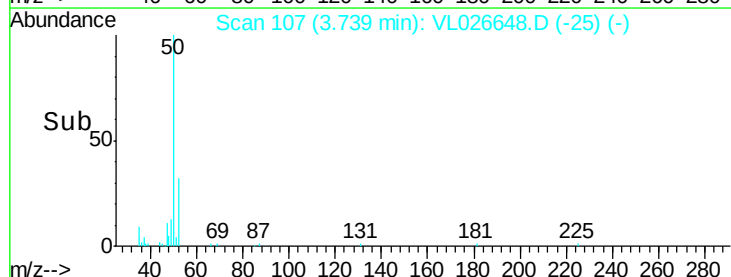
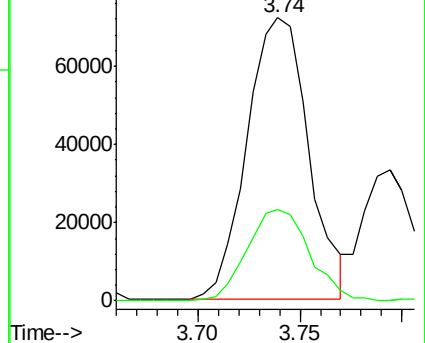
50 100

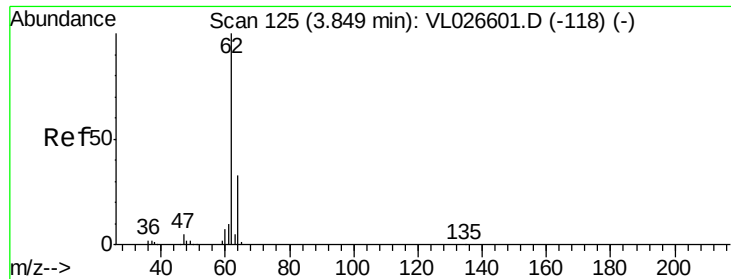
52 32.4 26.7 40.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.01 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

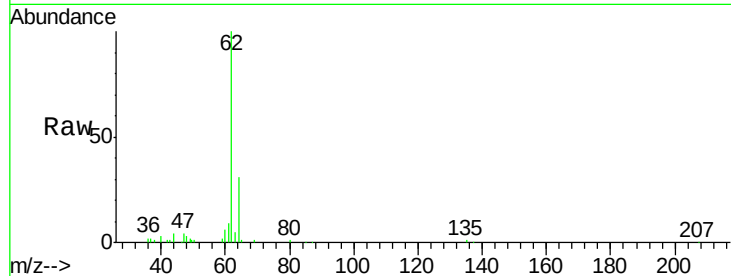
VSTDIC002

Tot Ion: 62 Resp: 163362

Ion Ratio Lower Upper

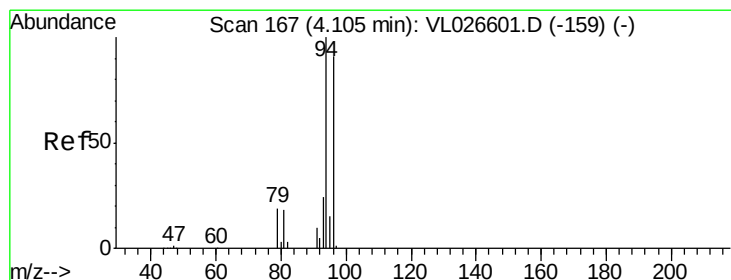
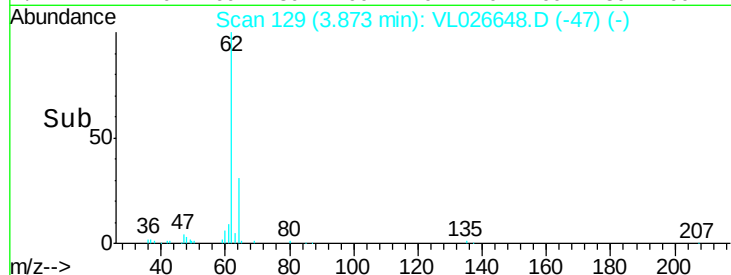
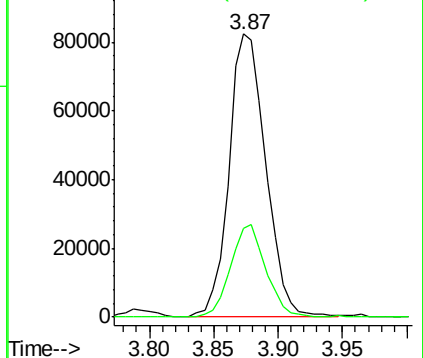
62 100

64 31.4 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.95 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026648.D

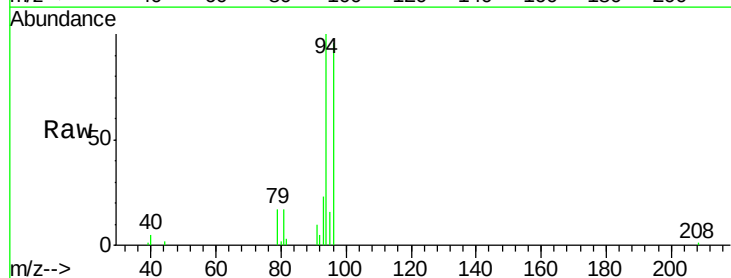
Acq: 8 Jan 2016 16:06

Tgt Ion: 94 Resp: 119086

Ion Ratio Lower Upper

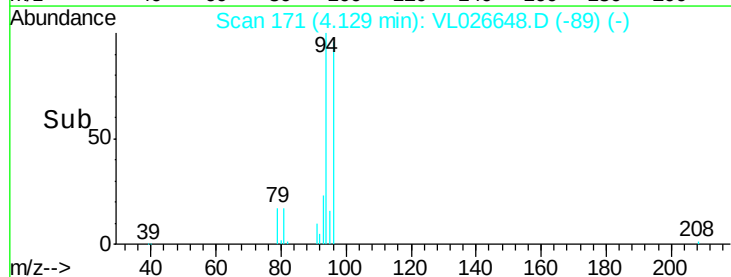
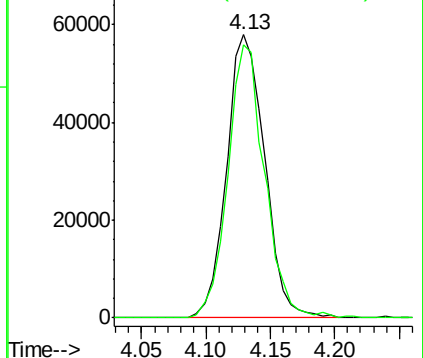
94 100

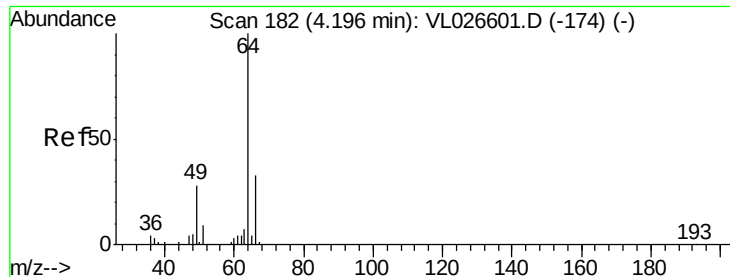
96 96.3 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.93 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

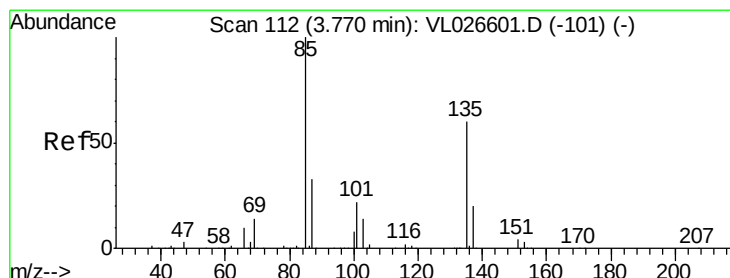
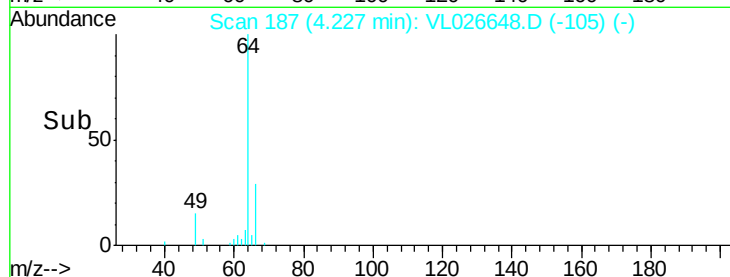
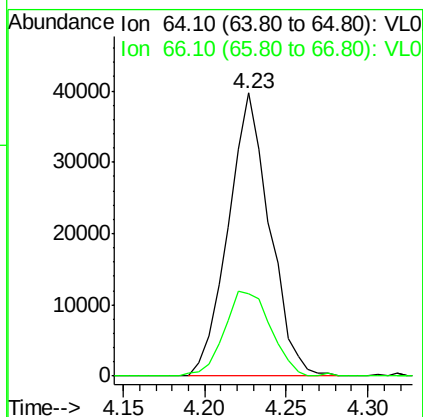
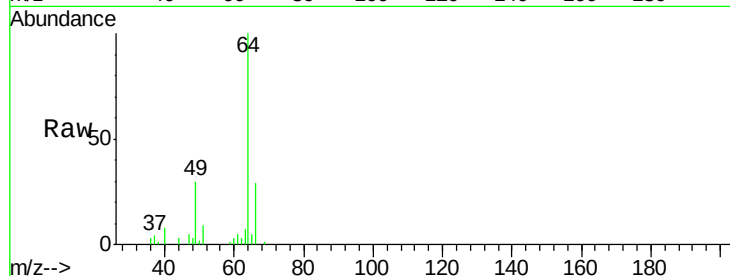
VSTDIC002

Tot Ion: 64 Resp: 70262

Ion Ratio Lower Upper

64 100

66 29.3 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 1.99 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026648.D

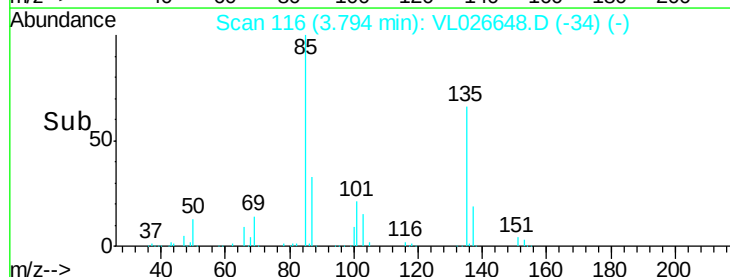
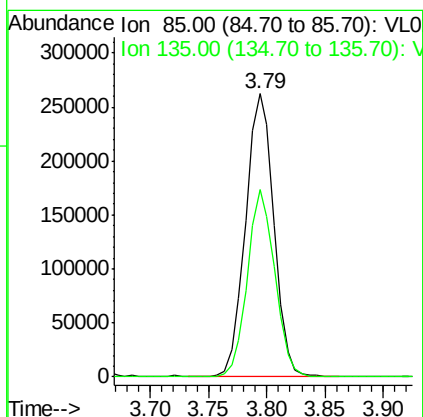
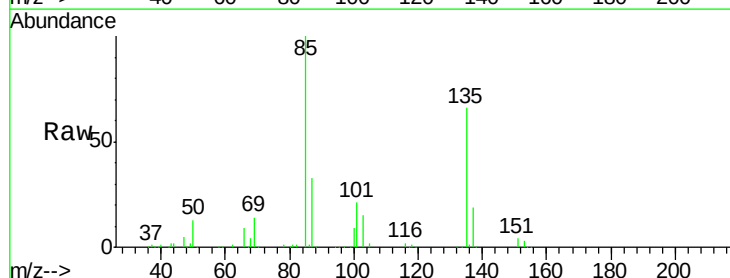
Acq: 8 Jan 2016 16:06

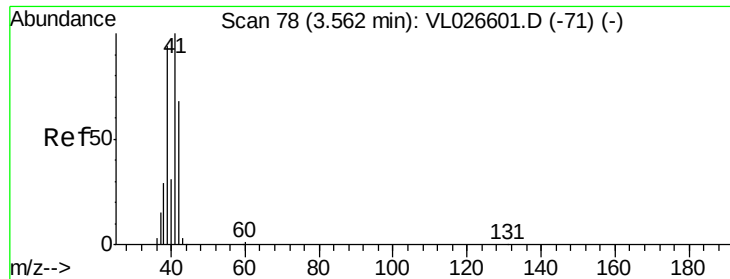
Tgt Ion: 85 Resp: 446058

Ion Ratio Lower Upper

85 100

135 64.3 49.8 74.6





#9

Propene

Concen: 2.23 ppbv

RT: 3.59 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

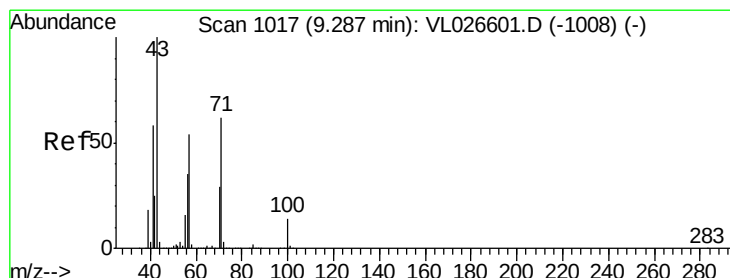
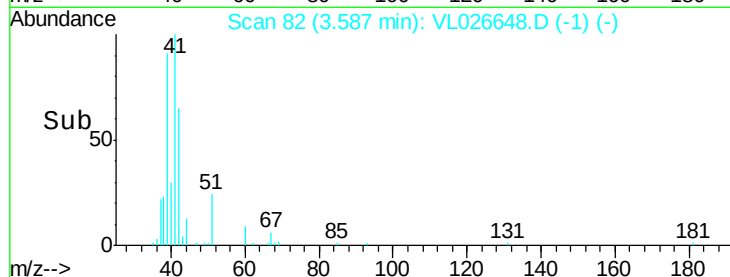
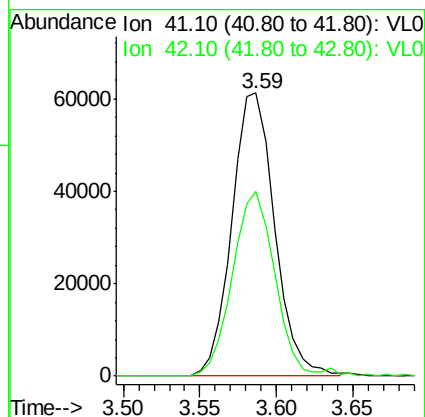
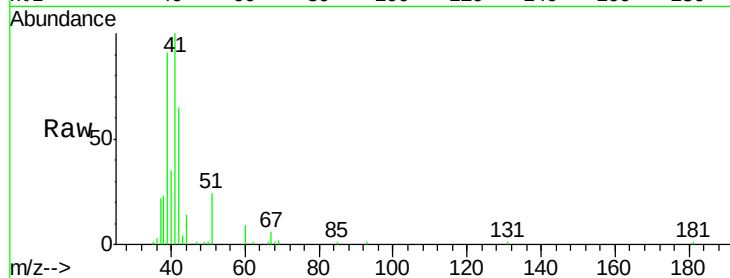
VSTDIC002

Tot Ion: 41 Resp: 119262

Ion Ratio Lower Upper

41 100

42 65.1 53.6 80.4



#10

Heptane

Concen: 2.18 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026648.D

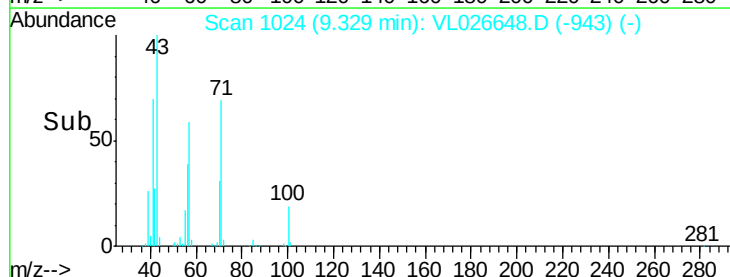
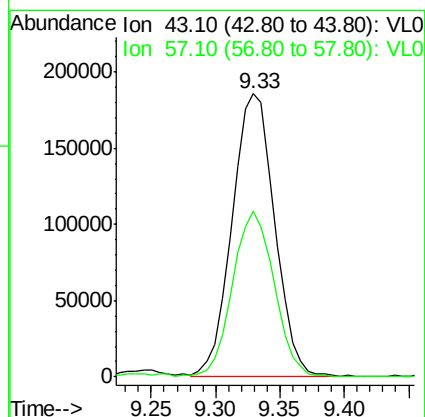
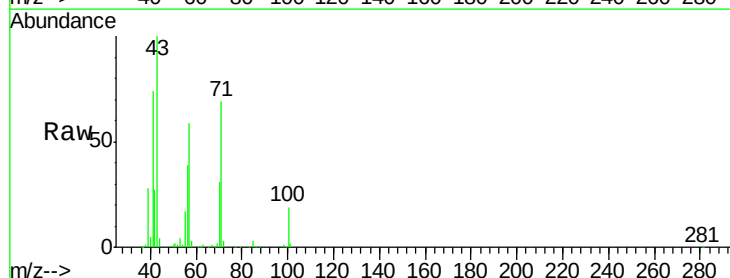
Acq: 8 Jan 2016 16:06

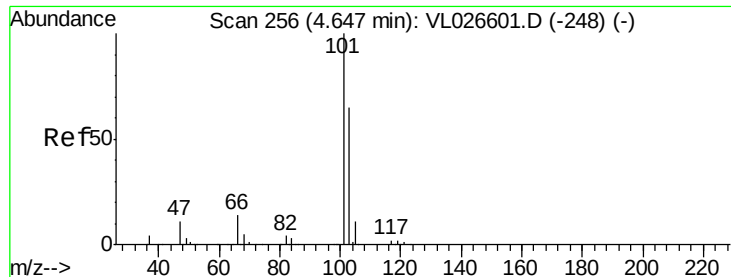
Tgt Ion: 43 Resp: 421860

Ion Ratio Lower Upper

43 100

57 58.8 45.8 68.6





#11

Trichlorofluoromethane

Concen: 1.89 ppbv

RT: 4.68 min Scan# 261

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

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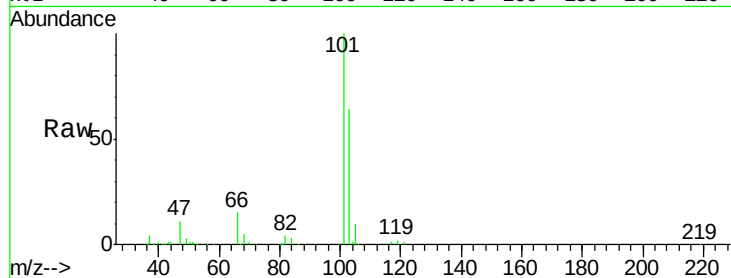
VSTDIC002

Tot Ion:101 Resp: 551307

Ion Ratio Lower Upper

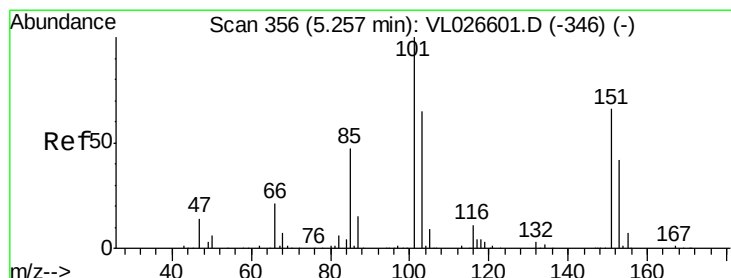
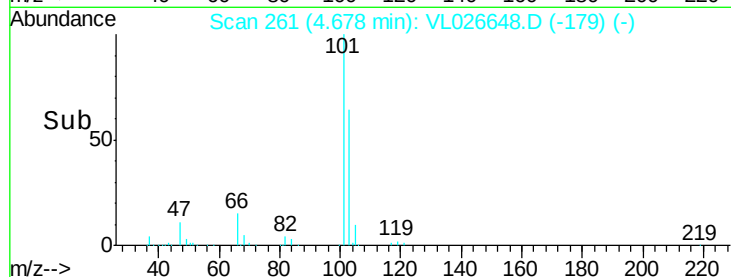
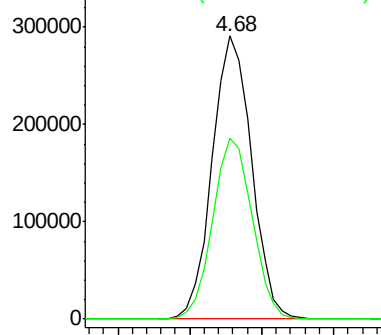
101 100

103 64.0 51.7 77.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.97 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026648.D

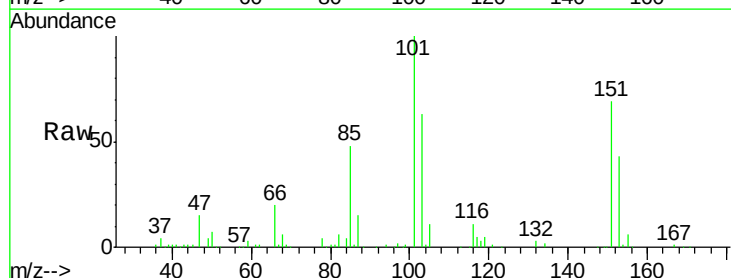
Acq: 8 Jan 2016 16:06

Tgt Ion:101 Resp: 351534

Ion Ratio Lower Upper

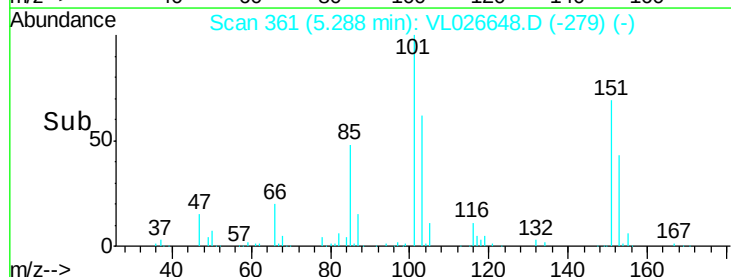
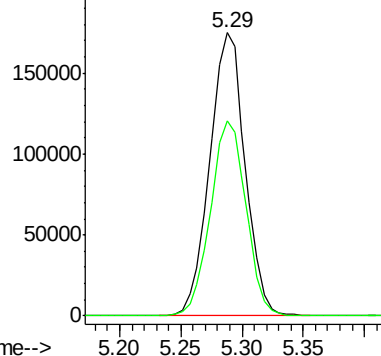
101 100

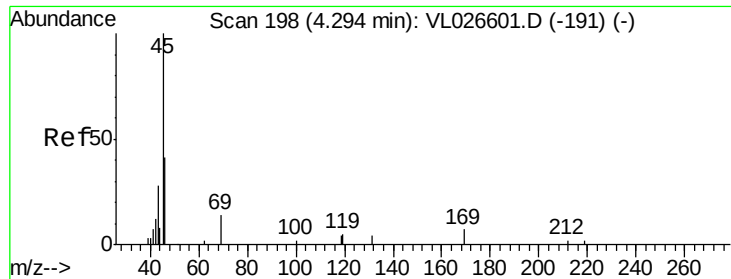
151 69.3 54.2 81.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

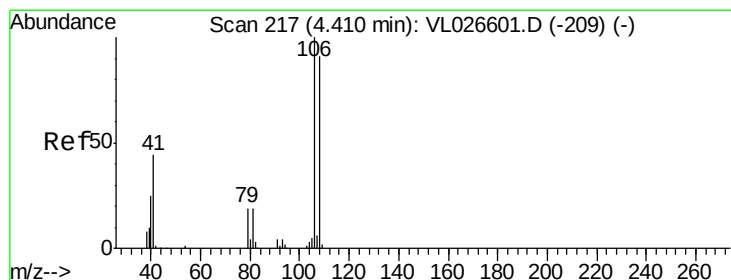
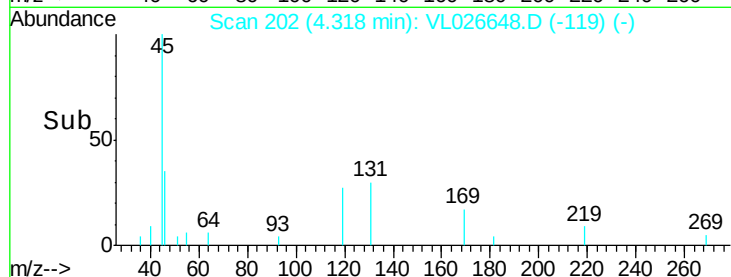
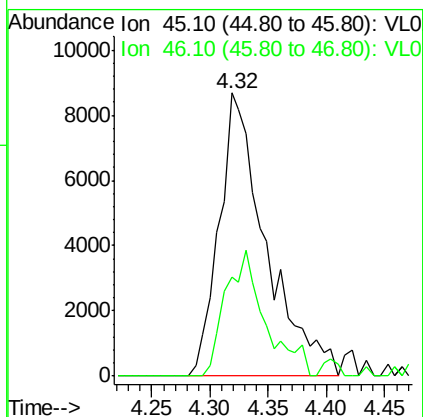
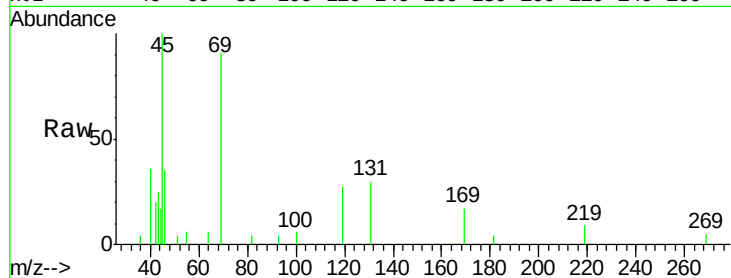




#13
Ethanol
Concen: 2.15 ppbv
RT: 4.32 min Scan# 202
Delta R.T. 0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

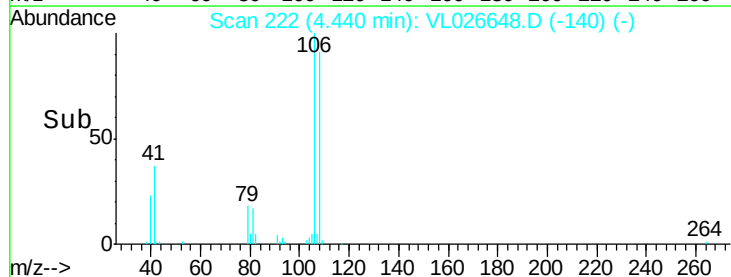
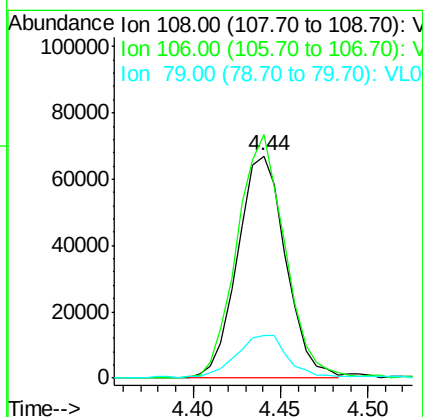
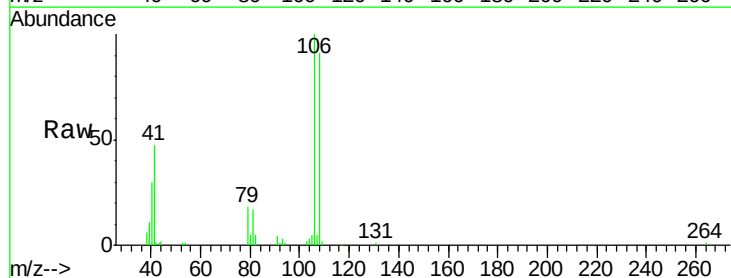
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

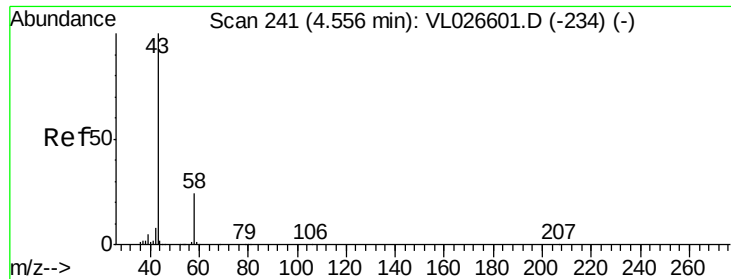
Tot Ion: 45 Resp: 24277
Ion Ratio Lower Upper
45 100
46 39.4 16.7 66.7



#14
Bromoethene
Concen: 1.91 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 108 Resp: 129051
Ion Ratio Lower Upper
108 100
106 110.2 86.3 129.5
79 22.3 17.3 25.9





#15

Acetone

Concen: 2.34 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

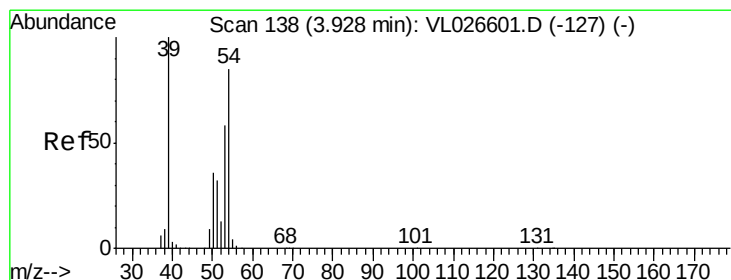
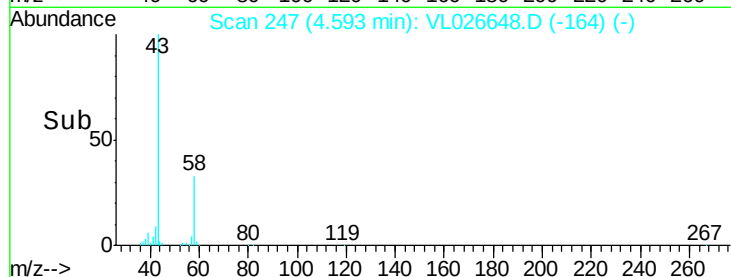
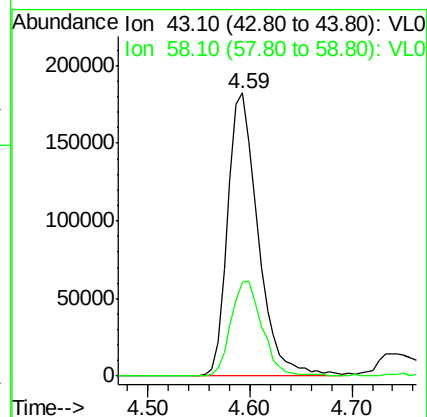
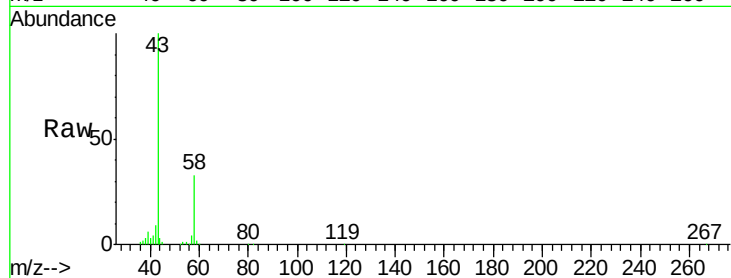
VSTDIC002

Tot Ion: 43 Resp: 378395

Ion Ratio Lower Upper

43 100

58 34.6 19.2 28.8#



#16

1,3-Butadiene

Concen: 2.06 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.00 min

Lab File: VL026648.D

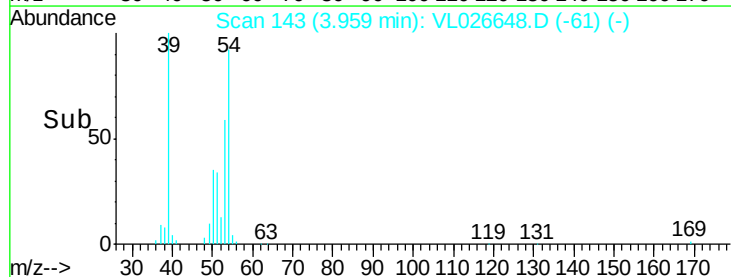
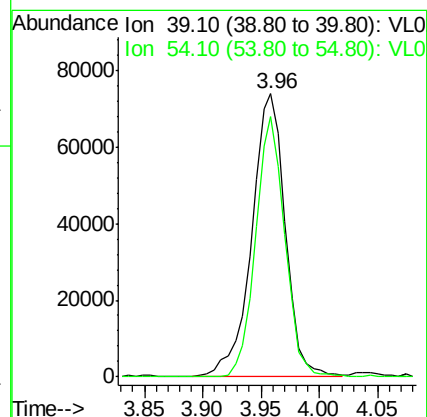
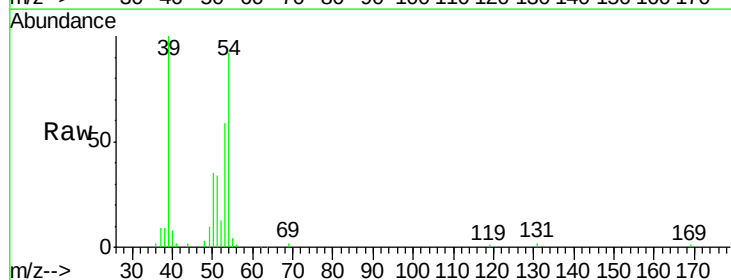
Acq: 8 Jan 2016 16:06

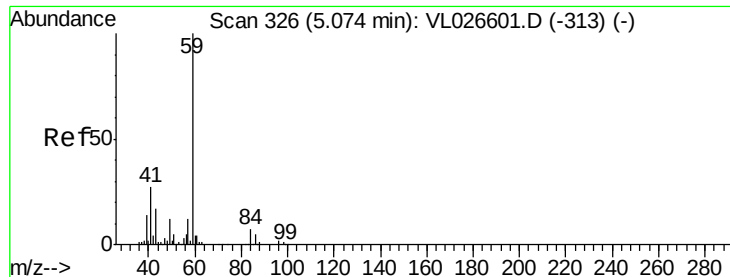
Tgt Ion: 39 Resp: 148917

Ion Ratio Lower Upper

39 100

54 80.1 66.4 99.6



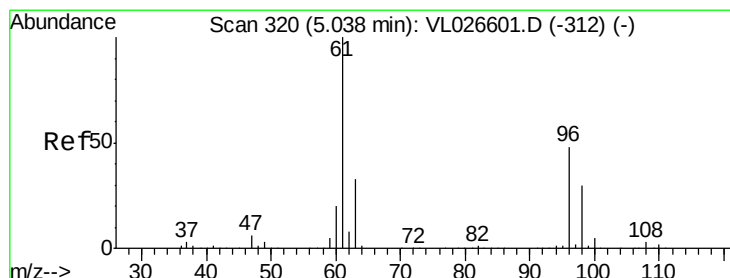
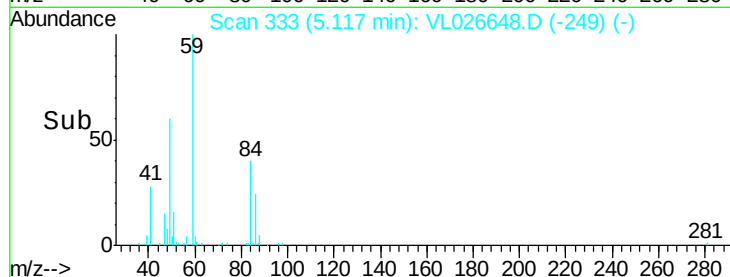
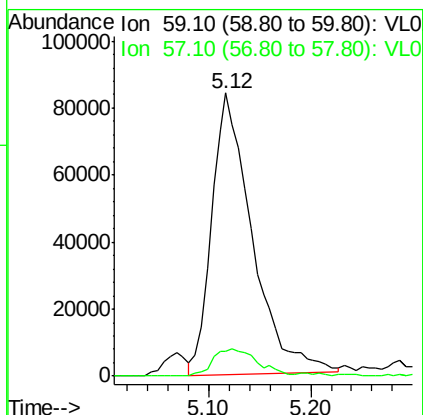
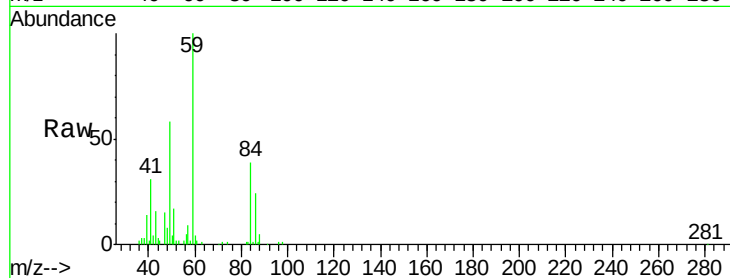


#17

tert-Butyl alcohol
Concen: 1.54 ppbv
RT: 5.12 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

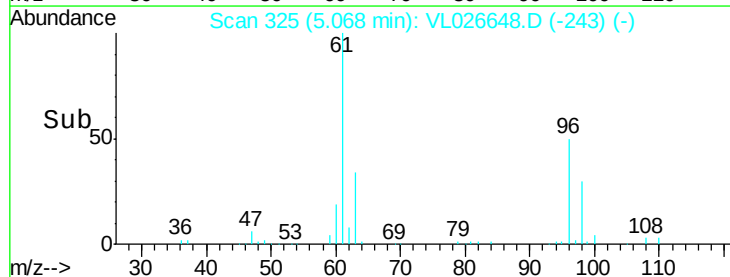
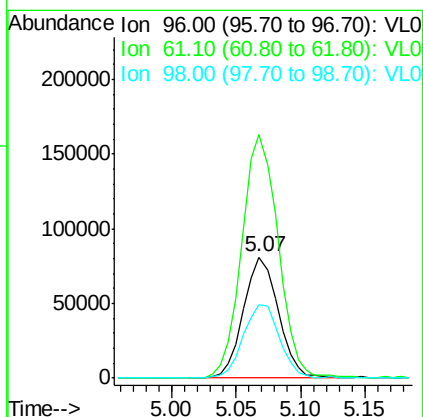
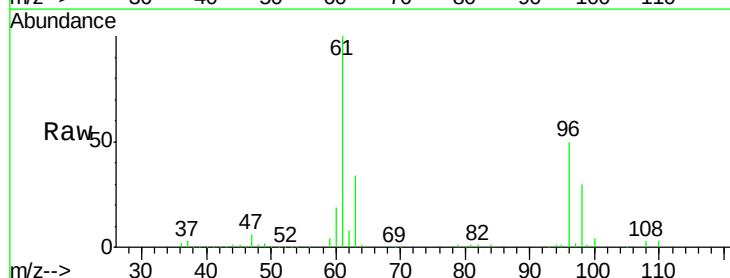
Tot Ion: 59 Resp: 231673
Ion Ratio Lower Upper
59 100
57 11.7 8.9 13.3

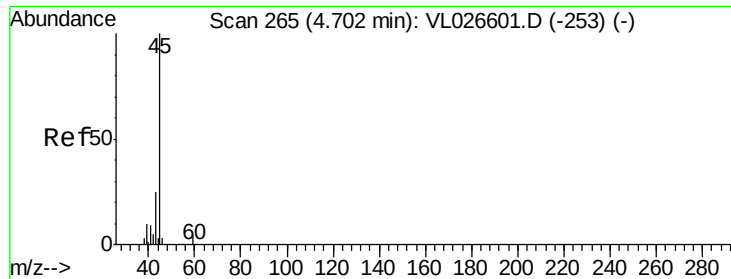


#18

1,1-Dichloroethene
Concen: 1.98 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 96 Resp: 152796
Ion Ratio Lower Upper
96 100
61 201.7 176.7 265.1
98 60.5 51.8 77.6





#19

Isopropyl Alcohol

Concen: 1.68 ppbv

RT: 4.75 min Scan# 272

Delta R.T. 0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

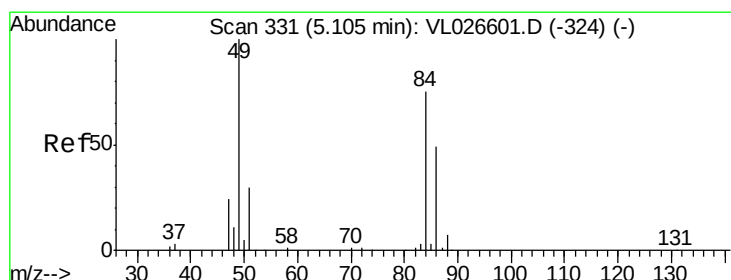
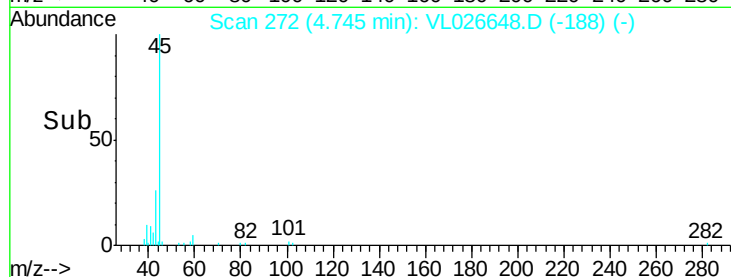
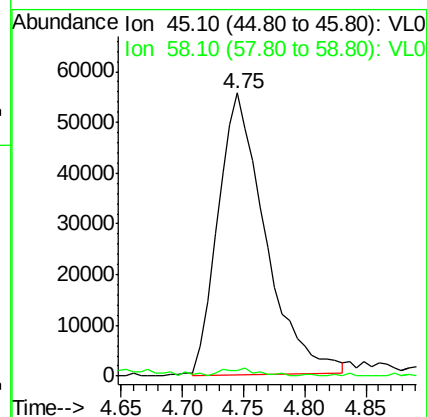
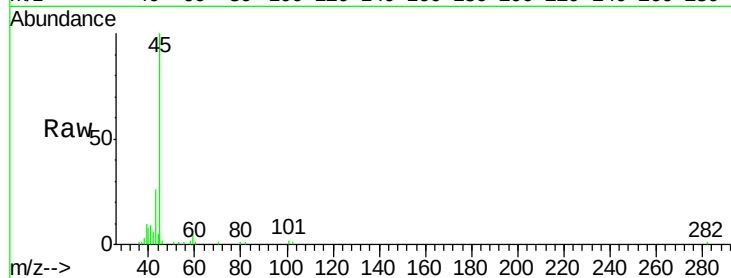
VSTDIC002

Tot Ion: 45 Resp: 148598

Ion Ratio Lower Upper

45 100

58 88.1 1.2 1.8#



#20

Methylene Chloride

Concen: 2.10 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Tgt Ion: 84 Resp: 147406

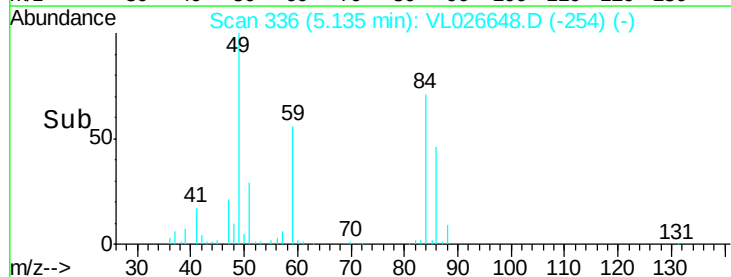
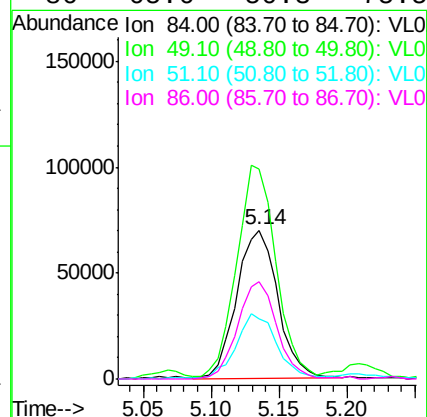
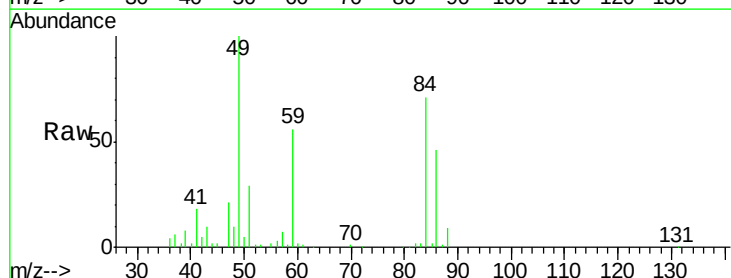
Ion Ratio Lower Upper

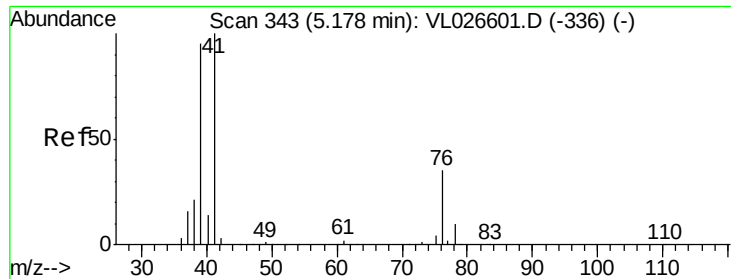
84 100

49 140.0 112.3 168.5

51 40.4 32.5 48.7

86 65.6 50.3 75.5

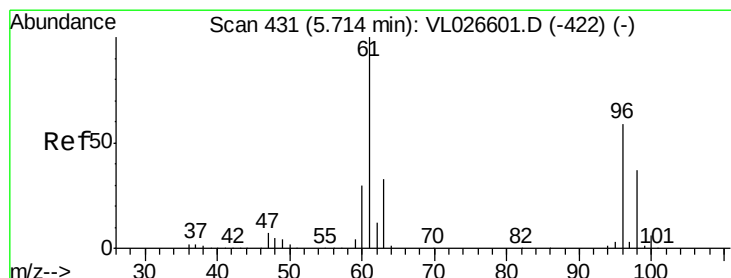
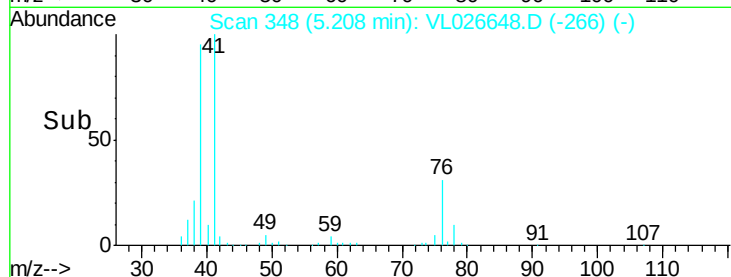
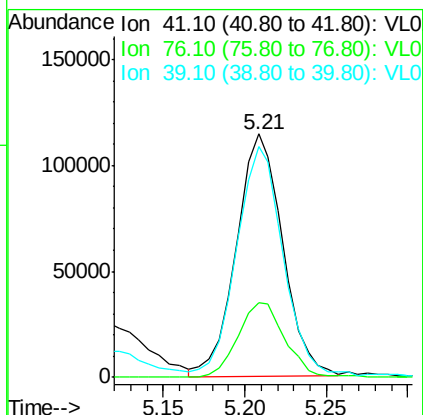
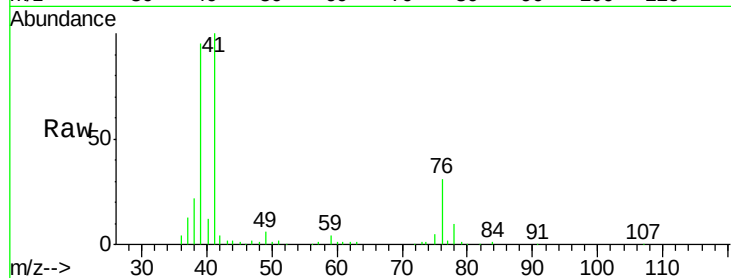




#21
 Allvl Chloride
 Concen: 2.03 ppbv
 RT: 5.21 min Scan# 348
 Delta R.T. 0.00 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

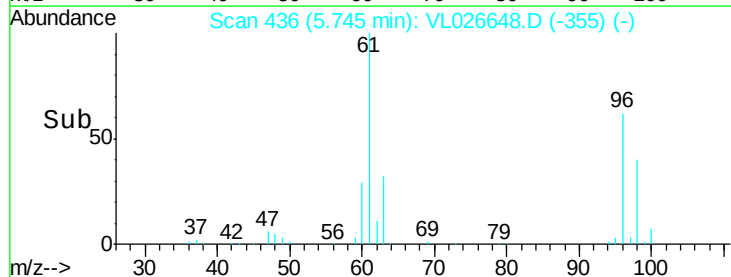
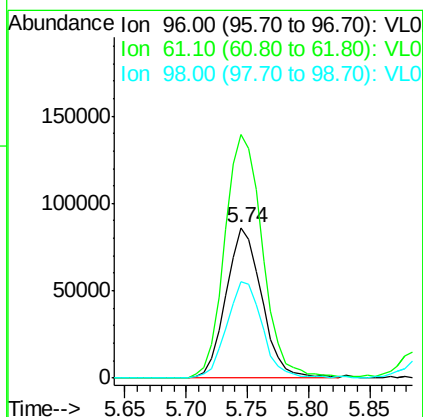
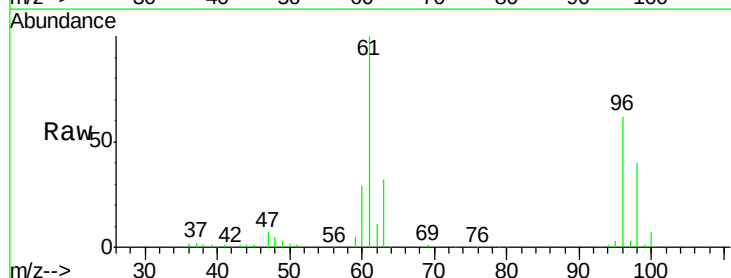
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

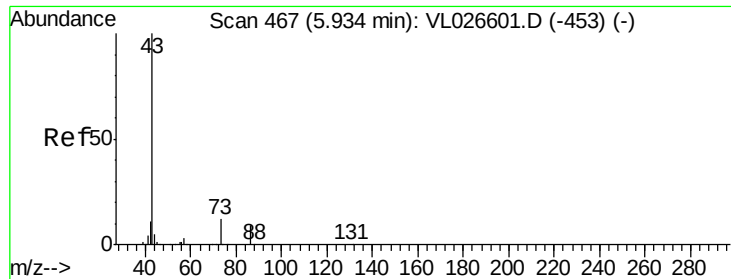
Tot Ion: 41 Resp: 226068
 Ion Ratio Lower Upper
 41 100
 76 31.2 27.5 41.3
 39 95.6 83.2 124.8



#22
 trans-1,2-Dichloroethene
 Concen: 1.96 ppbv
 RT: 5.74 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion: 96 Resp: 174009
 Ion Ratio Lower Upper
 96 100
 61 161.2 131.0 196.6
 98 64.4 48.1 72.1





#23

Vinyl Acetate

Concen: 2.04 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 596204

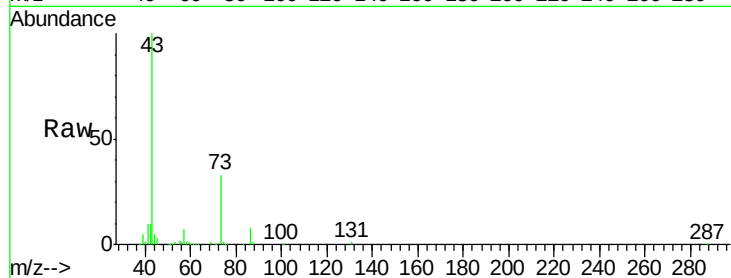
Ion	Ratio	Lower	Upper
43	100		
86	8.1	7.4	11.0
42	10.2	9.2	13.8
44	4.8	3.8	5.8

43 100

86 8.1 7.4 11.0

42 10.2 9.2 13.8

44 4.8 3.8 5.8

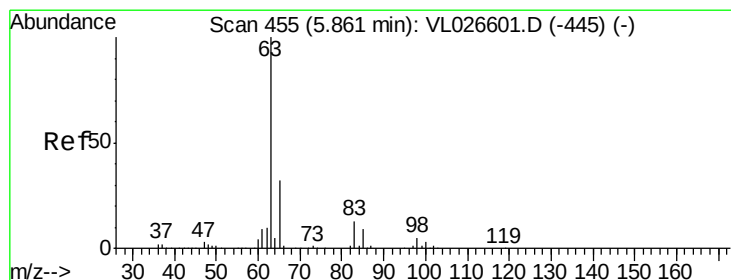
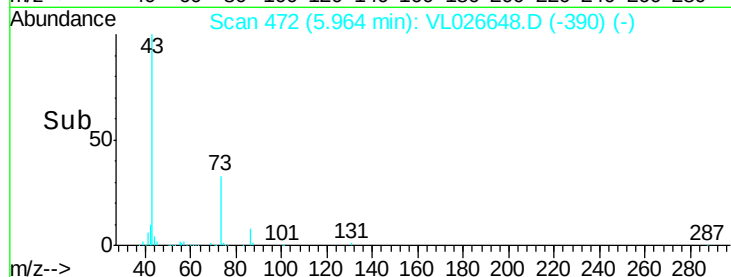
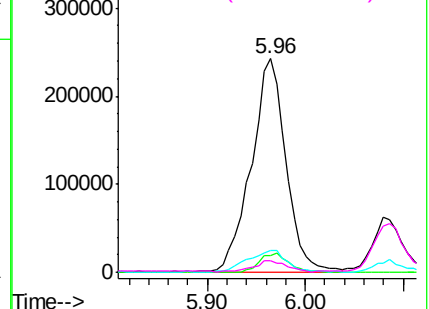


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 2.02 ppbv

RT: 5.89 min Scan# 459

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

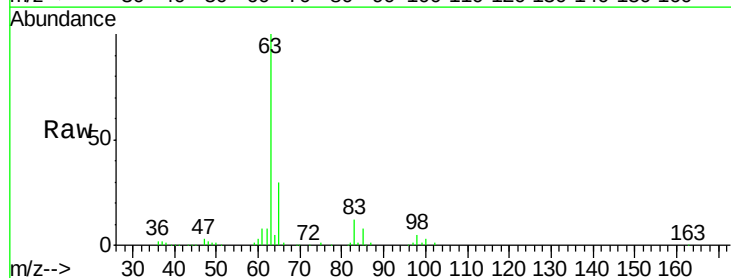
Tgt Ion: 63 Resp: 396476

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.9	8.7
100	2.7	1.6	4.8

63 100

98 5.0 2.9 8.7

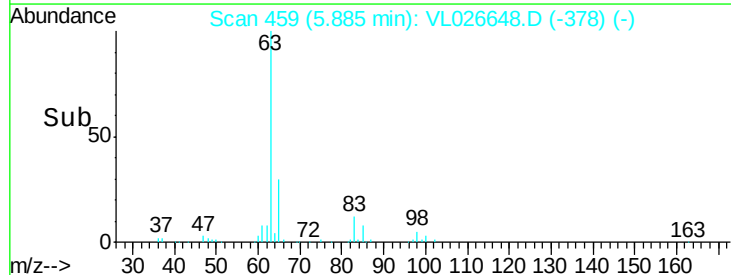
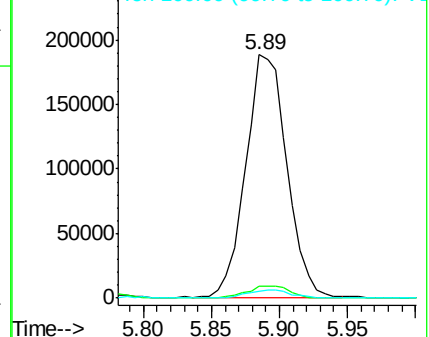
100 2.7 1.6 4.8

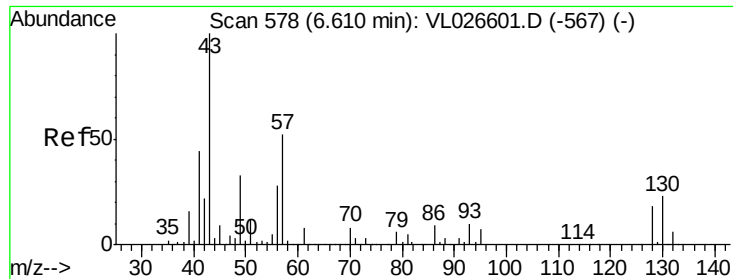


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

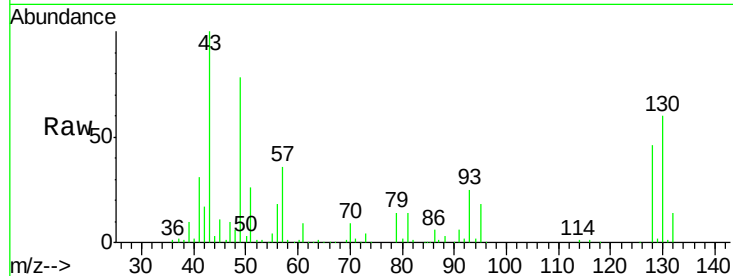




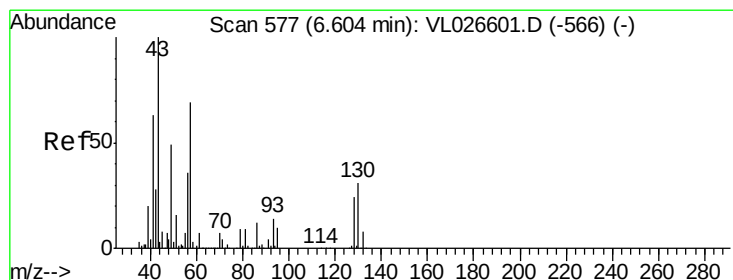
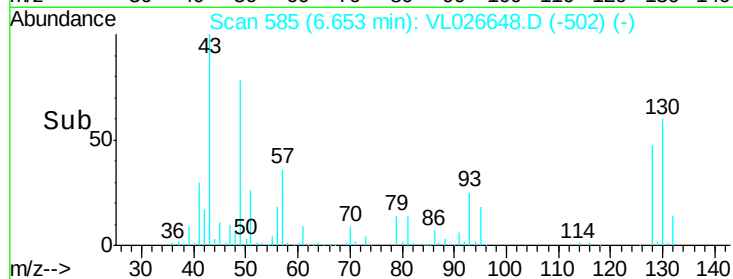
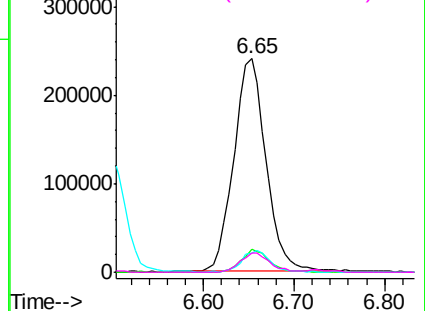
#25
Ethyl Acetate
Concen: 2.10 ppbv
RT: 6.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	43	Resp:	593655
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.5	11.3
61	8.8	7.3	10.9
70	9.2	7.4	11.0

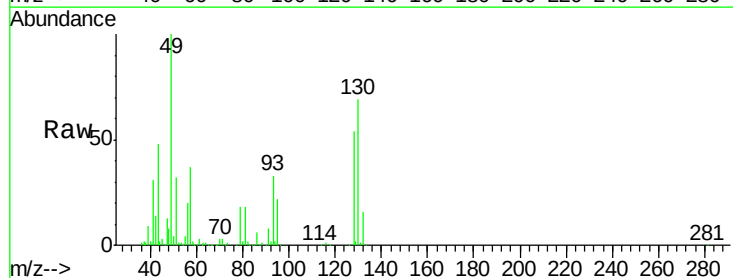


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

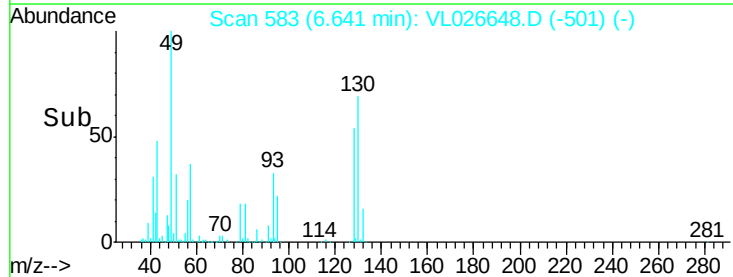
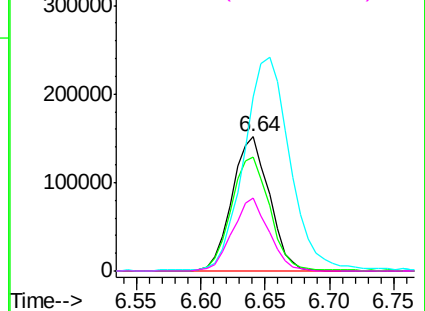


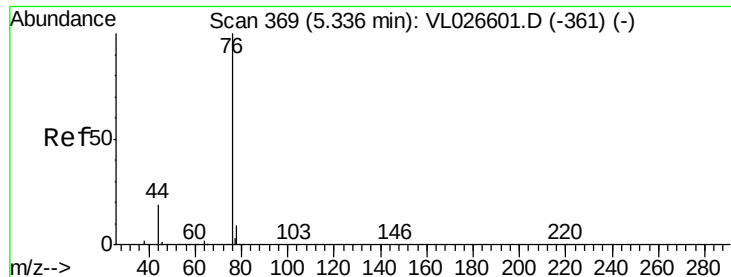
#26
Hexane
Concen: 2.16 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion:	57	Resp:	306190
Ion	Ratio	Lower	Upper
57	100		
41	89.1	74.8	112.2
43	200.6	161.5	242.3
56	52.8	44.4	66.6



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: 1.88 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

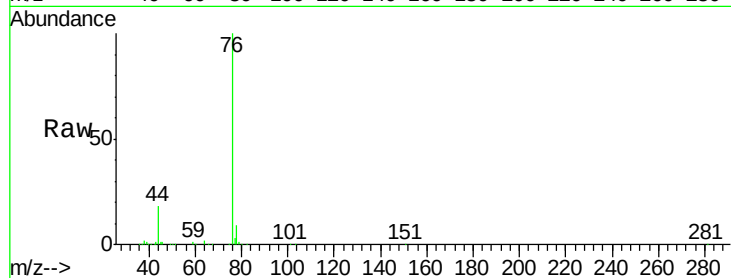
Tot Ion: 76 Resp: 422438

Ion Ratio Lower Upper

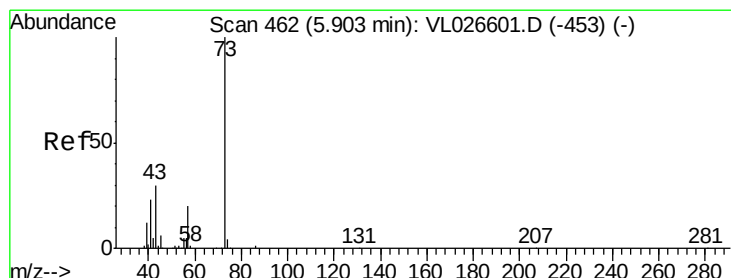
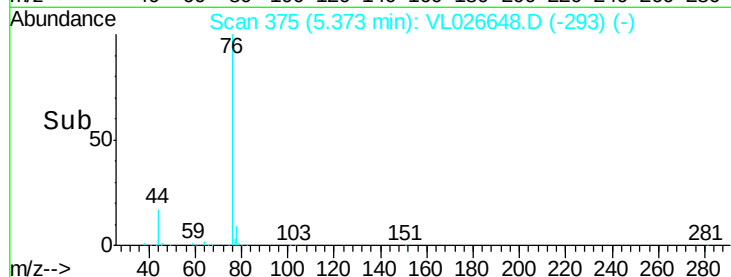
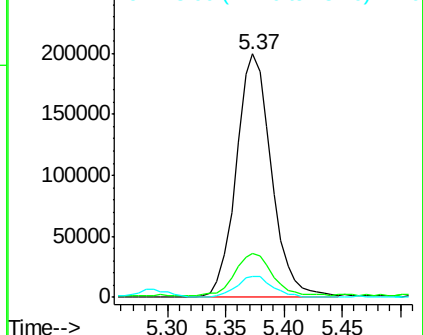
76 100

44 18.3 16.1 24.1

78 9.3 7.4 11.0



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: 1.95 ppbv

RT: 5.94 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL026648.D

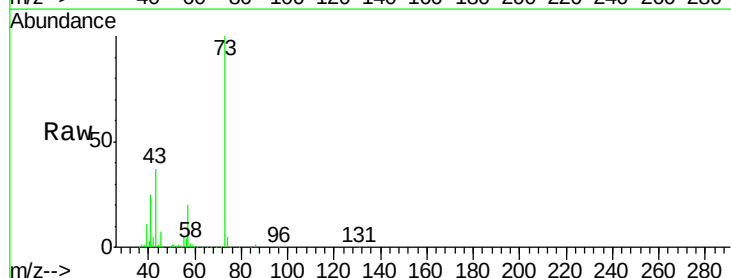
Acq: 8 Jan 2016 16:06

Tgt Ion: 73 Resp: 569854

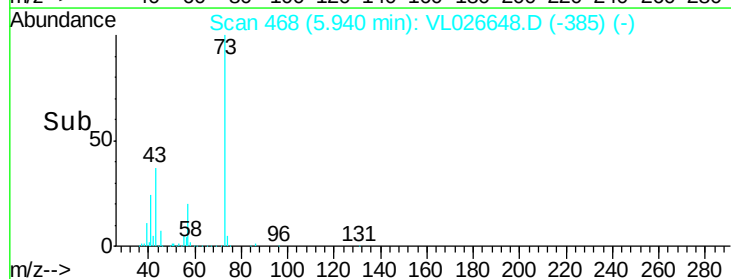
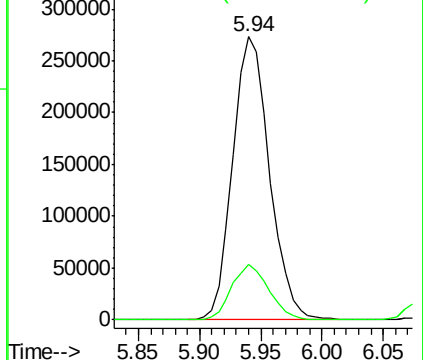
Ion Ratio Lower Upper

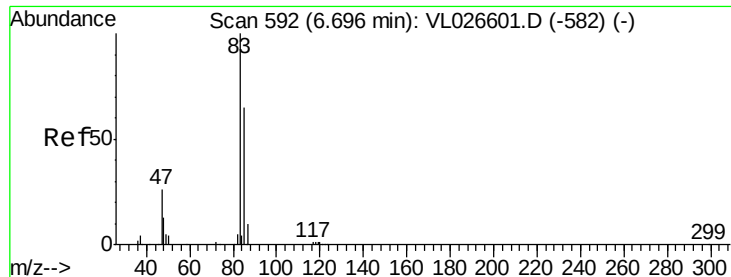
73 100

57 19.8 16.2 24.4



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

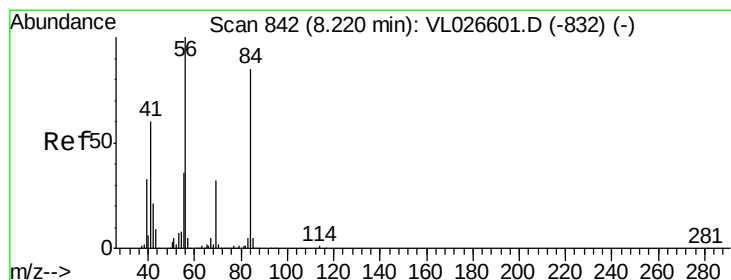
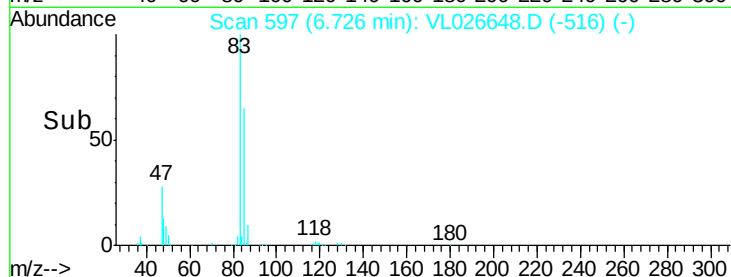
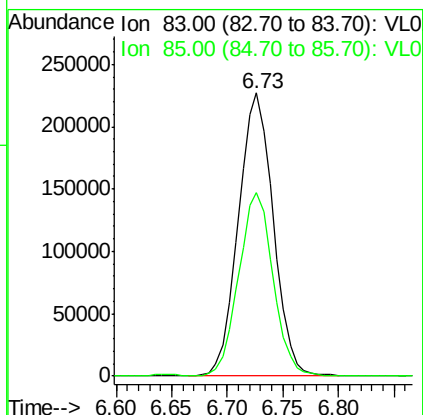
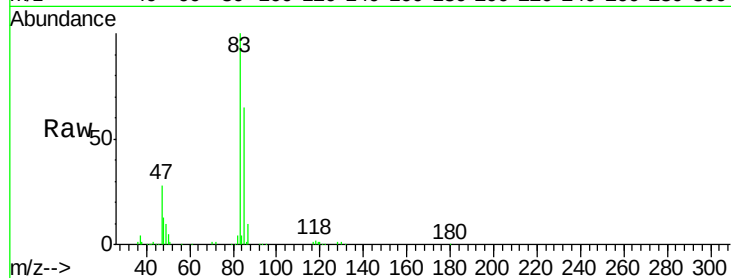




#29
Chloroform
Concen: 1.96 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

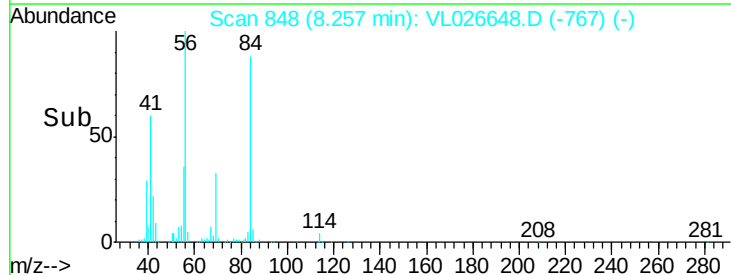
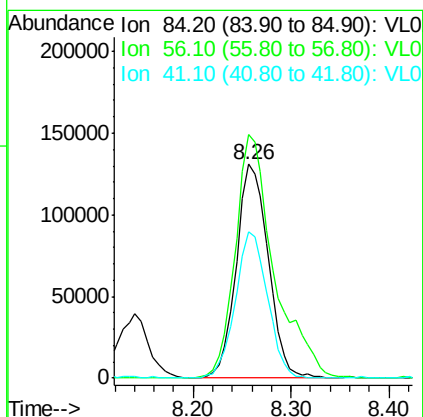
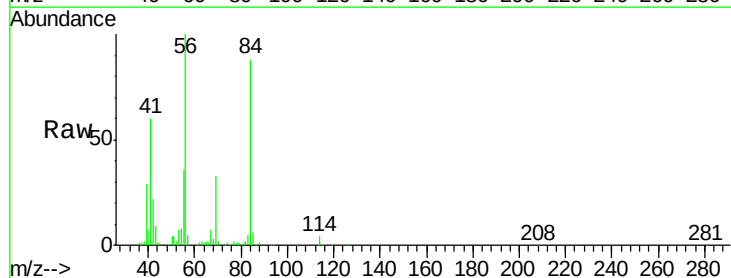
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

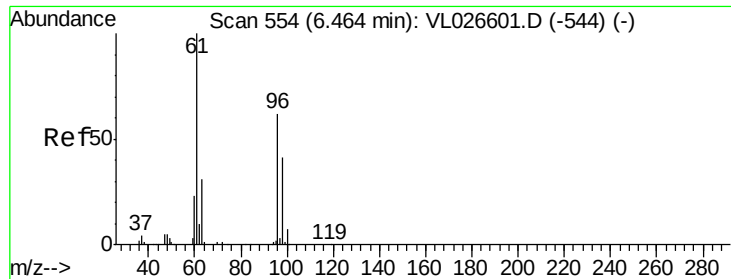
Tot Ion: 83 Resp: 494512
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4



#30
Cyclohexane
Concen: 2.07 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 84 Resp: 298532
Ion Ratio Lower Upper
84 100
56 138.0 95.9 143.9
41 68.8 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 1.97 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

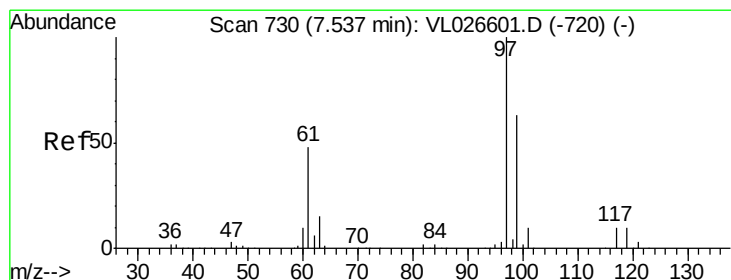
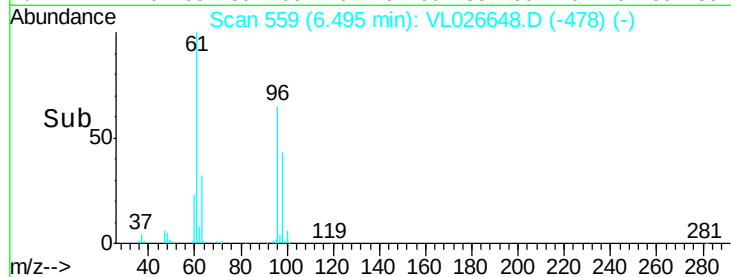
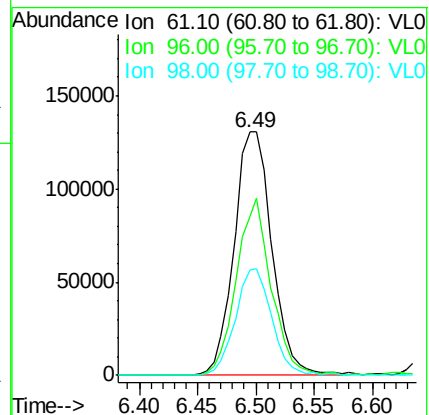
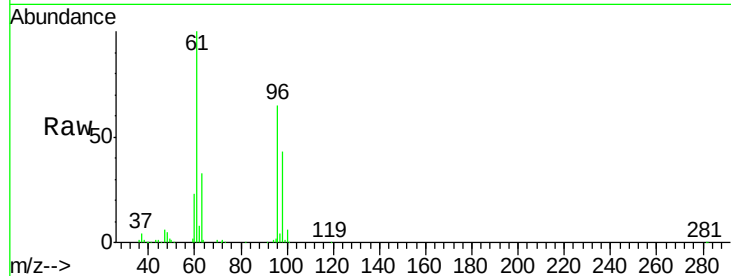
Tot Ion: 61 Resp: 296238

Ion Ratio Lower Upper

61 100

96 65.2 50.2 75.4

98 43.1 32.4 48.6



#32

1,1,1-Trichloroethane

Concen: 1.88 ppbv

RT: 7.57 min Scan# 736

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

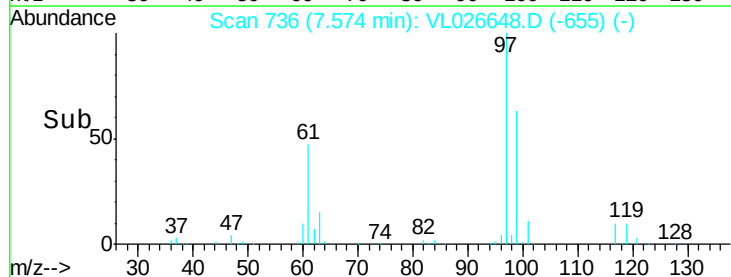
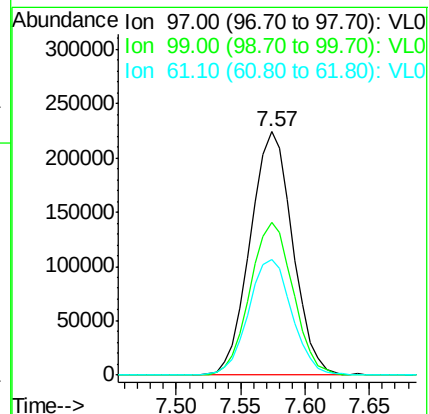
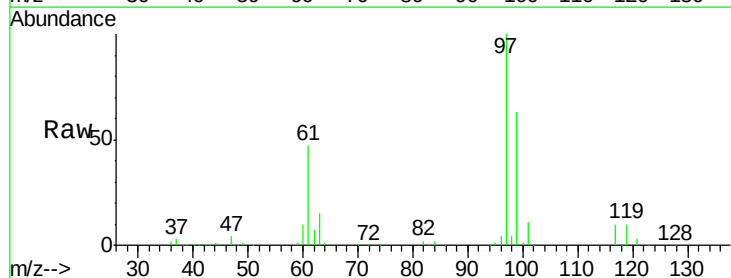
Tgt Ion: 97 Resp: 511569

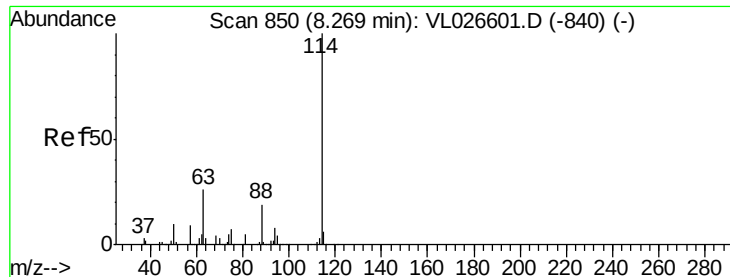
Ion Ratio Lower Upper

97 100

99 63.6 50.8 76.2

61 48.5 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.31 min Scan# 856

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

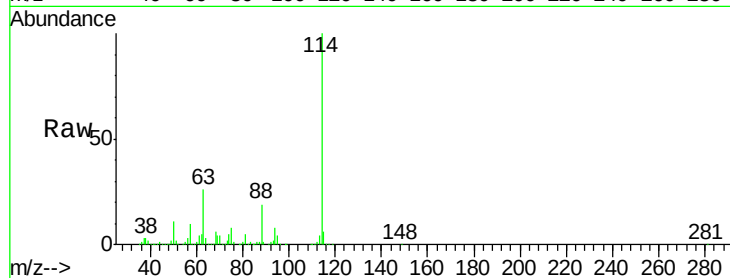
Tot Ion:114 Resp: 3047625

Ion Ratio Lower Upper

114 100

63 27.0 21.7 32.5

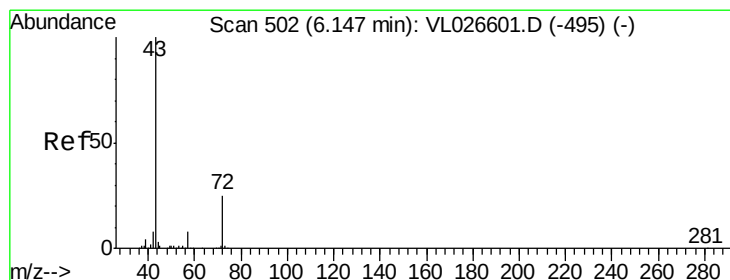
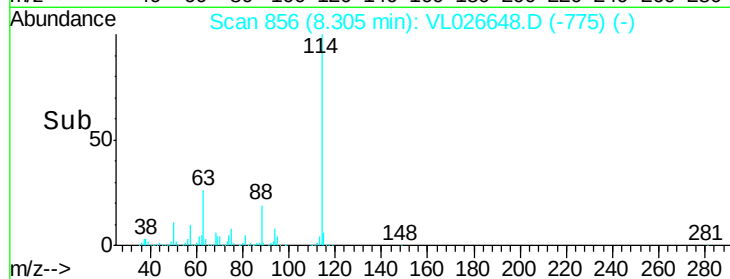
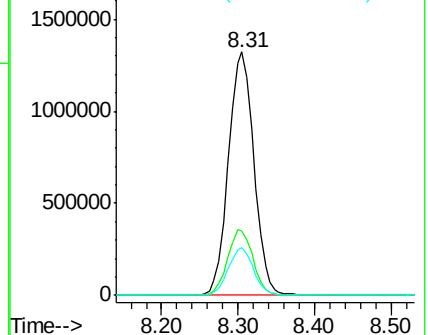
88 19.4 15.2 22.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.23 ppbv

RT: 6.18 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL026648.D

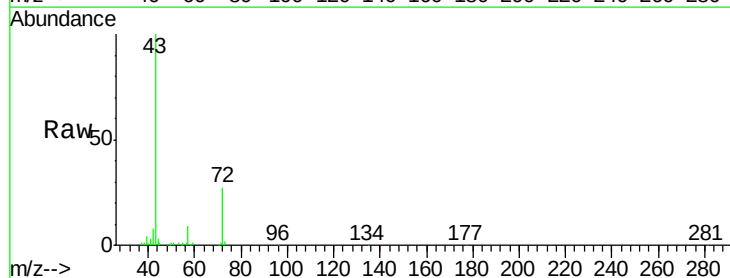
Acq: 8 Jan 2016 16:06

Tgt Ion: 43 Resp: 356685

Ion Ratio Lower Upper

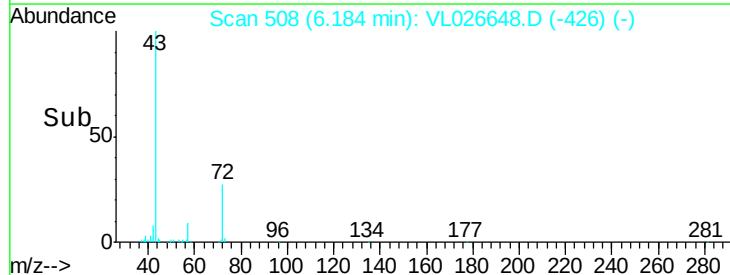
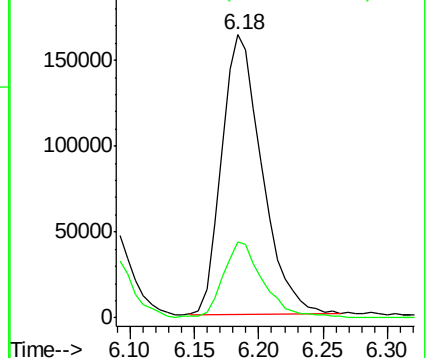
43 100

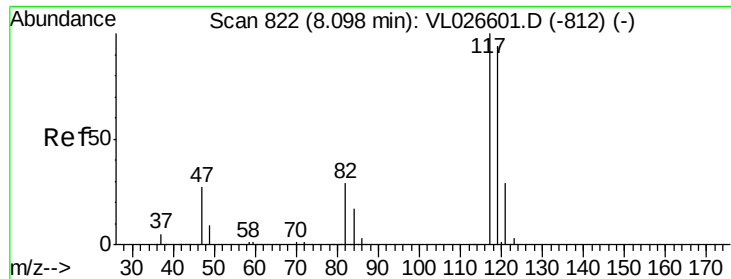
72 27.6 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.94 ppbv

RT: 8.14 min Scan# 829

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

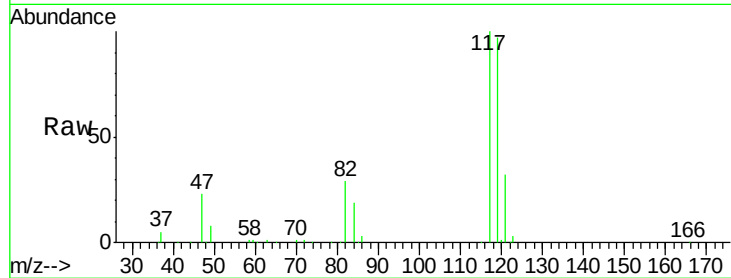
Tot Ion:117 Resp: 486475

Ion Ratio Lower Upper

117 100

119 96.5 74.7 112.1

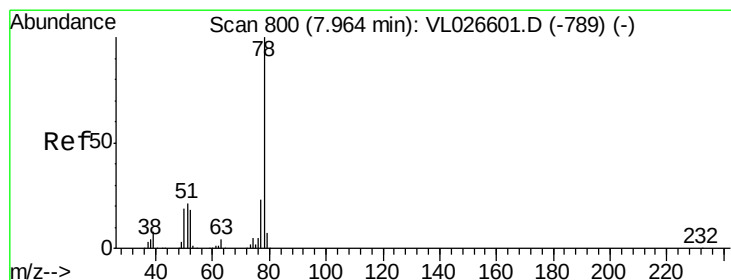
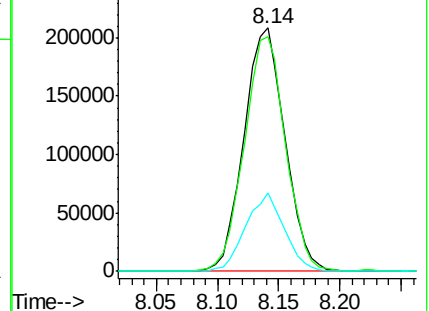
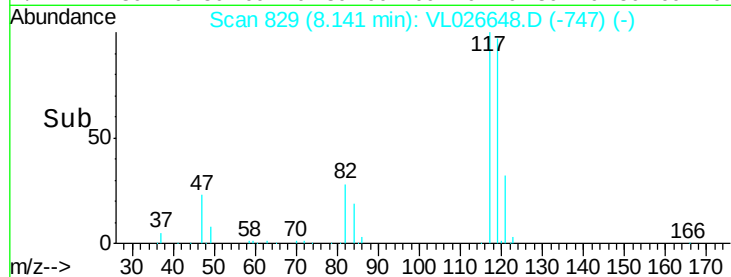
121 32.0 23.1 34.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.25 ppbv

RT: 8.00 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

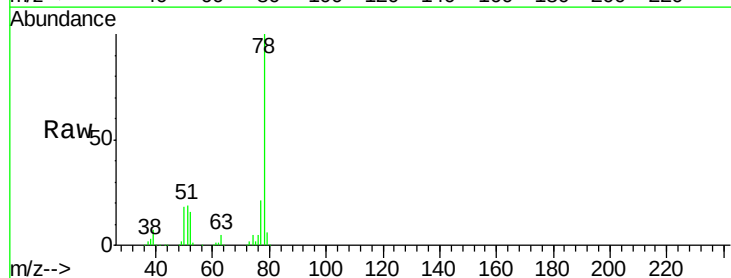
Tgt Ion: 78 Resp: 693778

Ion Ratio Lower Upper

78 100

77 21.4 18.5 27.7

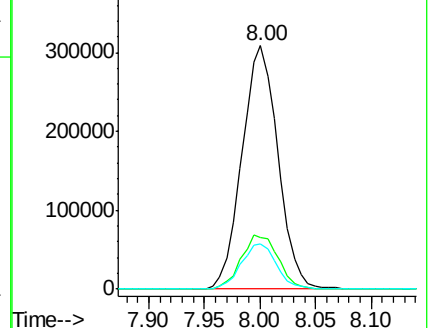
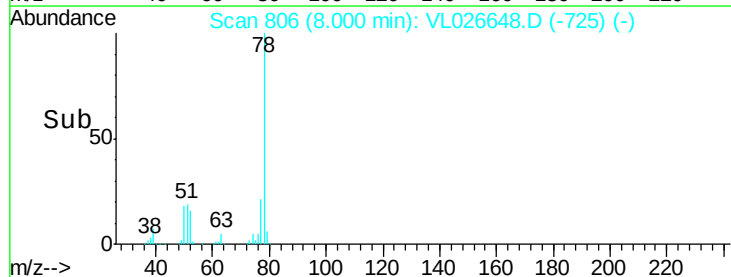
50 18.3 15.4 23.2

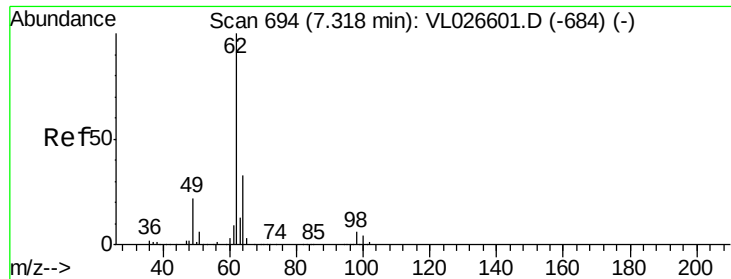


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

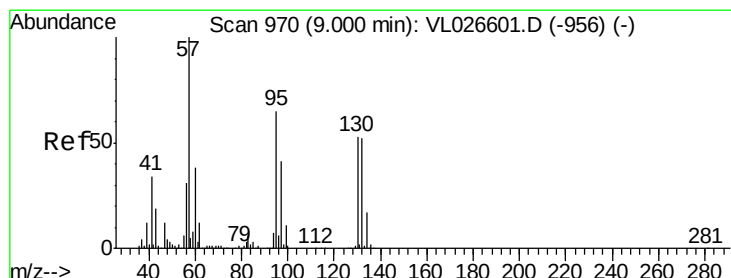
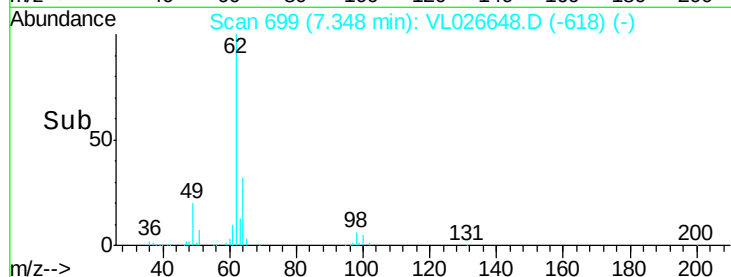
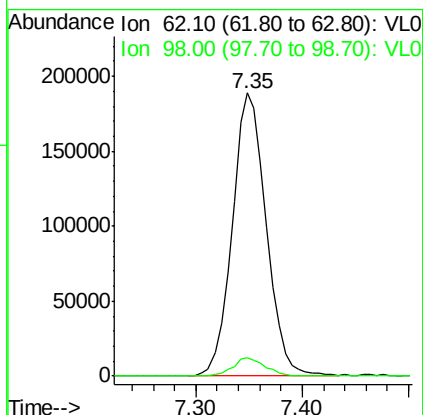
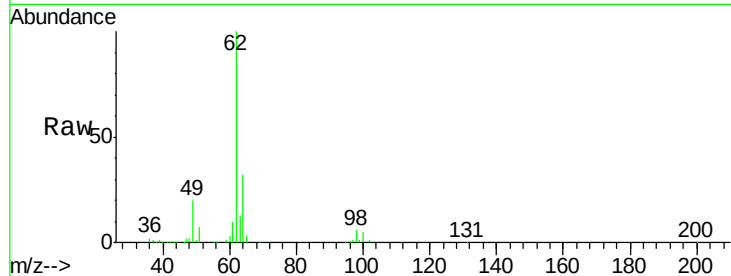




#37
 1,2-Dichloroethane
 Concen: 2.01 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

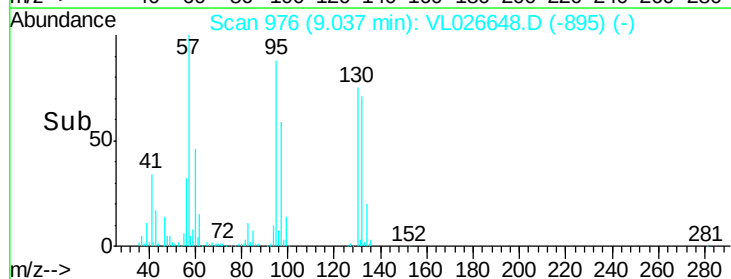
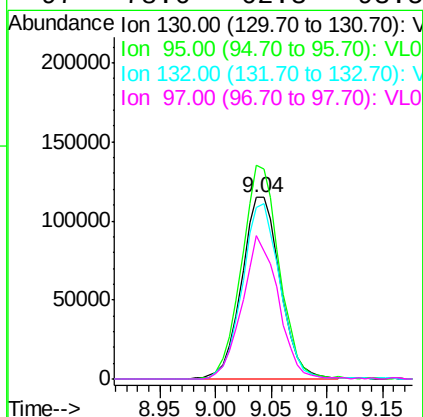
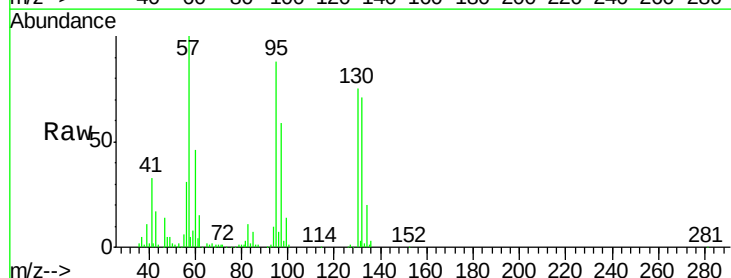
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

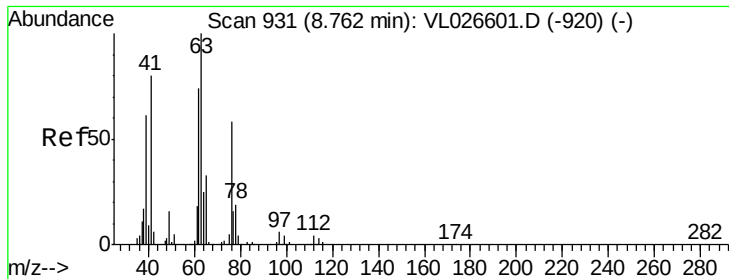
Tot Ion: 62 Resp: 421655
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.8 7.2



#38
 Trichloroethene
 Concen: 2.32 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion: 130 Resp: 276804
 Ion Ratio Lower Upper
 130 100
 95 117.5 96.6 145.0
 132 94.3 76.2 114.4
 97 78.6 62.3 93.5

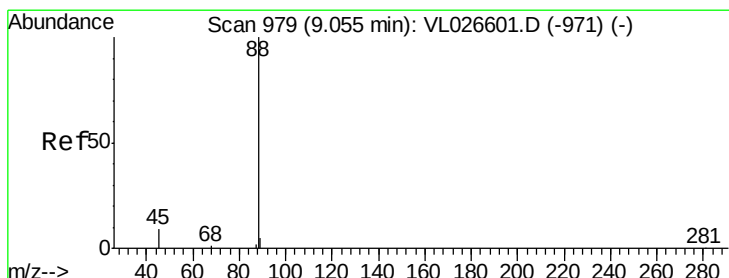
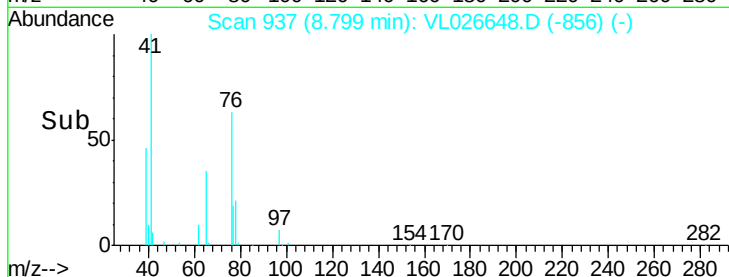
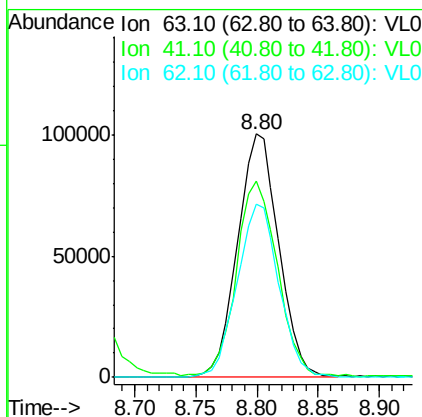
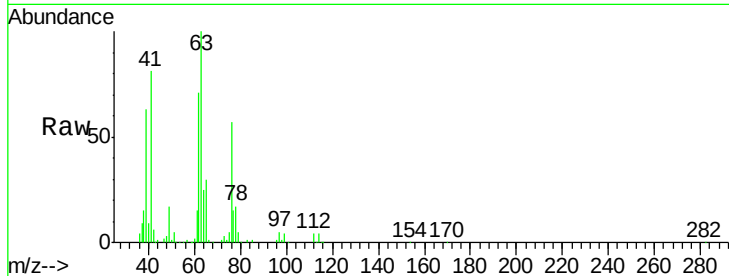




#39
 1,2-Dichloropropane
 Concen: 2.21 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

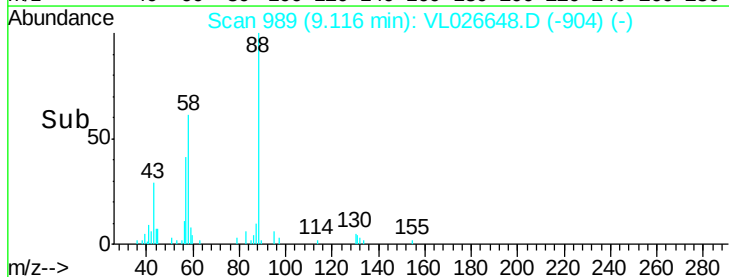
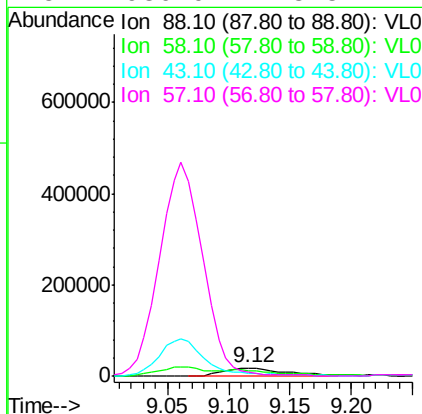
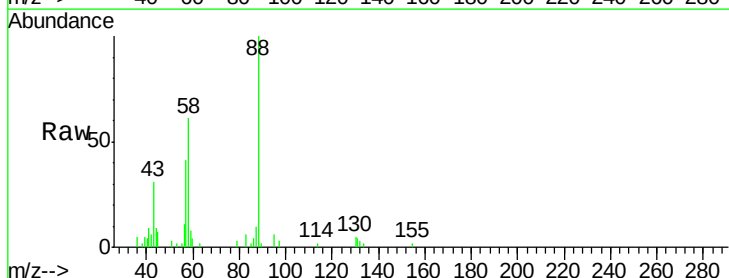
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

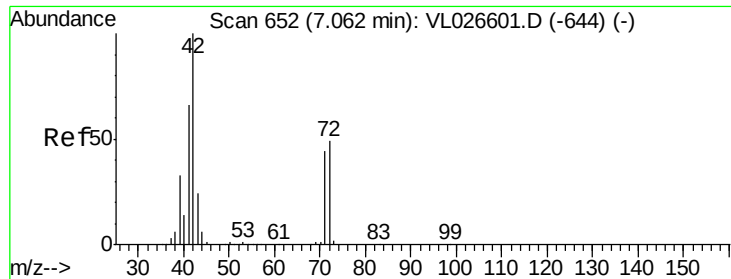
Tot Ion: 63 Resp: 235109
 Ion Ratio Lower Upper
 63 100
 41 79.6 64.1 96.1
 62 71.4 56.6 84.8



#40
 1,4-Dioxane
 Concen: 1.78 ppbv
 RT: 9.12 min Scan# 989
 Delta R.T. 0.02 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion: 88 Resp: 60054
 Ion Ratio Lower Upper
 88 100
 58 164.8 109.4 164.2#
 43 368.1 238.2 357.2#
 57 1930.9 1148.3 1722.5#





#41

Tetrahydrofuran

Concen: 2.23 ppbv

RT: 7.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

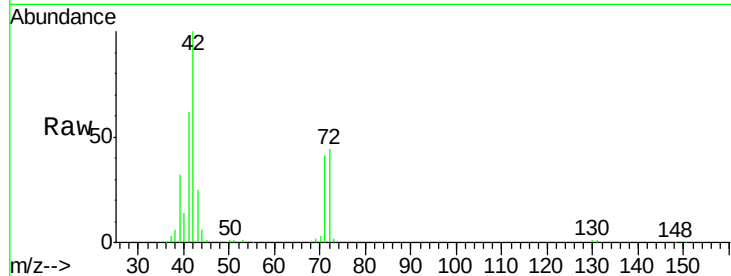
Tot Ion: 42 Resp: 188540

Ion Ratio Lower Upper

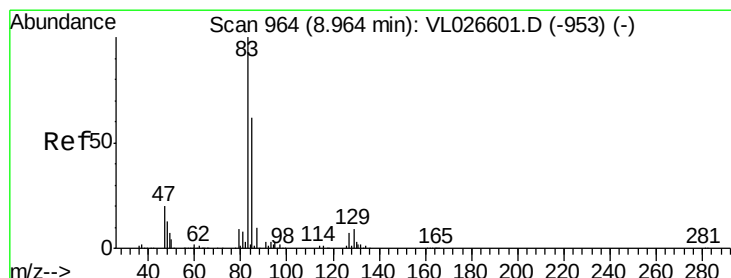
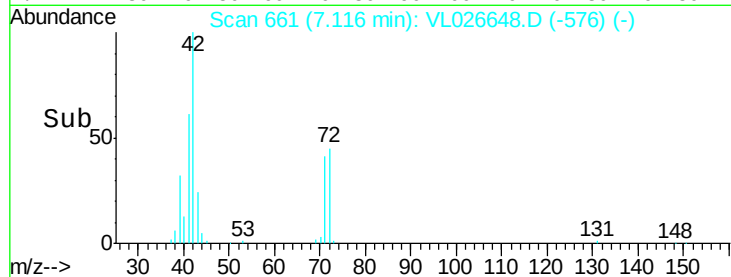
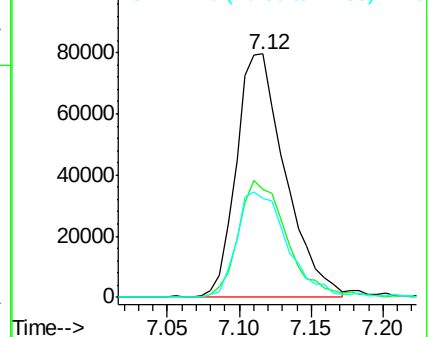
42 100

72 47.9 40.6 60.8

71 45.4 38.4 57.6



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: 2.07 ppbv

RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

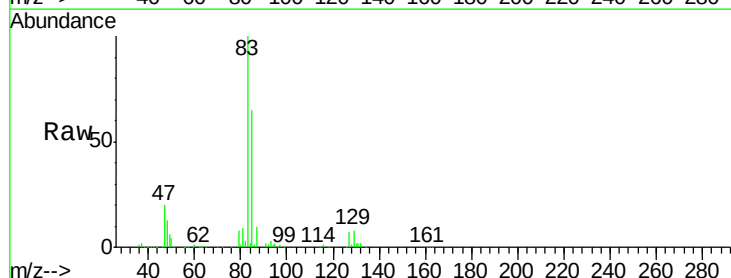
Tgt Ion: 83 Resp: 564530

Ion Ratio Lower Upper

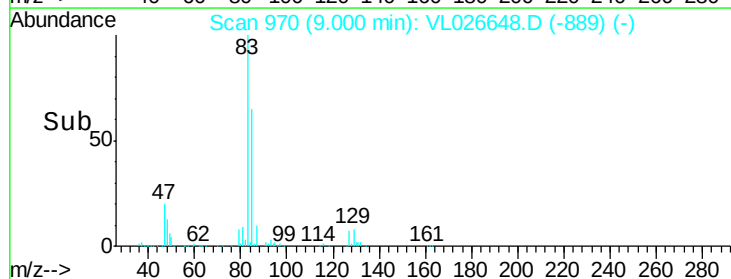
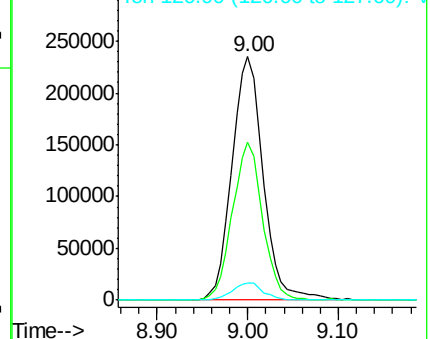
83 100

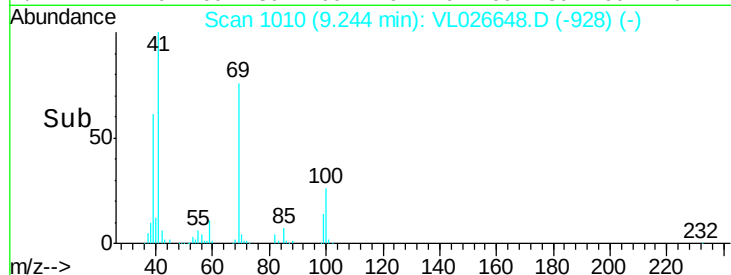
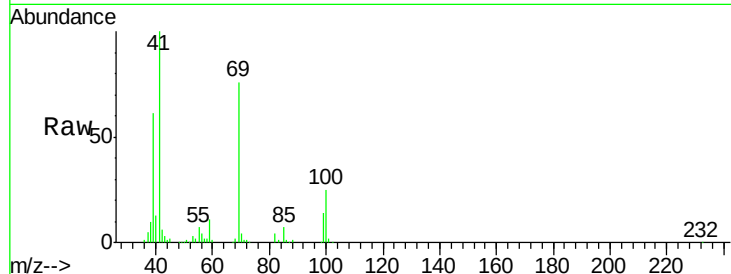
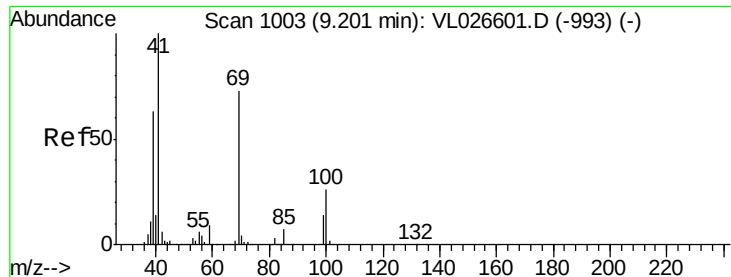
85 64.9 50.9 76.3

127 7.1 5.5 8.3



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: 2.05 ppbv

RT: 9.24 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

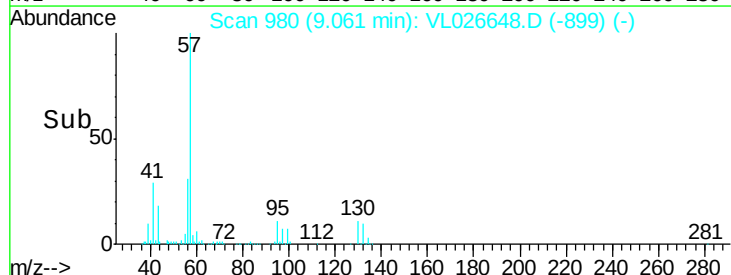
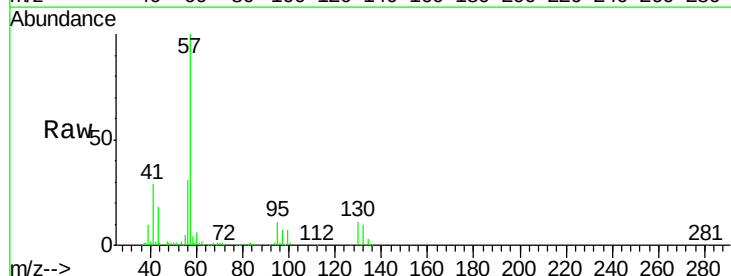
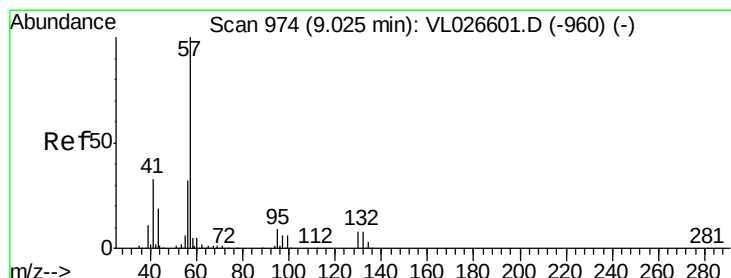
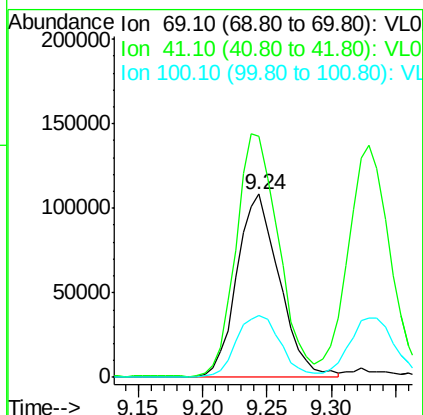
Tot Ion: 69 Resp: 248534

Ion Ratio Lower Upper

69 100

41 132.9 106.1 159.1

100 35.1 29.0 43.4



#44

2,2,4-Trimethylpentane

Concen: 2.38 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

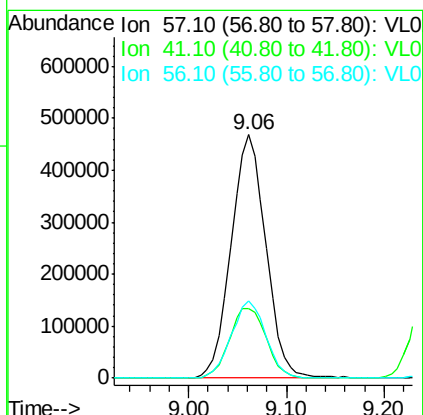
Tgt Ion: 57 Resp: 1149760

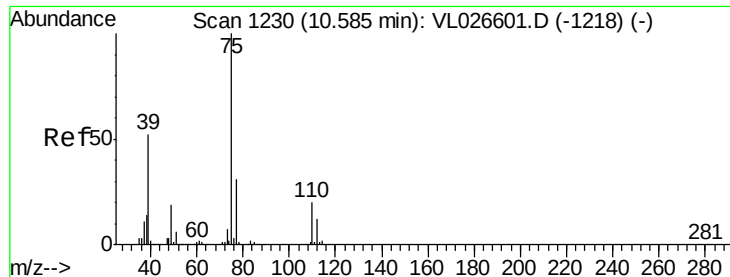
Ion Ratio Lower Upper

57 100

41 30.3 26.9 40.3

56 31.9 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 1.87 ppbv

RT: 10.62 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

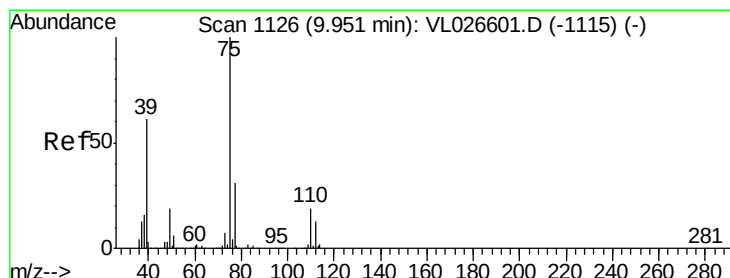
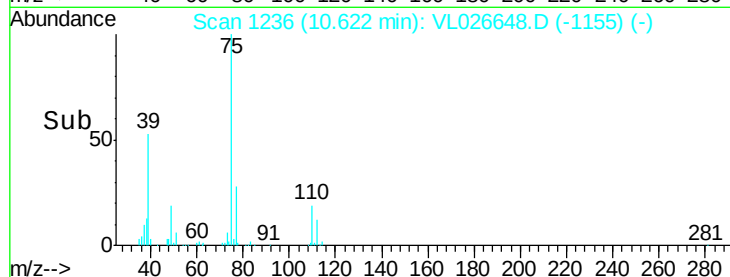
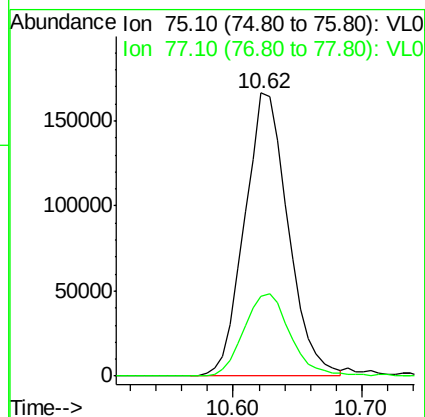
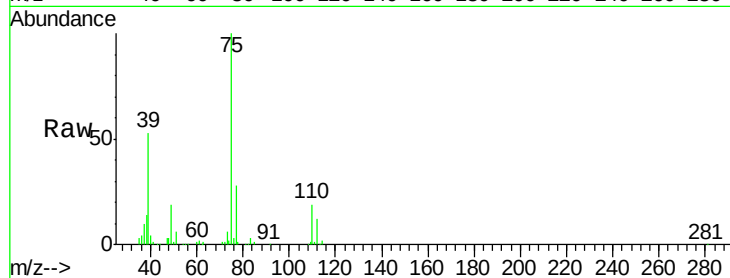
VSTDIC002

Tot Ion: 75 Resp: 389773

Ion Ratio Lower Upper

75 100

77 28.4 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 1.99 ppbv

RT: 9.99 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

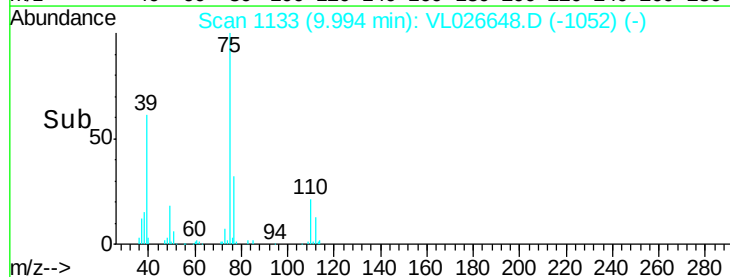
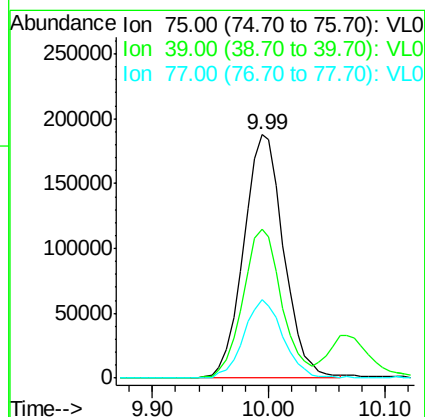
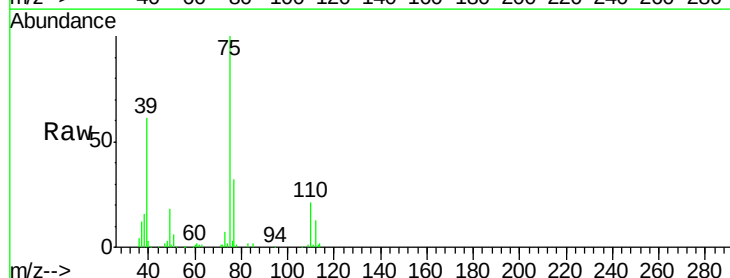
Tgt Ion: 75 Resp: 448988

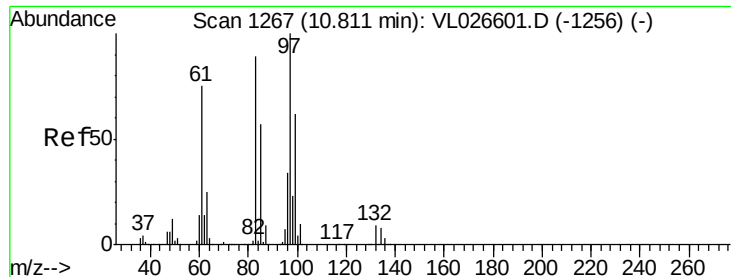
Ion Ratio Lower Upper

75 100

39 61.1 51.2 76.8

77 32.2 25.9 38.9



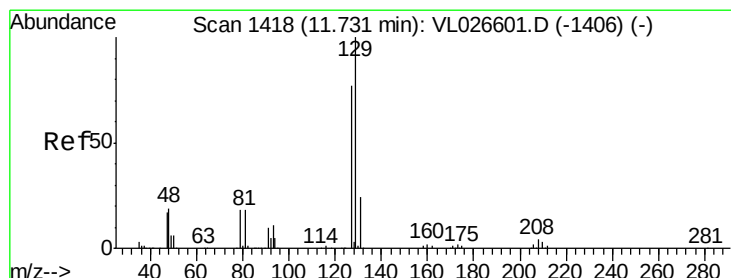
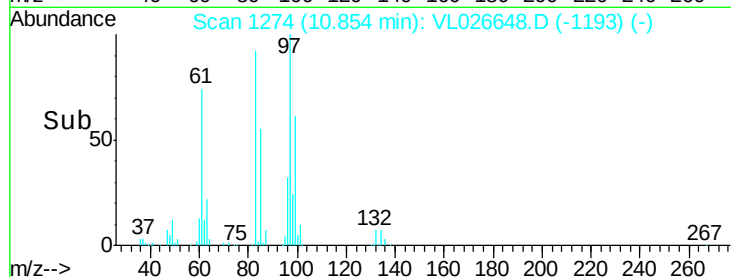
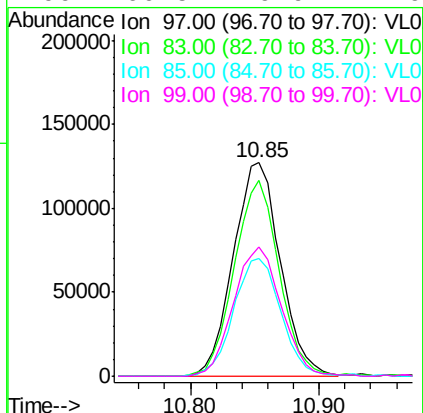
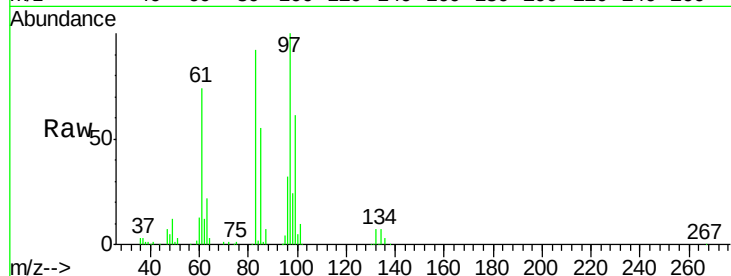


#47
 1,1,2-Trichloroethane
 Concen: 2.17 ppbv
 RT: 10.85 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 97 Resp: 321890

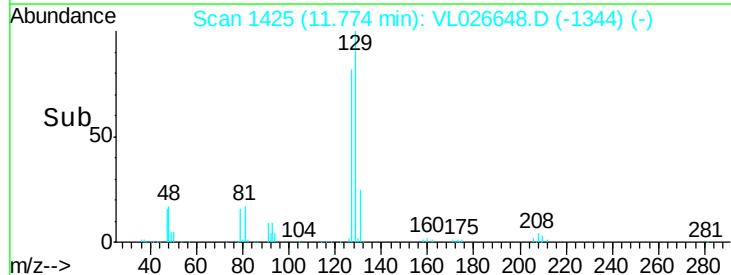
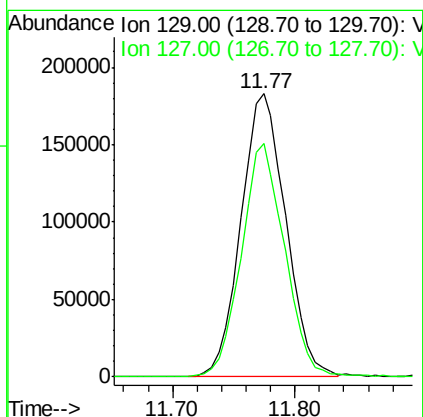
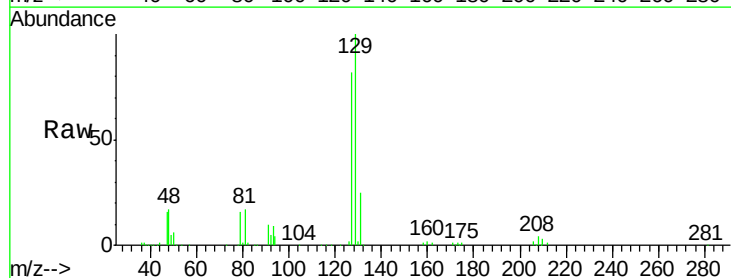
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.5	104.3
85	54.7	46.4	69.6
99	60.5	49.9	74.9

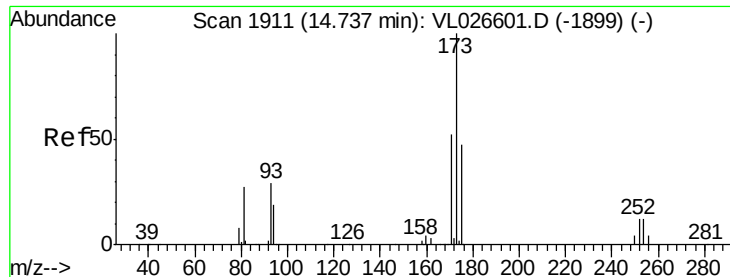


#48
 Dibromochloromethane
 Concen: 1.98 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion: 129 Resp: 465322

Ion	Ratio	Lower	Upper
129	100		
127	79.8	39.5	118.5





#49

Bromoform

Concen: 1.97 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

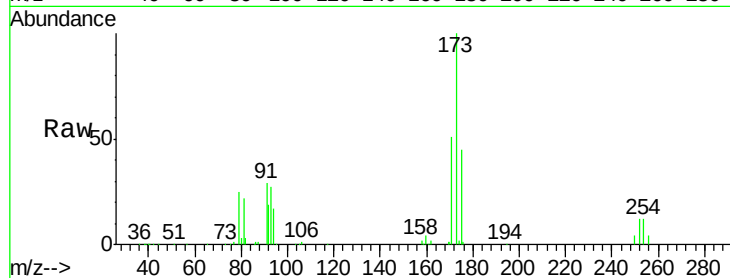
Tot Ion:173 Resp: 386092

Ion Ratio Lower Upper

173 100

175 47.6 38.6 57.8

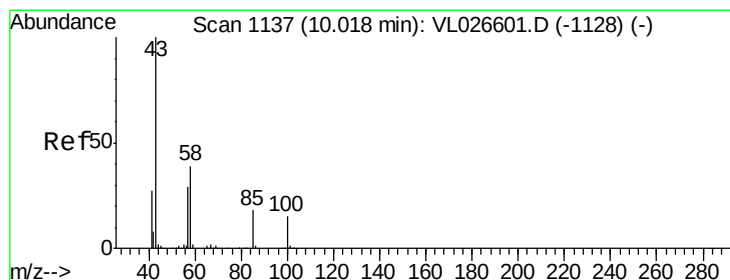
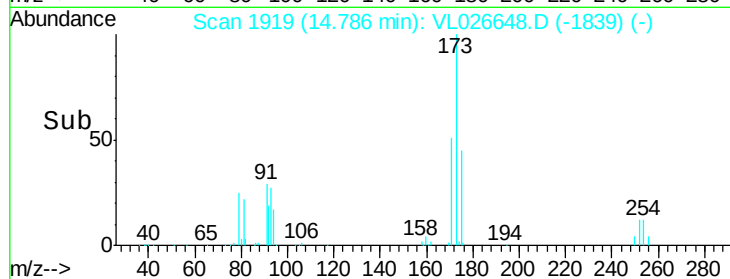
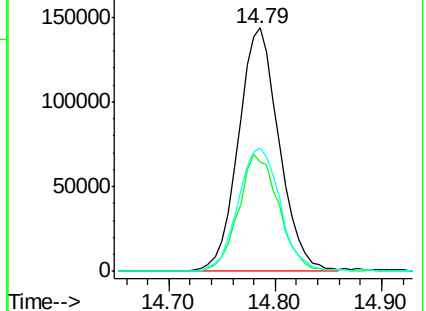
171 52.7 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 2.15 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026648.D

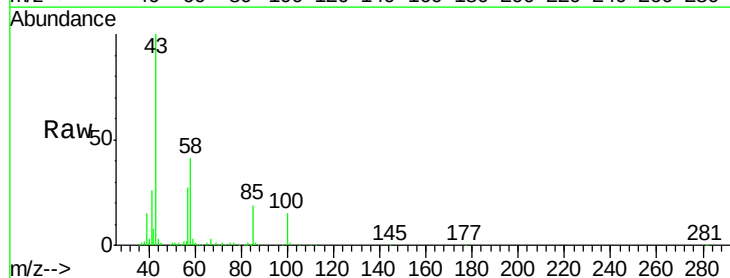
Acq: 8 Jan 2016 16:06

Tgt Ion: 43 Resp: 507275

Ion Ratio Lower Upper

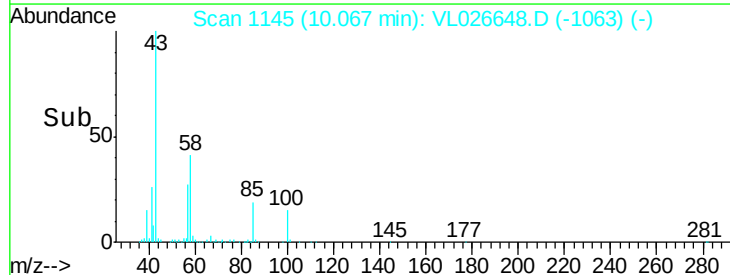
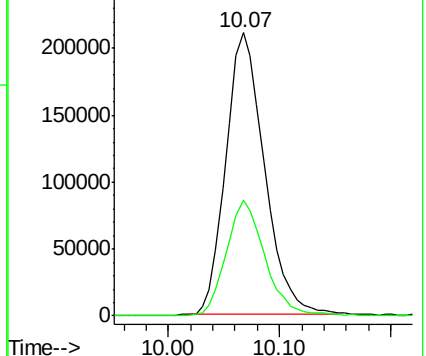
43 100

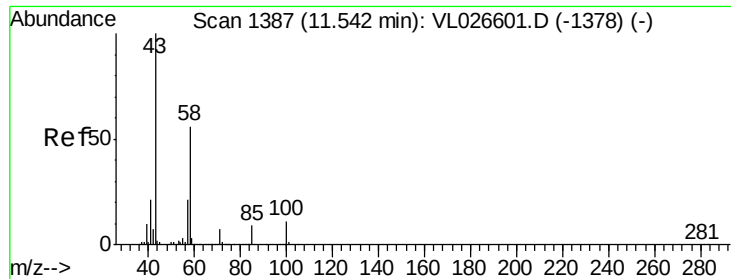
58 41.2 32.4 48.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

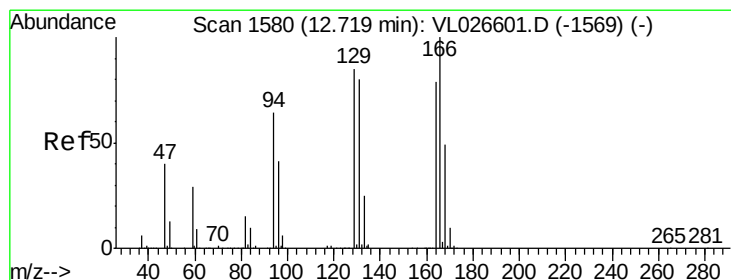
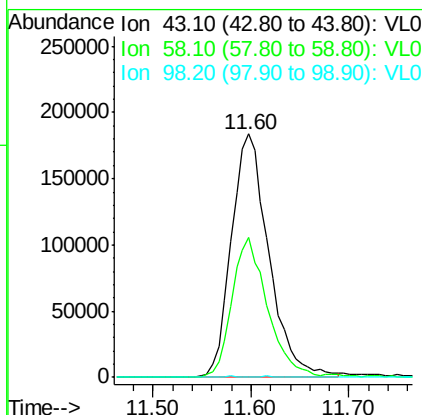
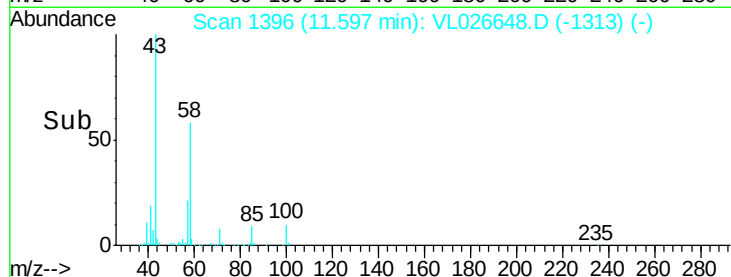
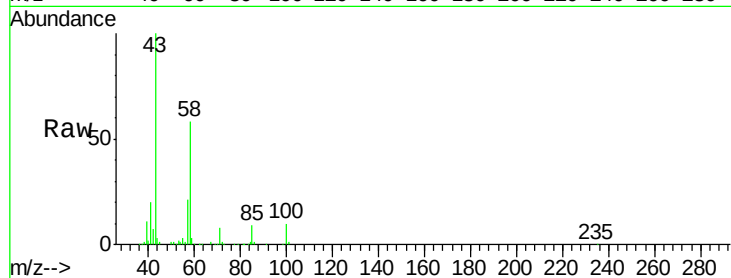




#51
2-Hexanone
Concen: 2.12 ppbv
RT: 11.60 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

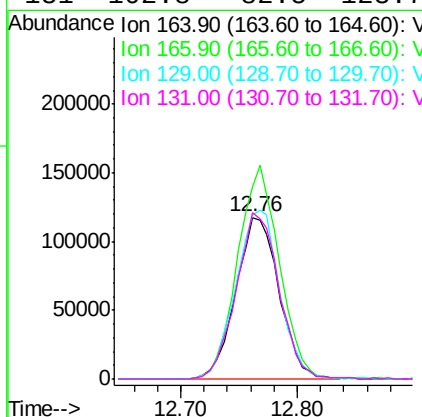
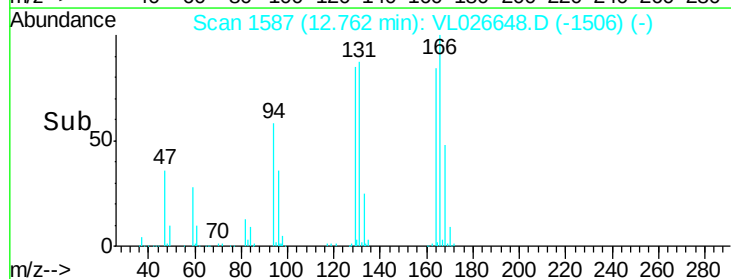
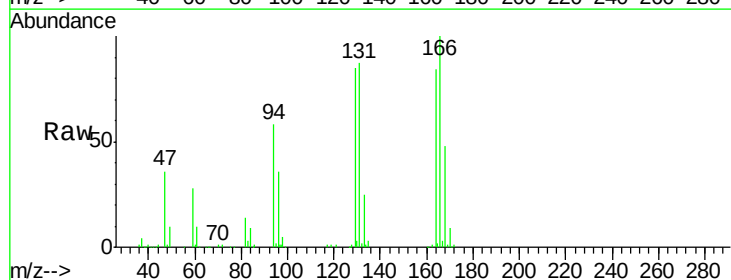
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

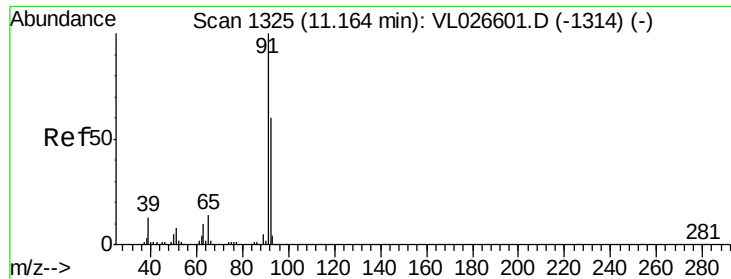
Tot Ion: 43 Resp: 488981
Ion Ratio Lower Upper
43 100
58 55.9 44.9 67.3
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 2.25 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 164 Resp: 302388
Ion Ratio Lower Upper
164 100
166 119.2 102.5 153.7
129 101.4 87.0 130.6
131 102.8 82.5 123.7





#53

Toluene

Concen: 2.19 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

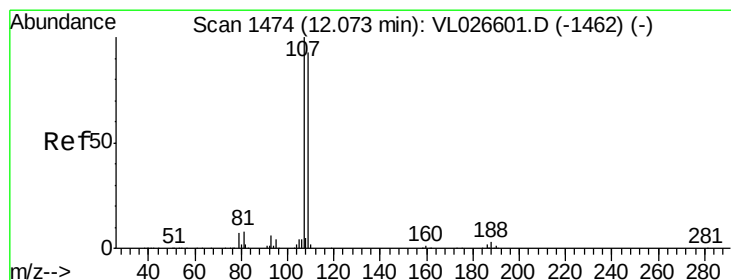
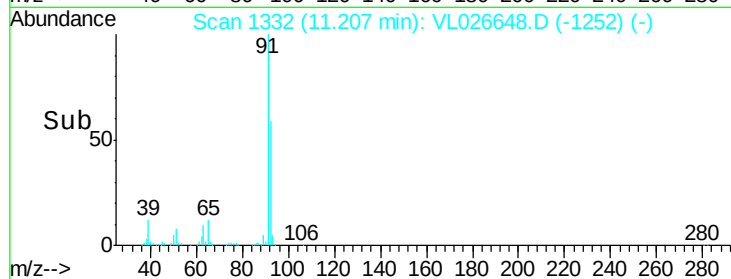
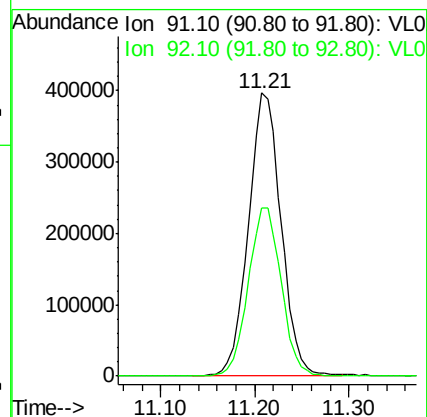
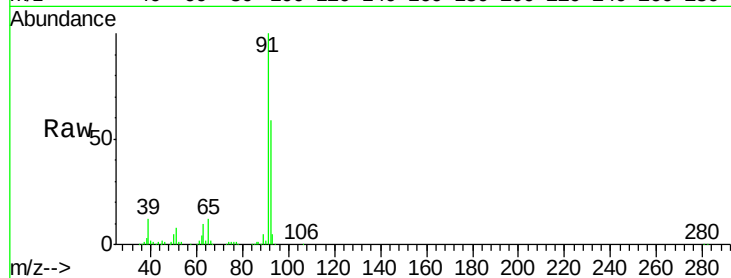
VSTDIC002

Tot Ion: 91 Resp: 961868

Ion Ratio Lower Upper

91 100

92 60.2 48.2 72.4



#54

1,2-Dibromoethane

Concen: 2.15 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026648.D

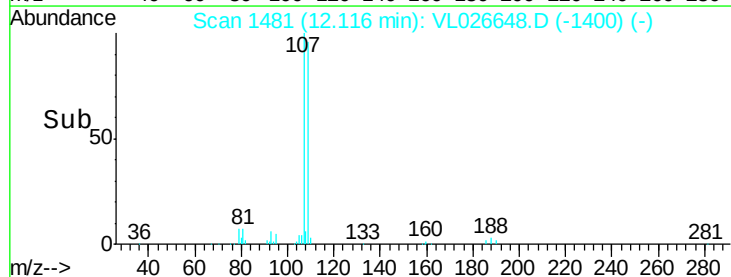
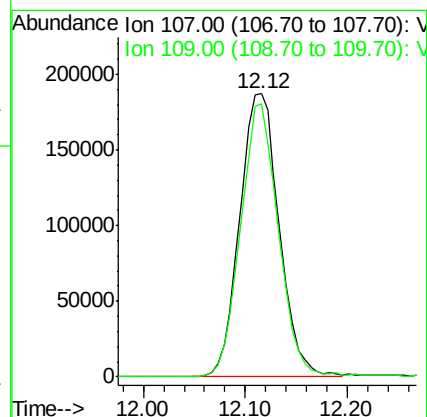
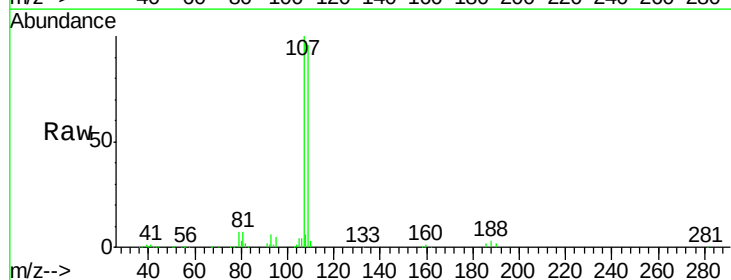
Acq: 8 Jan 2016 16:06

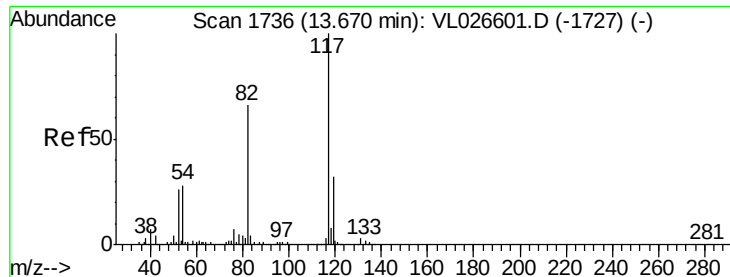
Tgt Ion: 107 Resp: 502512

Ion Ratio Lower Upper

107 100

109 96.3 74.1 111.1

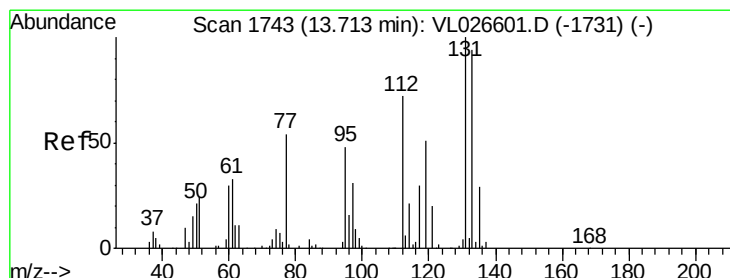
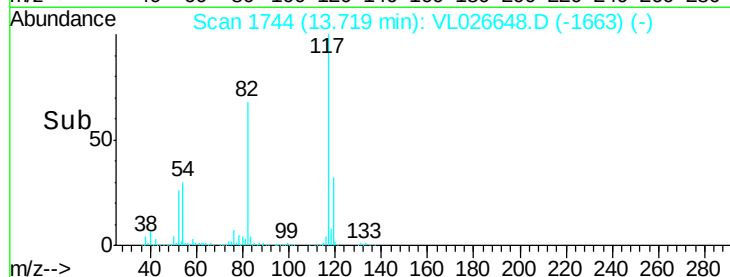
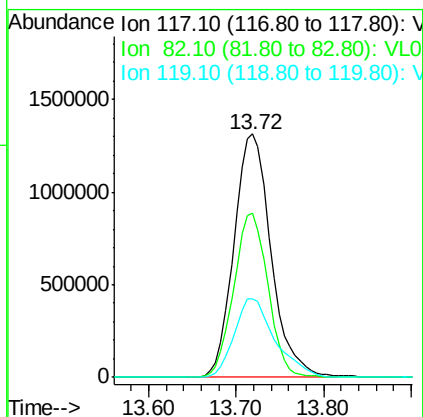
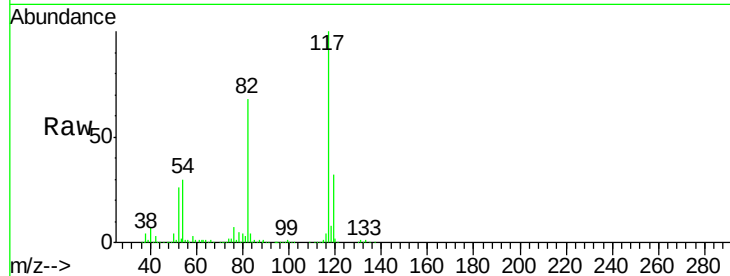




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

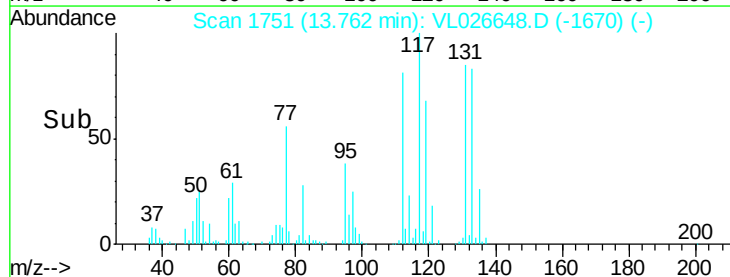
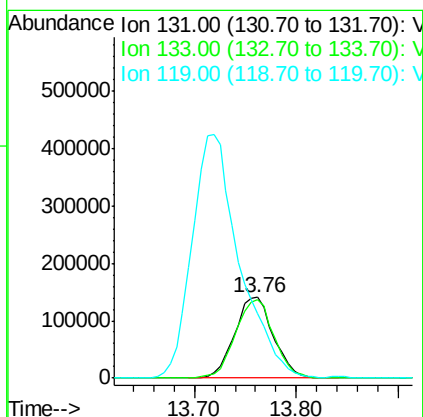
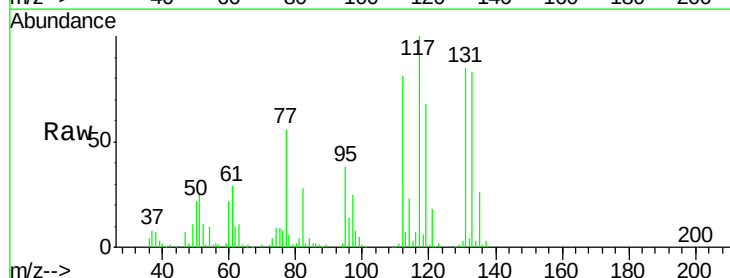
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

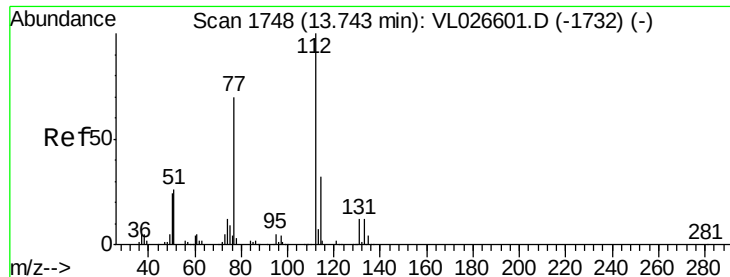
Tot Ion:117 Resp: 3874073
Ion Ratio Lower Upper
117 100
82 62.9 52.4 78.6
119 35.8 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.17 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion:131 Resp: 370485
Ion Ratio Lower Upper
131 100
133 97.3 76.2 114.4
119 374.6 104.3 156.5#

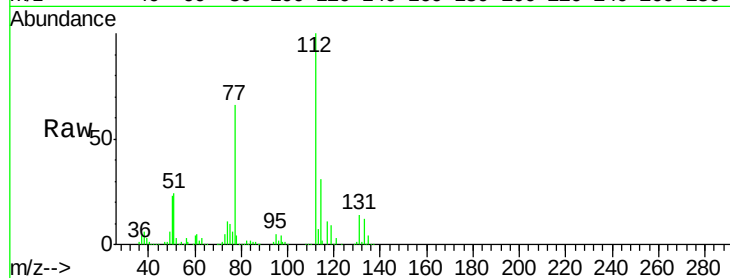




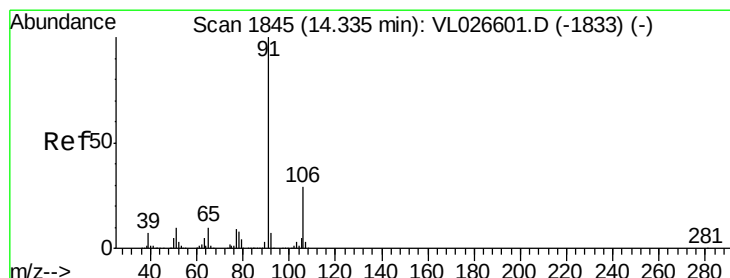
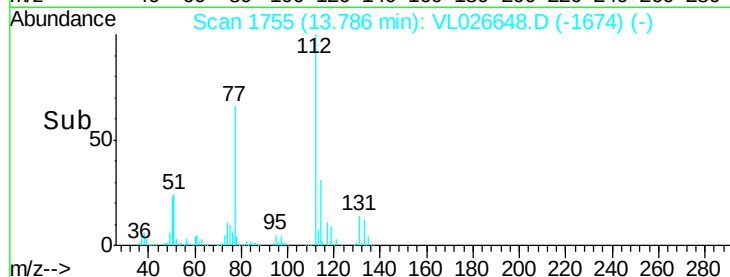
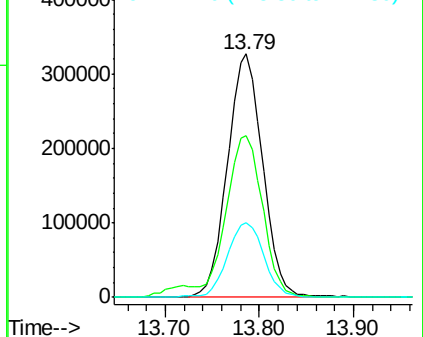
#57
Chlorobenzene
Concen: 2.33 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 112 Resp: 841622
Ion Ratio Lower Upper
112 100
77 66.3 56.9 85.3
114 30.8 28.8 35.2

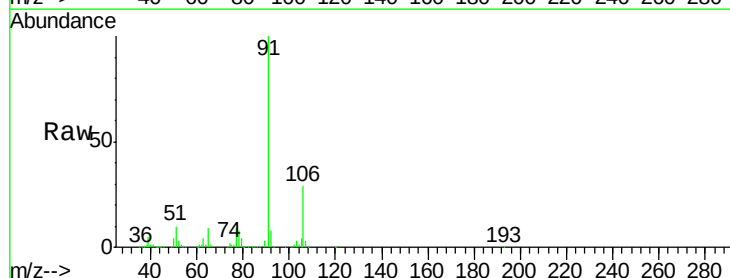


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

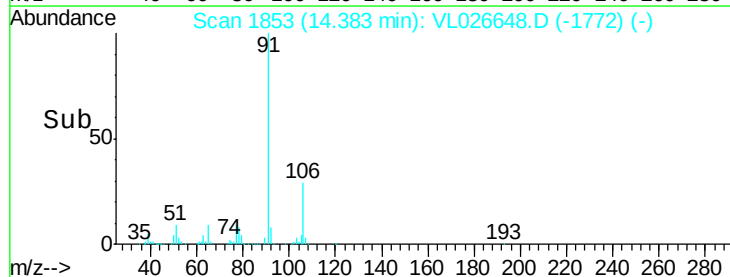
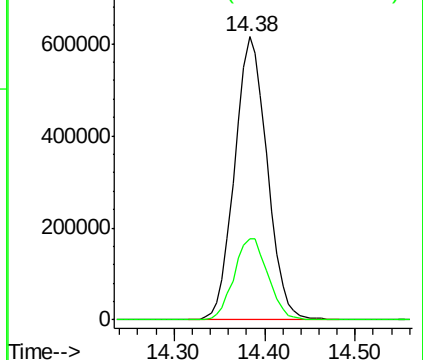


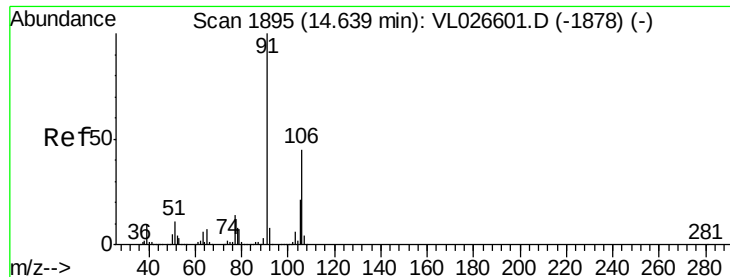
#58
Ethyl Benzene
Concen: 2.21 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 91 Resp: 1530788
Ion Ratio Lower Upper
91 100
106 28.6 23.8 35.6



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

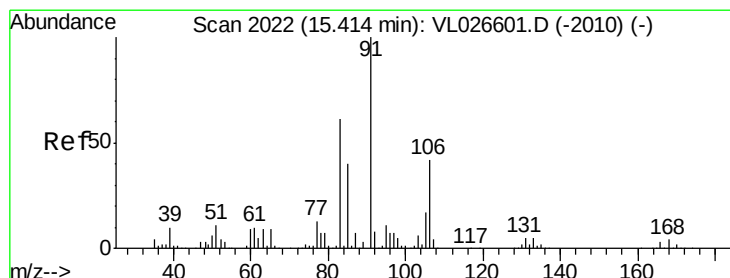
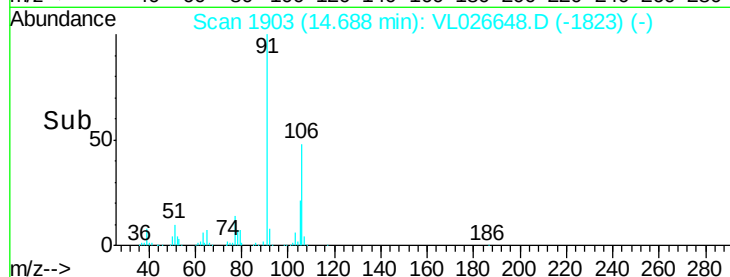
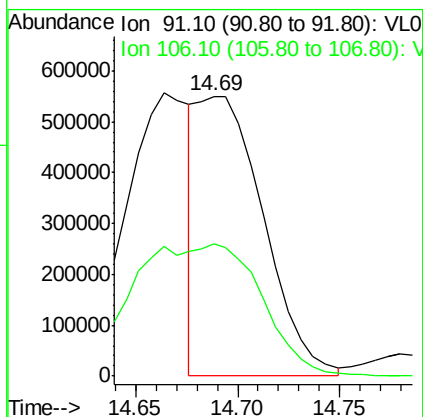
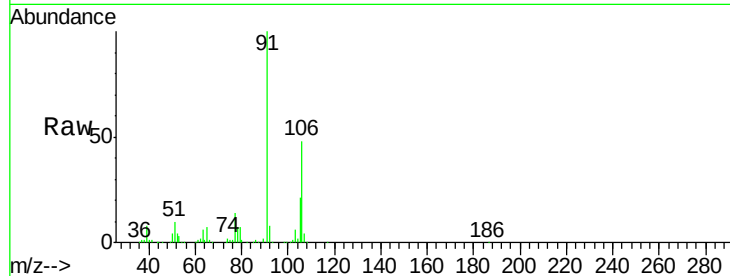




#59
m/p-Xylene
Concen: 2.28 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

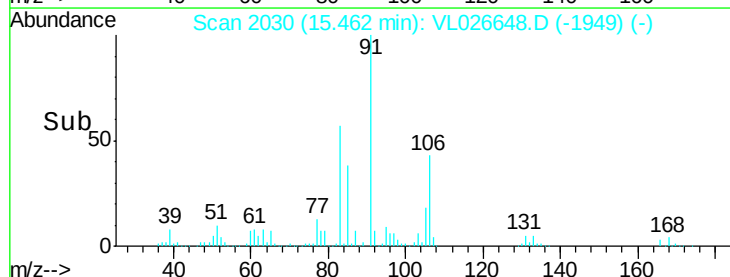
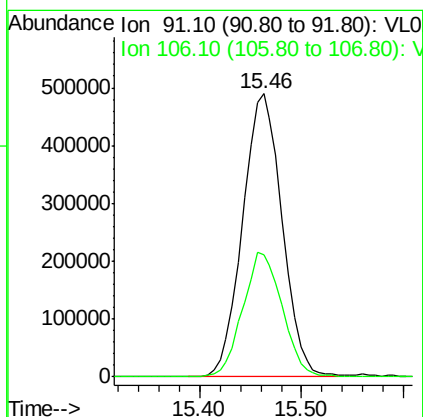
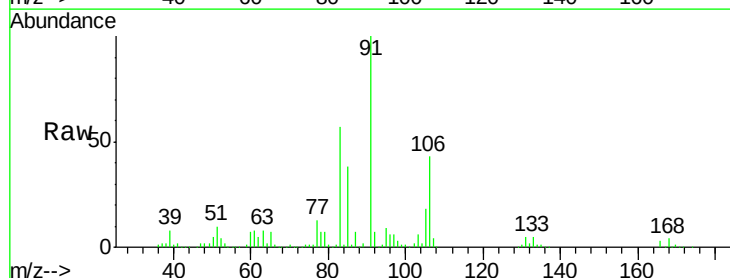
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

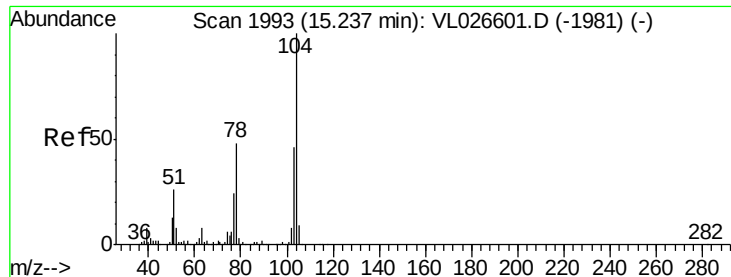
Tot Ion: 91 Resp: 1220080
Ion Ratio Lower Upper
91 100
106 94.7 36.6 55.0#



#60
o-Xylene
Concen: 2.38 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026648.D
Acq: 8 Jan 2016 16:06

Tgt Ion: 91 Resp: 1319169
Ion Ratio Lower Upper
91 100
106 44.0 21.4 64.3





#61

Stvrene

Concen: 2.03 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

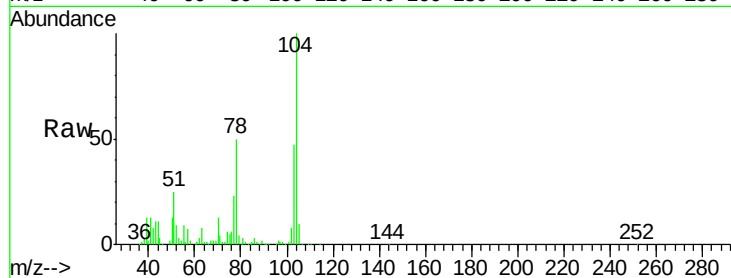
Tot Ion:104 Resp: 537590

Ion Ratio Lower Upper

104 100

78 48.5 39.5 59.3

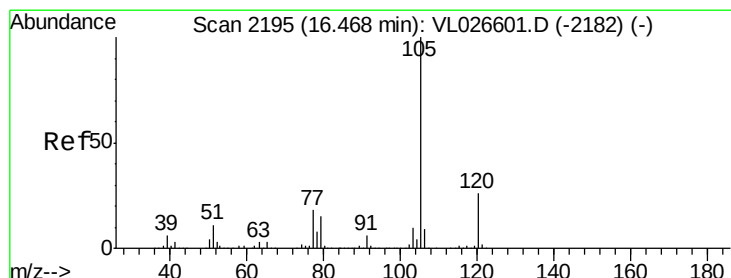
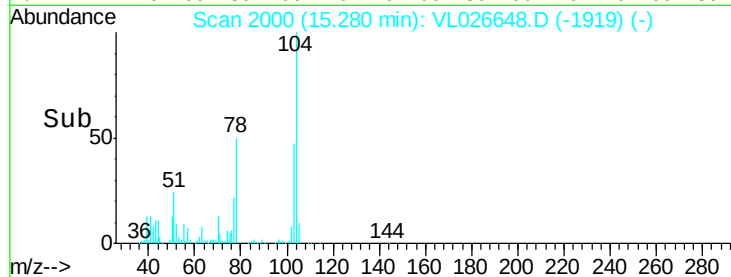
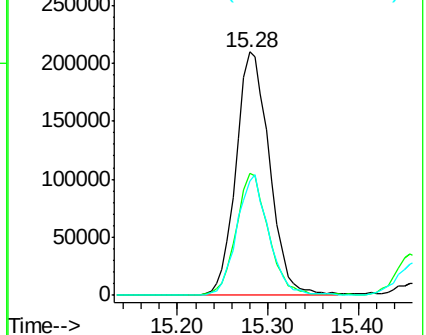
103 46.9 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.26 ppbv

RT: 16.52 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL026648.D

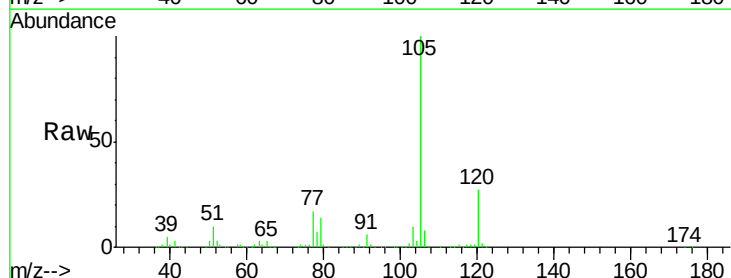
Acq: 8 Jan 2016 16:06

Tgt Ion:105 Resp: 1746676

Ion Ratio Lower Upper

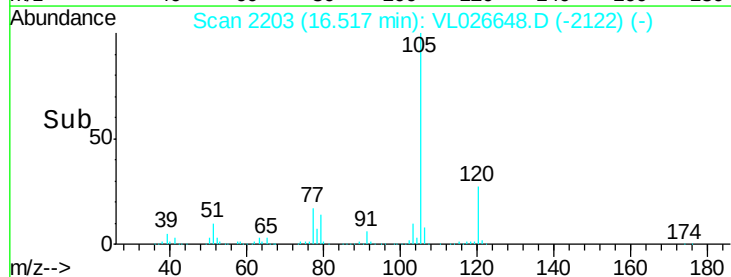
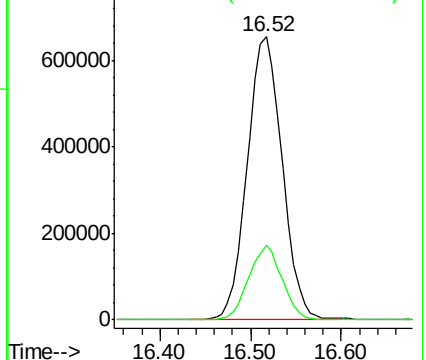
105 100

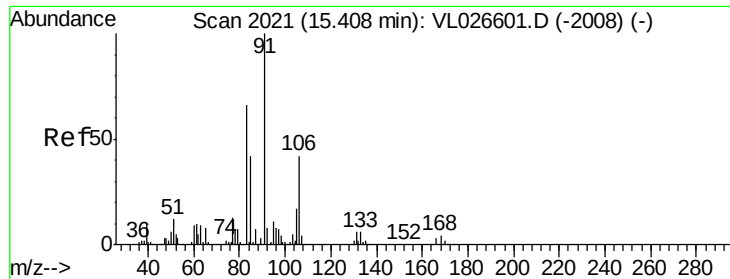
120 25.6 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

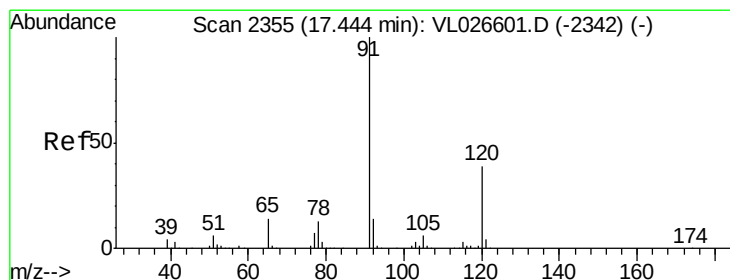
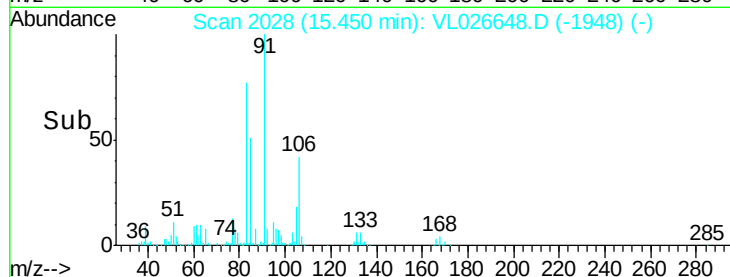
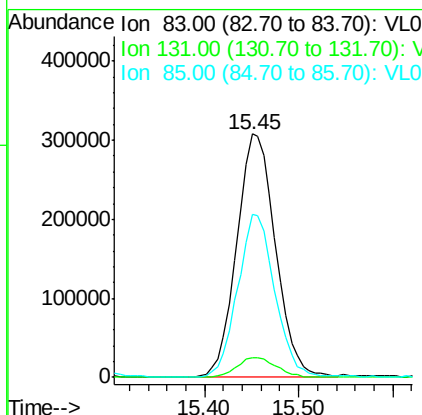
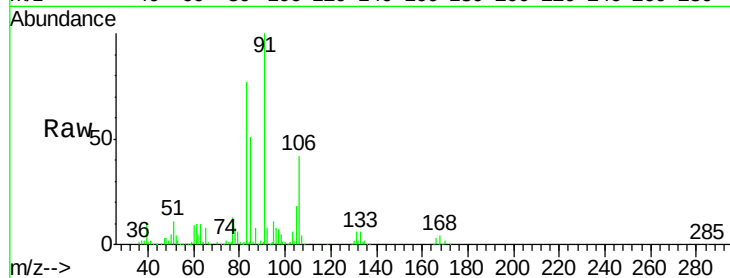




#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.49 ppbv
 RT: 15.45 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

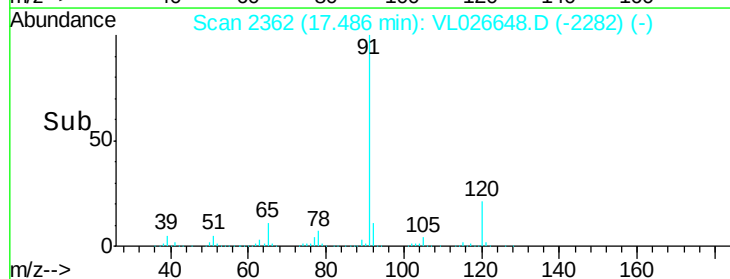
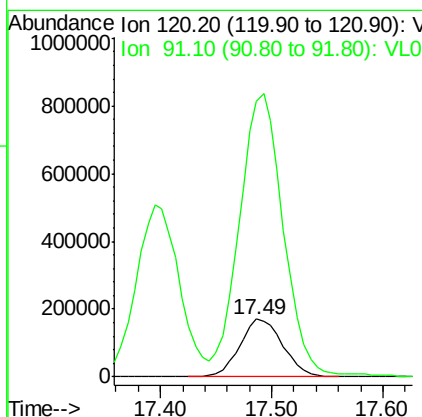
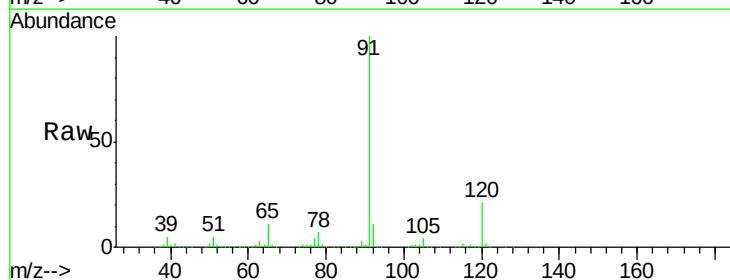
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

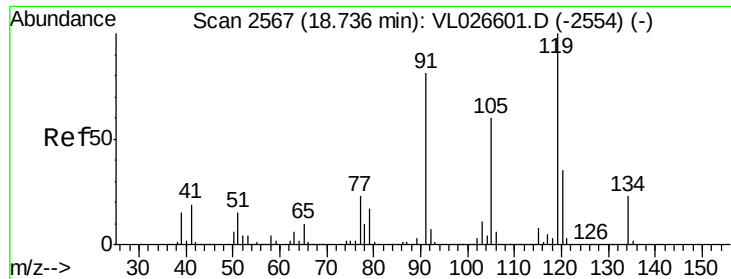
Tot Ion: 83 Resp: 885326
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.5 13.4
 85 65.3 32.6 97.7



#64
 n-propylbenzene
 Concen: 2.23 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion:120 Resp: 457696
 Ion Ratio Lower Upper
 120 100
 91 496.0 380.9 571.3

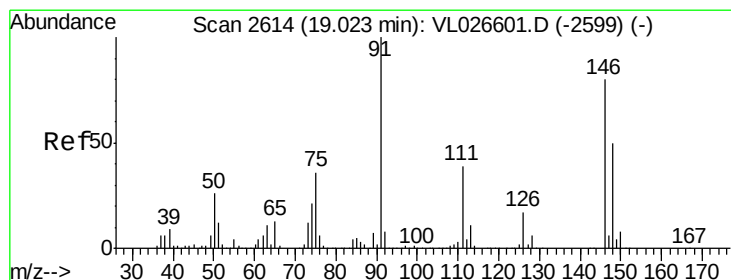
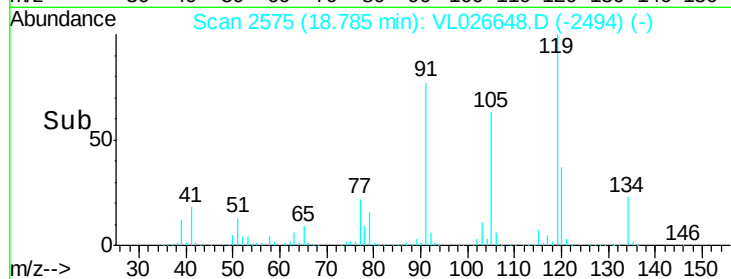
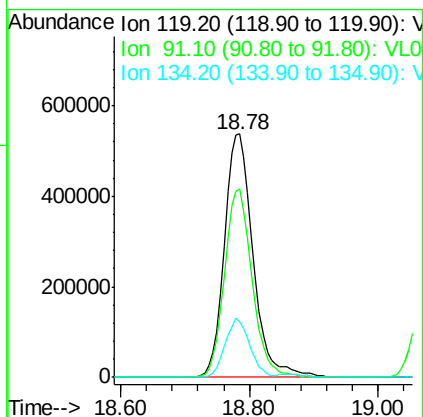
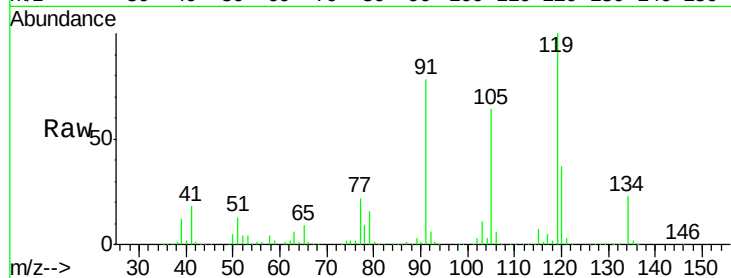




#65
 tert-Butylbenzene
 Concen: 2.61 ppbv
 RT: 18.78 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

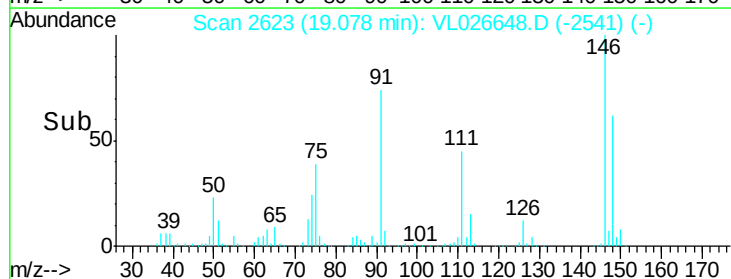
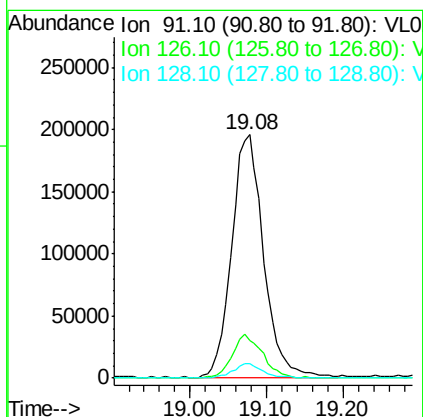
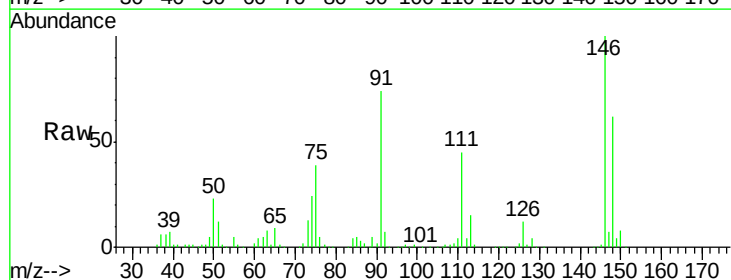
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

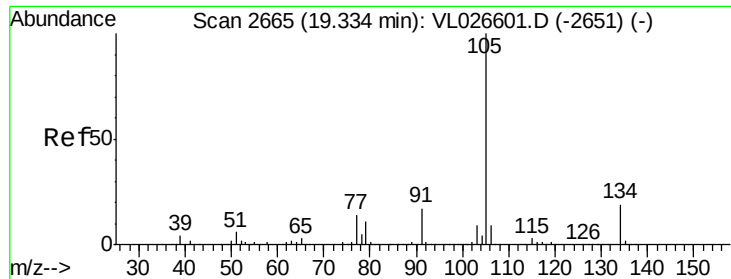
Tot Ion:119 Resp: 1683558
 Ion Ratio Lower Upper
 119 100
 91 74.6 64.8 97.2
 134 22.1 17.4 26.0



#66
 Benzyl Chloride
 Concen: 1.89 ppbv
 RT: 19.08 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion: 91 Resp: 565884
 Ion Ratio Lower Upper
 91 100
 126 17.3 14.2 21.2
 128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 2.37 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

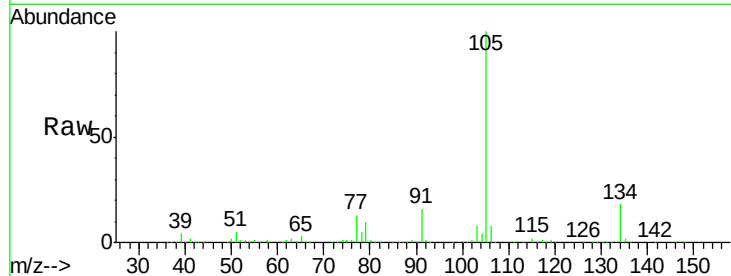
VSTDIC002

Tot Ion:105 Resp: 2373471

Ion Ratio Lower Upper

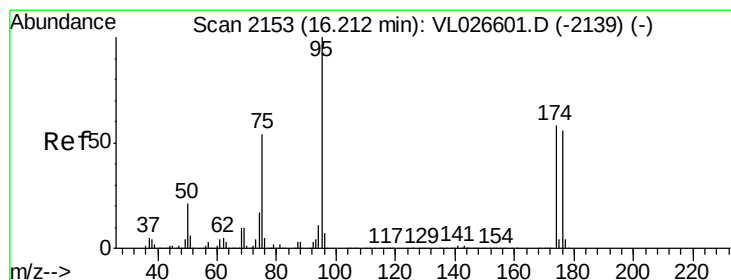
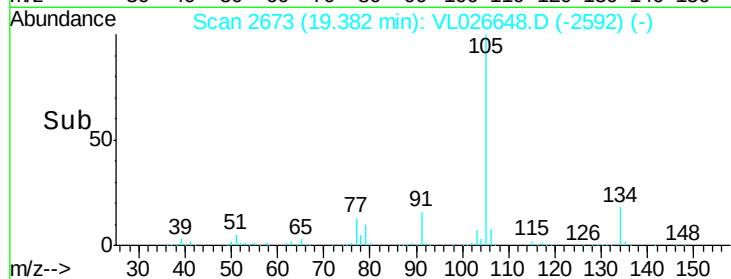
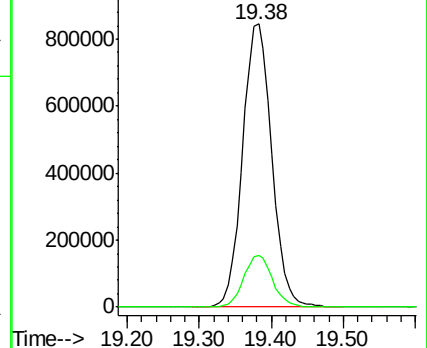
105 100

134 18.2 14.9 22.3



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: 9.40 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

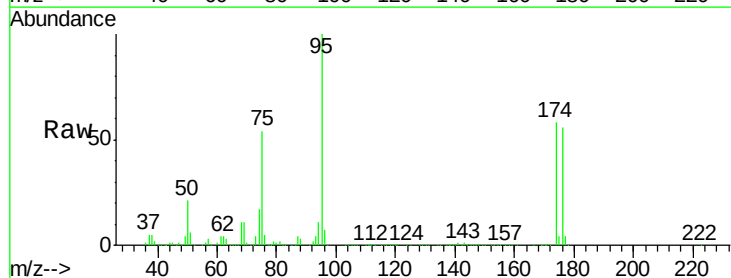
Tgt Ion: 95 Resp: 2936000

Ion Ratio Lower Upper

95 100

174 59.2 47.8 71.6

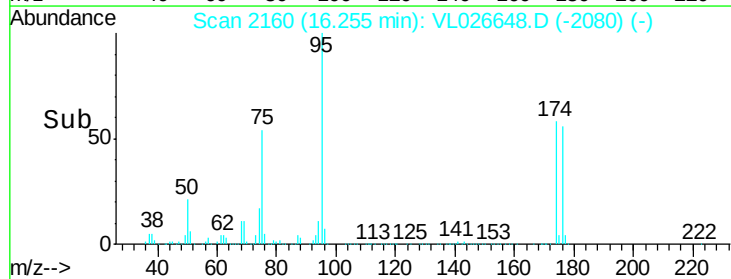
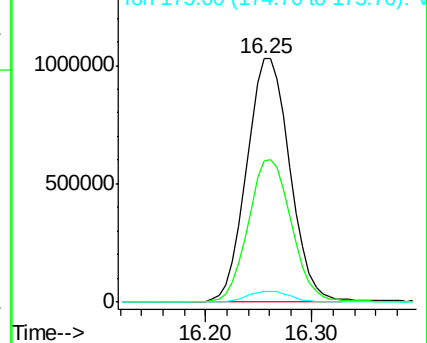
175 4.5 3.5 5.3

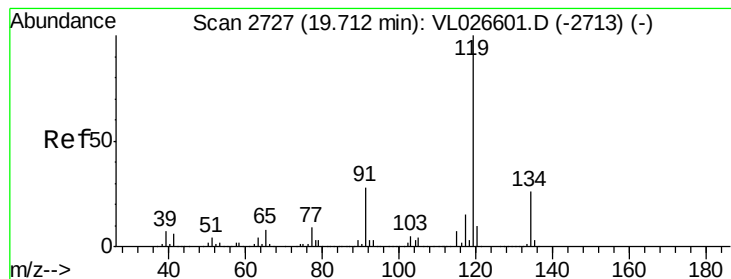


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 2.34 ppbv

RT: 19.76 min Scan# 2735

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

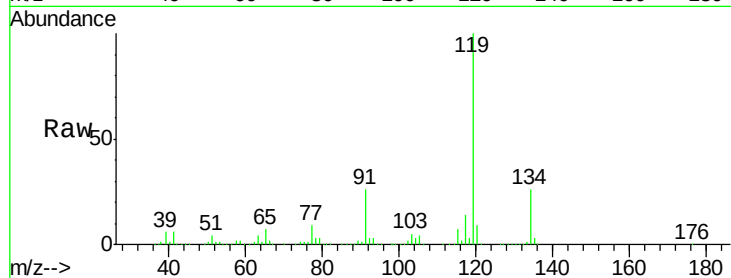
Tot Ion:119 Resp: 1841423

Ion Ratio Lower Upper

119 100

134 25.8 20.6 31.0

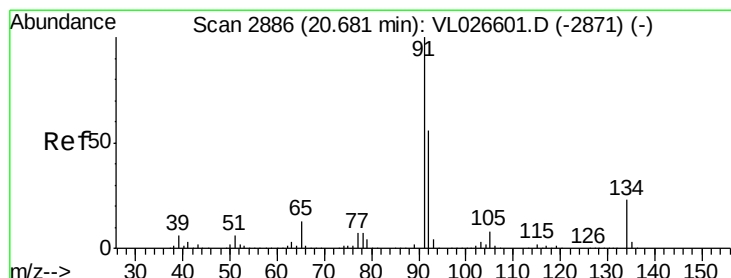
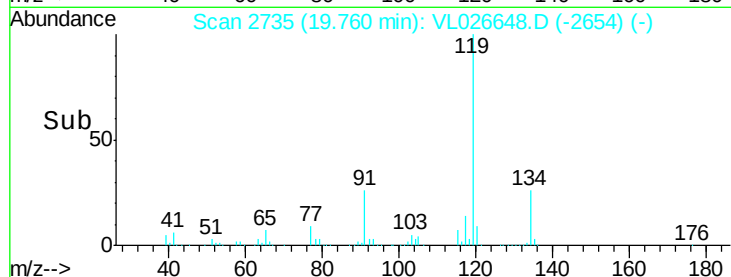
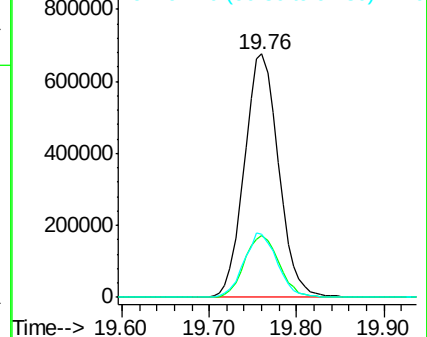
91 25.8 21.8 32.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 2.34 ppbv

RT: 20.73 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

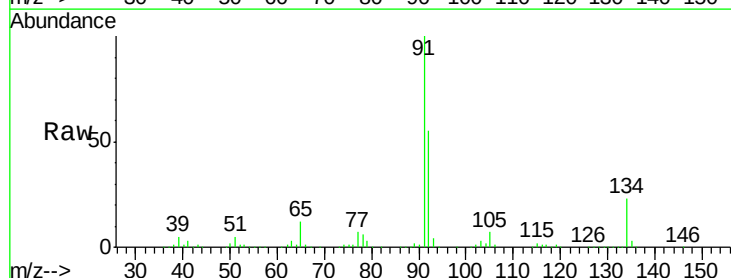
Tgt Ion: 91 Resp: 1943007

Ion Ratio Lower Upper

91 100

92 54.7 45.0 67.6

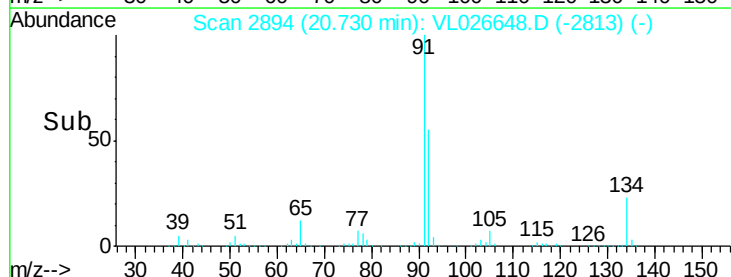
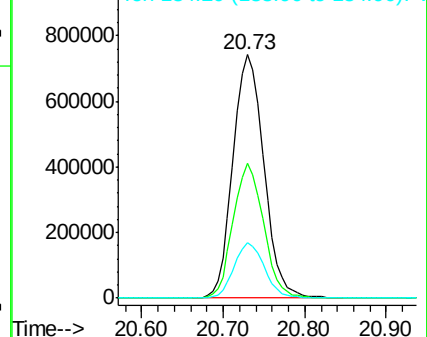
134 22.5 18.2 27.2

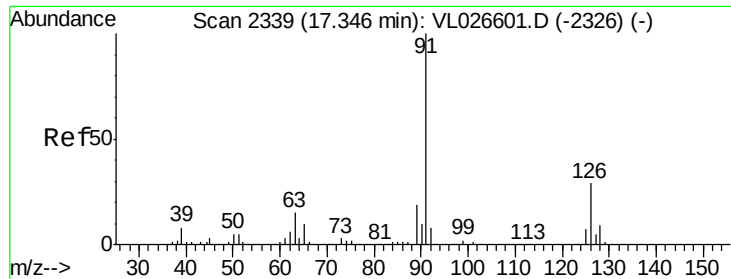


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.19 ppbv

RT: 17.39 min Scan# 2347

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

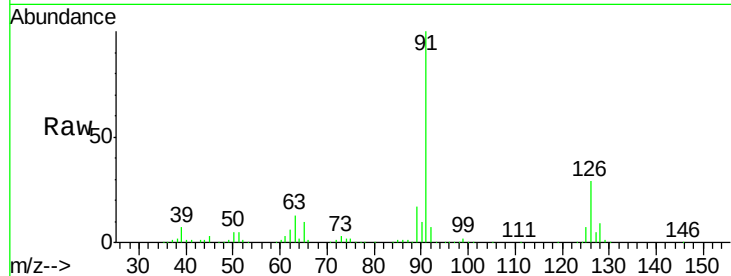
VSTDIC002

Tot Ion: 91 Resp: 1376532

Ion Ratio Lower Upper

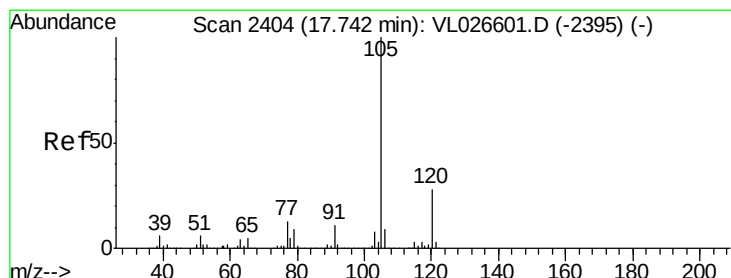
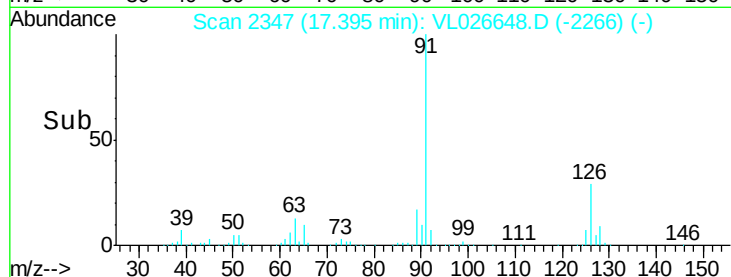
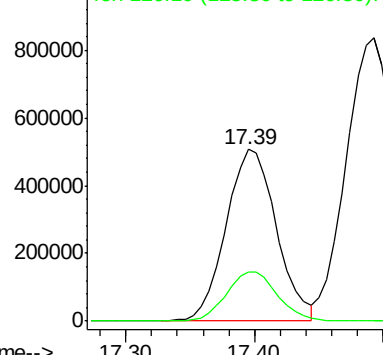
91 100

126 29.1 11.4 45.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.21 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Tgt Ion:105 Resp: 1493975

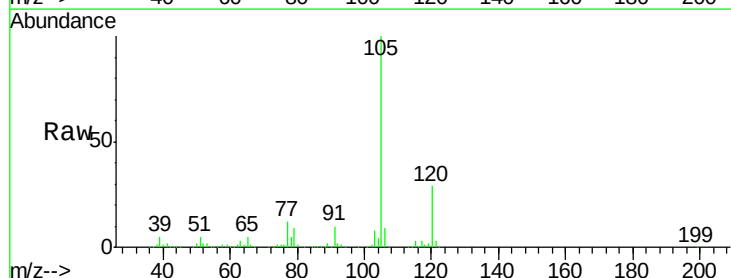
Ion Ratio Lower Upper

105 100

120 29.6 23.8 35.6

91 12.0 9.5 14.3

77 12.4 10.3 15.5

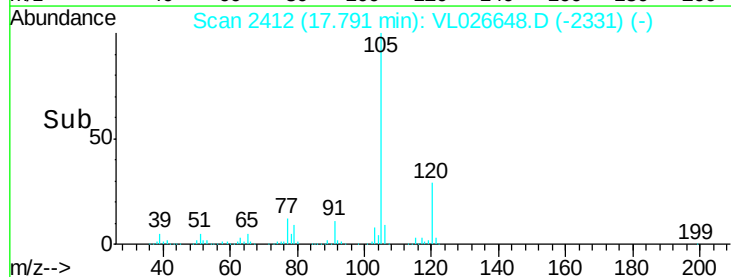
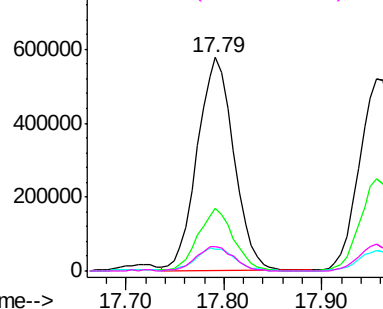


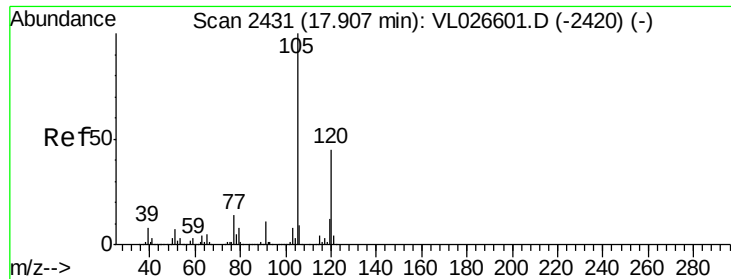
Abundance Ion 105.10 (104.80 to 105.80): V

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

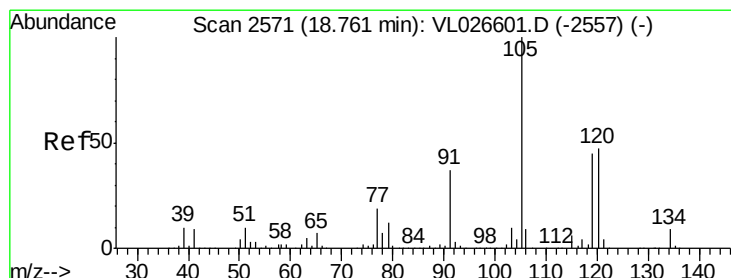
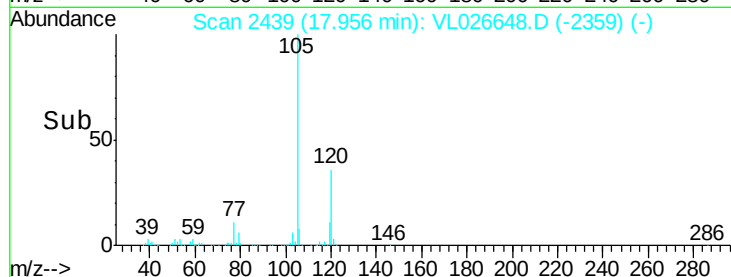
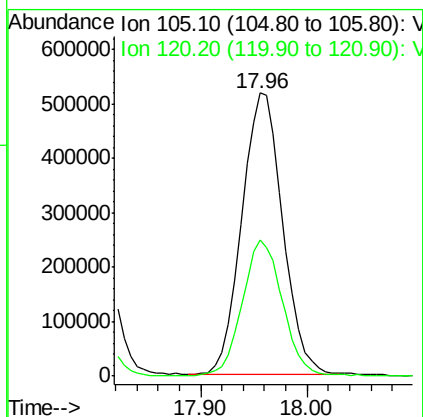
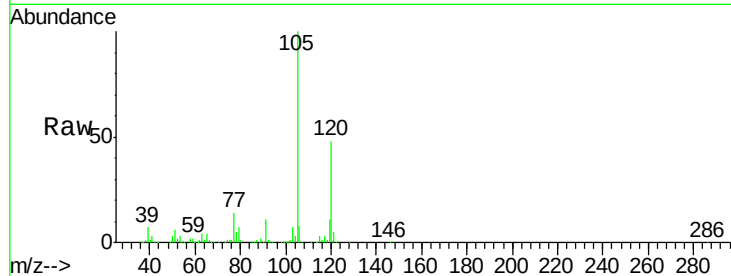




#73
 1,3,5-Trimethylbenzene
 Concen: 2.25 ppbv
 RT: 17.96 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

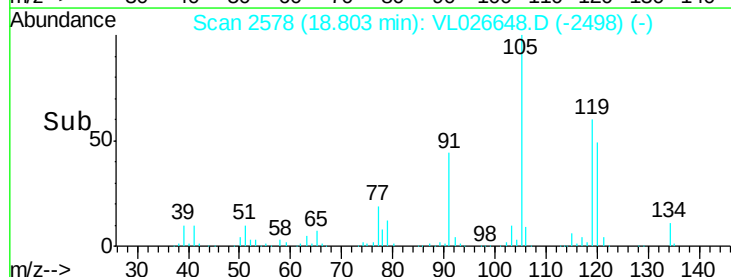
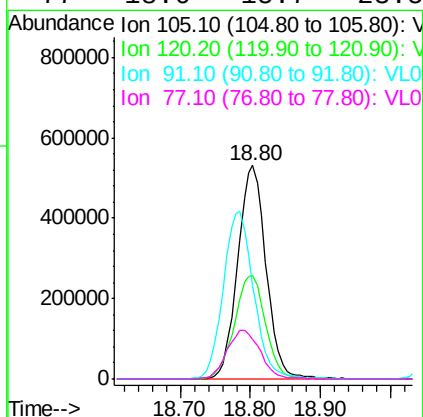
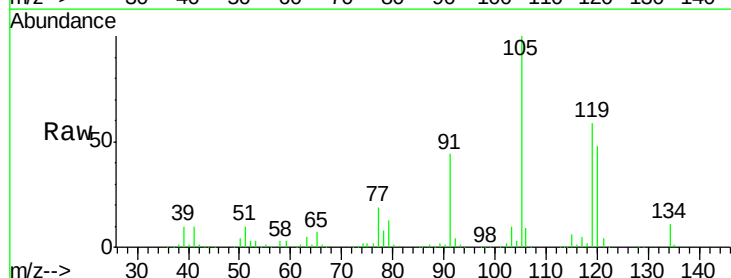
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

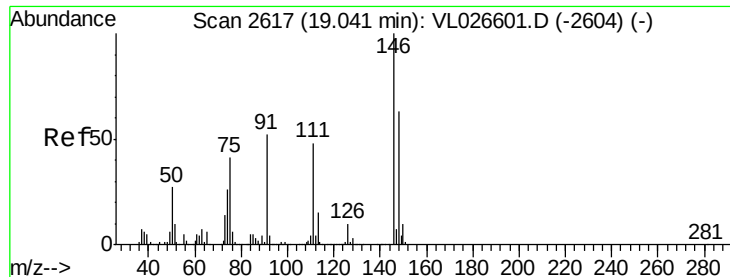
Tot Ion:105 Resp: 1394626
 Ion Ratio Lower Upper
 105 100
 120 48.2 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 2.47 ppbv
 RT: 18.80 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion:105 Resp: 1495917
 Ion Ratio Lower Upper
 105 100
 120 48.4 36.6 55.0
 91 43.8 32.5 48.7
 77 18.6 15.7 23.5

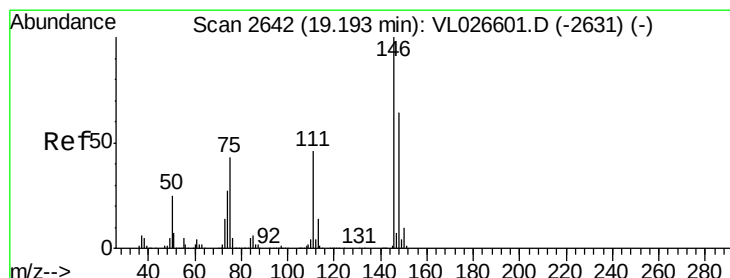
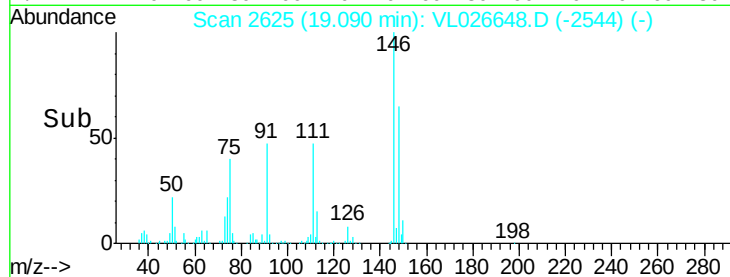
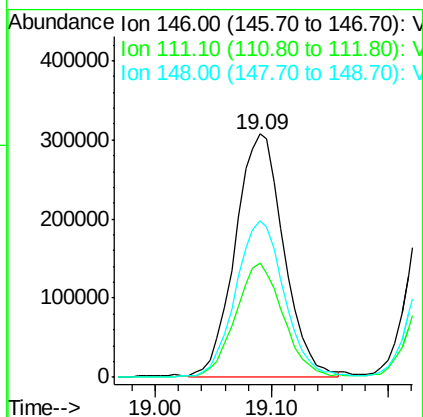
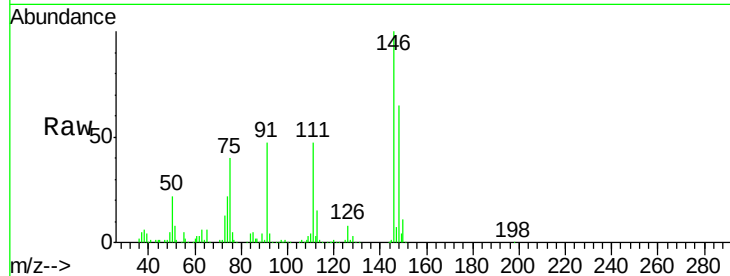




#75
 1,3-Dichlorobenzene
 Concen: 2.35 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

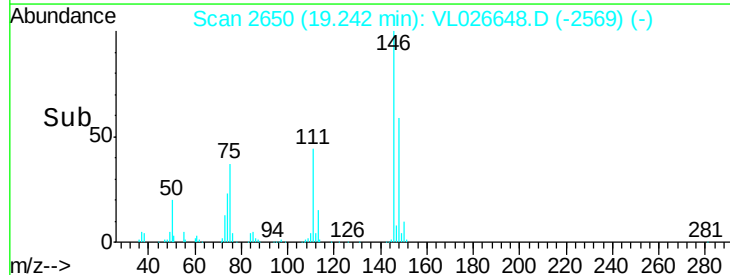
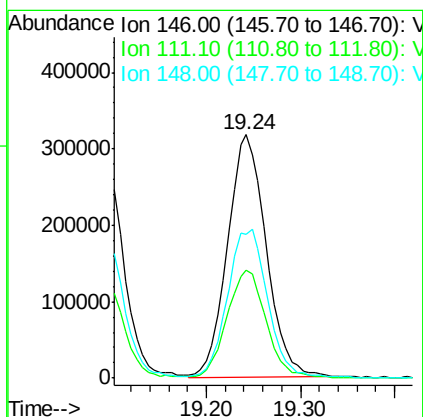
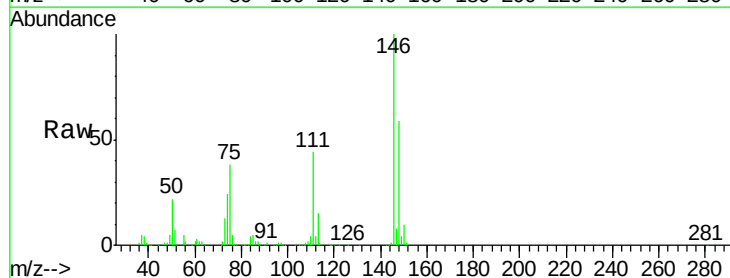
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

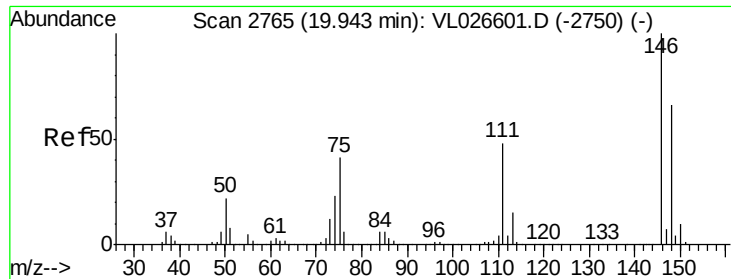
Tot Ion:146 Resp: 887677
 Ion Ratio Lower Upper
 146 100
 111 47.0 22.9 68.5
 148 65.6 31.6 95.0



#76
 1,4-Dichlorobenzene
 Concen: 2.28 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion:146 Resp: 905883
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.3 66.8
 148 64.7 31.9 95.9

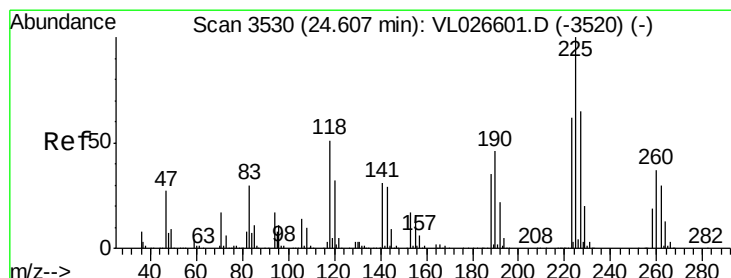
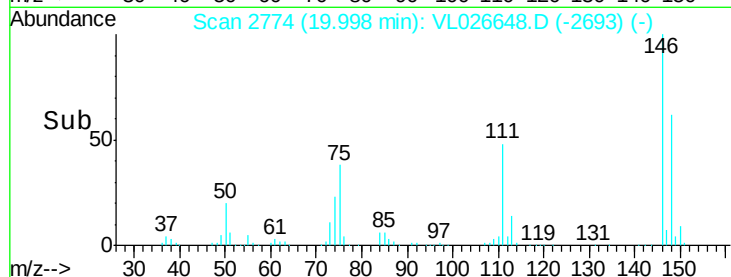
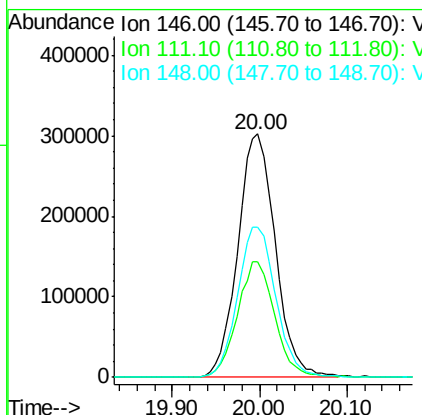
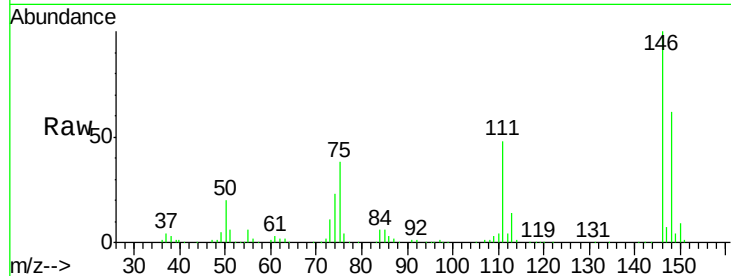




#77
 1,2-Dichlorobenzene
 Concen: 2.29 ppbv
 RT: 20.00 min Scan# 2774
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

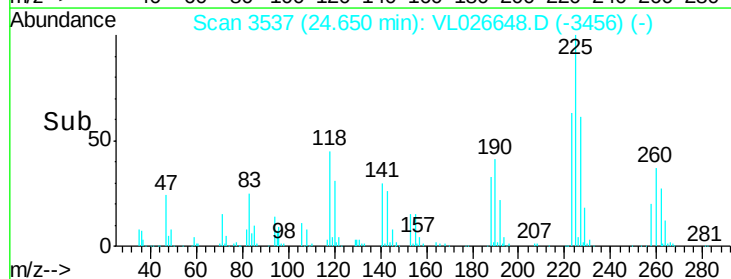
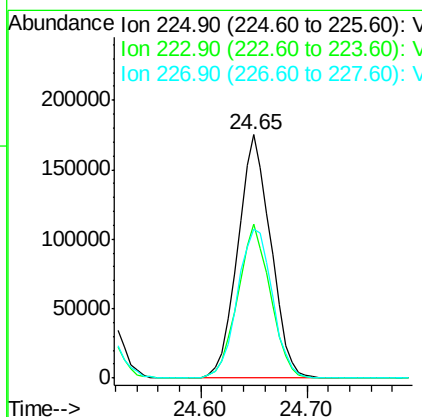
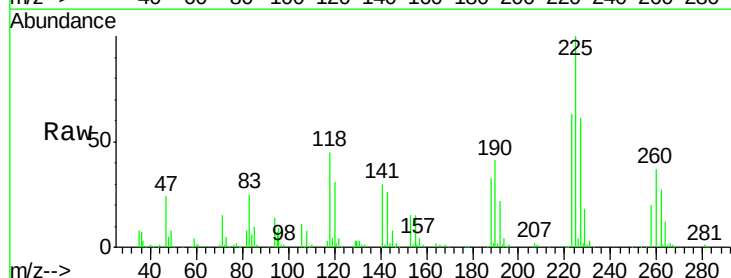
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

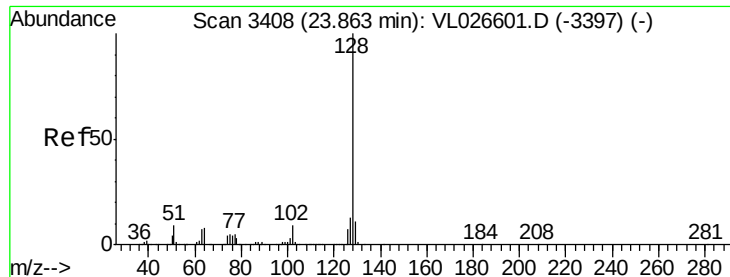
Tot Ion:146 Resp: 903240
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.7 71.1
 148 63.2 31.1 93.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.43 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: VL026648.D
 Acq: 8 Jan 2016 16:06

Tgt Ion:225 Resp: 381726
 Ion Ratio Lower Upper
 225 100
 223 62.4 50.0 75.0
 227 64.9 51.1 76.7





#79

Naphthalene

Concen: 2.19 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

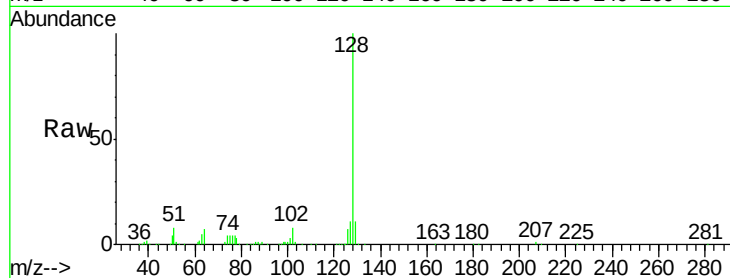
Tot Ion:128 Resp: 1036539

Ion Ratio Lower Upper

128 100

127 11.0 9.8 14.8

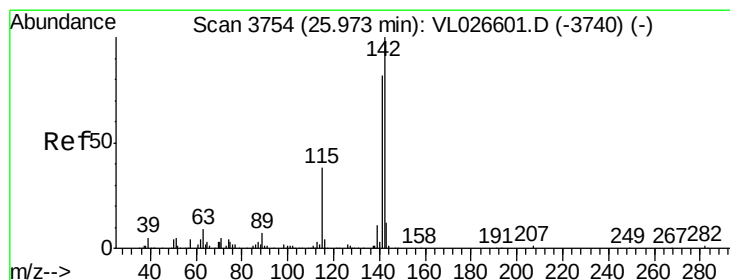
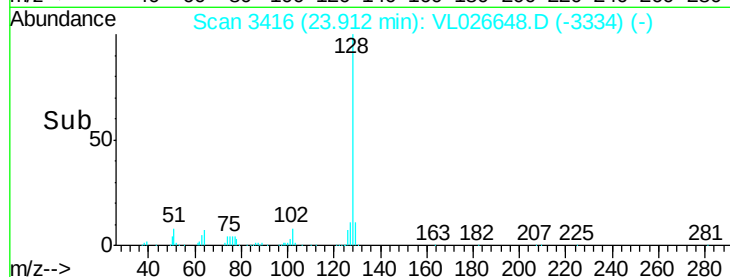
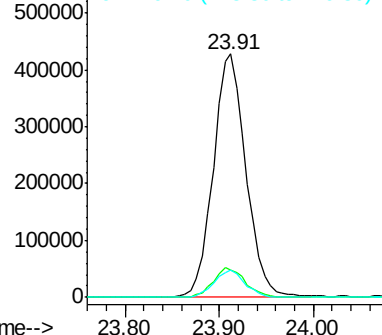
129 11.0 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.21 ppbv

RT: 26.02 min Scan# 3761

Delta R.T. -0.01 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

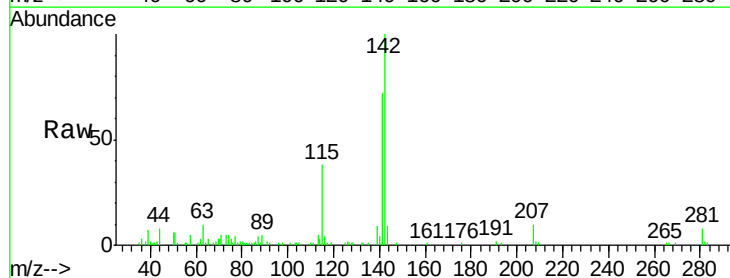
Tgt Ion:142 Resp: 146533

Ion Ratio Lower Upper

142 100

141 80.8 66.8 100.2

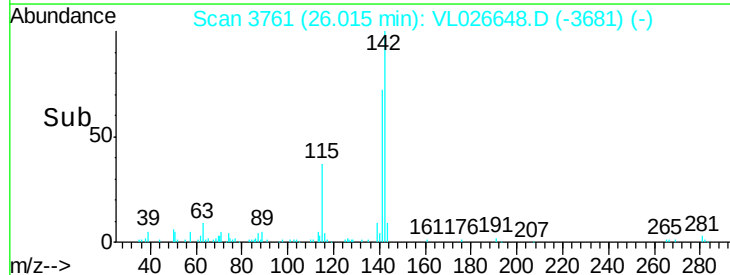
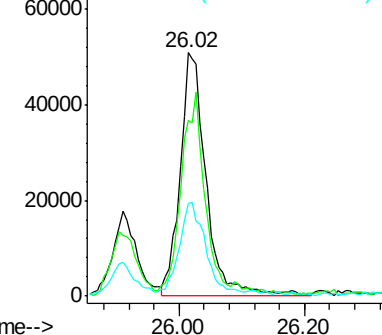
115 39.8 24.7 37.1#

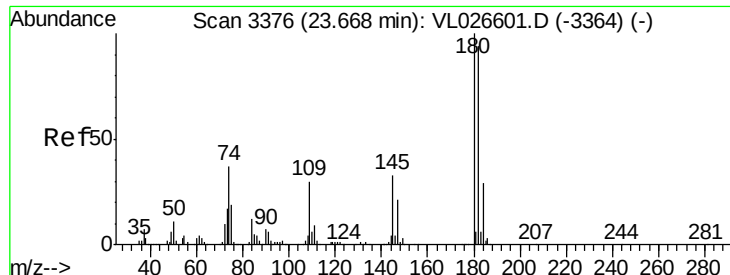


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 2.28 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VL026648.D

Acq: 8 Jan 2016 16:06

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

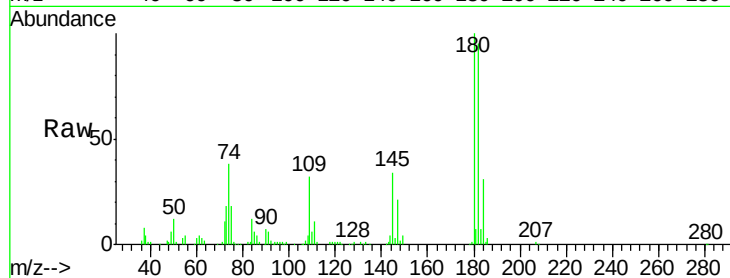
Tot Ion:180 Resp: 466941

Ion Ratio Lower Upper

180 100

182 95.8 75.5 113.3

184 30.9 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

