

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026210.D
 Acq On : 20 Oct 2015 13:10
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 20 13:53:10 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	557419	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	1641175	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	1962061	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1558294	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.63	85	13828	0.12	ppbv	98
3) Chlorodifluoromethane	3.56	51	10603	0.16	ppbv	98
4) Chloromethane	3.74	50	4565	0.12	ppbv	89
5) Vinyl Chloride	3.87	62	4037	0.11	ppbv	97
6) Bromomethane	4.14	94	3044	0.11	ppbv	98
7) Chloroethane	4.23	64	1677	0.10	ppbv #	41
8) Dichlorotetrafluoroethane	3.79	85	11027	0.12	ppbv	98
9) Propene	3.58	41	4591	0.15	ppbv	94
10) Heptane	9.33	43	12166	0.12	ppbv	99
11) Trichlorofluoromethane	4.67	101	12989	0.12	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.29	101	9266	0.13	ppbv	93
13) Ethanol	4.35	45	968	0.20	ppbv #	35
14) Bromoethene	4.44	108	3497	0.12	ppbv	97
15) Acetone	4.62	43	26565	0.36	ppbv #	56
16) 1,3-Butadiene	3.96	39	5119	0.15	ppbv #	71
17) tert-Butyl alcohol	5.17	59	3016	0.07	ppbv #	72
18) 1,1-Dichloroethene	5.07	96	3605	0.11	ppbv	92
19) Isopropyl Alcohol	4.79	45	3752	0.12	ppbv #	1
20) Methylene Chloride	5.14	84	5439	0.17	ppbv #	78
21) Allyl Chloride	5.20	41	7024	0.14	ppbv #	92
22) trans-1,2-Dichloroethene	5.75	96	4760	0.11	ppbv #	68
23) Vinyl Acetate	5.98	43	18998	0.14	ppbv	97
24) 1,1-Dichloroethane	5.89	63	9986	0.11	ppbv #	93
25) Ethyl Acetate	6.68	43	10684	0.08	ppbv	99
26) Hexane	6.63	57	9133	0.13	ppbv	97
27) Carbon Disulfide	5.37	76	11118	0.13	ppbv #	65
28) Methyl tert-Butyl Ether	5.98	73	15274	0.13	ppbv	99
29) Chloroform	6.72	83	12266	0.12	ppbv	95
30) Cyclohexane	8.26	84	9107	0.14	ppbv #	1
31) cis-1,2-Dichloroethene	6.50	61	7013	0.11	ppbv #	84
32) 1,1,1-Trichloroethane	7.57	97	12529	0.13	ppbv	98
34) 2-Butanone	6.22	43	14482	0.16	ppbv	94
35) Carbon Tetrachloride	8.13	117	13985	0.13	ppbv	97
36) Benzene	7.99	78	19188	0.12	ppbv	99
37) 1,2-Dichloroethane	7.35	62	9818	0.12	ppbv #	78
38) Trichloroethene	9.04	130	9247	0.13	ppbv	93
39) 1,2-Dichloropropane	8.80	63	6562	0.11	ppbv	87
40) 1,4-Dioxane	9.24	88	423	0.04	ppbv #	1
41) Tetrahydrofuran	7.17	42	5643	0.11	ppbv #	87
42) Bromodichloromethane	9.00	83	13181	0.12	ppbv	92
43) Methyl Methacrylate	9.26	69	5650	0.10	ppbv	94

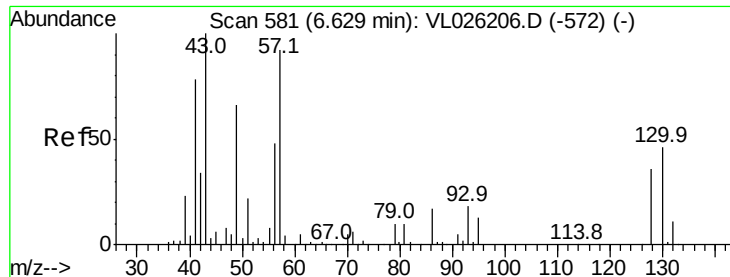
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL102015\
 Data File : VL026210.D
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 VSTDIC0.1

Quant Time: Oct 20 13:53:10 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 12:43:06 2015
 QLast Update : Tue Oct 20 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	30403	0.12	ppbv	97
45) t-1,3-Dichloropropene	10.63	75	8743	0.11	ppbv	93
46) cis-1,3-Dichloropropene	10.00	75	10790	0.11	ppbv	95
47) 1,1,2-Trichloroethane	10.85	97	7666	0.11	ppbv #	87
48) Dibromochloromethane	11.77	129	11482	0.11	ppbv	97
49) Bromoform	14.78	173	8705	0.11	ppbv	97
50) 4-Methyl-2-Pentanone	10.11	43	13381	0.11	ppbv	93
51) 2-Hexanone	11.63	43	11041	0.10	ppbv #	99
52) Tetrachloroethene	12.77	164	11145	0.14	ppbv	95
53) Toluene	11.21	91	25673	0.13	ppbv	100
54) 1,2-Dibromoethane	12.12	107	12283	0.12	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.76	131	9829	0.12	ppbv #	1
57) Chlorobenzene	13.78	112	22663	0.13	ppbv	95
58) Ethyl Benzene	14.38	91	38370	0.13	ppbv	91
59) m/p-Xylene	14.68	91	13558	0.06	ppbv #	1
60) o-Xylene	15.46	91	32400	0.13	ppbv	100
61) Styrene	15.29	104	11215	0.11	ppbv	99
62) Isopropylbenzene	16.51	105	41594	0.13	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	18843	0.11	ppbv	98
64) n-propylbenzene	17.49	120	11054	0.13	ppbv	88
65) tert-Butylbenzene	18.78	119	39218	0.14	ppbv	97
66) Benzyl Chloride	19.07	91	13099	0.15	ppbv #	91
67) sec-Butylbenzene	19.38	105	53773	0.14	ppbv	99
69) p-Isopropyltoluene	19.76	119	44679	0.14	ppbv	97
70) n-Butylbenzene	20.74	91	38665	0.13	ppbv	99
71) 2-Chlorotoluene	17.40	91	30538	0.13	ppbv	99
72) 4-Ethyltoluene	17.79	105	32474	0.12	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	32883	0.13	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	36942	0.14	ppbv	97
75) 1,3-Dichlorobenzene	19.09	146	22986	0.14	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	24414	0.15	ppbv	96
77) 1,2-Dichlorobenzene	20.00	146	22773	0.14	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	14465	0.25	ppbv	98
79) Naphthalene	23.92	128	27898	0.19	ppbv	96
80) Naphthalene,2-methyl-	26.05	142	2815	0.06	ppbv	97
81) 1,2,4-Trichlorobenzene	23.72	180	14525	0.20	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC0.1

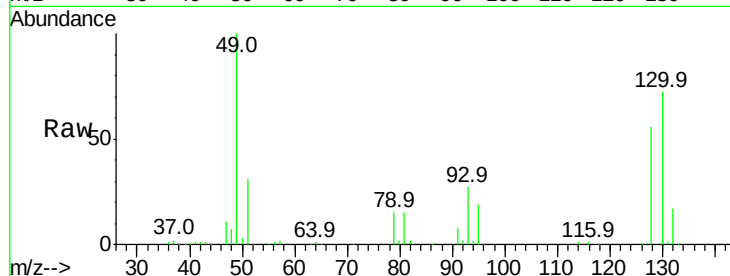
Tgt Ion: 49 Resp: 557419

Ion Ratio Lower Upper

49 100

128 57.5 28.1 84.3

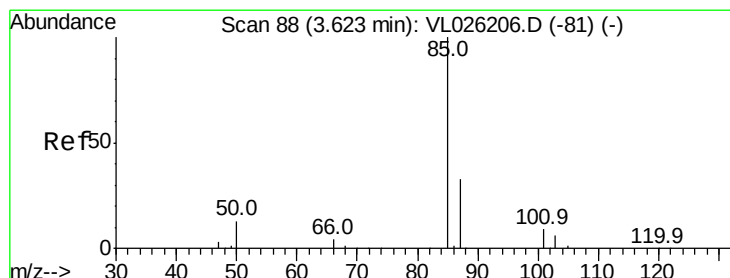
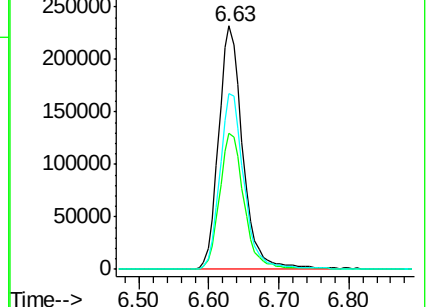
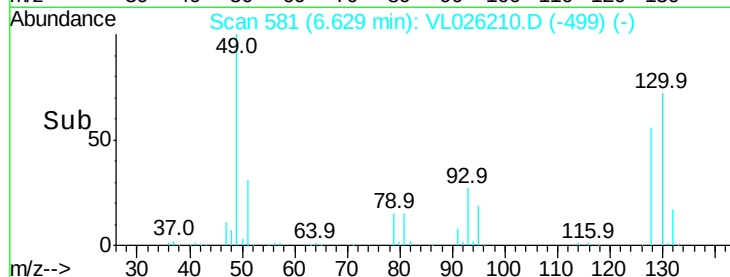
130 73.2 36.2 108.6



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: 0.12 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VL026210.D

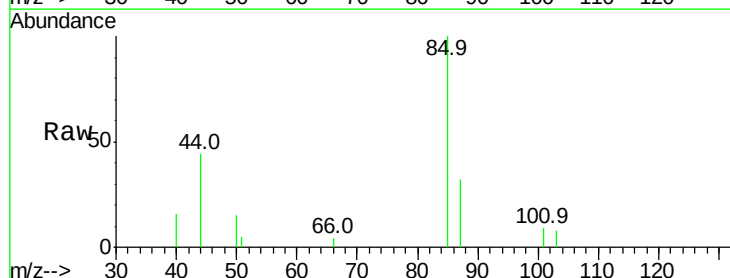
Acq: 20 Oct 2015 13:10

Tgt Ion: 85 Resp: 13828

Ion Ratio Lower Upper

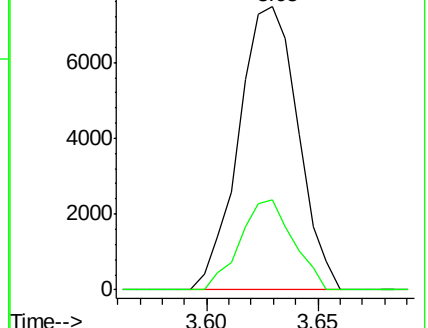
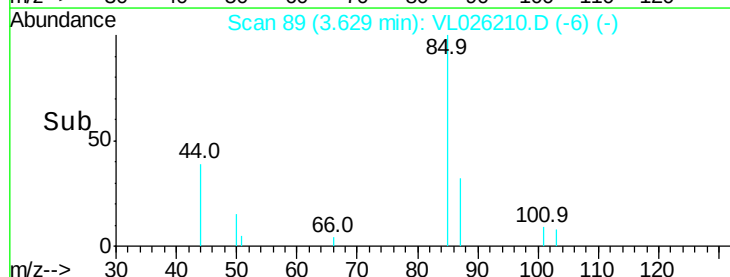
85 100

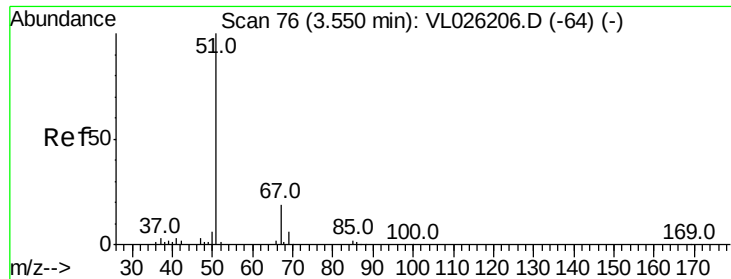
87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.16 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

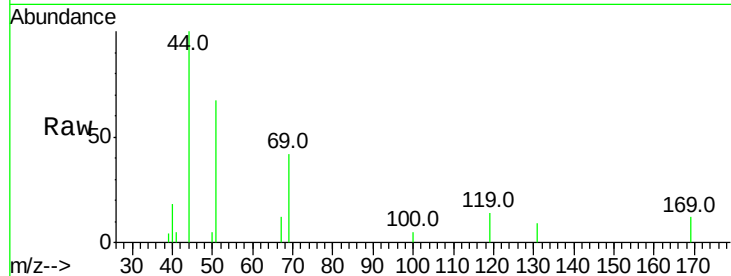
VSTDIC0.1

Tgt Ion: 51 Resp: 10603

Ion Ratio Lower Upper

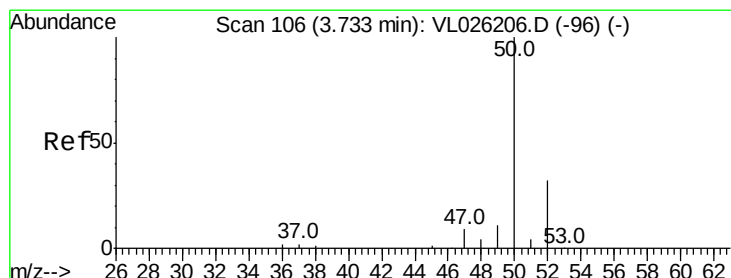
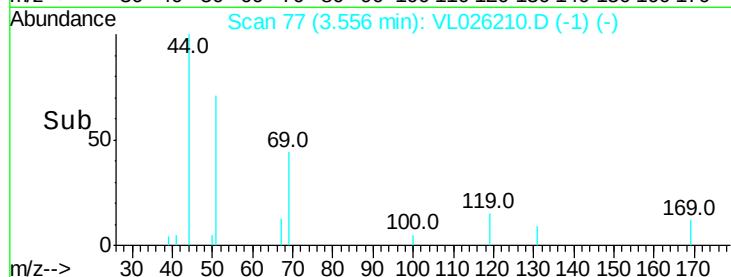
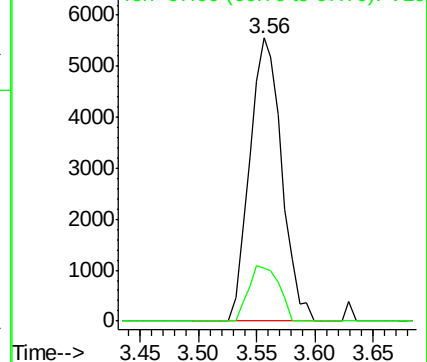
51 100

67 18.5 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.12 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL026210.D

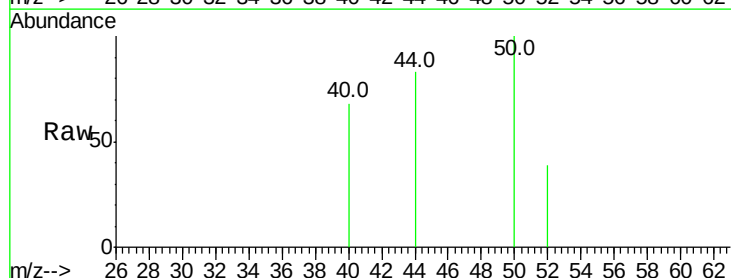
Acq: 20 Oct 2015 13:10

Tgt Ion: 50 Resp: 4565

Ion Ratio Lower Upper

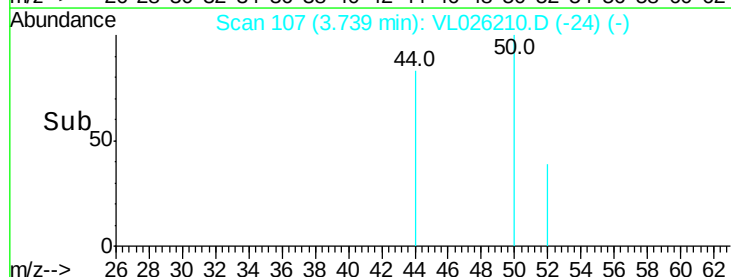
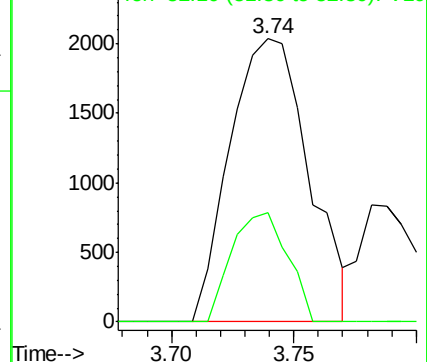
50 100

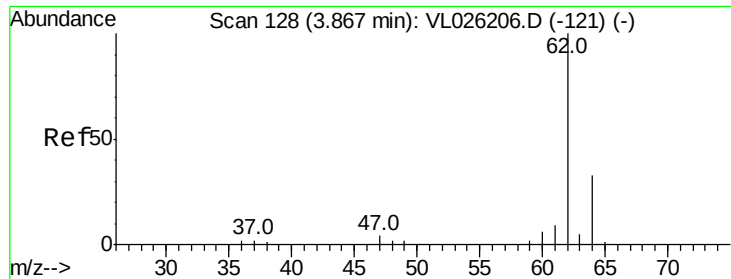
52 38.6 25.8 38.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.11 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

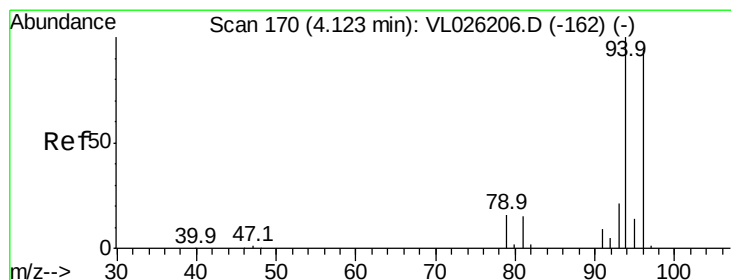
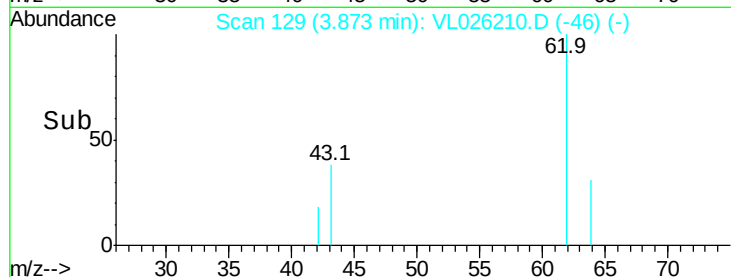
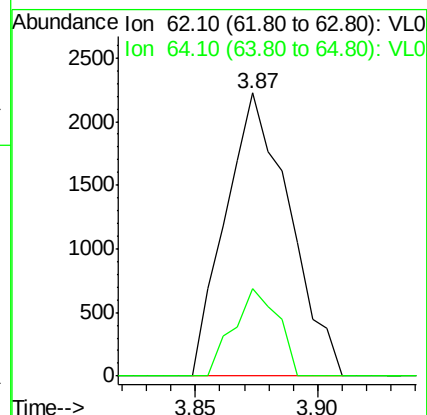
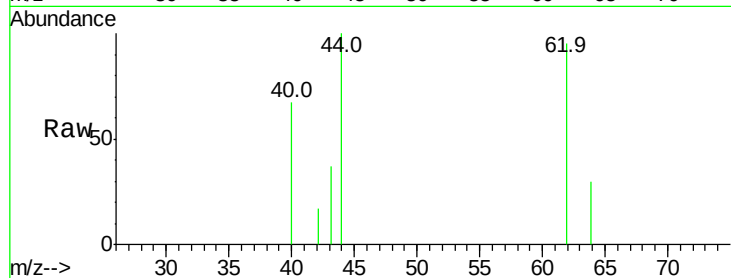
VSTDIC0.1

Tgt Ion: 62 Resp: 4037

Ion Ratio Lower Upper

62 100

64 31.0 26.3 39.5



#6

Bromomethane

Concen: 0.11 ppbv

RT: 4.14 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL026210.D

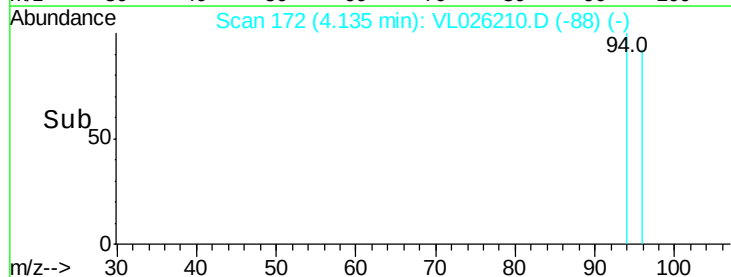
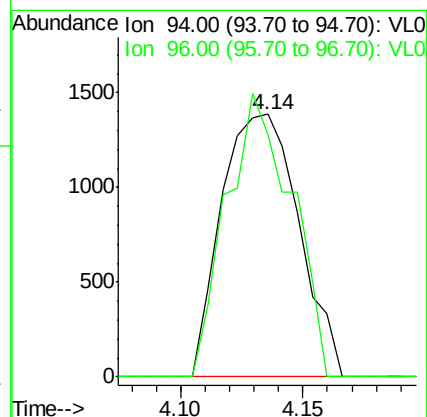
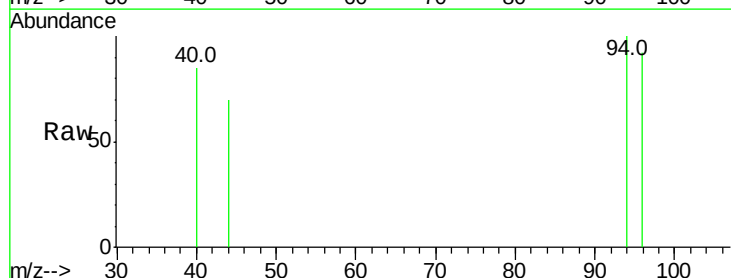
Acq: 20 Oct 2015 13:10

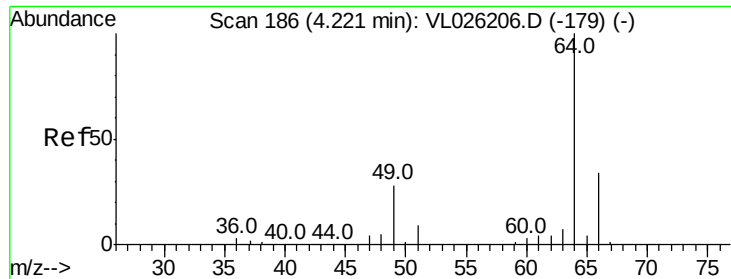
Tgt Ion: 94 Resp: 3044

Ion Ratio Lower Upper

94 100

96 92.3 75.5 113.3





#7

Chloroethane

Concen: 0.10 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

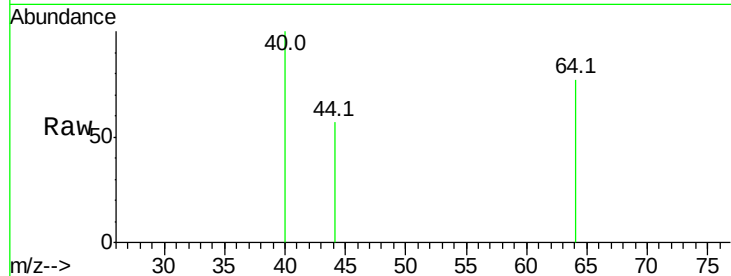
VSTDIC0.1

Tgt Ion: 64 Resp: 1677

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.23

1200

1000

800

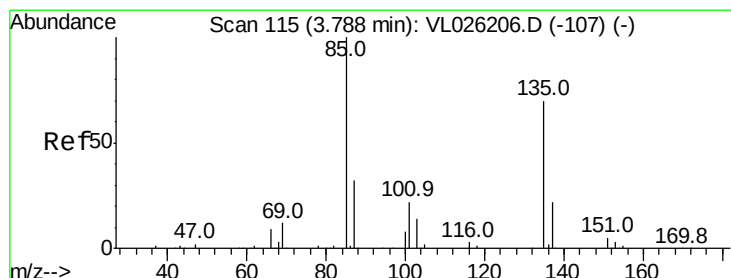
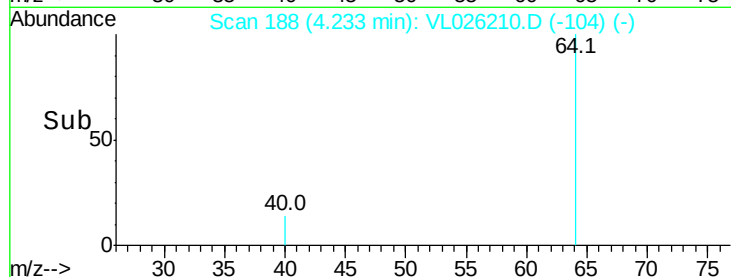
600

400

200

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.12 ppbv

RT: 3.79 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL026210.D

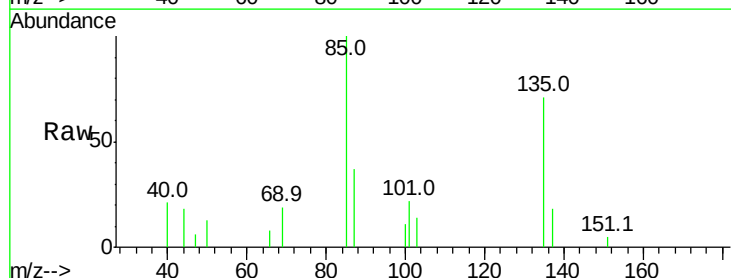
Acq: 20 Oct 2015 13:10

Tgt Ion: 85 Resp: 11027

Ion Ratio Lower Upper

85 100

135 73.2 57.5 86.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.79

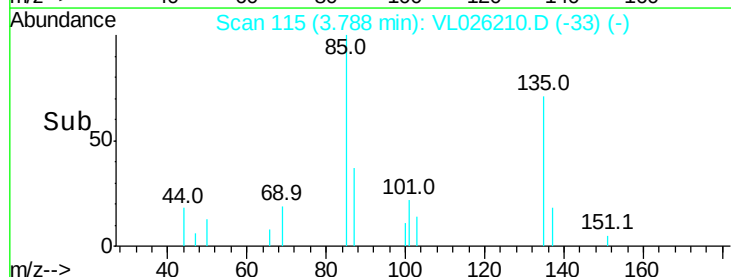
6000

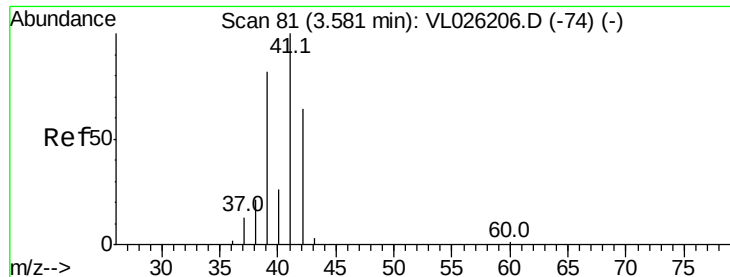
4000

2000

0

Time-->





#9

Propene

Concen: 0.15 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

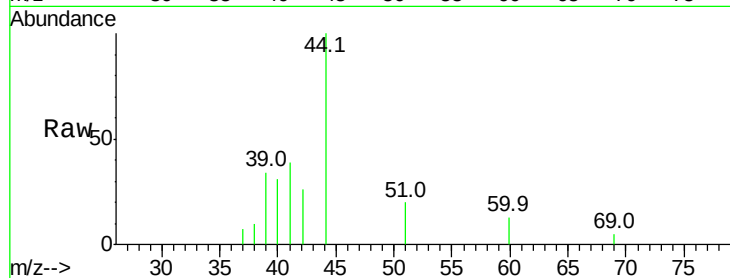
VSTDIC0.1

Tgt Ion: 41 Resp: 4591

Ion Ratio Lower Upper

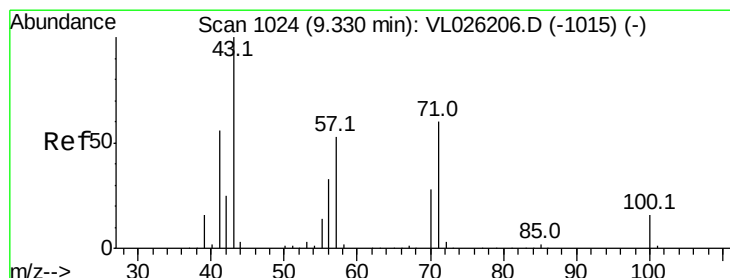
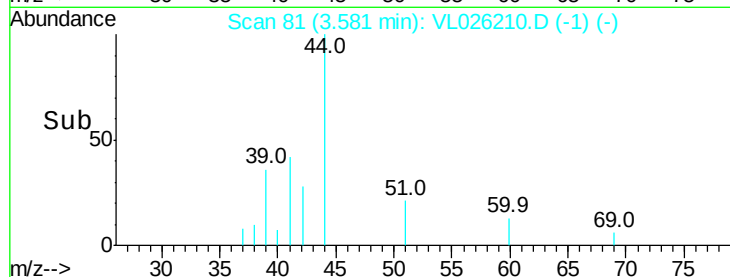
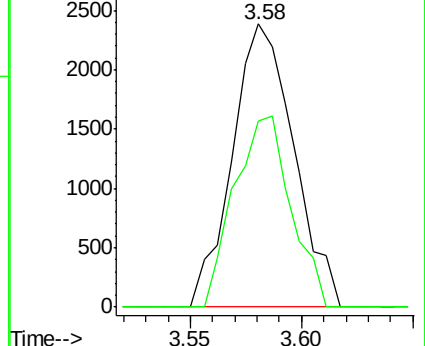
41 100

42 61.9 53.1 79.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.12 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. 0.00 min

Lab File: VL026210.D

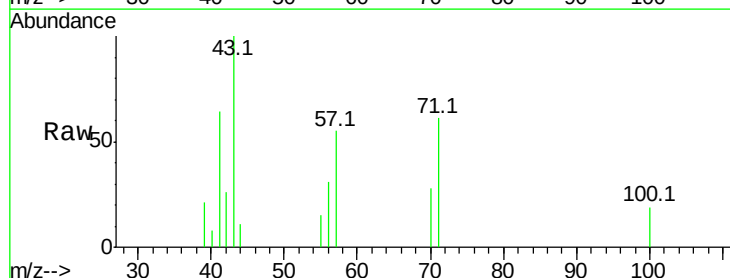
Acq: 20 Oct 2015 13:10

Tgt Ion: 43 Resp: 12166

Ion Ratio Lower Upper

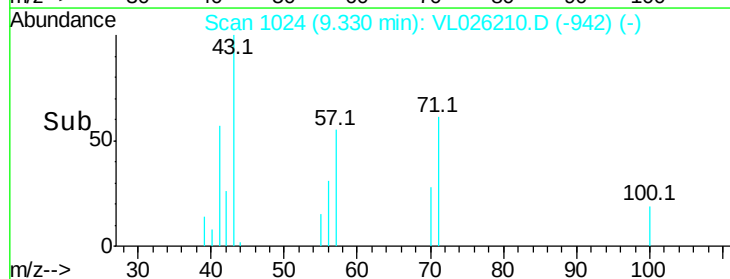
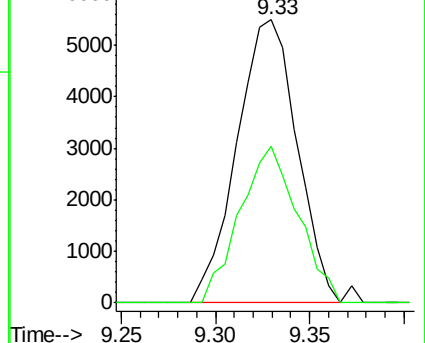
43 100

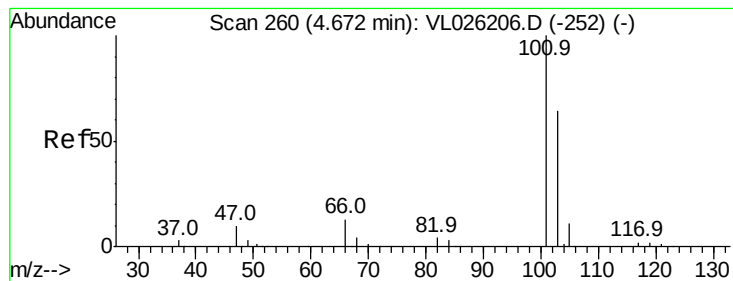
57 53.5 43.5 65.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.12 ppbv

RT: 4.67 min Scan# 260

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

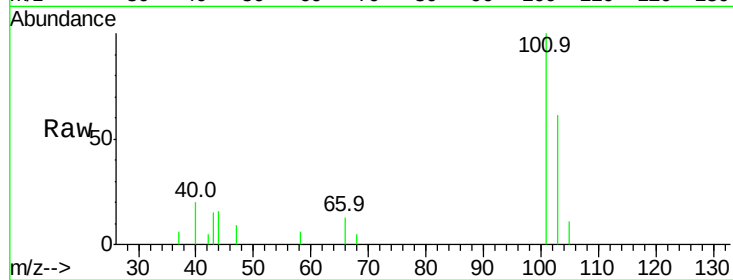
VSTDIC0.1

Tgt Ion:101 Resp: 12989

Ion Ratio Lower Upper

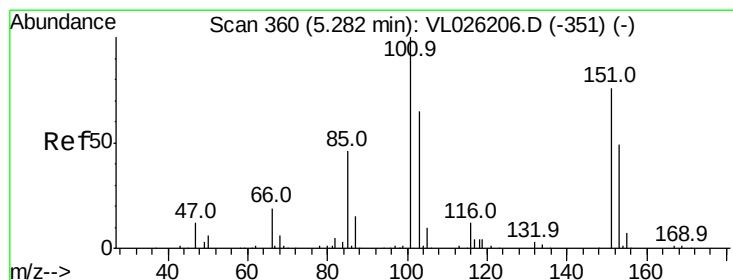
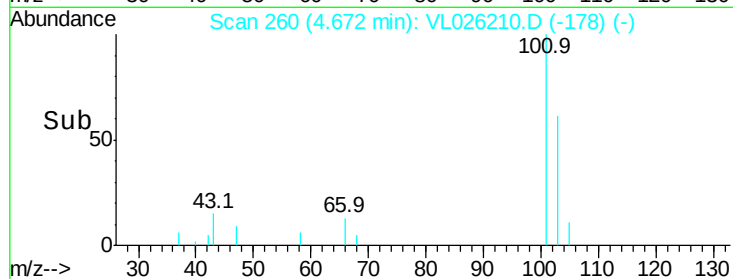
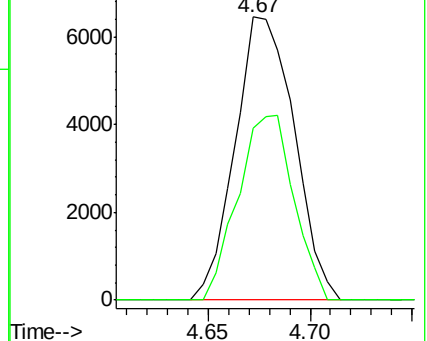
101 100

103 60.7 51.2 76.8



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: 0.13 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL026210.D

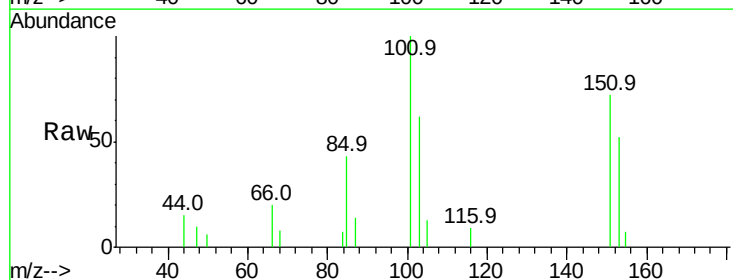
Acq: 20 Oct 2015 13:10

Tgt Ion:101 Resp: 9266

Ion Ratio Lower Upper

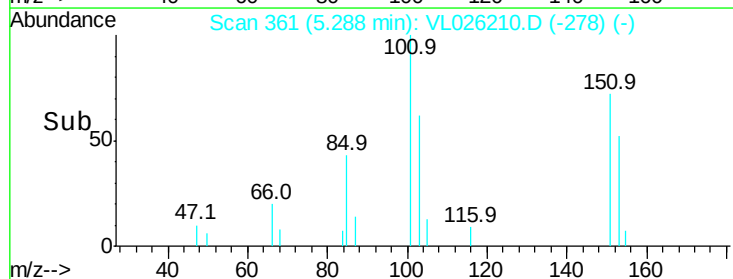
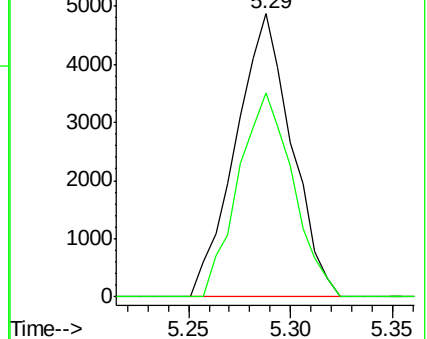
101 100

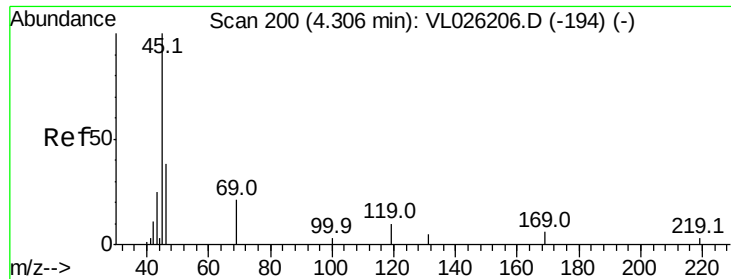
151 70.3 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.20 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.05 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

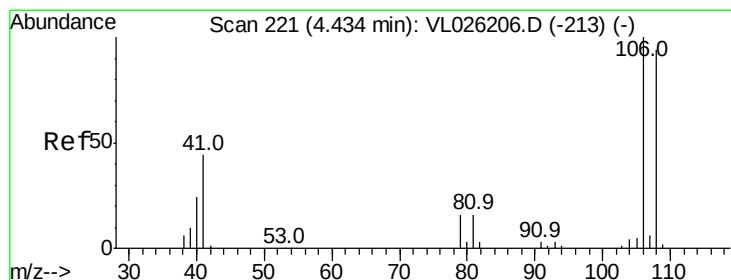
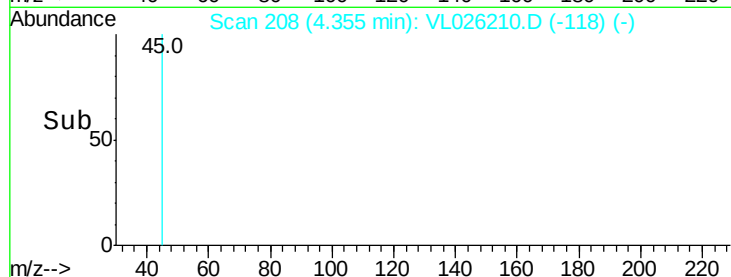
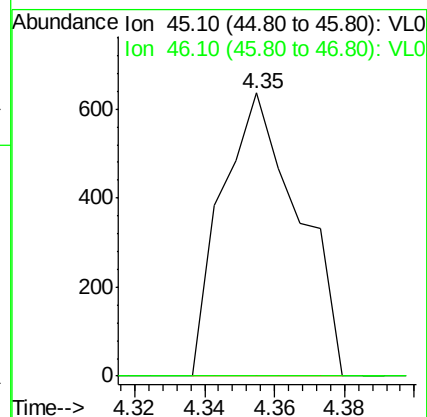
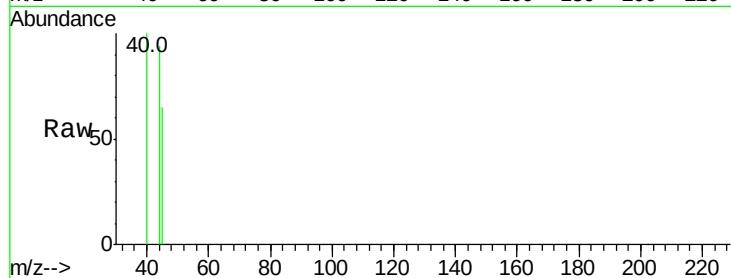
VSTDIC0.1

Tgt Ion: 45 Resp: 968

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.3#



#14

Bromoethene

Concen: 0.12 ppbv

RT: 4.44 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

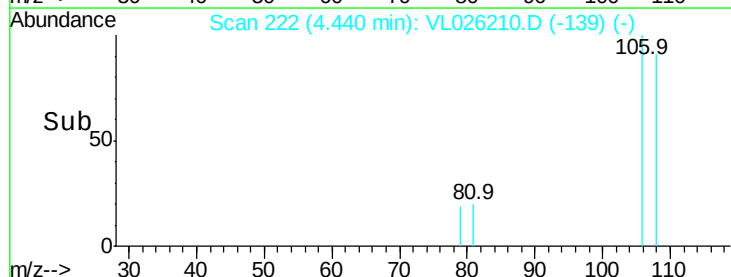
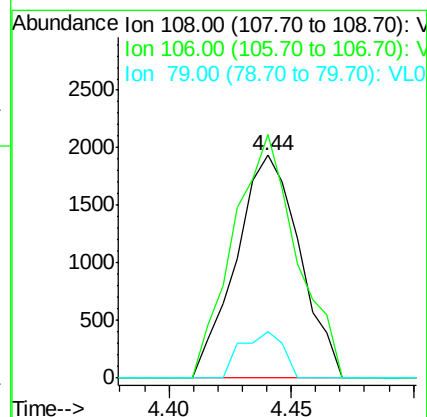
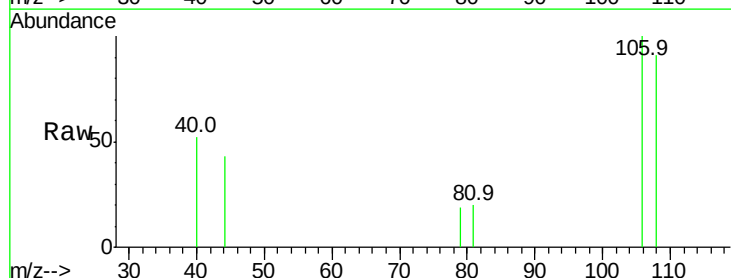
Tgt Ion: 108 Resp: 3497

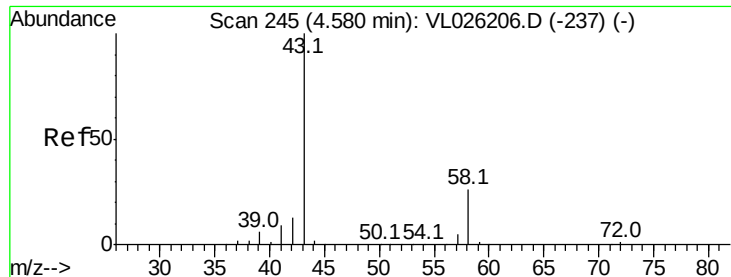
Ion Ratio Lower Upper

108 100

106 109.3 85.3 127.9

79 13.8 13.4 20.0





#15

Acetone

Concen: 0.36 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.04 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

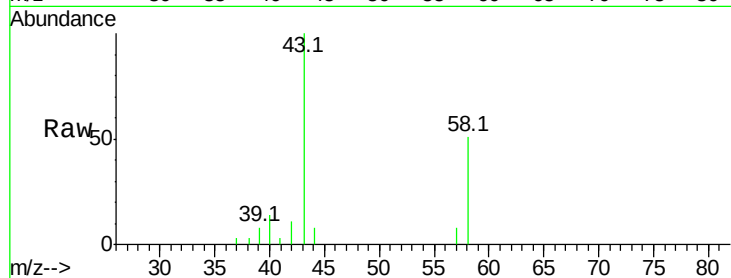
VSTDIC0.1

Tgt Ion: 43 Resp: 26565

Ion Ratio Lower Upper

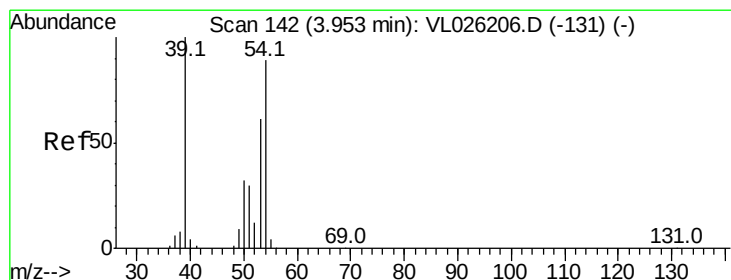
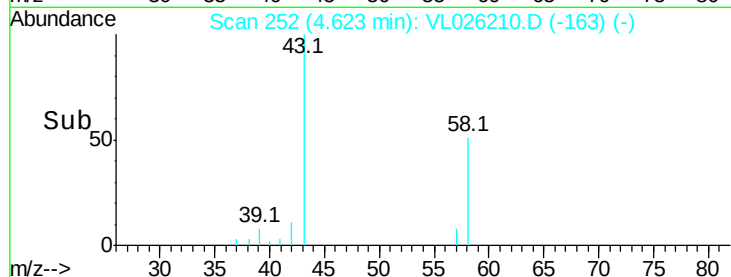
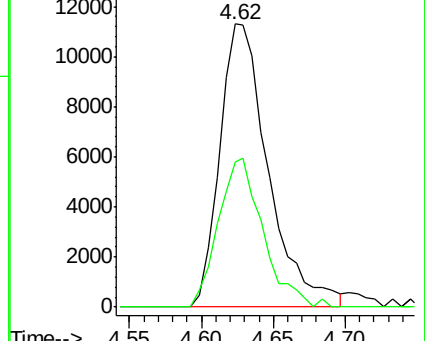
43 100

58 48.5 21.0 31.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.15 ppbv

RT: 3.96 min Scan# 143

Delta R.T. 0.01 min

Lab File: VL026210.D

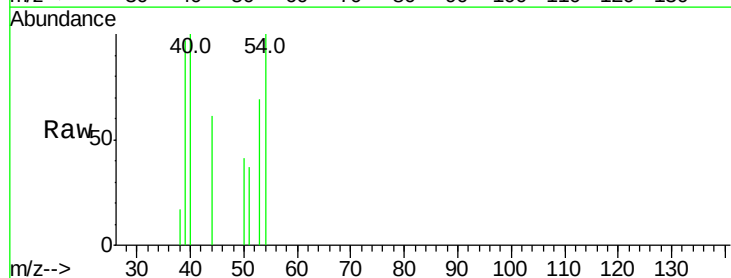
Acq: 20 Oct 2015 13:10

Tgt Ion: 39 Resp: 5119

Ion Ratio Lower Upper

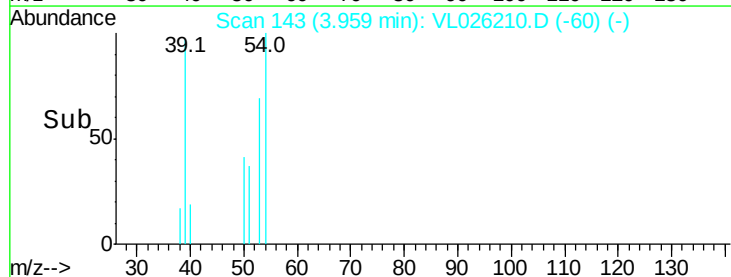
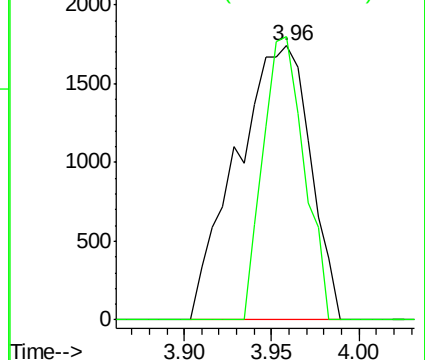
39 100

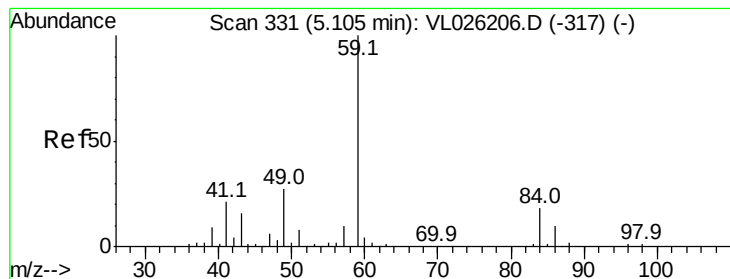
54 57.5 67.3 100.9#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.07 ppbv

RT: 5.17 min Scan# 342

Delta R.T. 0.07 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

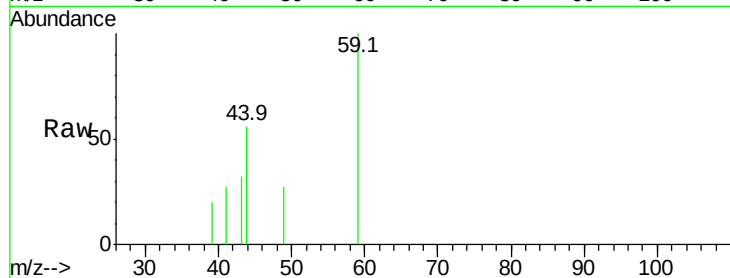
VSTDIC0.1

Tgt Ion: 59 Resp: 3016

Ion Ratio Lower Upper

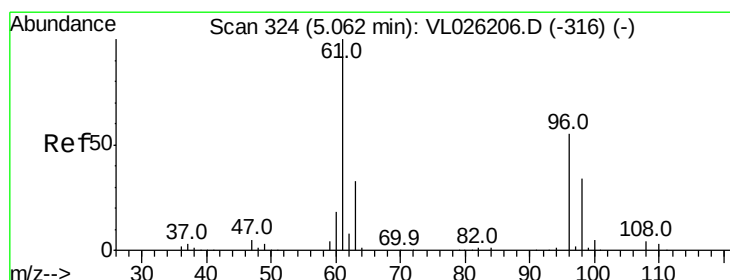
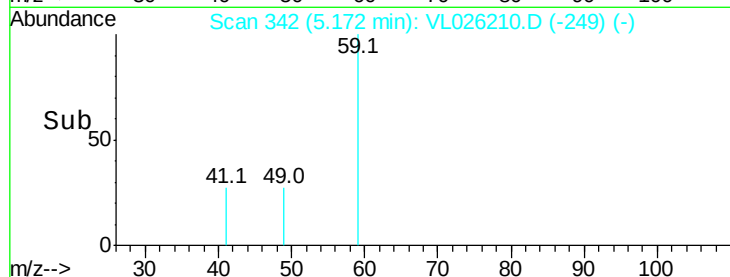
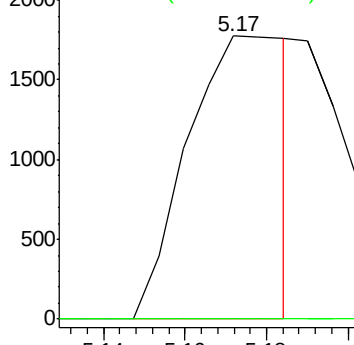
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.11 ppbv

RT: 5.07 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

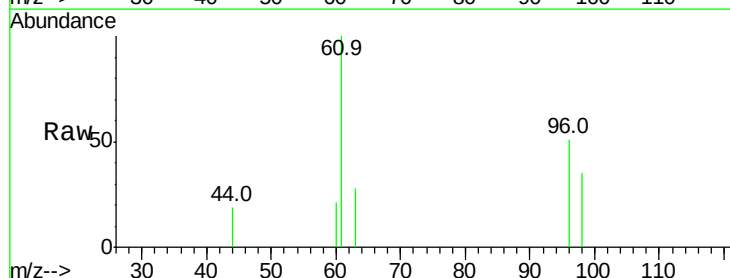
Tgt Ion: 96 Resp: 3605

Ion Ratio Lower Upper

96 100

61 195.4 146.6 219.8

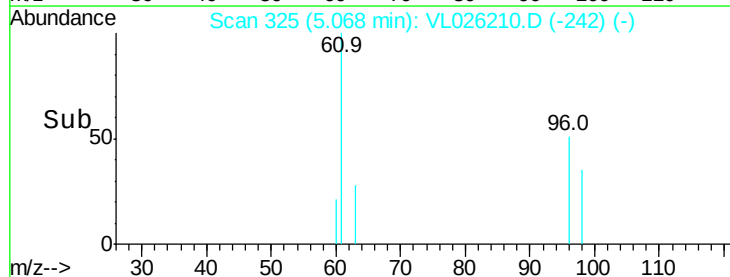
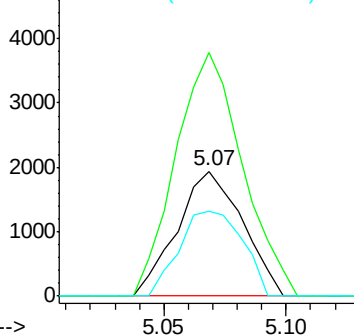
98 68.5 50.5 75.7

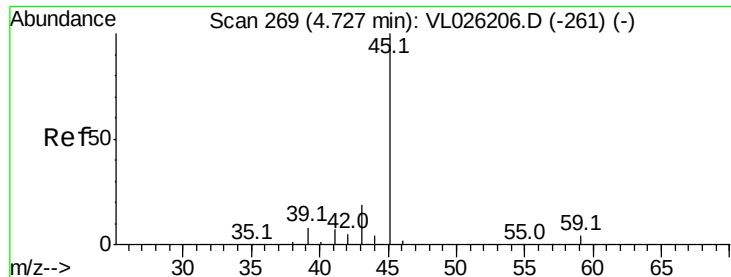


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.12 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.06 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

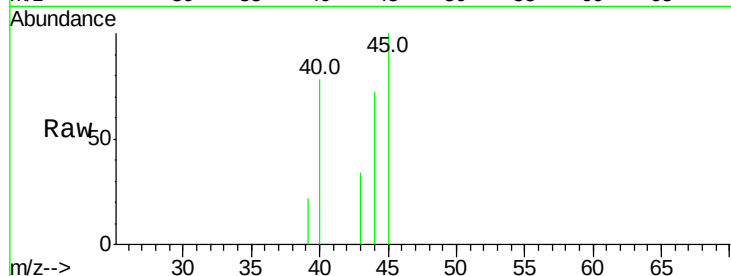
VSTDIC0.1

Tgt Ion: 45 Resp: 3752

Ion Ratio Lower Upper

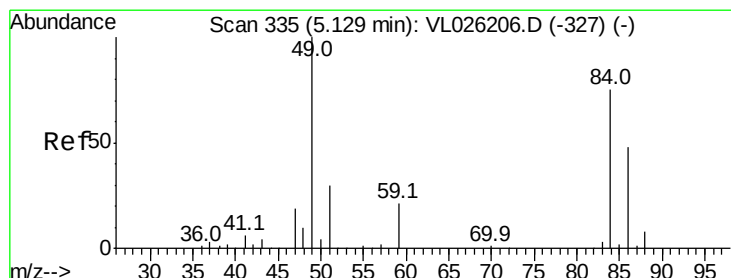
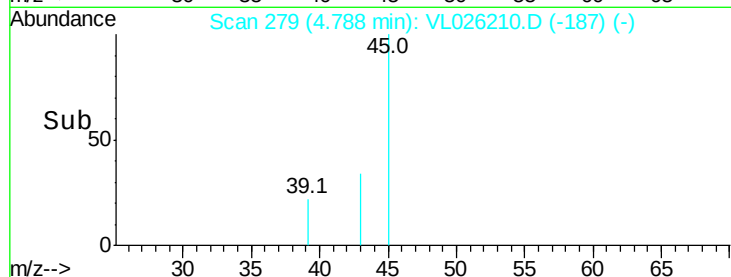
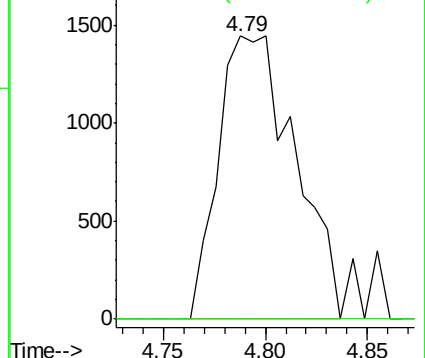
45 100

58 343.0 42.4 63.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.17 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Tgt Ion: 84 Resp: 5439

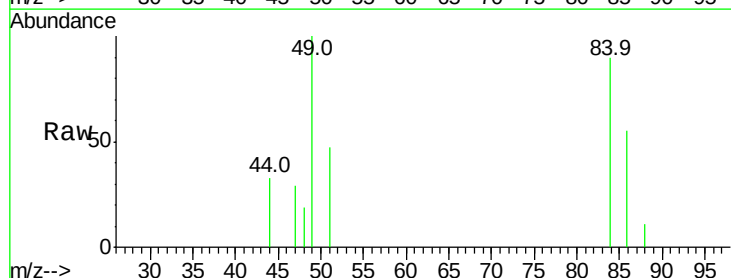
Ion Ratio Lower Upper

84 100

49 98.2 107.9 161.9#

51 52.1 32.4 48.6#

86 61.0 51.2 76.8

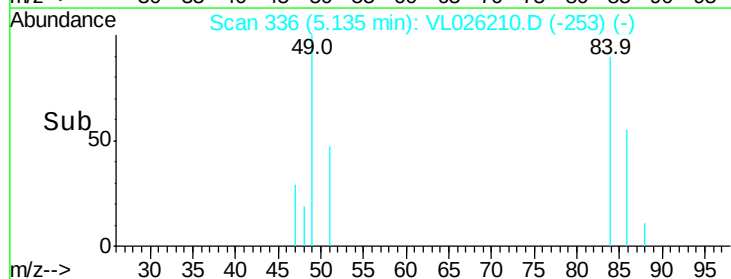
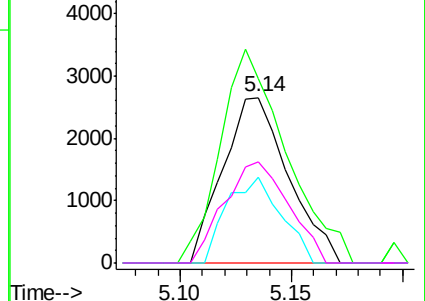


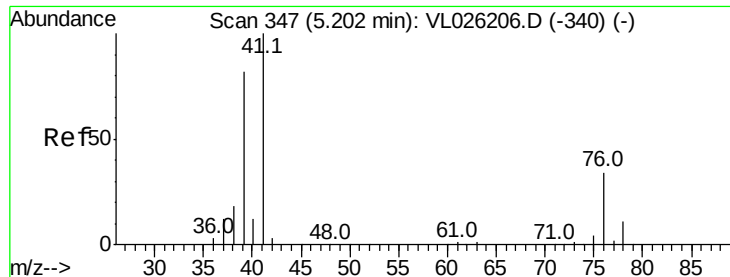
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.14 ppbv

RT: 5.20 min Scan# 347

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

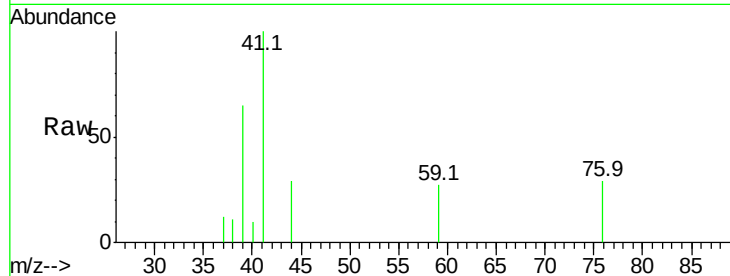
Tgt Ion: 41 Resp: 7024

Ion Ratio Lower Upper

41 100

76 22.2 26.2 39.4#

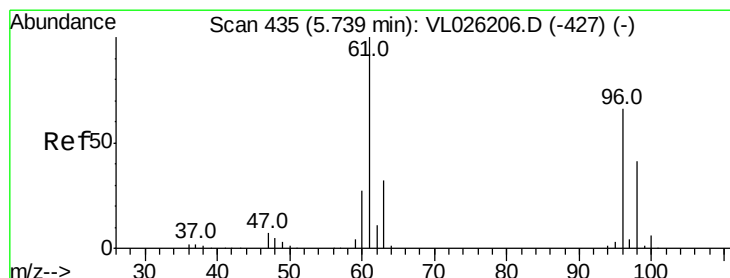
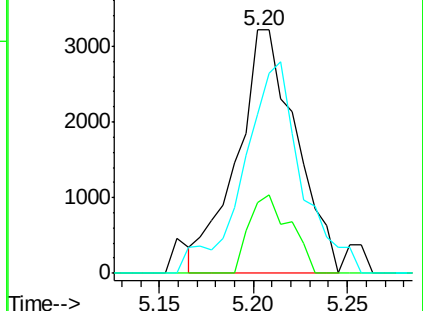
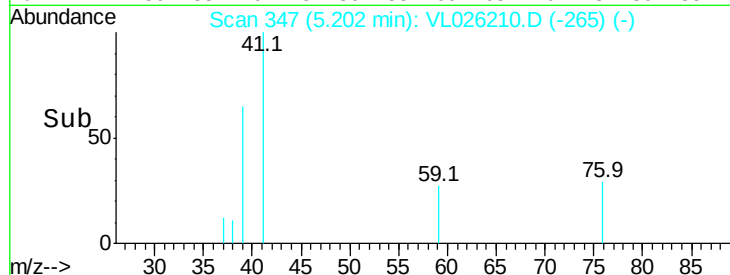
39 85.1 65.6 98.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.11 ppbv

RT: 5.75 min Scan# 437

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

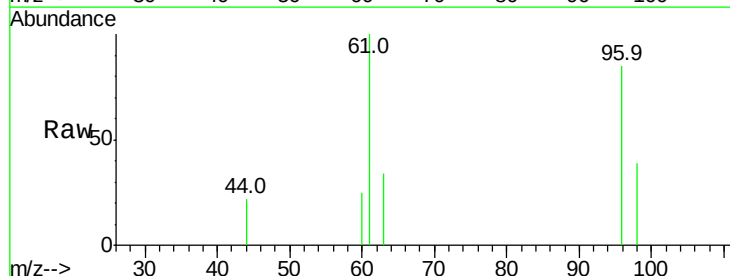
Tgt Ion: 96 Resp: 4760

Ion Ratio Lower Upper

96 100

61 105.8 121.3 181.9#

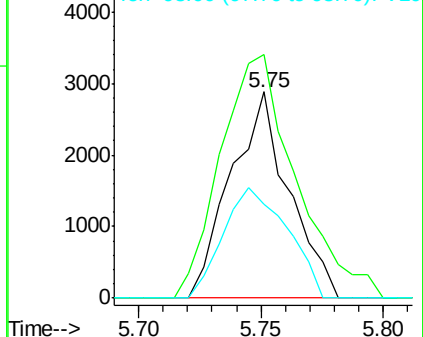
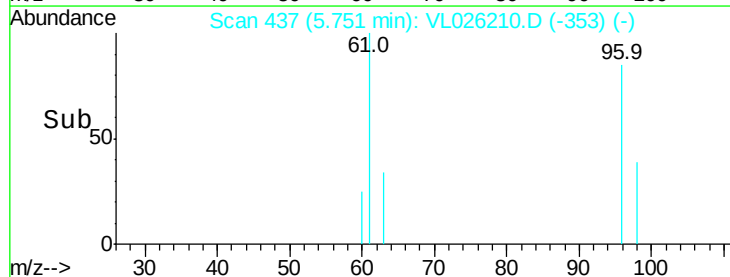
98 45.8 49.8 74.8#

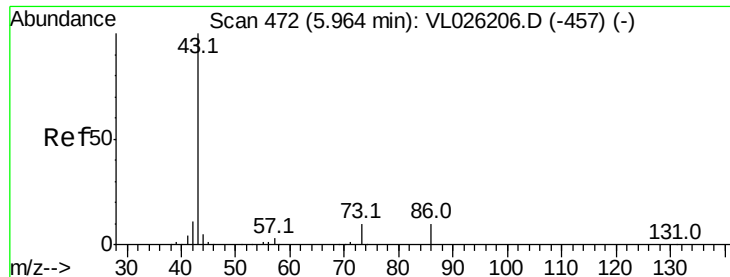


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.14 ppbv

RT: 5.98 min Scan# 475

Delta R.T. 0.02 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 18998

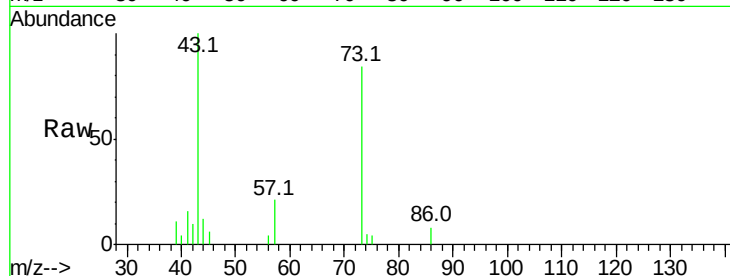
Ion Ratio Lower Upper

43 100

86 8.5 7.8 11.6

42 9.6 8.4 12.6

44 4.0 3.7 5.5

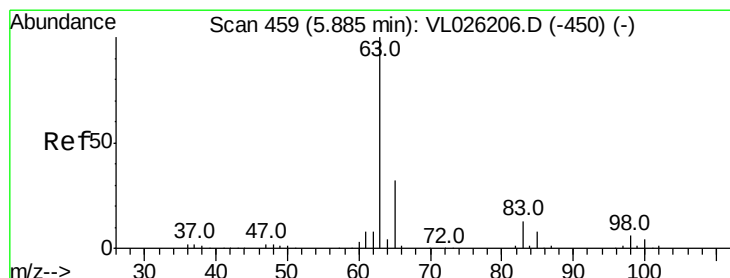
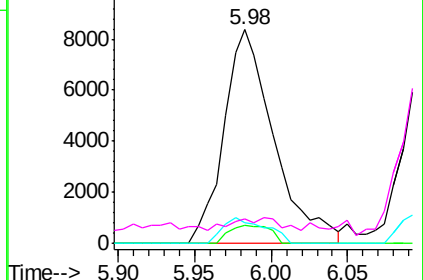
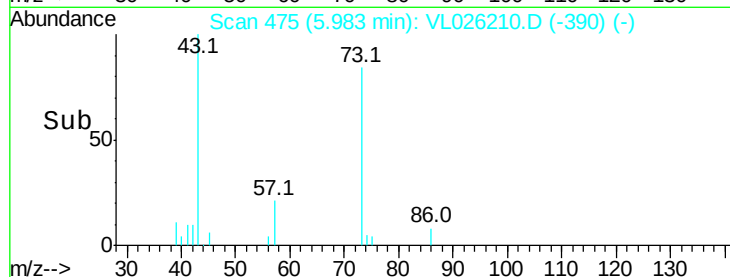


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.11 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

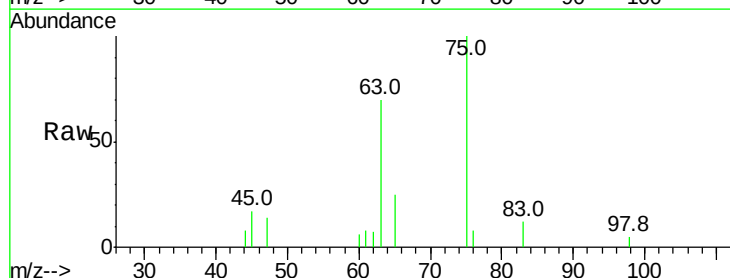
Tgt Ion: 63 Resp: 9986

Ion Ratio Lower Upper

63 100

98 7.5 2.9 8.7

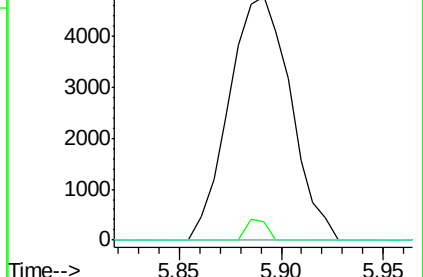
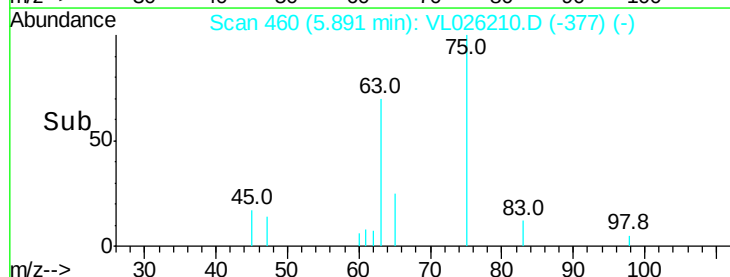
100 0.0 1.8 5.5#

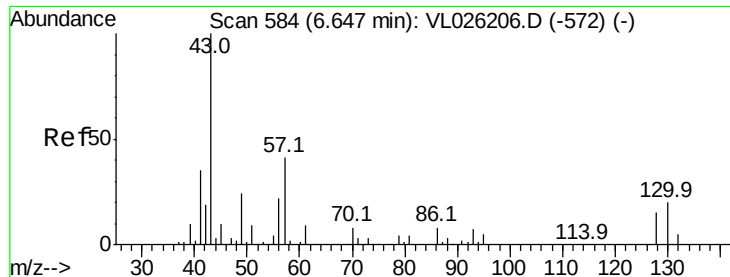


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

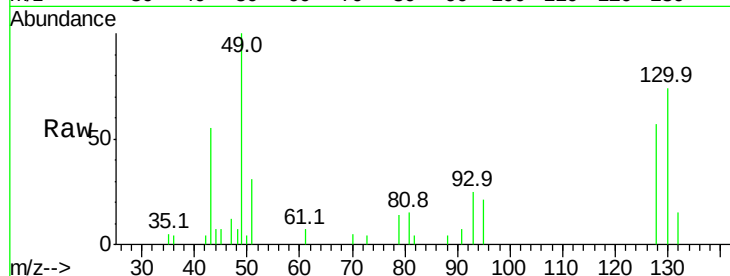




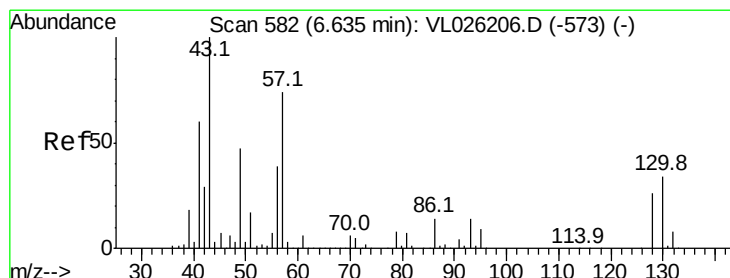
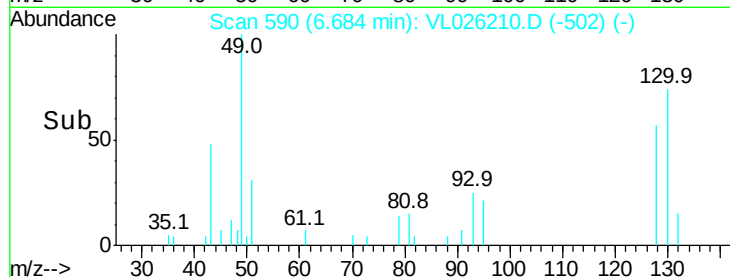
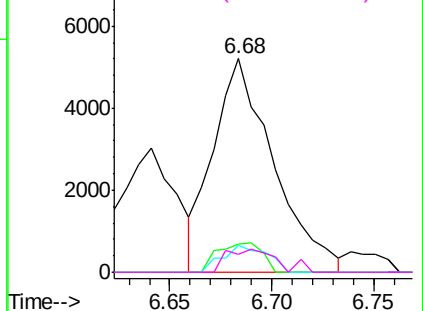
#25
Ethyl Acetate
Concen: 0.08 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.04 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:	43	Resp:	10684
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.5	11.3
61	9.2	7.5	11.3
70	9.2	6.9	10.3

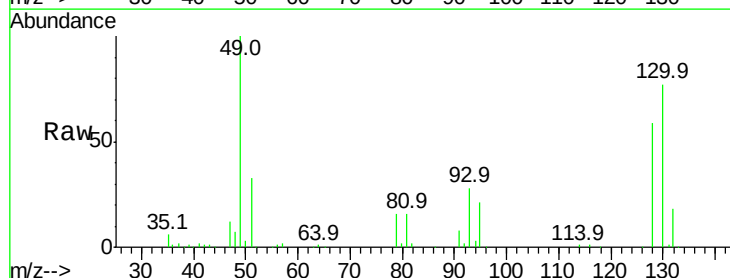


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

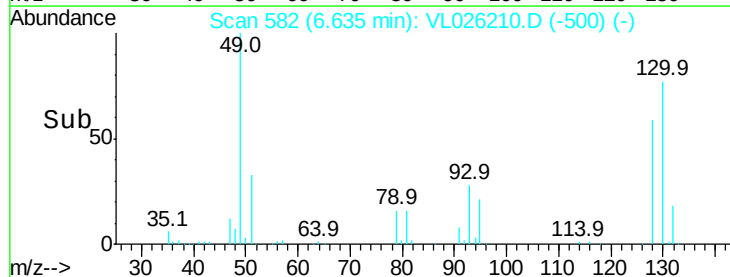
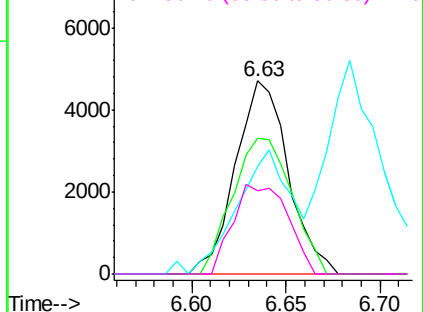


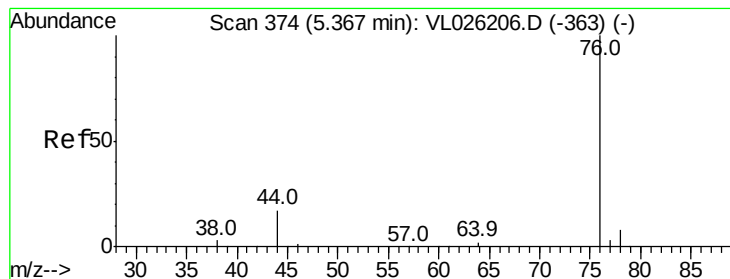
#26
Hexane
Concen: 0.13 ppbv
RT: 6.63 min Scan# 582
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion:	57	Resp:	9133
Ion	Ratio	Lower	Upper
57	100		
41	78.7	67.0	100.6
43	192.7	156.0	234.0
56	48.0	42.1	63.1



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: 0.13 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

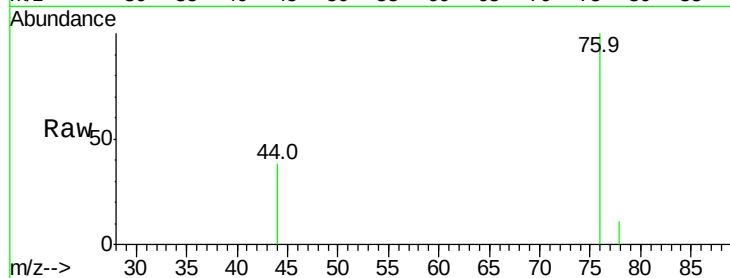
Tgt Ion: 76 Resp: 11118

Ion Ratio Lower Upper

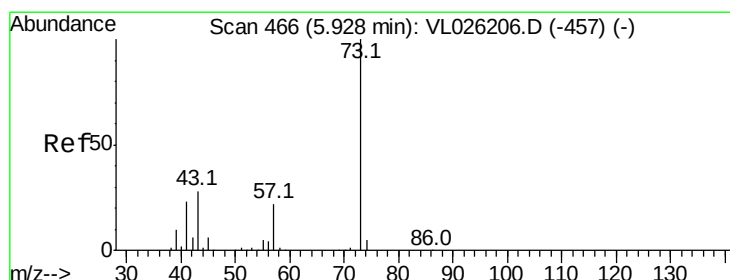
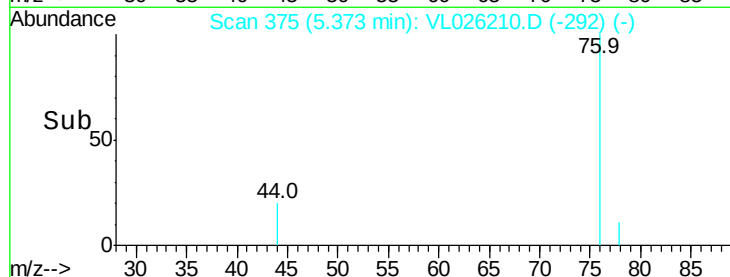
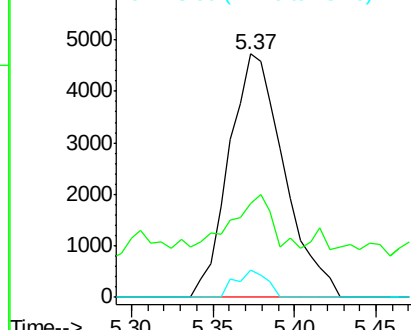
76 100

44 38.7 13.8 20.6#

78 6.4 7.4 11.2#



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: 0.13 ppbv

RT: 5.98 min Scan# 474

Delta R.T. 0.05 min

Lab File: VL026210.D

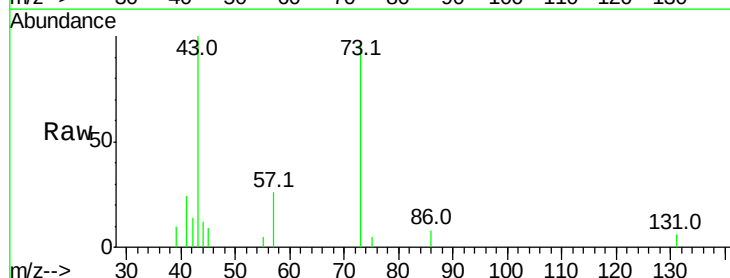
Acq: 20 Oct 2015 13:10

Tgt Ion: 73 Resp: 15274

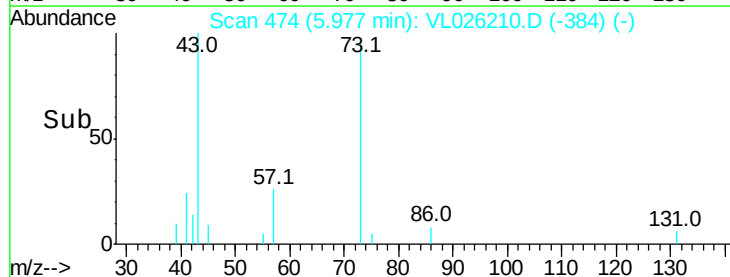
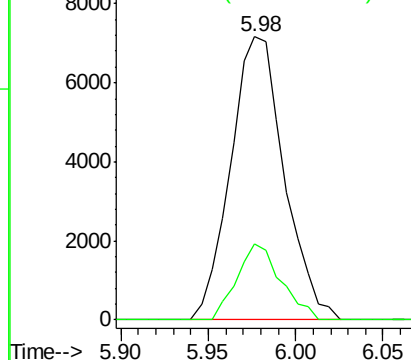
Ion Ratio Lower Upper

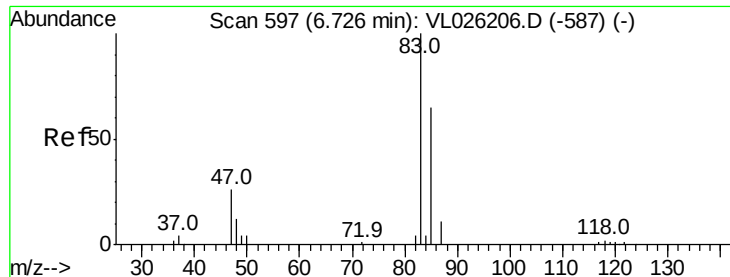
73 100

57 21.8 17.9 26.9



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

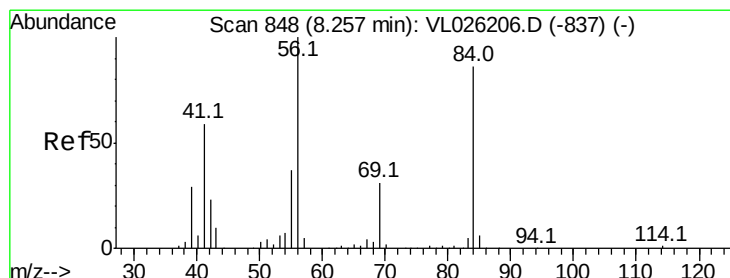
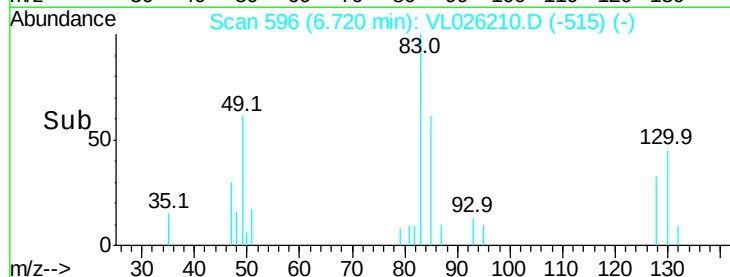
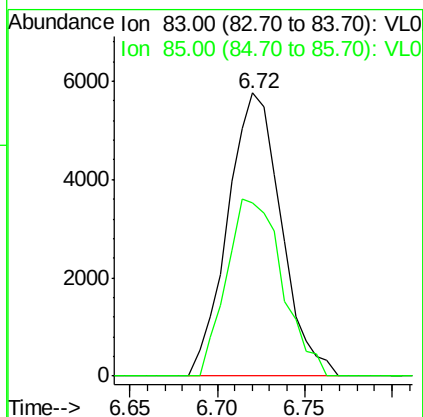
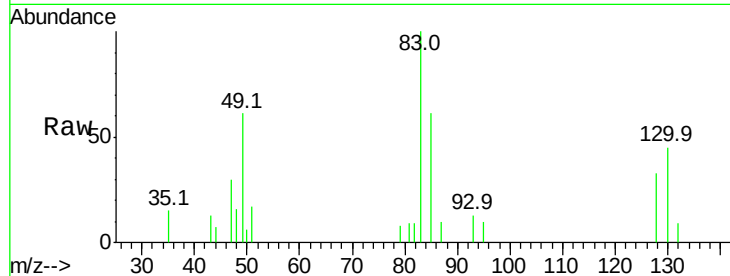




#29
Chloroform
Concen: 0.12 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

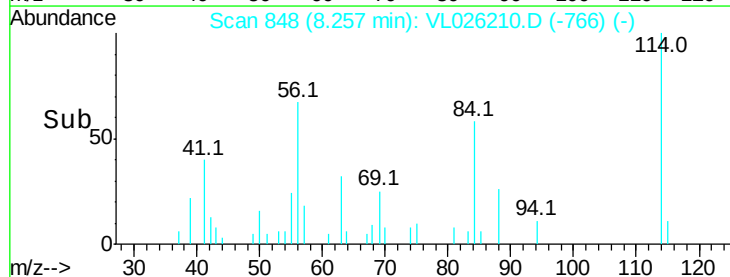
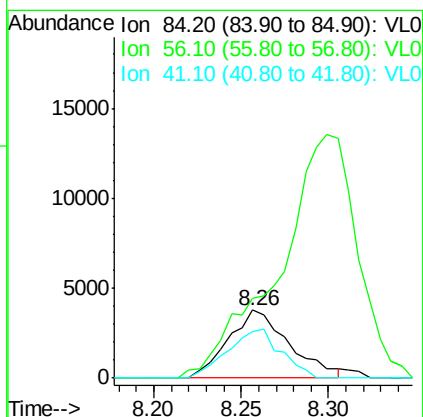
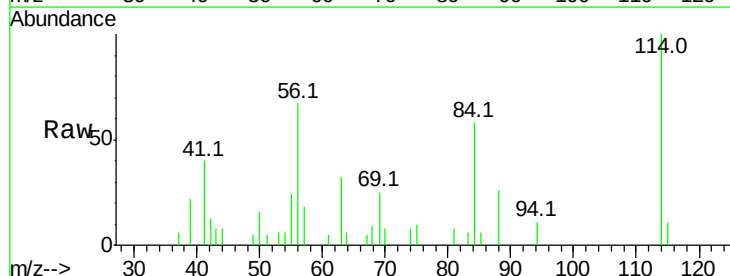
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

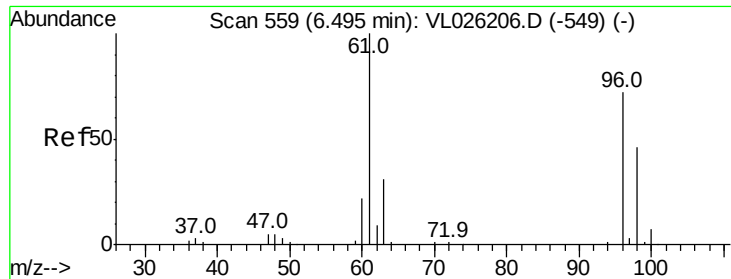
Tgt Ion: 83 Resp: 12266
Ion Ratio Lower Upper
83 100
85 61.0 51.8 77.6



#30
Cyclohexane
Concen: 0.14 ppbv
RT: 8.26 min Scan# 848
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion: 84 Resp: 9107
Ion Ratio Lower Upper
84 100
56 465.8 97.5 146.3#
41 62.8 54.6 81.8





#31

cis-1,2-Dichloroethene

Concen: 0.11 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

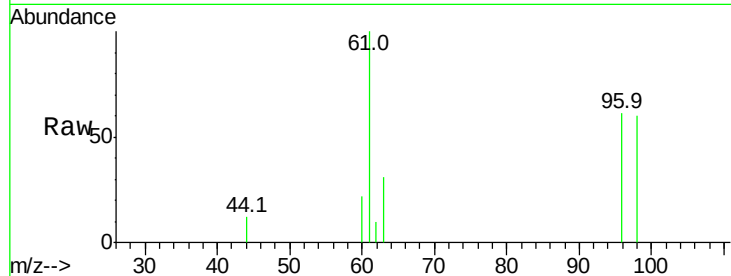
Tgt Ion: 61 Resp: 7013

Ion Ratio Lower Upper

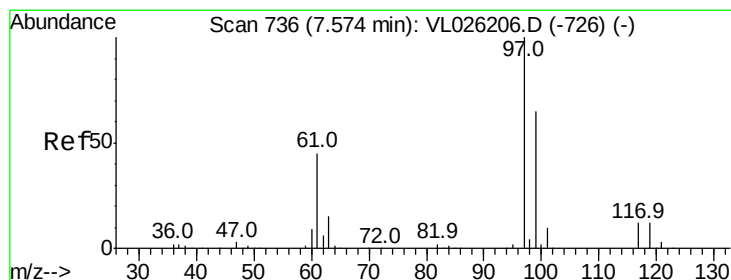
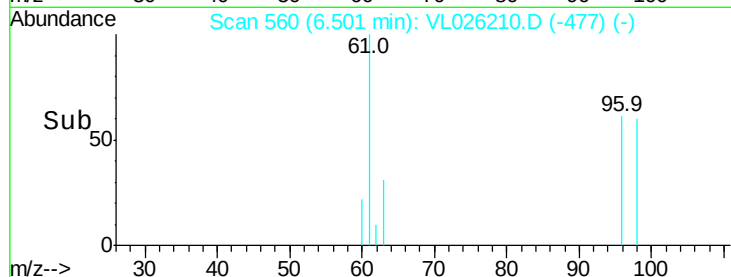
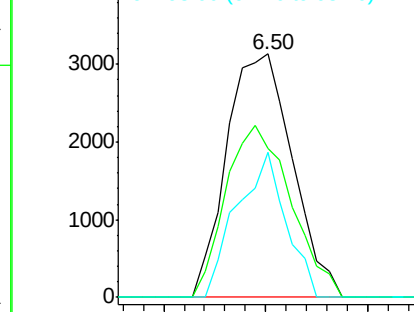
61 100

96 61.4 57.9 86.9

98 59.6 37.2 55.8#



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: 0.13 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

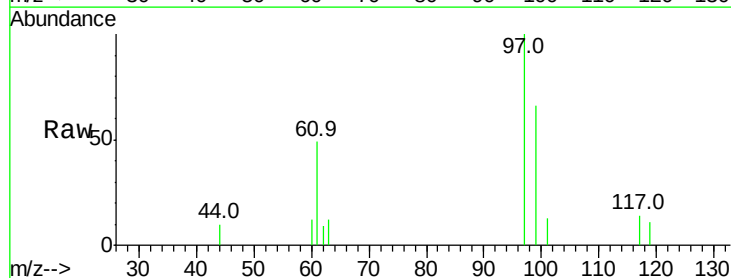
Tgt Ion: 97 Resp: 12529

Ion Ratio Lower Upper

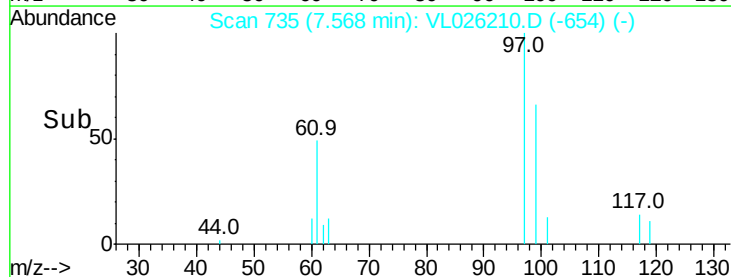
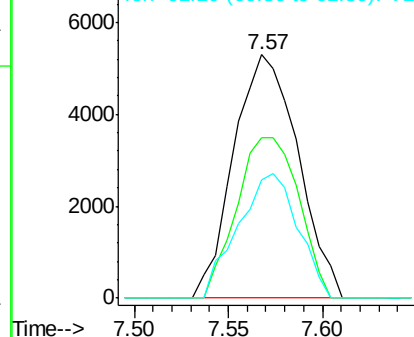
97 100

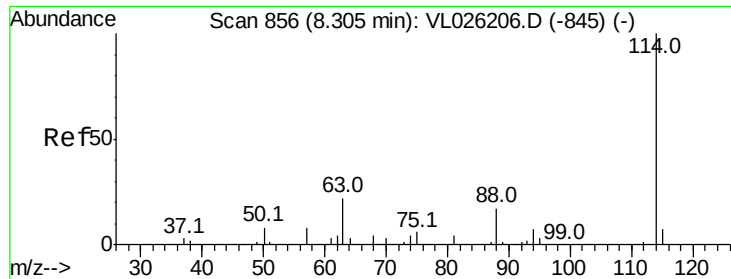
99 63.7 51.4 77.2

61 47.6 36.0 54.0



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

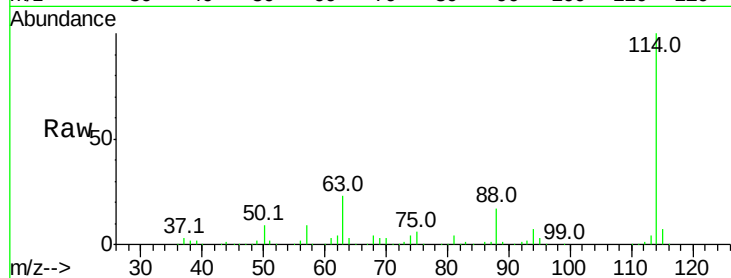




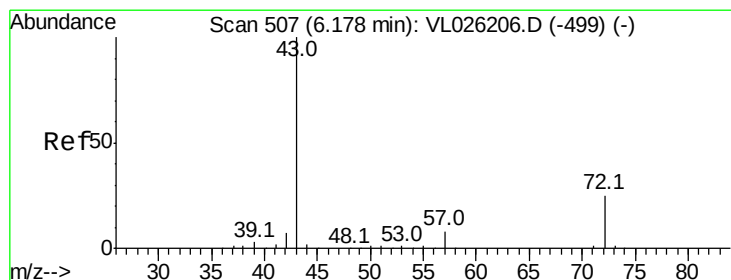
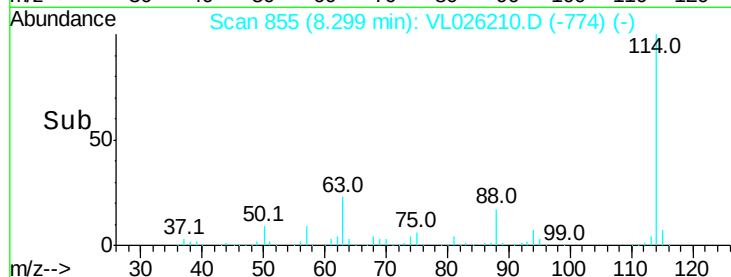
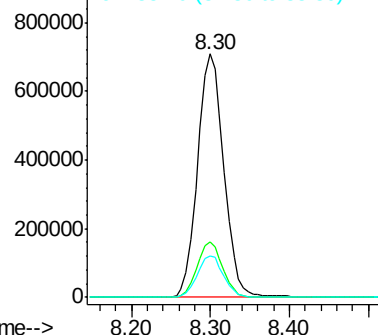
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 114 Resp: 1641175
 Ion Ratio Lower Upper
 114 100
 63 22.4 17.9 26.9
 88 17.1 13.6 20.4

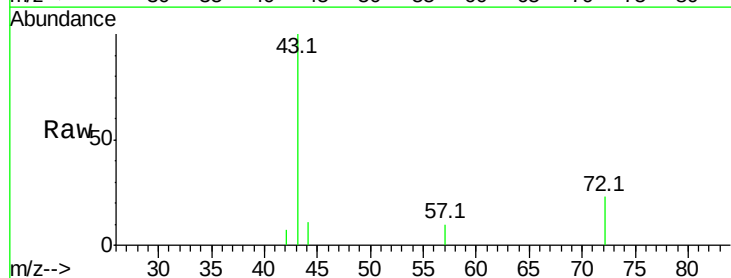


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

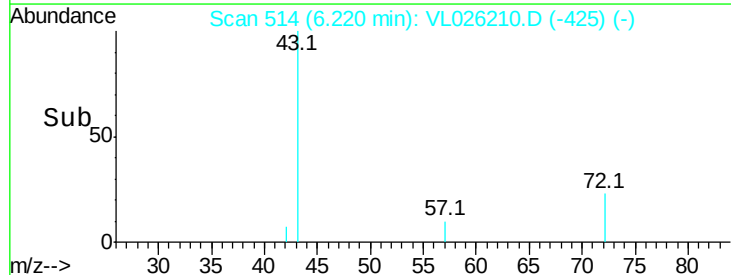
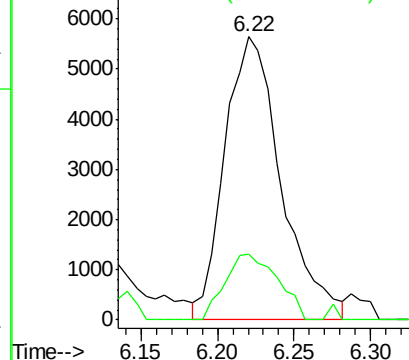


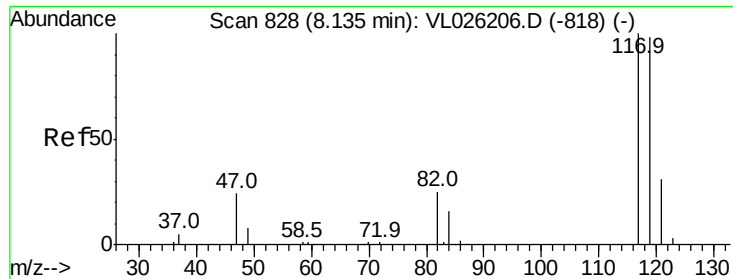
#34
 2-Butanone
 Concen: 0.16 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.04 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion: 43 Resp: 14482
 Ion Ratio Lower Upper
 43 100
 72 22.5 20.2 30.4



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





#35

Carbon Tetrachloride

Concen: 0.13 ppbv

RT: 8.13 min Scan# 828

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

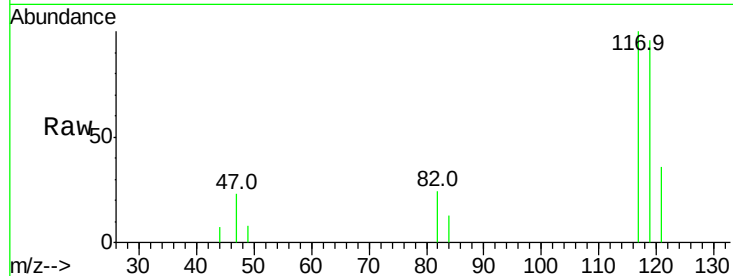
Tgt Ion:117 Resp: 13985

Ion Ratio Lower Upper

117 100

119 96.4 78.3 117.5

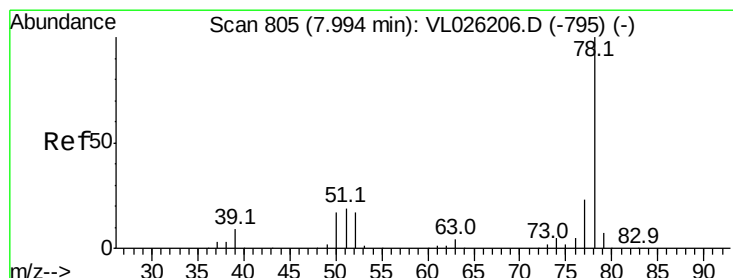
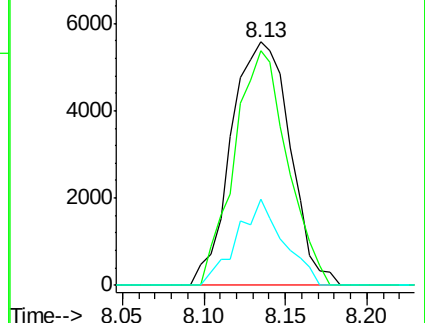
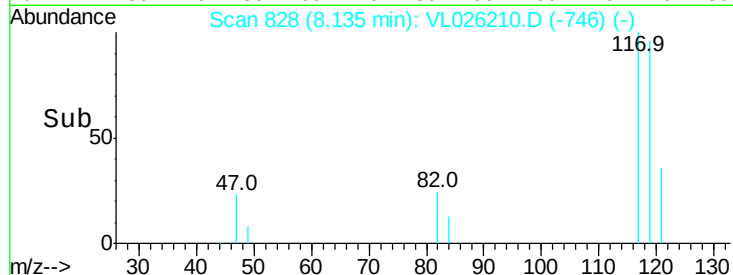
121 35.5 25.0 37.6



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: 0.12 ppbv

RT: 7.99 min Scan# 805

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

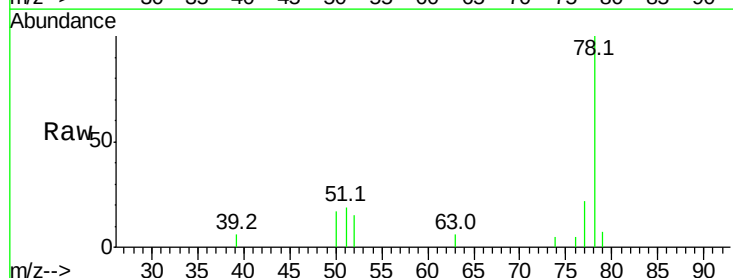
Tgt Ion: 78 Resp: 19188

Ion Ratio Lower Upper

78 100

77 22.3 18.1 27.1

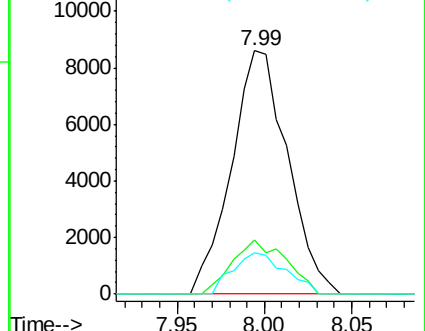
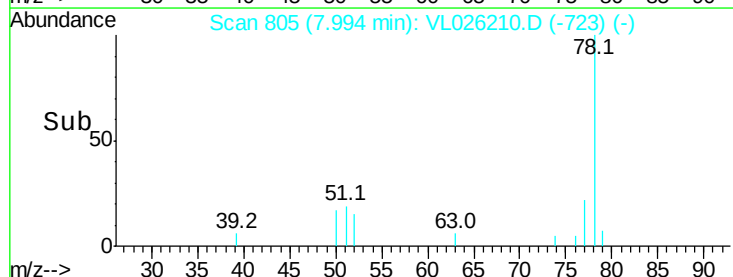
50 17.1 13.4 20.0

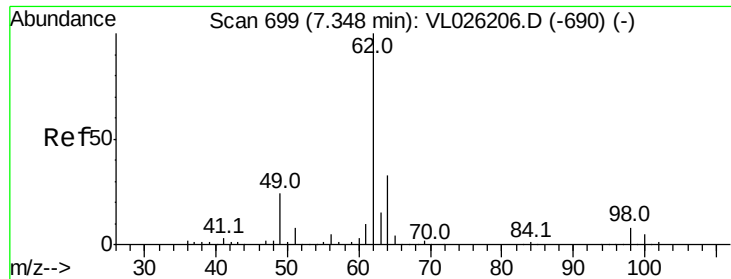


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

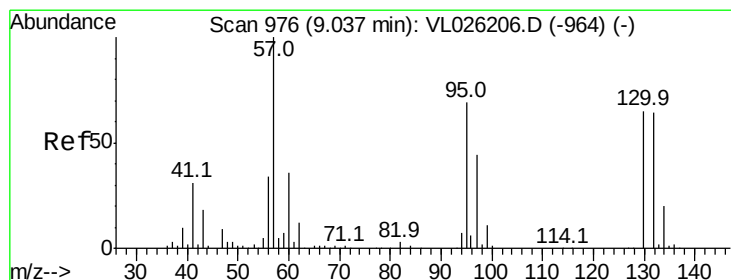
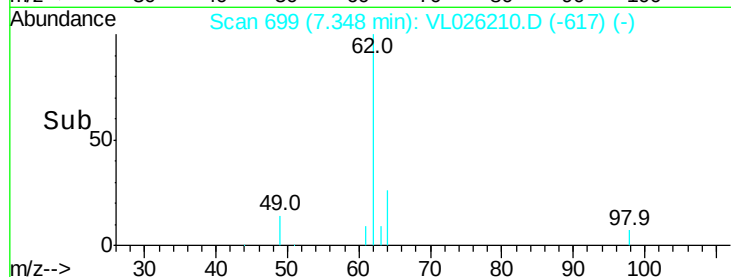
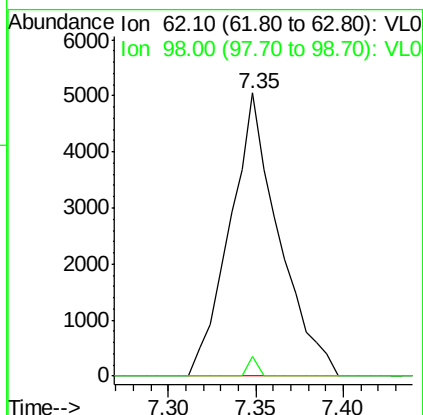
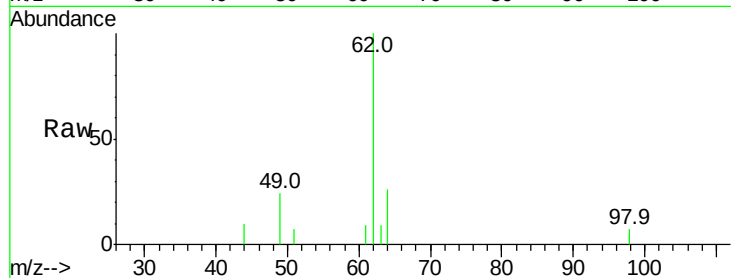




#37
 1,2-Dichloroethane
 Concen: 0.12 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

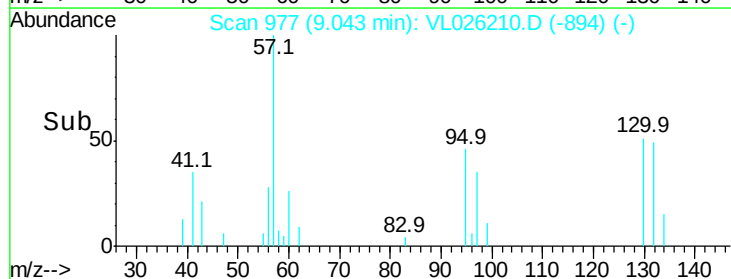
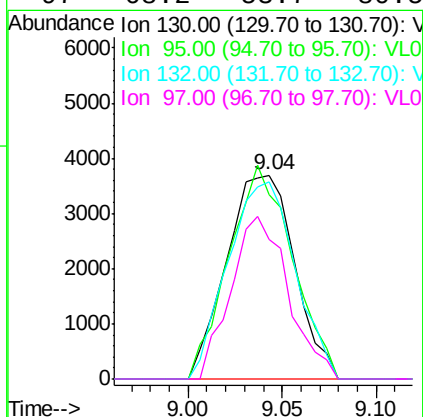
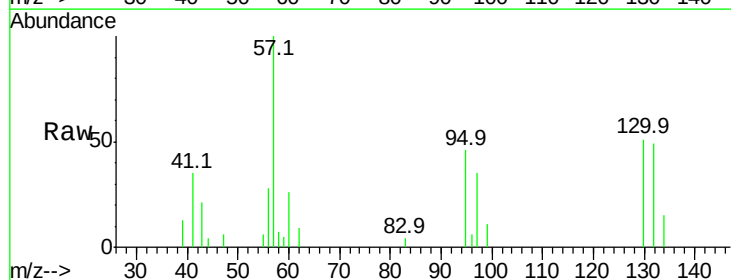
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

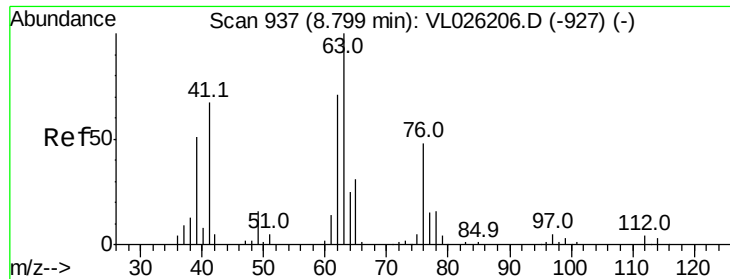
Tgt Ion: 62 Resp: 9818
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#38
 Trichloroethene
 Concen: 0.13 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion:130 Resp: 9247
 Ion Ratio Lower Upper
 130 100
 95 90.5 84.2 126.2
 132 96.3 78.5 117.7
 97 68.2 53.7 80.5

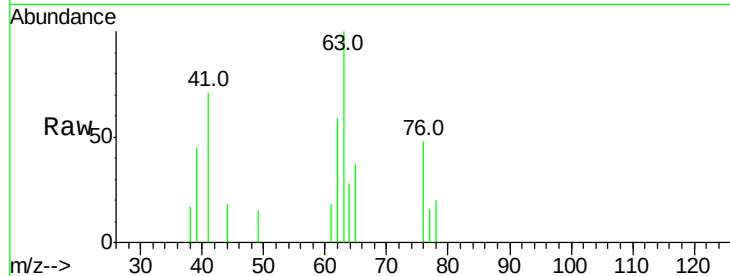




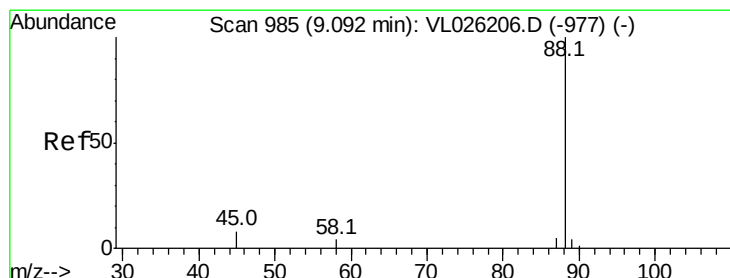
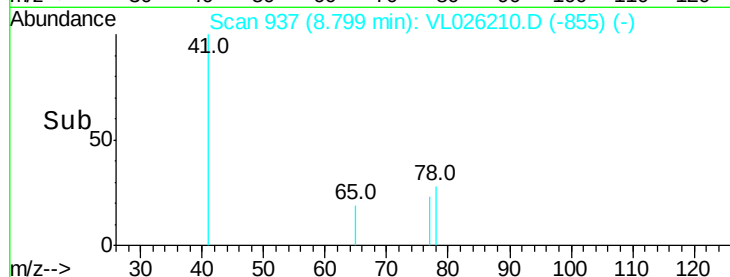
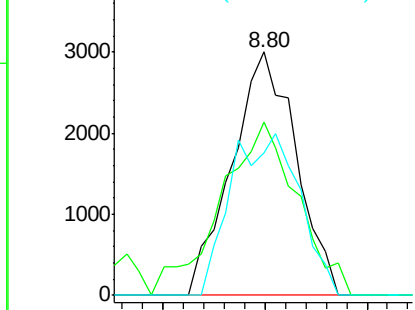
#39
 1,2-Dichloropropane
 Concen: 0.11 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 63 Resp: 6562
 Ion Ratio Lower Upper
 63 100
 41 58.3 54.0 81.0
 62 58.7 56.7 85.1

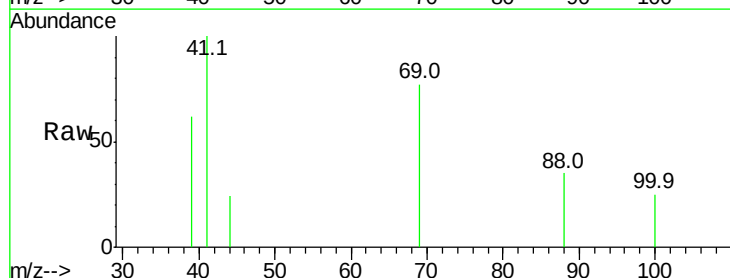


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

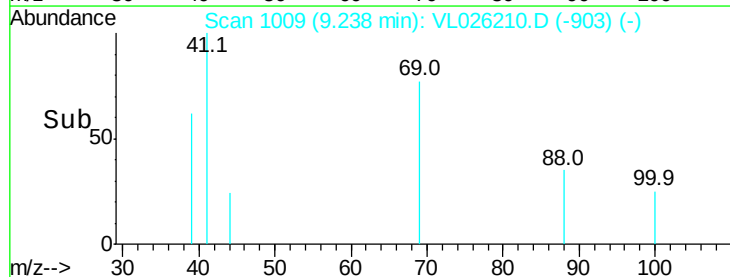
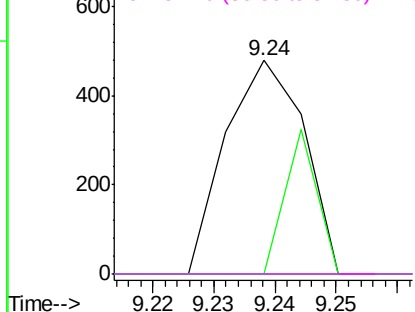


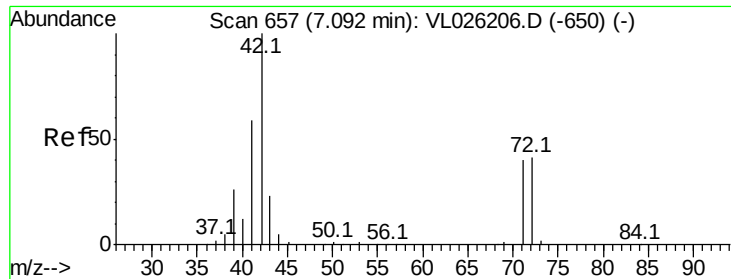
#40
 1,4-Dioxane
 Concen: 0.04 ppbv
 RT: 9.24 min Scan# 1009
 Delta R.T. 0.15 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion: 88 Resp: 423
 Ion Ratio Lower Upper
 88 100
 58 0.0 115.9 173.9#
 43 2905.9 279.4 419.0#
 57 1539.0 1404.1 2106.1



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.11 ppbv

RT: 7.17 min Scan# 669

Delta R.T. 0.07 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

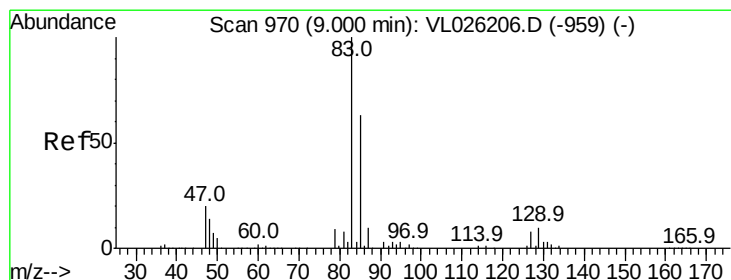
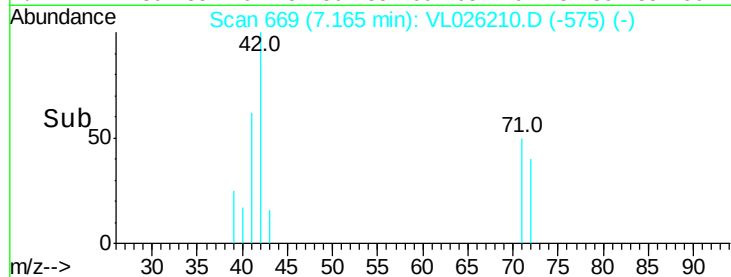
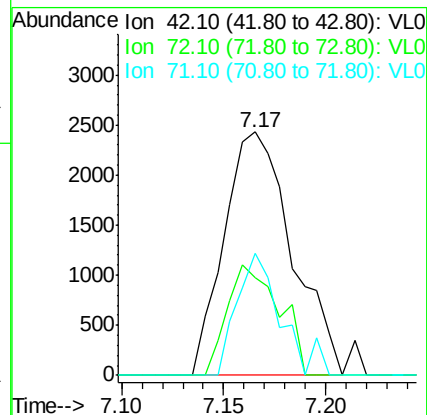
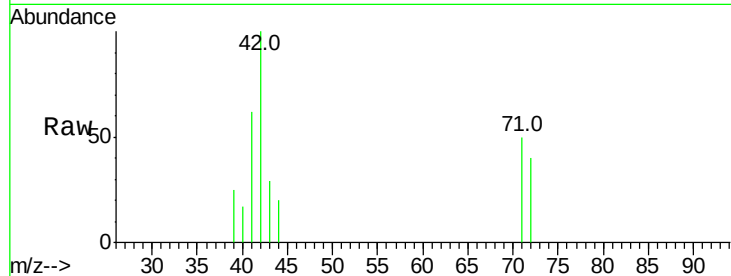
Tgt Ion: 42 Resp: 5643

Ion Ratio Lower Upper

42 100

72 34.7 33.8 50.6

71 32.1 32.3 48.5#



#42

Bromodichloromethane

Concen: 0.12 ppbv

RT: 9.00 min Scan# 970

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

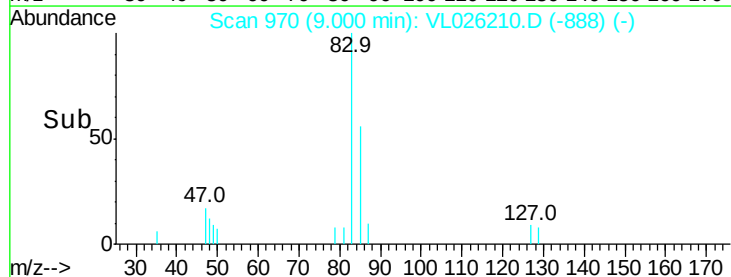
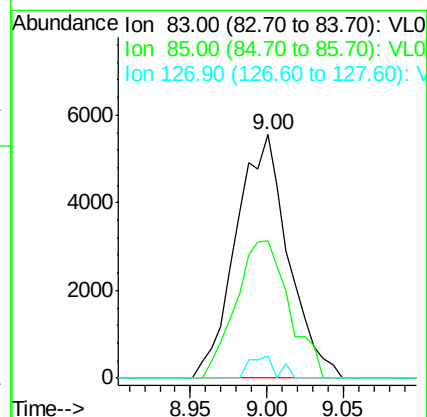
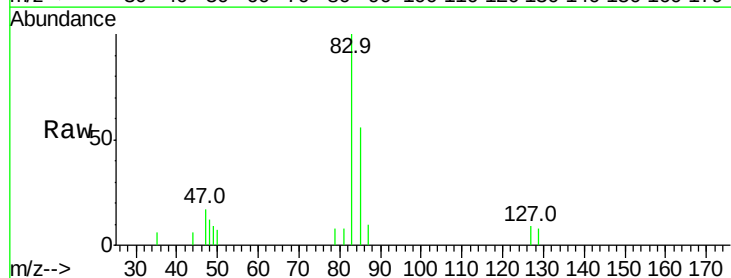
Tgt Ion: 83 Resp: 13181

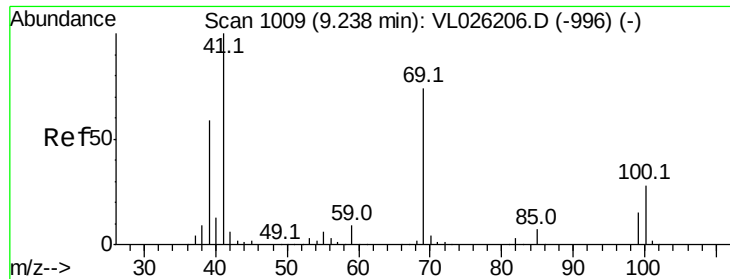
Ion Ratio Lower Upper

83 100

85 56.5 50.6 75.8

127 9.3 6.5 9.7

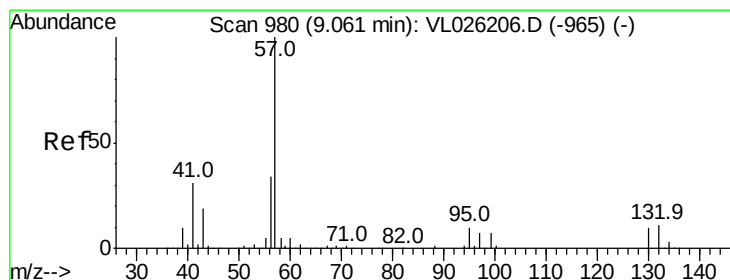
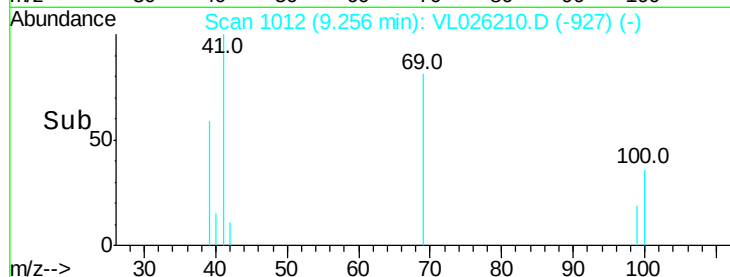
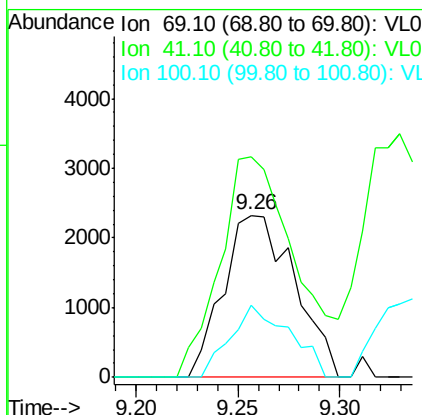
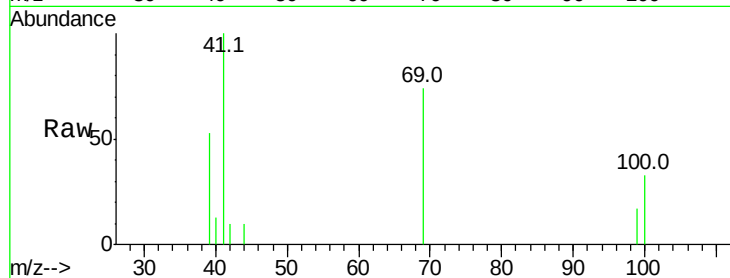




#43
Methyl Methacrylate
Concen: 0.10 ppbv
RT: 9.26 min Scan# 1012
Delta R.T. 0.02 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

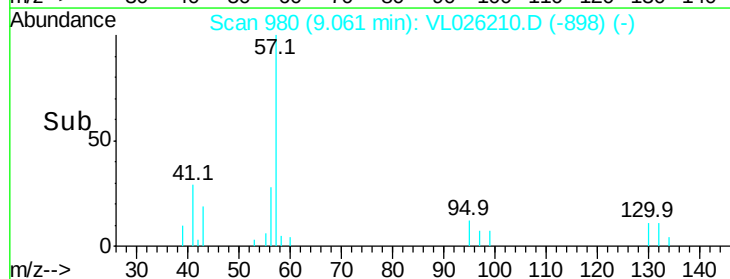
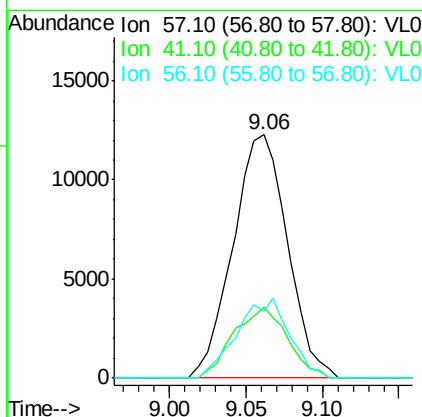
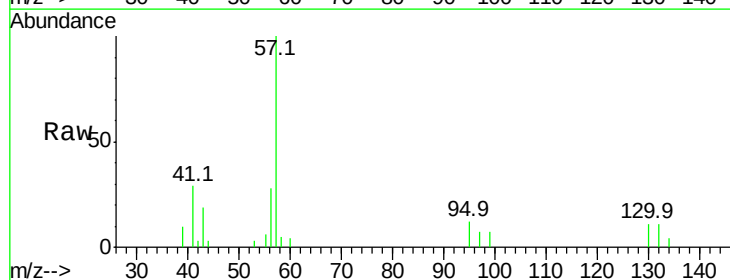
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

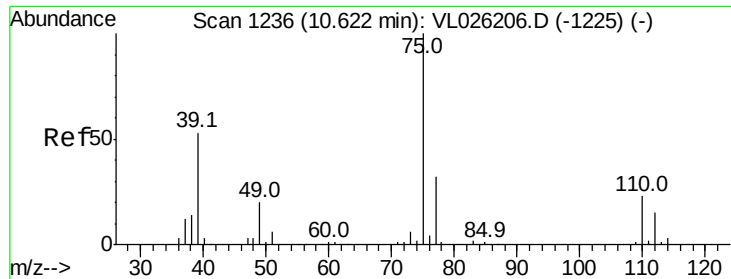
Tgt Ion: 69 Resp: 5650
Ion Ratio Lower Upper
69 100
41 144.7 109.0 163.4
100 37.1 31.0 46.6



#44
2,2,4-Trimethylpentane
Concen: 0.12 ppbv
RT: 9.06 min Scan# 980
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion: 57 Resp: 30403
Ion Ratio Lower Upper
57 100
41 28.9 24.0 36.0
56 31.4 26.6 39.8





#45

t-1,3-Dichloropropene

Concen: 0.11 ppbv

RT: 10.63 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

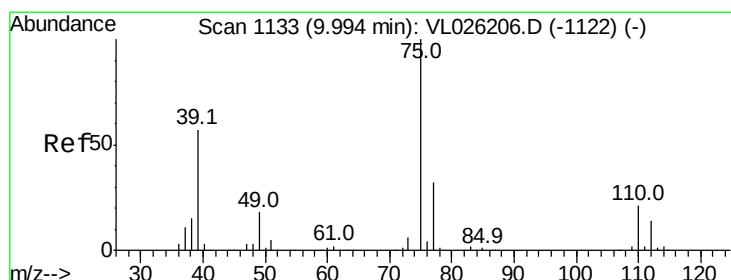
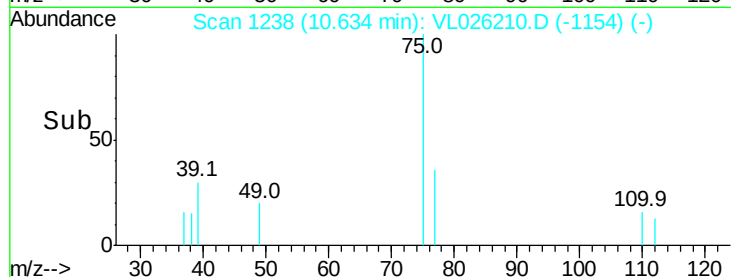
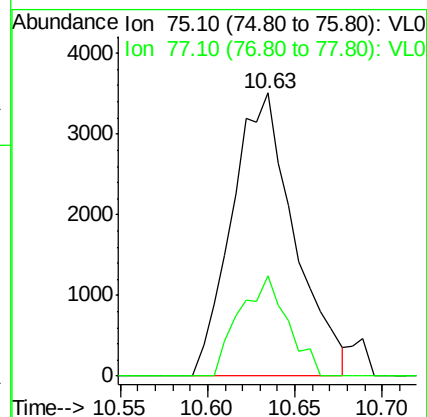
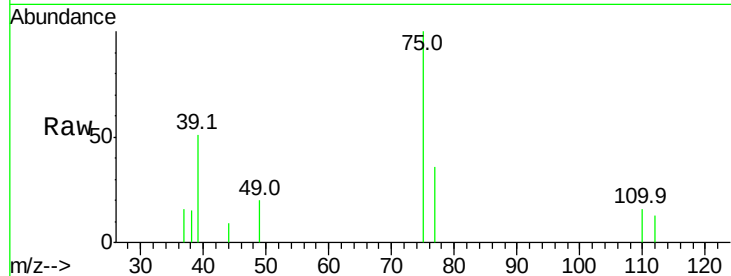
VSTDIC0.1

Tgt Ion: 75 Resp: 8743

Ion Ratio Lower Upper

75 100

77 35.6 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 0.11 ppbv

RT: 10.00 min Scan# 1134

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

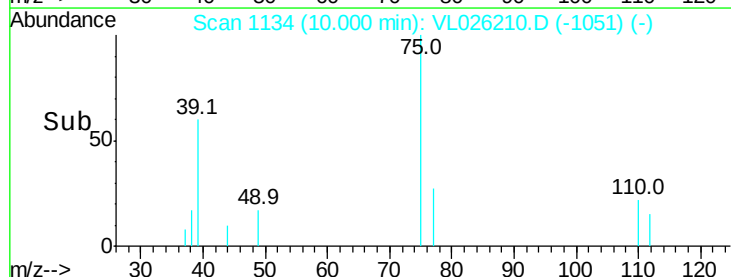
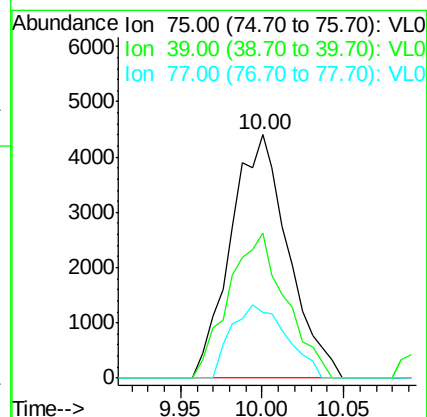
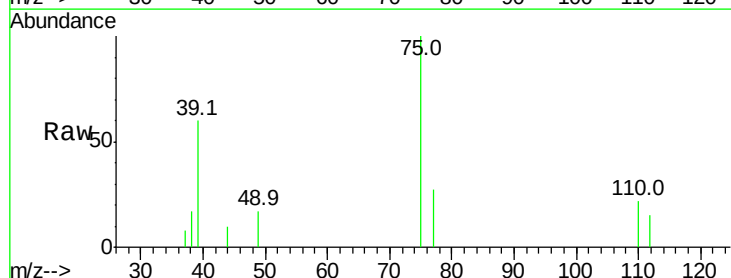
Tgt Ion: 75 Resp: 10790

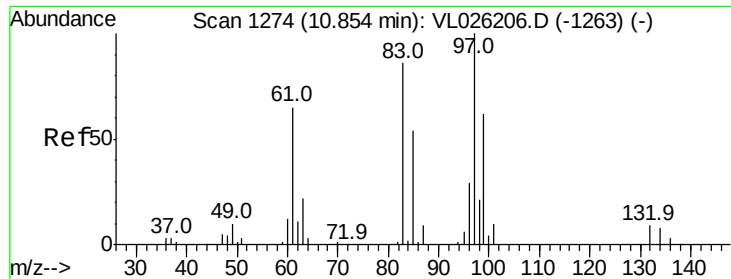
Ion Ratio Lower Upper

75 100

39 59.6 45.3 67.9

77 27.2 25.3 37.9

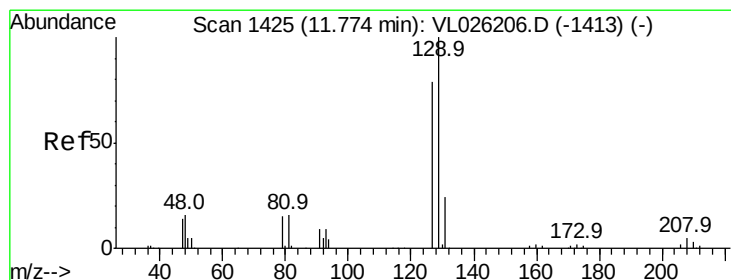
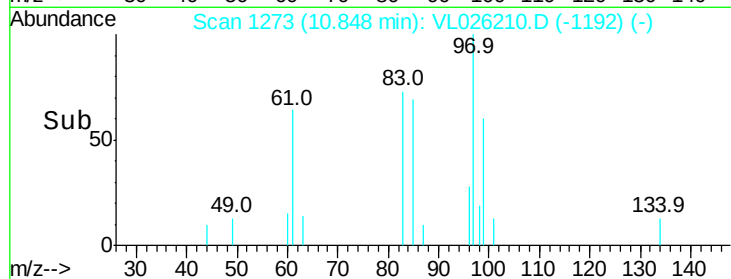
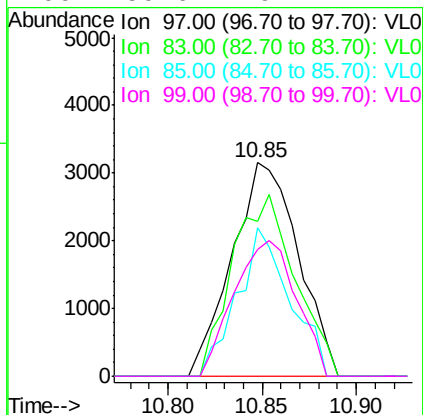
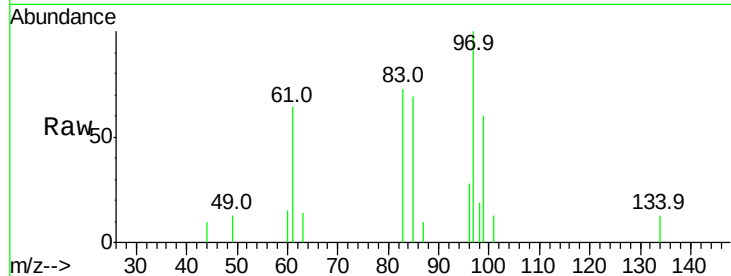




#47
 1,1,2-Trichloroethane
 Concen: 0.11 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

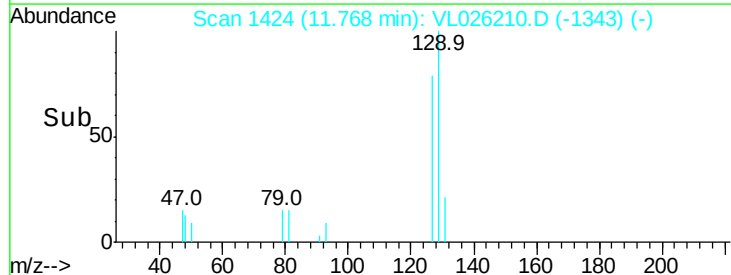
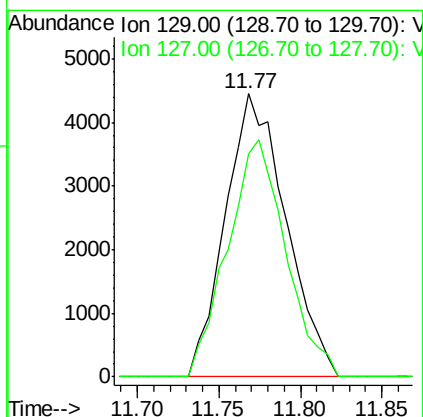
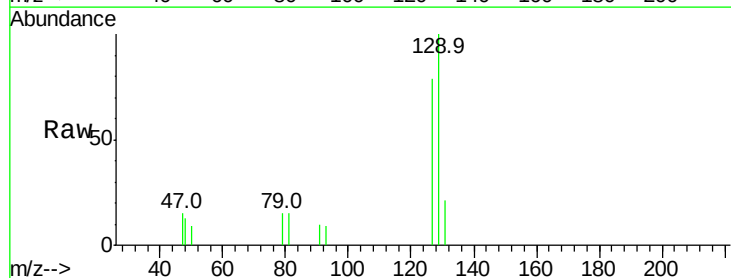
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

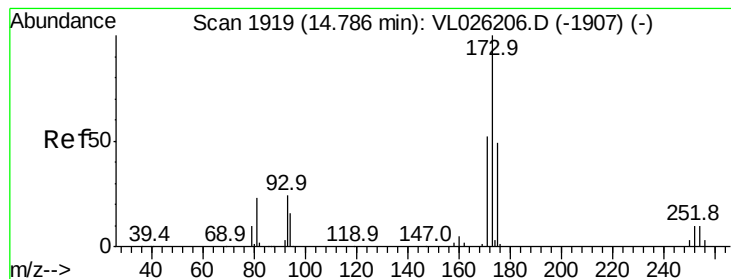
Tgt Ion: 97 Resp: 7666
 Ion Ratio Lower Upper
 97 100
 83 72.5 68.6 103.0
 85 69.4 43.5 65.3#
 99 59.6 49.4 74.2



#48
 Dibromochloromethane
 Concen: 0.11 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion: 129 Resp: 11482
 Ion Ratio Lower Upper
 129 100
 127 80.6 39.2 117.6





#49

Bromoform

Concen: 0.11 ppbv

RT: 14.78 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

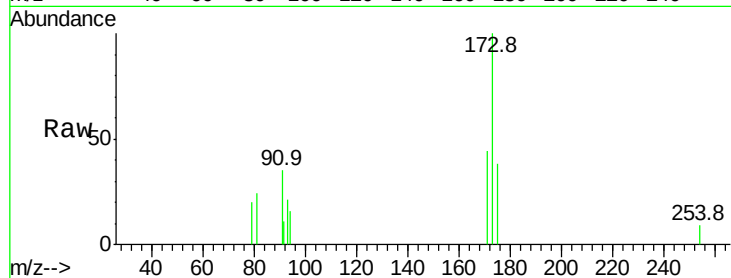
Tgt Ion:173 Resp: 8705

Ion Ratio Lower Upper

173 100

175 45.4 38.7 58.1

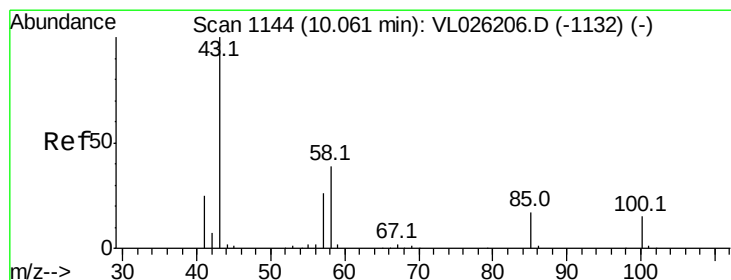
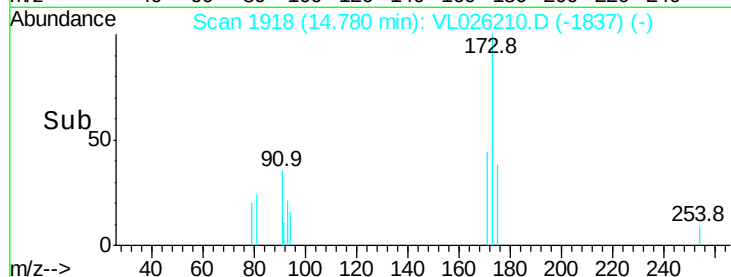
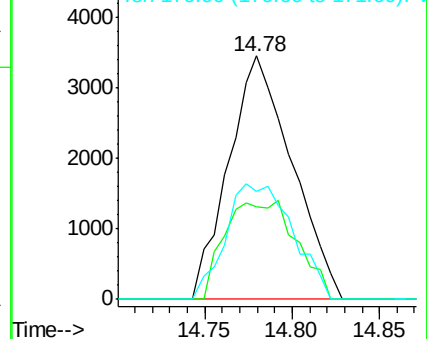
171 50.1 41.4 62.0



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: 0.11 ppbv

RT: 10.11 min Scan# 1152

Delta R.T. 0.05 min

Lab File: VL026210.D

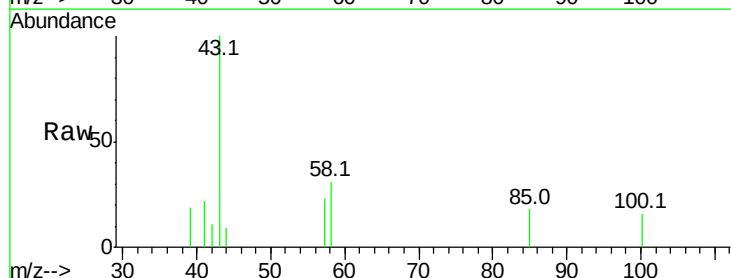
Acq: 20 Oct 2015 13:10

Tgt Ion: 43 Resp: 13381

Ion Ratio Lower Upper

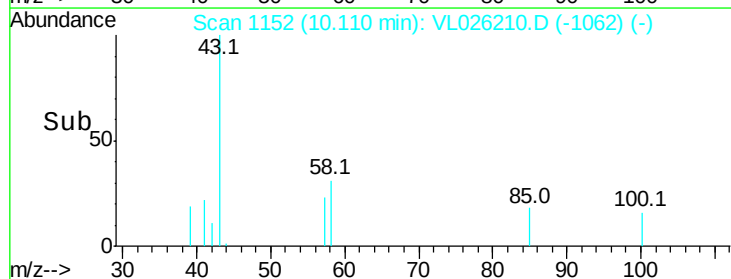
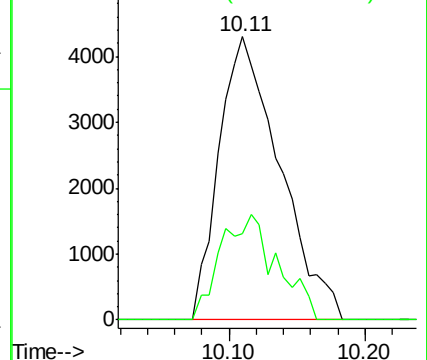
43 100

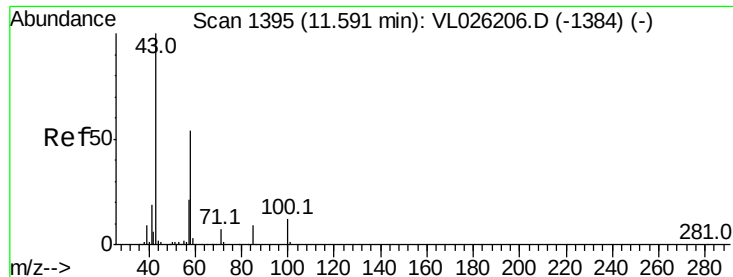
58 34.6 31.3 46.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.10 ppbv

RT: 11.63 min Scan# 1402

Delta R.T. 0.04 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

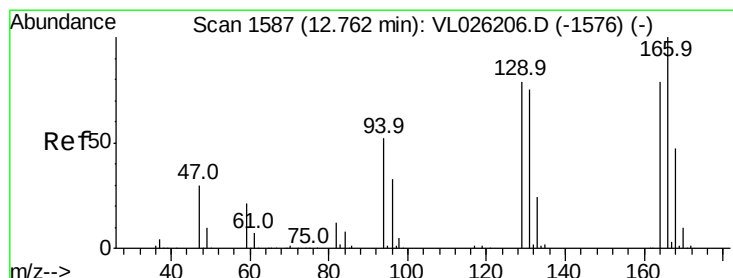
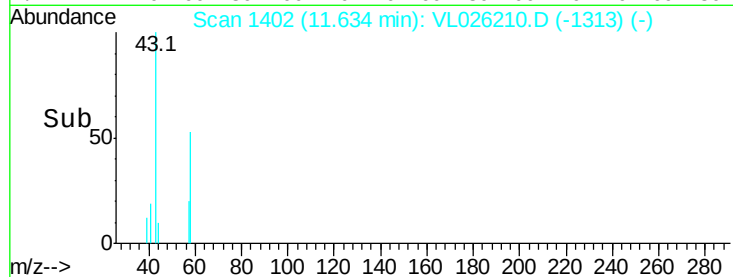
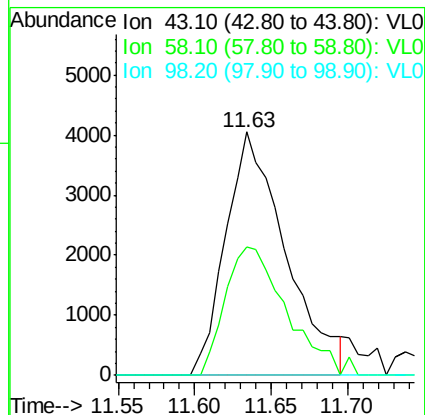
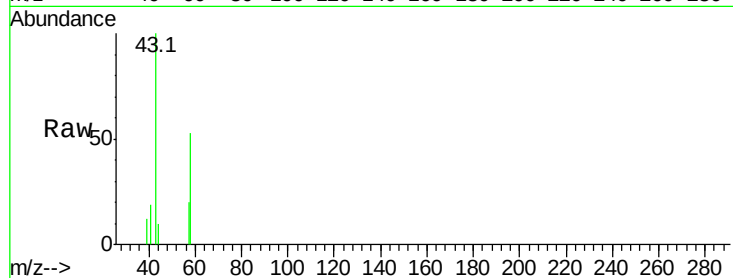
Tgt Ion: 43 Resp: 11041

Ion Ratio Lower Upper

43 100

58 54.3 43.9 65.9

98 0.0 0.1 0.1#



#52

Tetrachloroethene

Concen: 0.14 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Tgt Ion: 164 Resp: 11145

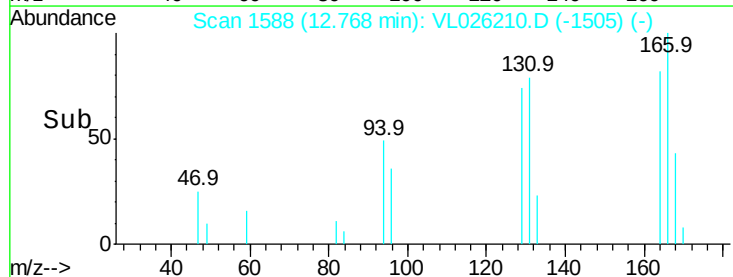
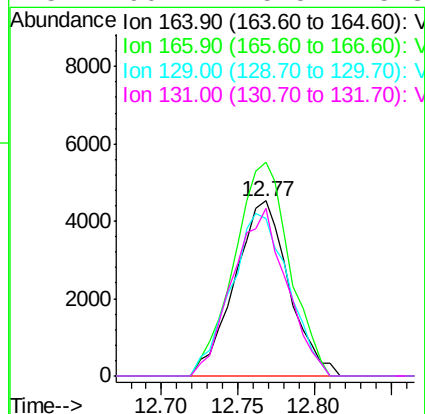
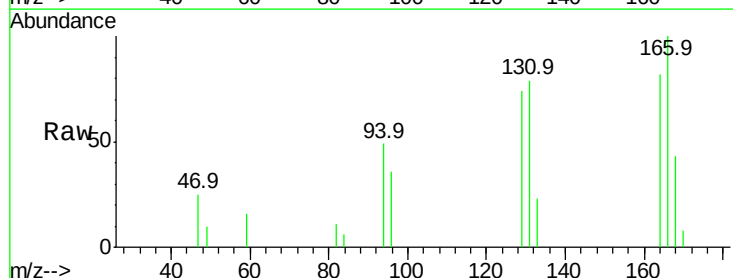
Ion Ratio Lower Upper

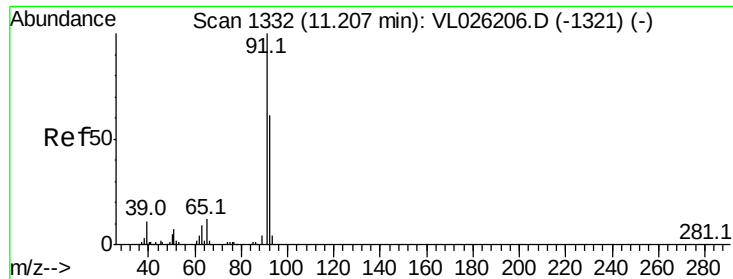
164 100

166 122.1 100.9 151.3

129 89.9 79.7 119.5

131 96.1 75.5 113.3





#53

Toluene

Concen: 0.13 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

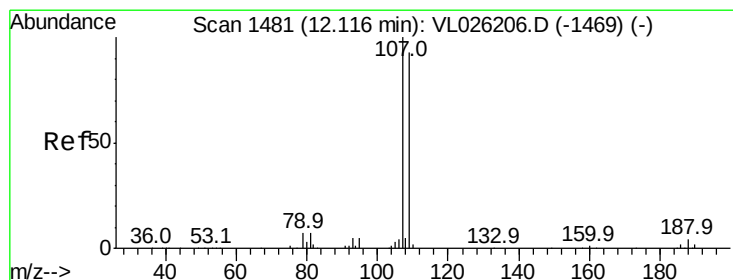
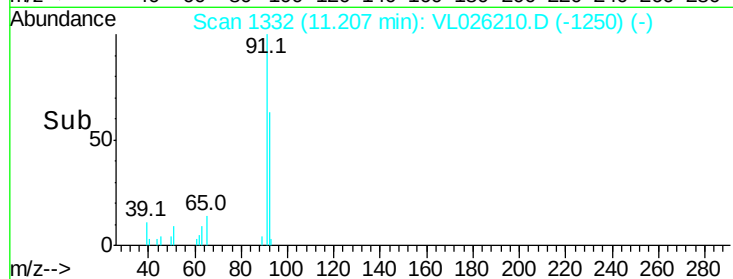
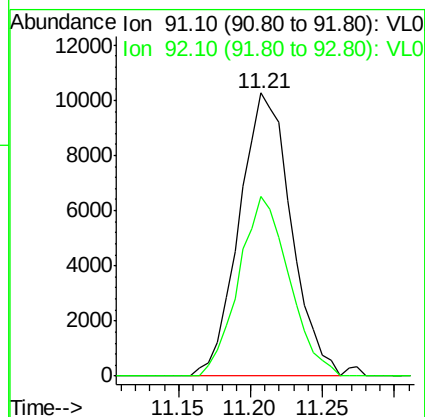
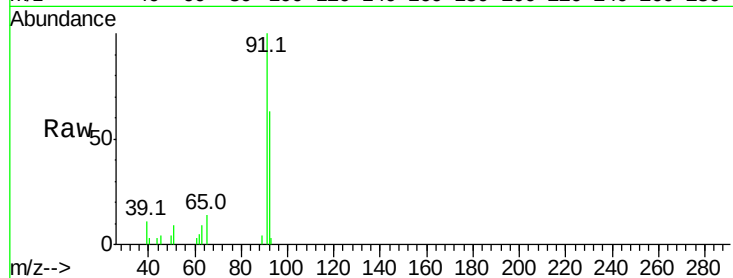
VSTDIC0.1

Tgt Ion: 91 Resp: 25673

Ion Ratio Lower Upper

91 100

92 61.7 49.0 73.6



#54

1,2-Dibromoethane

Concen: 0.12 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VL026210.D

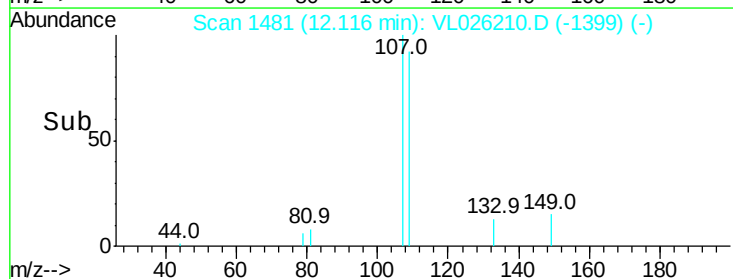
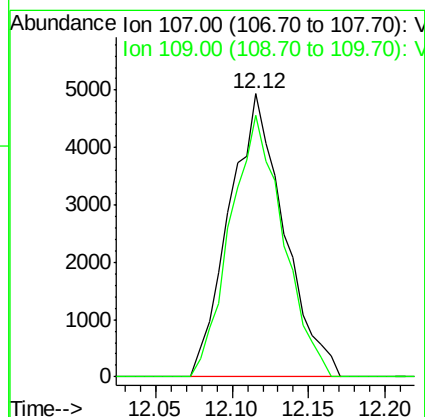
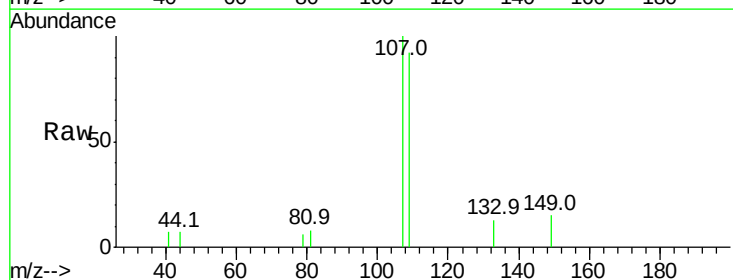
Acq: 20 Oct 2015 13:10

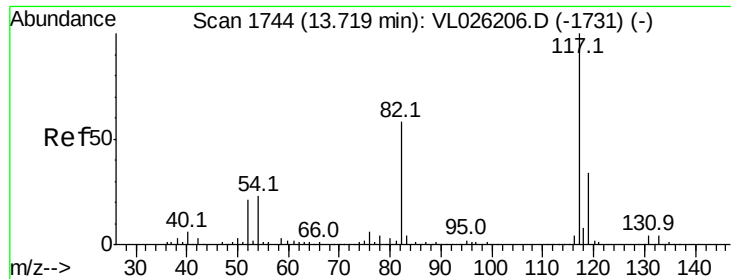
Tgt Ion: 107 Resp: 12283

Ion Ratio Lower Upper

107 100

109 92.4 74.6 112.0

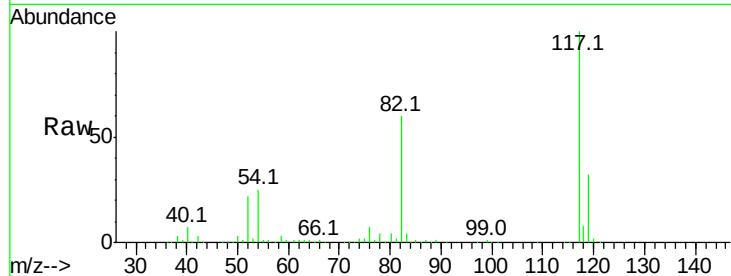




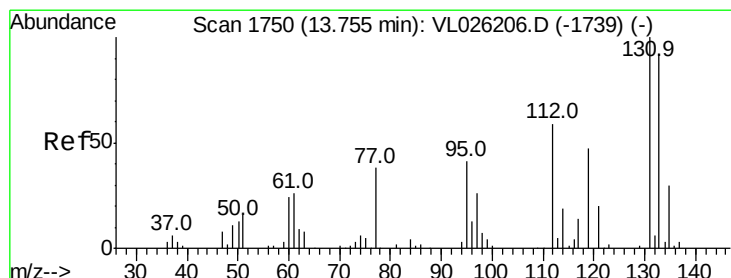
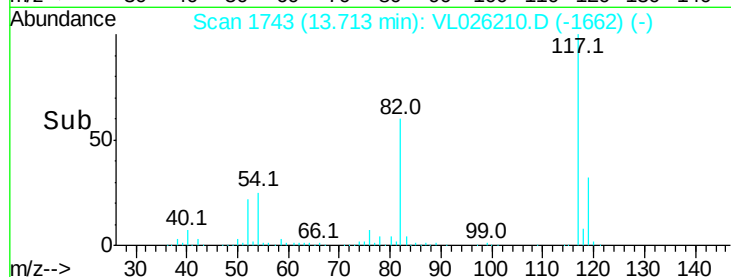
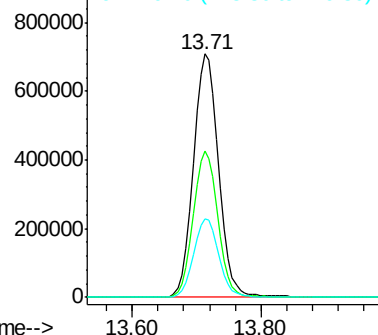
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:117 Resp: 1962061
Ion Ratio Lower Upper
117 100
82 59.6 46.3 69.5
119 32.8 45.0 67.4#

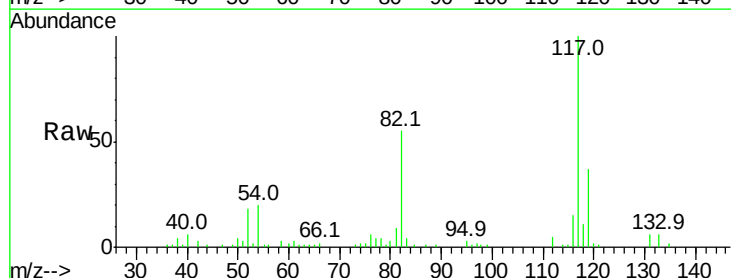


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

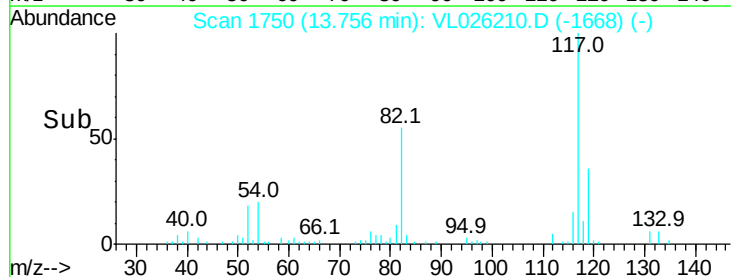
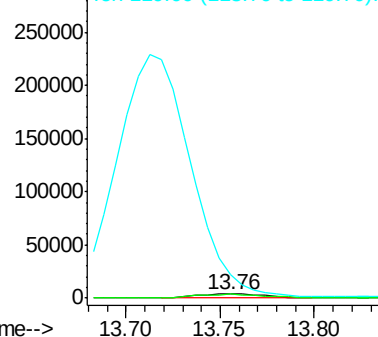


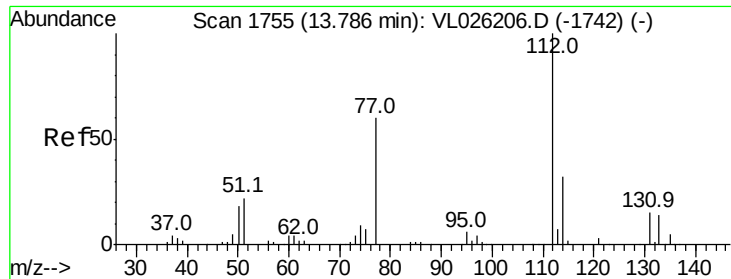
#56
1,1,1,2-Tetrachloroethane
Concen: 0.12 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion:131 Resp: 9829
Ion Ratio Lower Upper
131 100
133 94.4 76.1 114.1
119 6539.5 109.4 164.2#



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

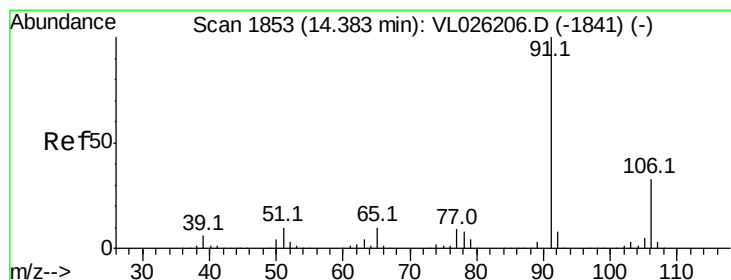
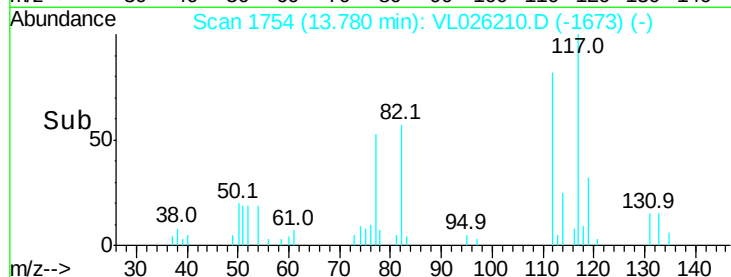
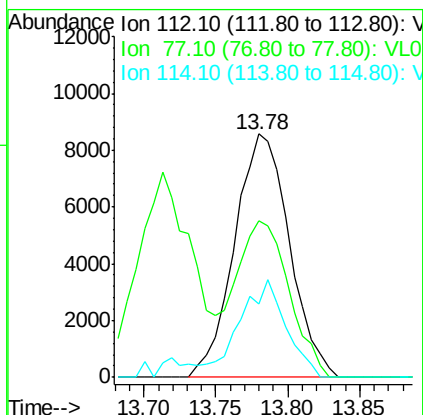
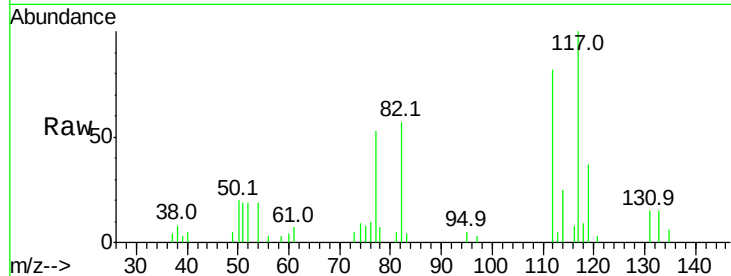




#57
Chlorobenzene
Concen: 0.13 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

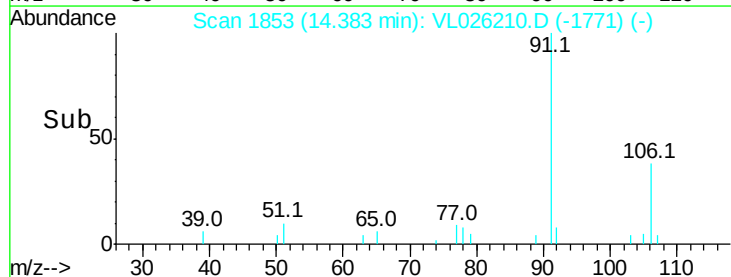
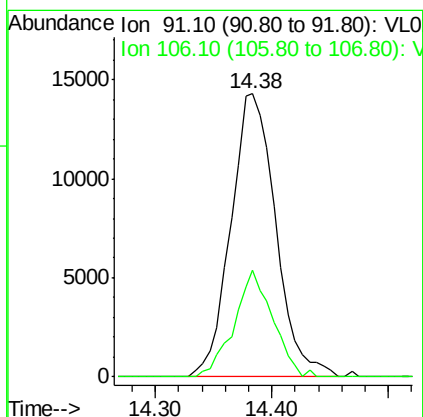
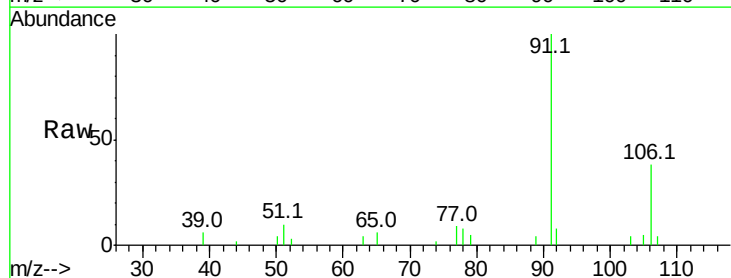
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

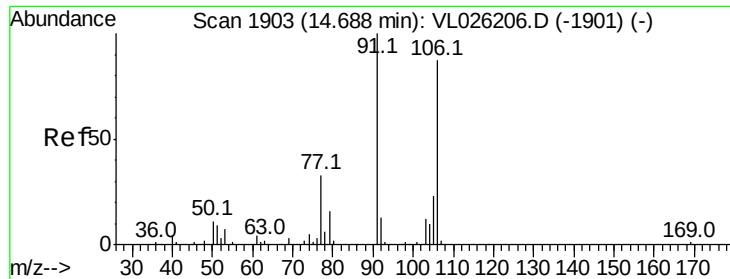
Tgt Ion: 112 Resp: 22663
Ion Ratio Lower Upper
112 100
77 64.4 48.2 72.4
114 30.3 29.0 35.4



#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 14.38 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion: 91 Resp: 38370
Ion Ratio Lower Upper
91 100
106 37.5 26.2 39.2





#59

m/p-Xylene

Concen: 0.06 ppbv

RT: 14.68 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

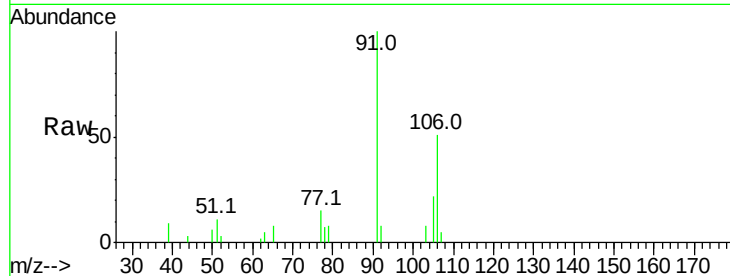
VSTDIC0.1

Tgt Ion: 91 Resp: 13558

Ion Ratio Lower Upper

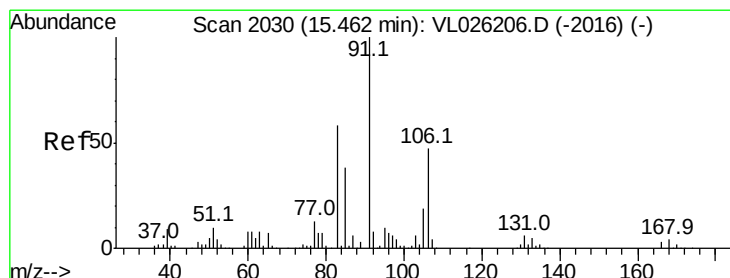
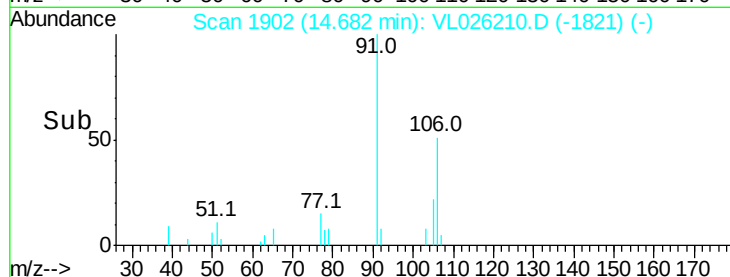
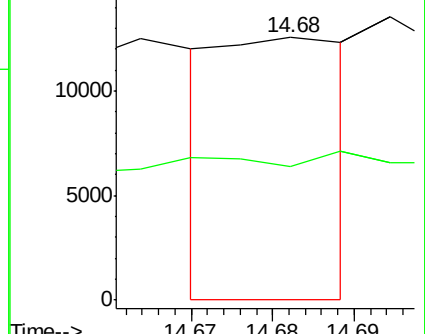
91 100

106 220.4 40.6 60.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.13 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. -0.01 min

Lab File: VL026210.D

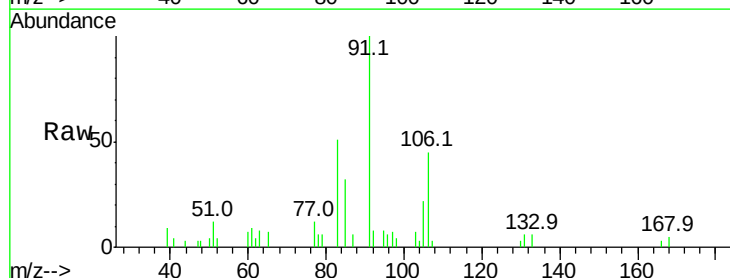
Acq: 20 Oct 2015 13:10

Tgt Ion: 91 Resp: 32400

Ion Ratio Lower Upper

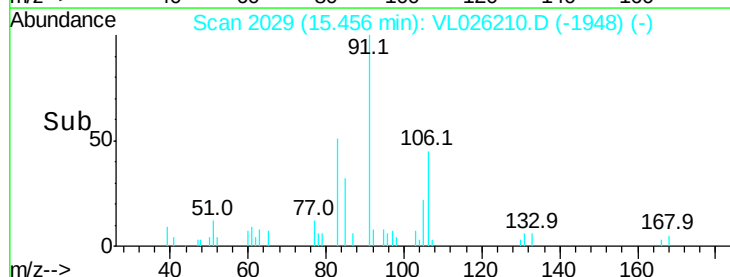
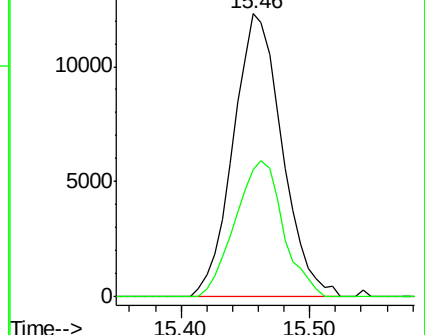
91 100

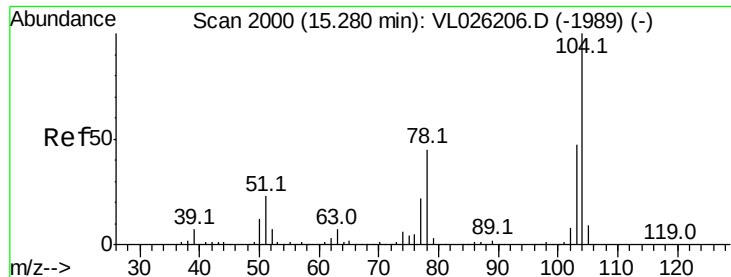
106 47.1 23.6 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Styrene

Concen: 0.11 ppbv

RT: 15.29 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

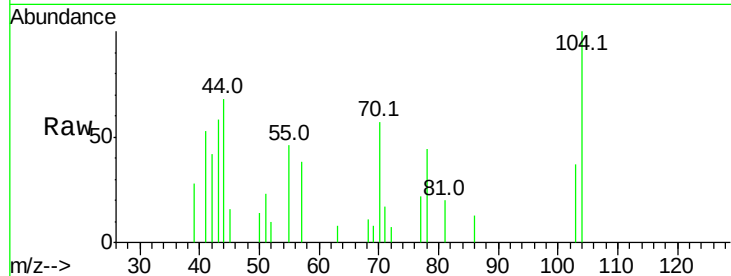
Tgt Ion:104 Resp: 11215

Ion Ratio Lower Upper

104 100

78 45.4 35.6 53.4

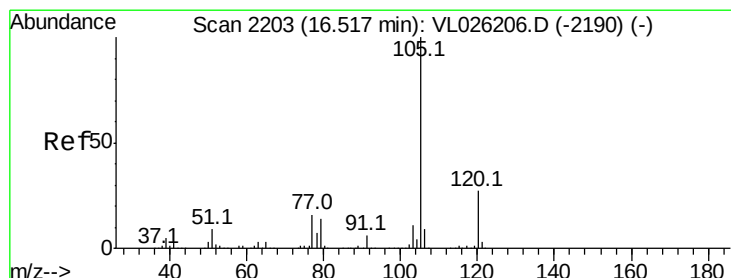
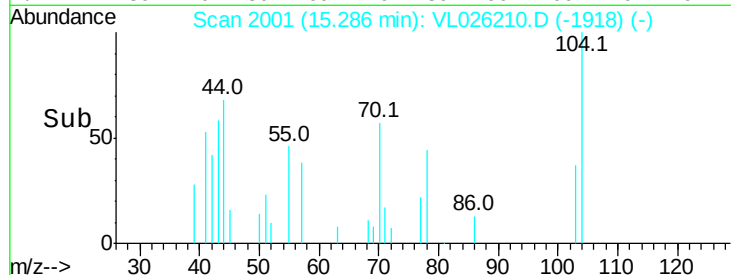
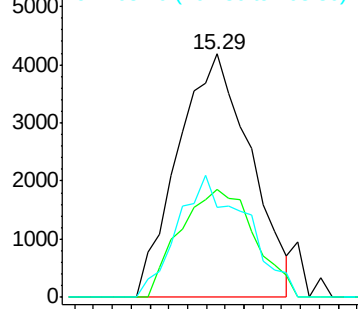
103 47.3 37.1 55.7



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: 0.13 ppbv

RT: 16.51 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL026210.D

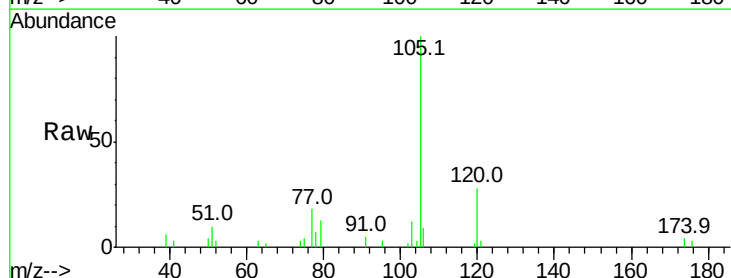
Acq: 20 Oct 2015 13:10

Tgt Ion:105 Resp: 41594

Ion Ratio Lower Upper

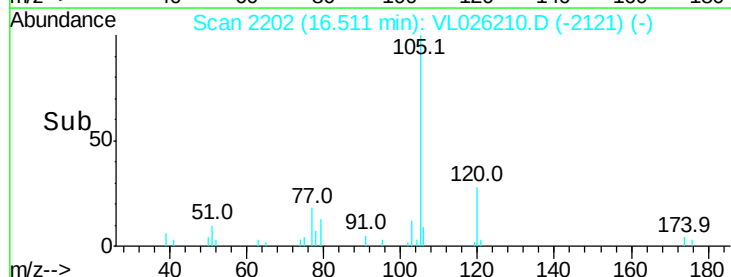
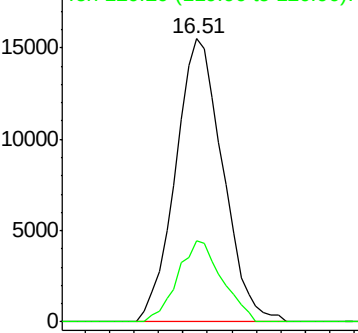
105 100

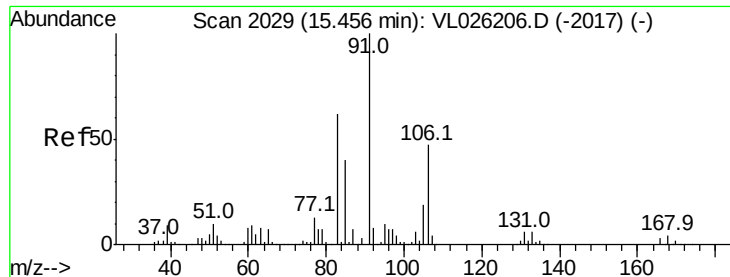
120 26.7 21.8 32.6



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: 0.11 ppbv

RT: 15.46 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

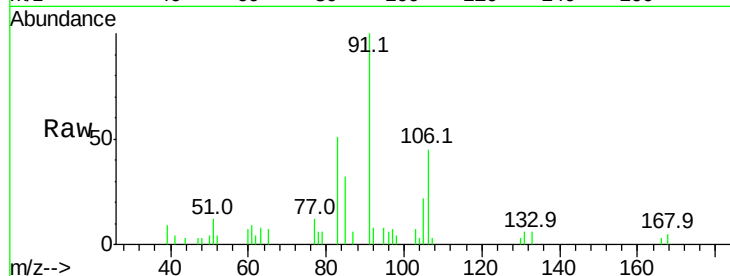
Tgt Ion: 83 Resp: 18843

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

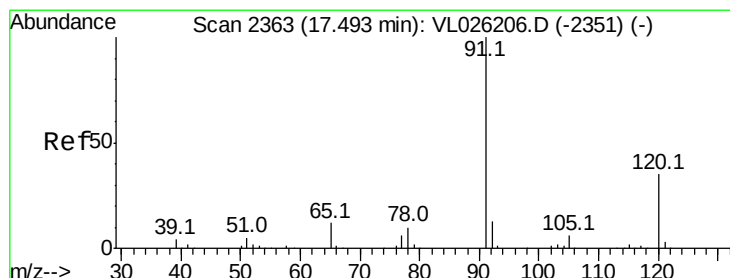
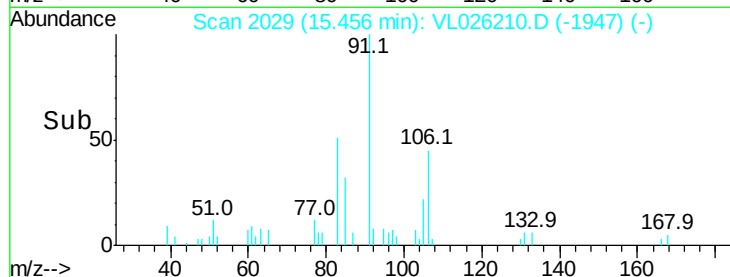
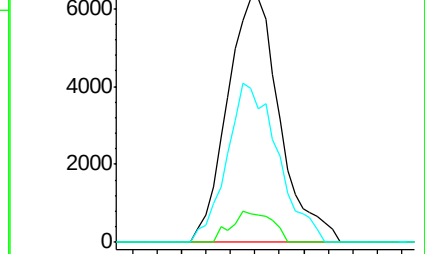
85 62.6 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.13 ppbv

RT: 17.49 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VL026210.D

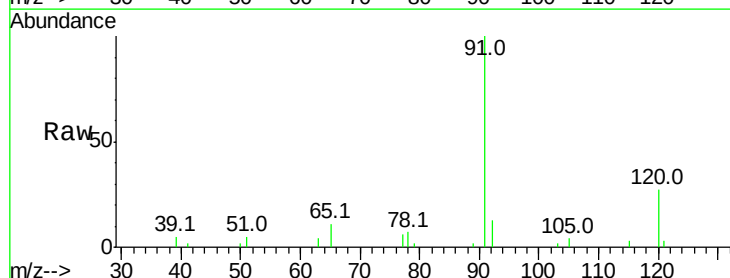
Acq: 20 Oct 2015 13:10

Tgt Ion: 120 Resp: 11054

Ion Ratio Lower Upper

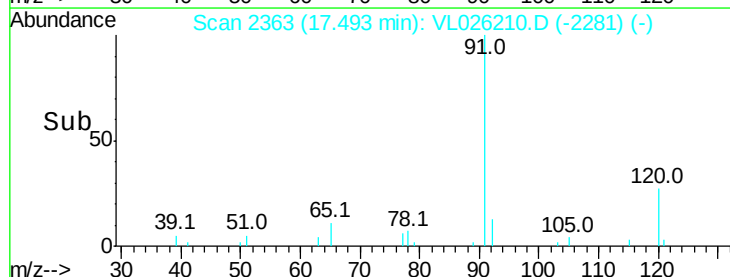
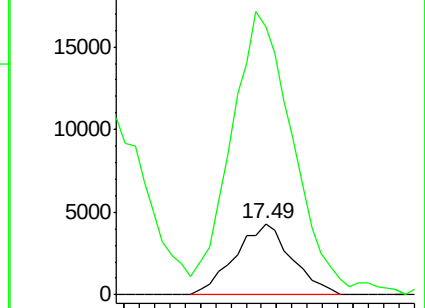
120 100

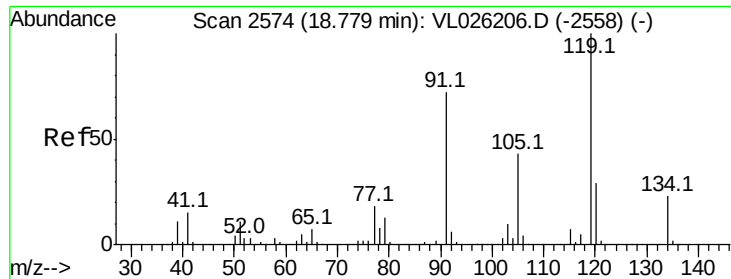
91 444.8 332.1 498.1



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

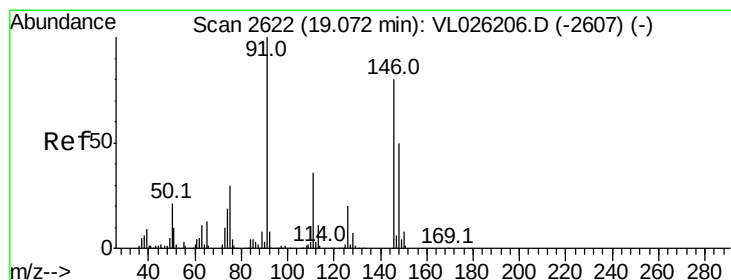
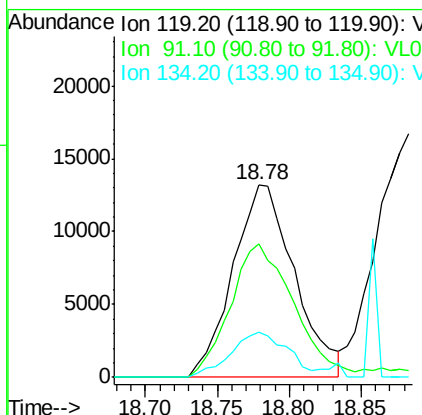
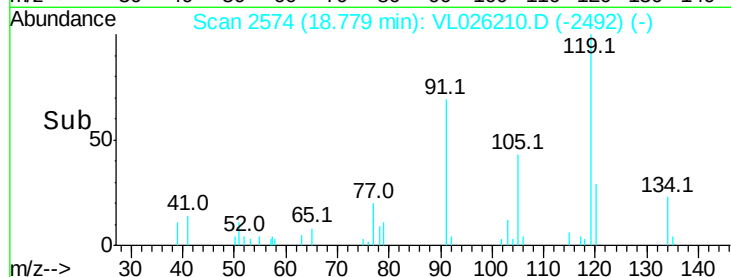
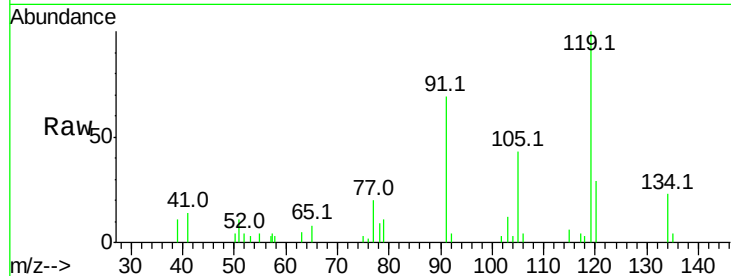




#65
 tert-Butylbenzene
 Concen: 0.14 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

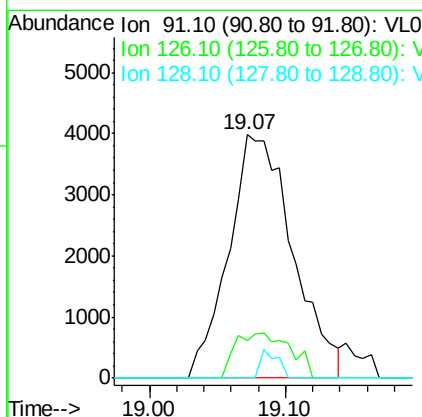
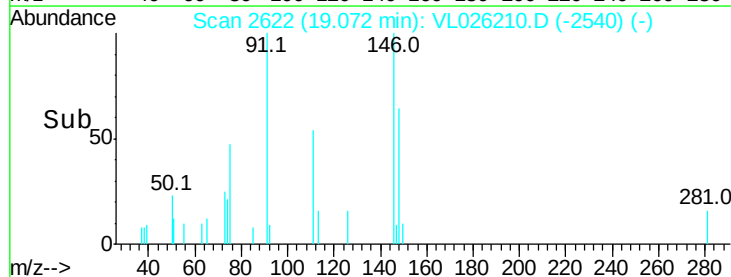
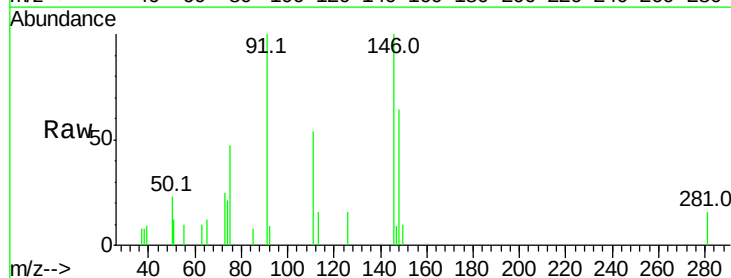
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

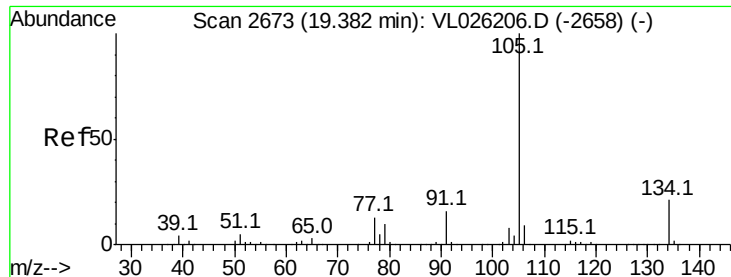
Tgt Ion: 119 Resp: 39218
 Ion Ratio Lower Upper
 119 100
 91 75.3 57.6 86.4
 134 22.1 17.8 26.6



#66
 Benzyl Chloride
 Concen: 0.15 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. 0.00 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion: 91 Resp: 13099
 Ion Ratio Lower Upper
 91 100
 126 16.0 16.1 24.1#
 128 3.2 5.1 7.7#

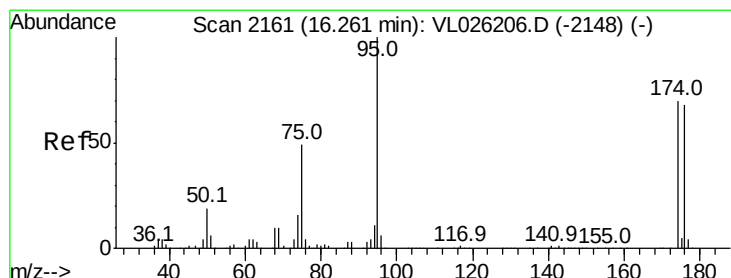
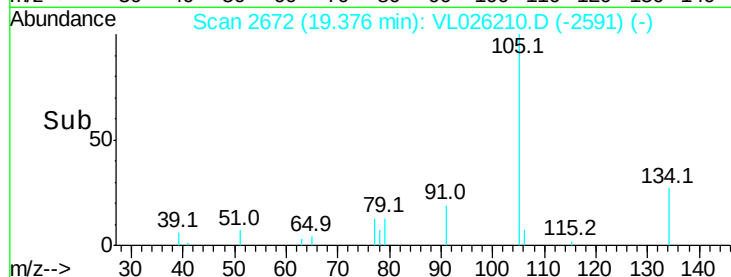
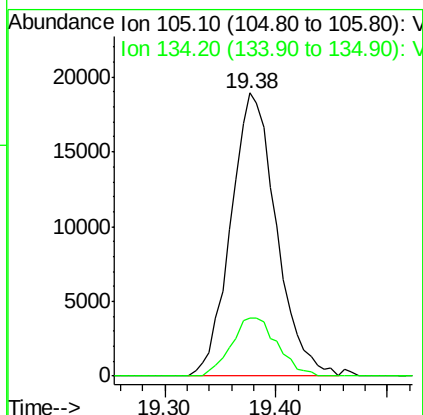
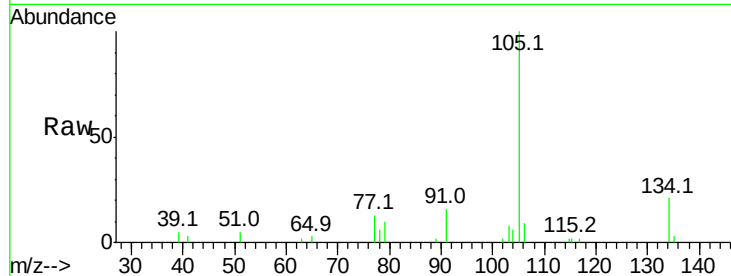




#67
 sec-Butylbenzene
 Concen: 0.14 ppbv
 RT: 19.38 min Scan# 2672
 Delta R.T. -0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

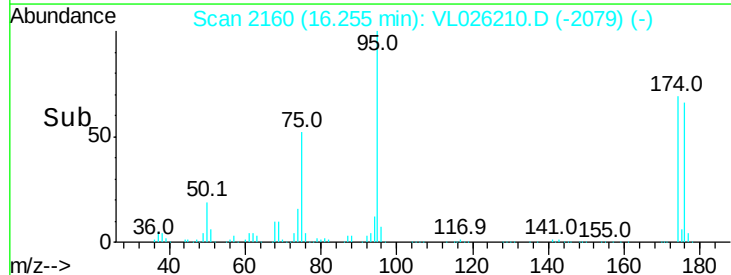
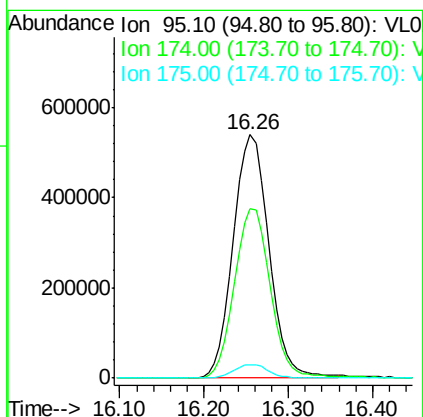
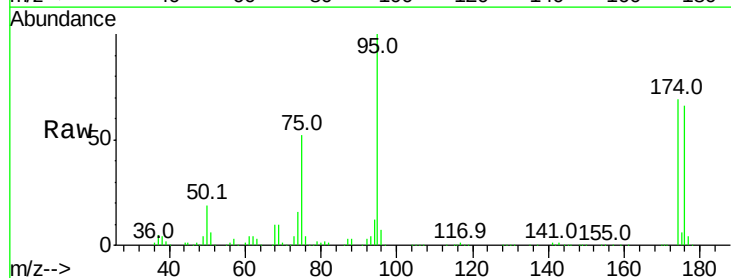
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

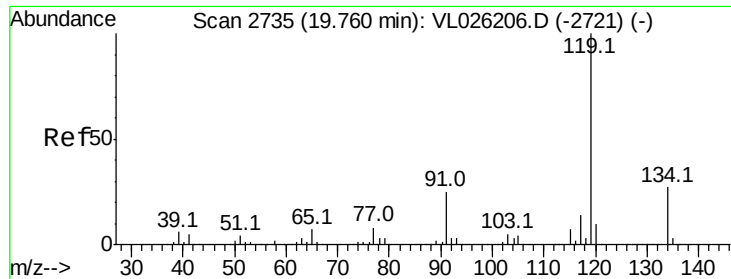
Tgt Ion: 105 Resp: 53773
 Ion Ratio Lower Upper
 105 100
 134 20.7 16.3 24.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.34 ppbv
 RT: 16.26 min Scan# 2160
 Delta R.T. -0.01 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Tgt Ion: 95 Resp: 1558294
 Ion Ratio Lower Upper
 95 100
 174 70.5 56.2 84.2
 175 5.5 4.3 6.5

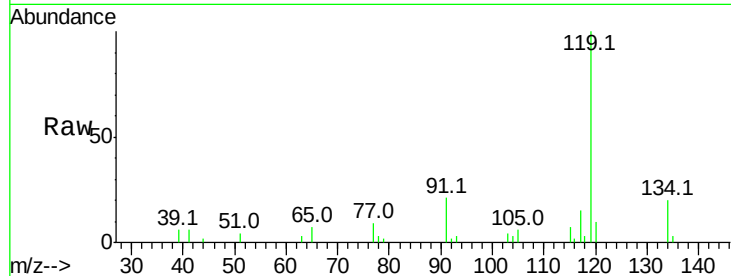




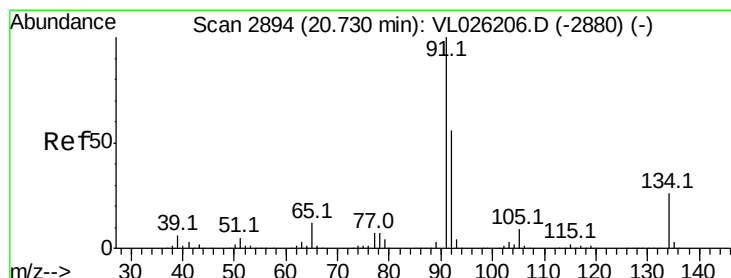
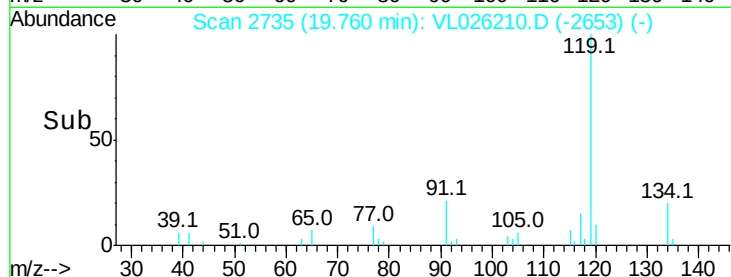
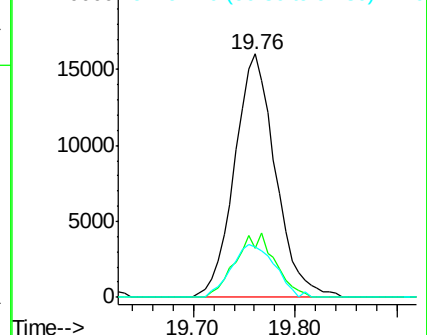
#69
p-Isopropyltoluene
Concen: 0.14 ppbv
RT: 19.76 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 119 Resp: 44679
Ion Ratio Lower Upper
119 100
134 25.5 21.4 32.0
91 23.1 19.8 29.8

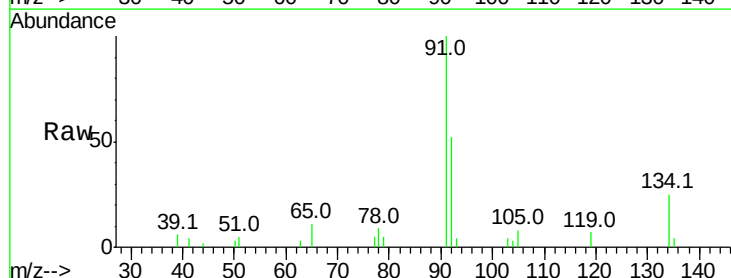


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

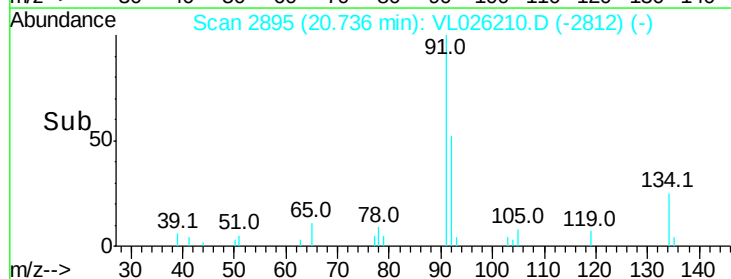
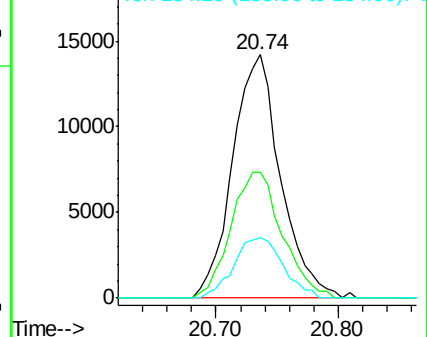


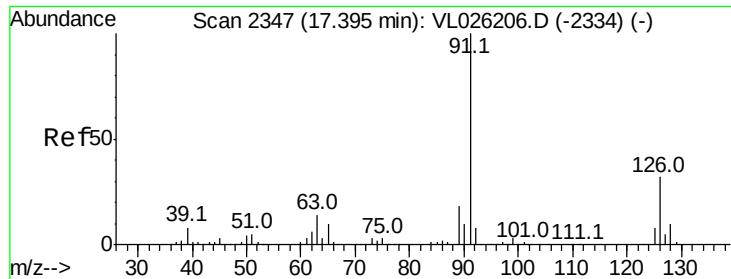
#70
n-Butylbenzene
Concen: 0.13 ppbv
RT: 20.74 min Scan# 2895
Delta R.T. 0.01 min
Lab File: VL026210.D
Acq: 20 Oct 2015 13:10

Tgt Ion: 91 Resp: 38665
Ion Ratio Lower Upper
91 100
92 55.3 44.7 67.1
134 25.6 21.1 31.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.13 ppbv

RT: 17.40 min Scan# 2347

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

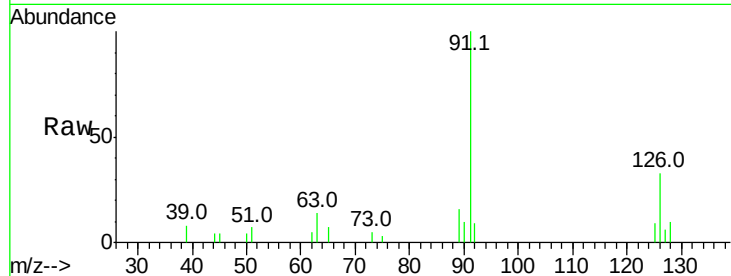
VSTDIC0.1

Tgt Ion: 91 Resp: 30538

Ion Ratio Lower Upper

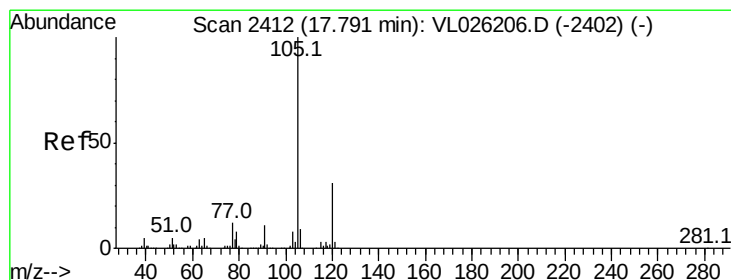
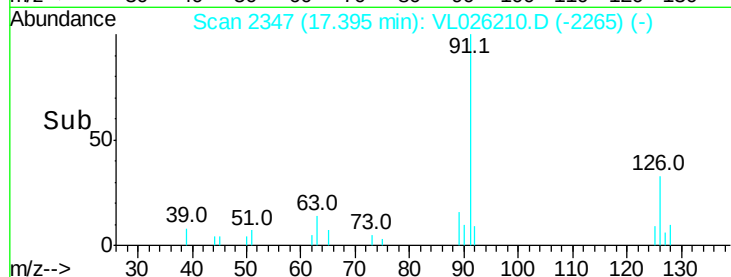
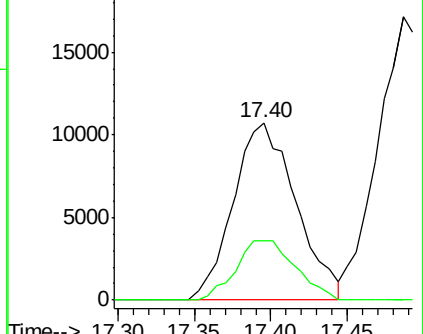
91 100

126 31.8 12.9 51.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 0.12 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Tgt Ion: 105 Resp: 32474

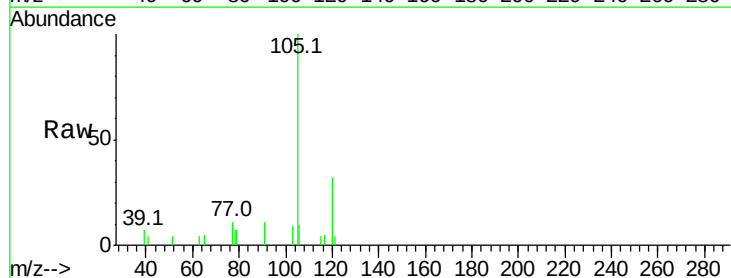
Ion Ratio Lower Upper

105 100

120 30.5 25.2 37.8

91 11.4 9.2 13.8

77 9.8 9.5 14.3

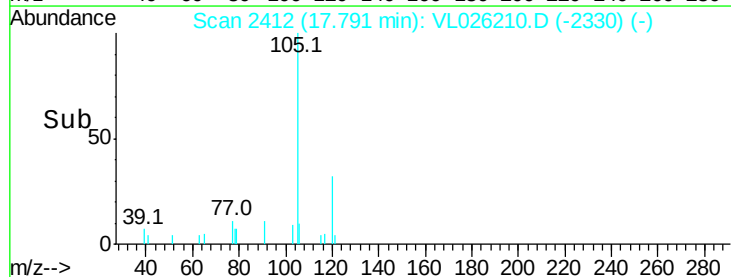
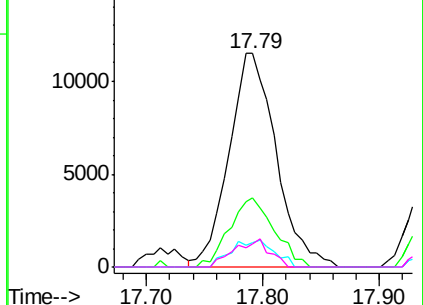


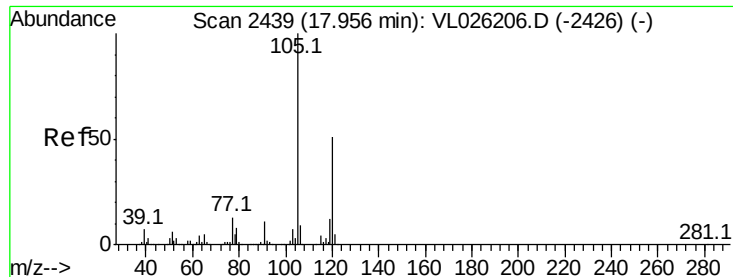
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.13 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

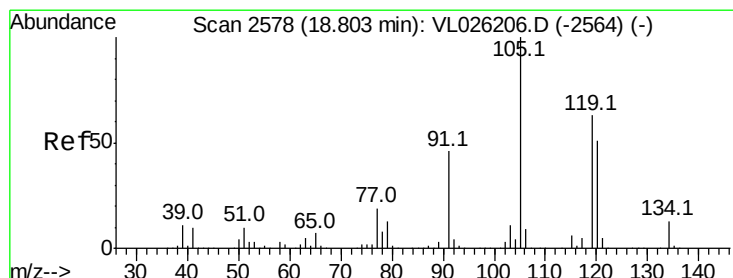
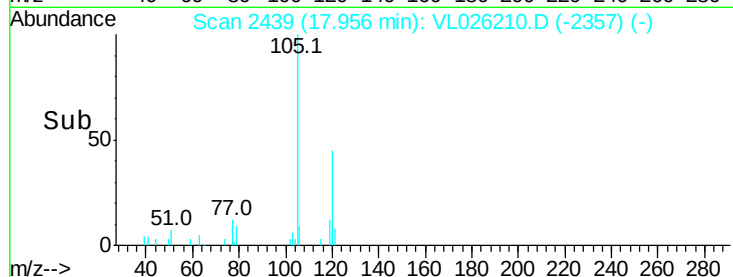
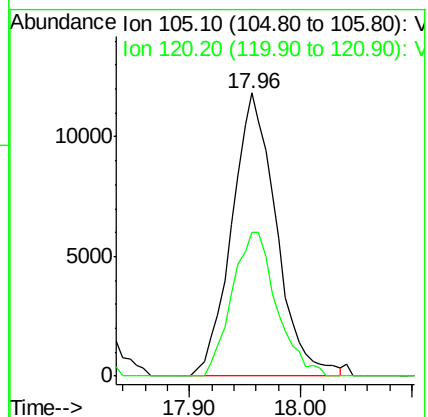
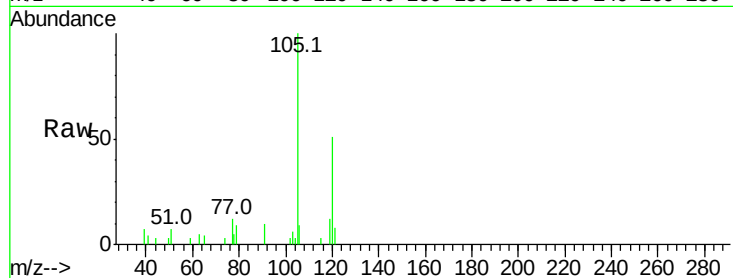
VSTDIC0.1

Tgt Ion:105 Resp: 32883

Ion Ratio Lower Upper

105 100

120 50.7 40.3 60.5



#74

1,2,4-Trimethylbenzene

Concen: 0.14 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Tgt Ion:105 Resp: 36942

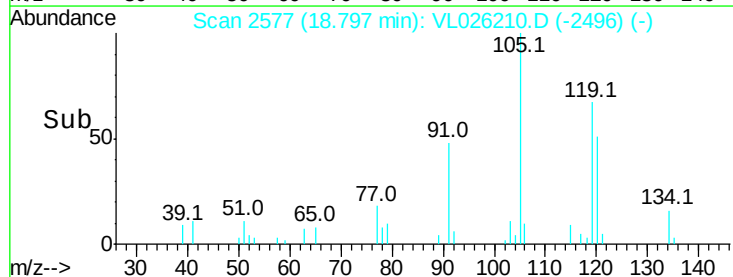
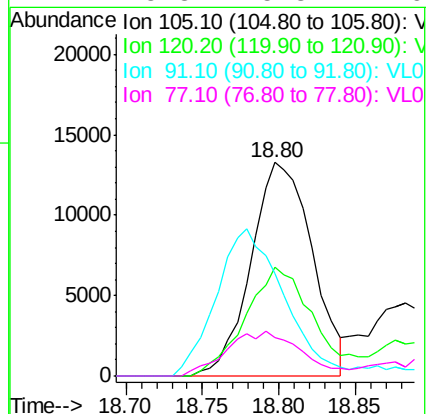
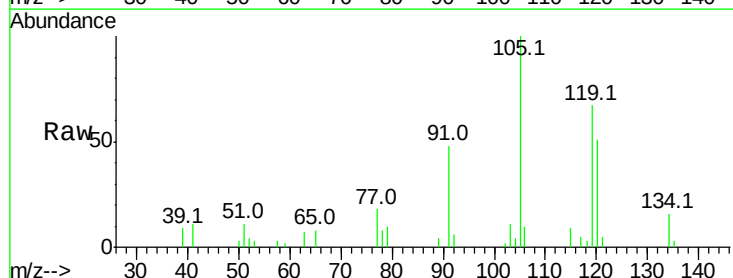
Ion Ratio Lower Upper

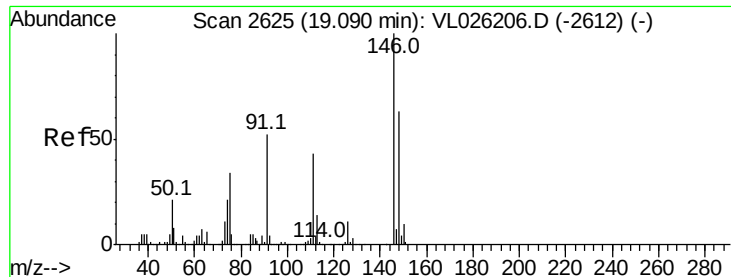
105 100

120 51.1 40.5 60.7

91 43.7 37.4 56.0

77 15.3 15.3 22.9





#75

1,3-Dichlorobenzene

Concen: 0.14 ppbv

RT: 19.09 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

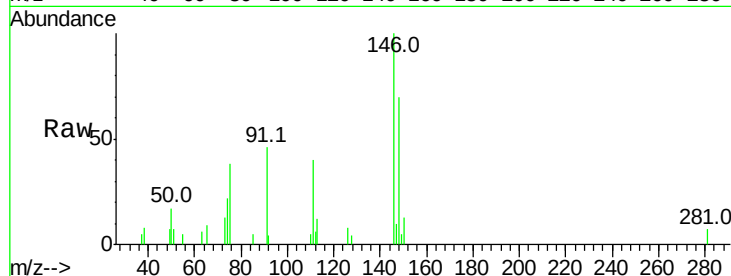
Tgt Ion:146 Resp: 22986

Ion Ratio Lower Upper

146 100

111 41.7 21.6 65.0

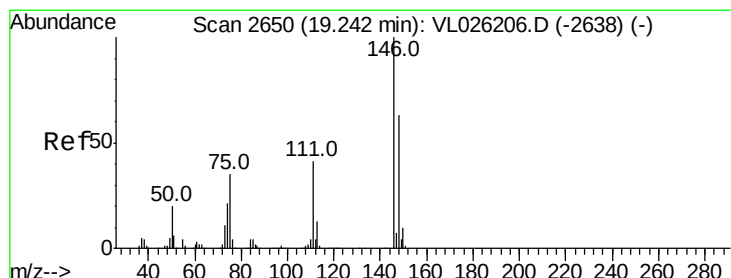
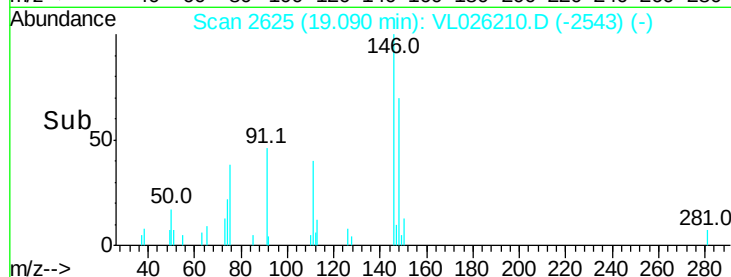
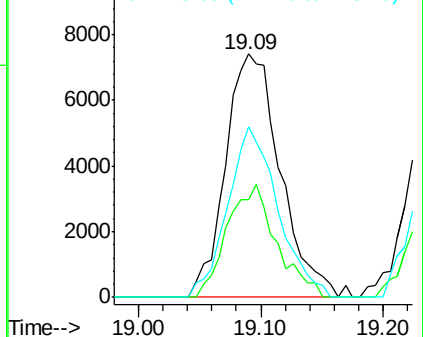
148 64.6 31.7 95.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.15 ppbv

RT: 19.24 min Scan# 2650

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

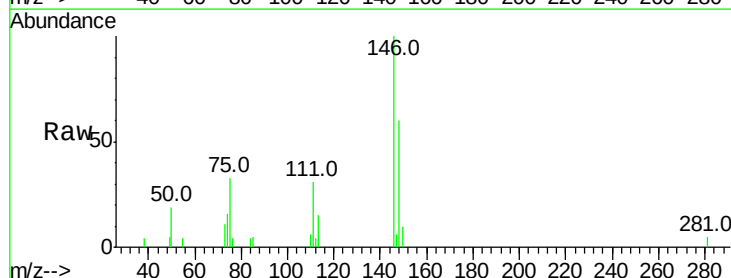
Tgt Ion:146 Resp: 24414

Ion Ratio Lower Upper

146 100

111 39.2 20.9 62.8

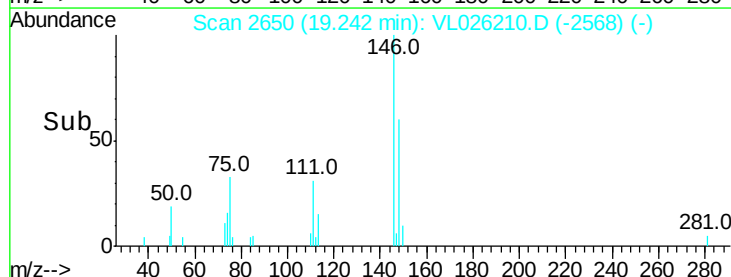
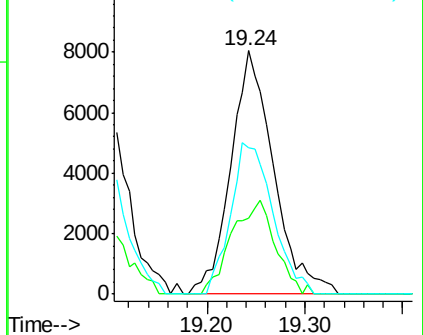
148 61.3 32.0 96.2

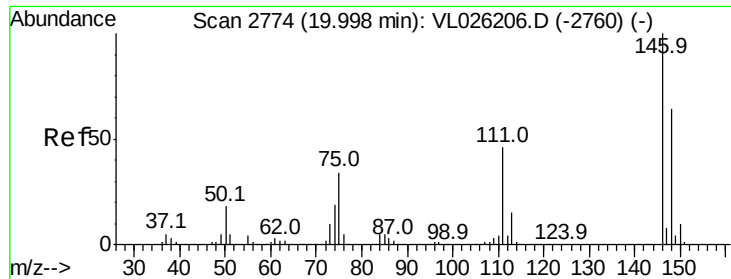


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.14 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. 0.00 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

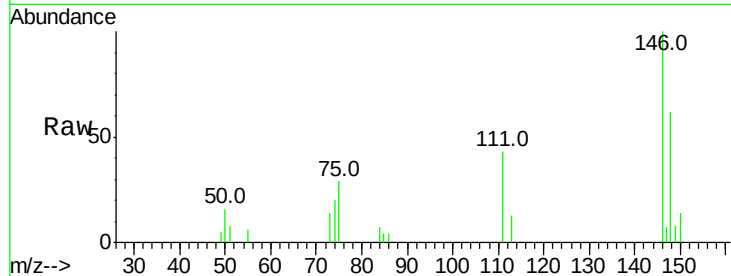
Tgt Ion:146 Resp: 22773

Ion Ratio Lower Upper

146 100

111 43.9 22.6 67.8

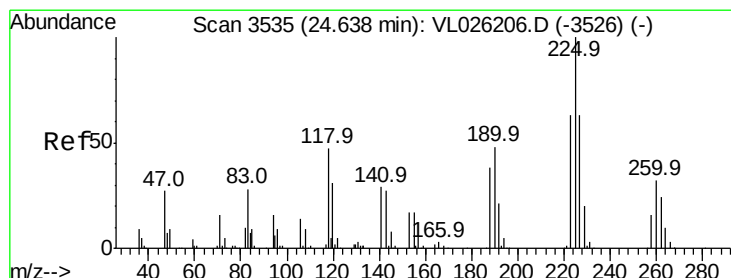
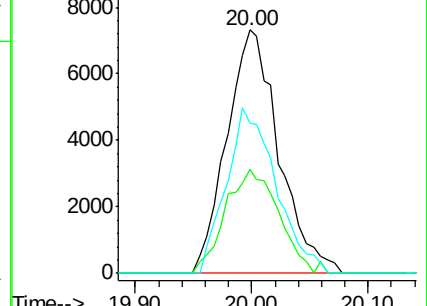
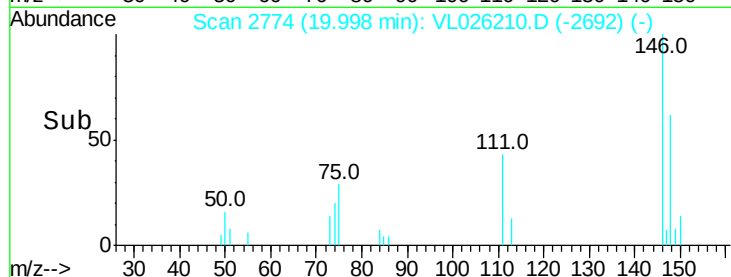
148 64.8 32.0 96.2



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: 0.25 ppbv

RT: 24.65 min Scan# 3537

Delta R.T. 0.01 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

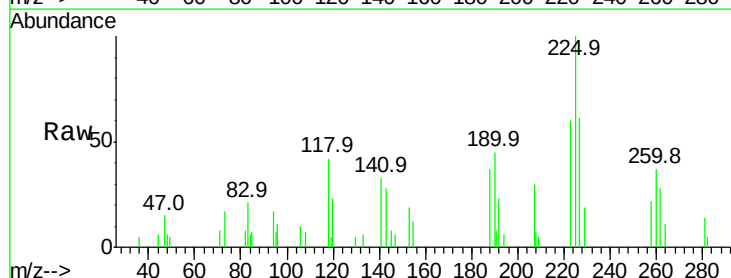
Tgt Ion:225 Resp: 14465

Ion Ratio Lower Upper

225 100

223 62.5 50.7 76.1

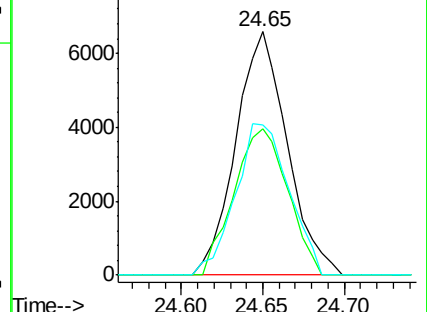
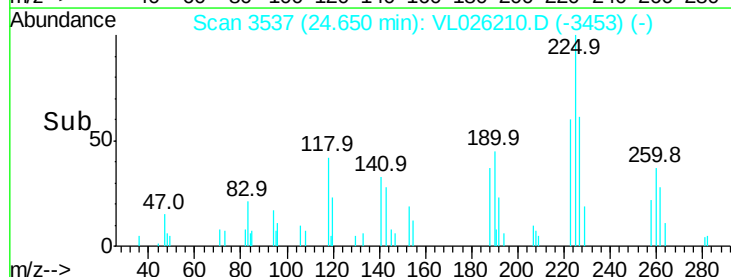
227 64.6 50.2 75.2

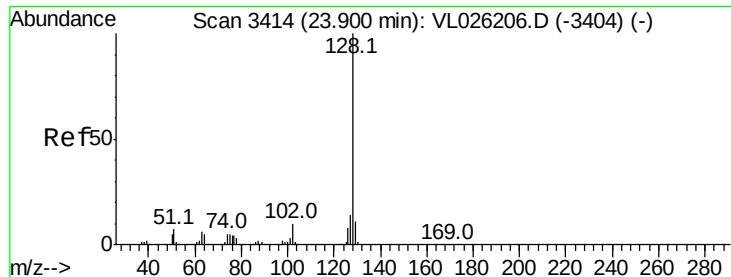


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.19 ppbv

RT: 23.92 min Scan# 3417

Delta R.T. 0.02 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

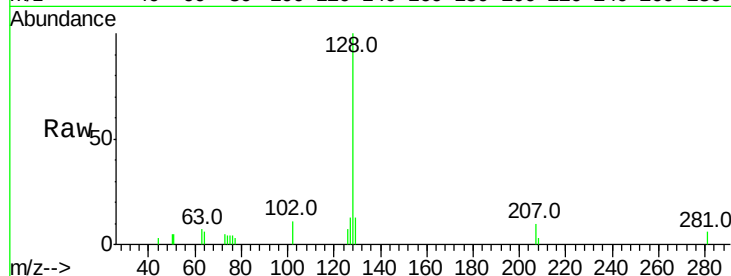
Tgt Ion:128 Resp: 27898

Ion Ratio Lower Upper

128 100

127 13.0 11.0 16.6

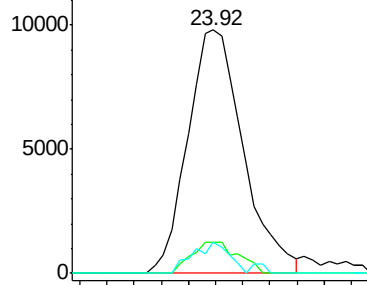
129 12.9 8.7 13.1



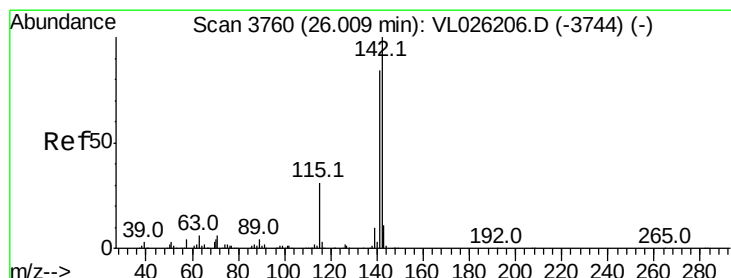
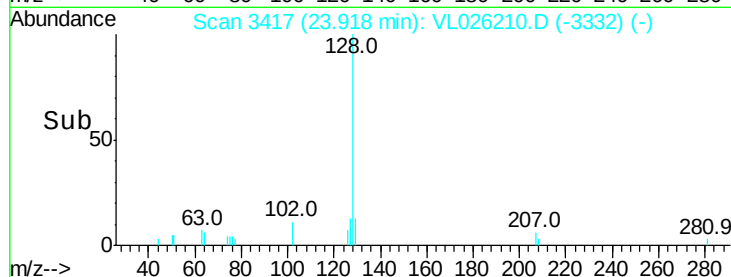
Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



Time-->



#80

Naphthalene, 2-methyl-

Concen: 0.06 ppbv

RT: 26.05 min Scan# 3767

Delta R.T. 0.04 min

Lab File: VL026210.D

Acq: 20 Oct 2015 13:10

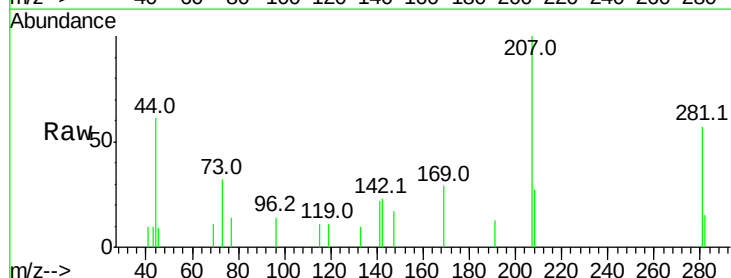
Tgt Ion:142 Resp: 2815

Ion Ratio Lower Upper

142 100

141 82.2 66.7 100.1

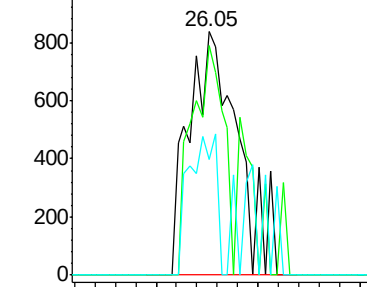
115 36.1 25.0 37.4



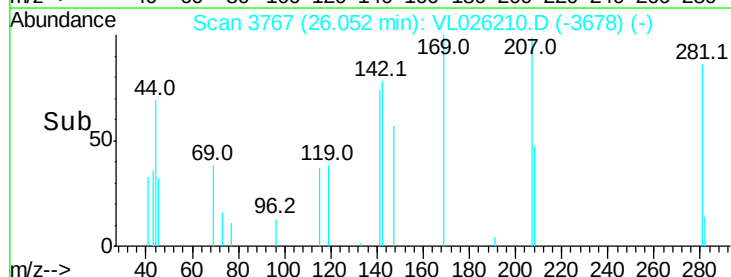
Abundance Ion 142.00 (141.70 to 142.70): V

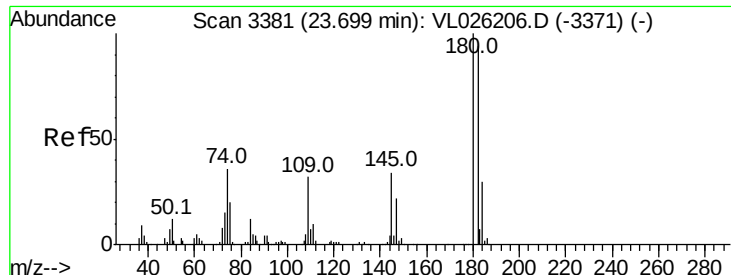
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



Time-->

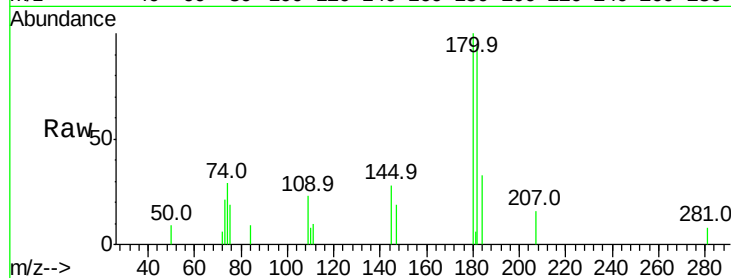




#81
 1,2,4-Trichlorobenzene
 Concen: 0.20 ppbv
 RT: 23.72 min Scan# 3385
 Delta R.T. 0.02 min
 Lab File: VL026210.D
 Acq: 20 Oct 2015 13:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.4	114.6
184	29.3	24.4	36.6



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

