

Data Path : W:\HPCHEM1\MSVOA_L\Data\VL100915\
 Data File : VL026174.D
 Acq On : 9 Oct 2015 12:19
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 09 14:22:32 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	929285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2510991	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2928031	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	2251995	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.65	85	188773	1.42	ppbv	97
3) Chlorodifluoromethane	3.57	51	114974	1.08	ppbv	99
4) Chloromethane	3.76	50	62455	0.99	ppbv	99
5) Vinyl Chloride	3.89	62	61773	0.92	ppbv	98
6) Bromomethane	4.15	94	44559	1.05	ppbv	98
7) Chloroethane	4.25	64	27379	1.04	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	158997	1.10	ppbv	98
9) Propene	3.60	41	50514	0.93	ppbv	97
10) Heptane	9.37	43	179540	0.96	ppbv	100
11) Trichlorofluoromethane	4.70	101	174124	1.14	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	117375	1.11	ppbv	99
13) Ethanol	4.36	45	6034	0.92	ppbv	94
14) Bromoethene	4.46	108	48572	1.08	ppbv	97
15) Acetone	4.62	43	129038	1.12	ppbv #	85
16) 1,3-Butadiene	3.98	39	57473	1.00	ppbv	95
17) tert-Butyl alcohol	5.16	59	71887	0.96	ppbv	98
18) 1,1-Dichloroethene	5.09	96	52916	1.07	ppbv	97
19) Isopropyl Alcohol	4.78	45	50895	1.05	ppbv #	1
20) Methylene Chloride	5.16	84	51737	1.05	ppbv	98
21) Allyl Chloride	5.23	41	74181	0.93	ppbv #	81
22) trans-1,2-Dichloroethene	5.78	96	68705	1.04	ppbv	92
23) Vinyl Acetate	5.99	43	210724	0.96	ppbv	99
24) 1,1-Dichloroethane	5.92	63	150368	1.02	ppbv	99
25) Ethyl Acetate	6.69	43	237017	0.97	ppbv	99
26) Hexane	6.67	57	117719	1.00	ppbv	99
27) Carbon Disulfide	5.40	76	127850	1.02	ppbv #	94
28) Methyl tert-Butyl Ether	5.98	73	181565	1.02	ppbv	100
29) Chloroform	6.75	83	171948	1.05	ppbv	95
30) Cyclohexane	8.29	84	107623	0.96	ppbv #	79
31) cis-1,2-Dichloroethene	6.53	61	101788	0.95	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	157260	0.96	ppbv	98
34) 2-Butanone	6.22	43	143821	0.89	ppbv	99
35) Carbon Tetrachloride	8.17	117	162847	0.97	ppbv	97
36) Benzene	8.03	78	249310	0.94	ppbv	98
37) 1,2-Dichloroethane	7.38	62	132105	1.00	ppbv	100
38) Trichloroethene	9.07	130	108319	0.93	ppbv	93
39) 1,2-Dichloropropane	8.83	63	91268	0.92	ppbv	98
40) 1,4-Dioxane	9.18	88	14267	0.98	ppbv #	1
41) Tetrahydrofuran	7.16	42	79225	0.84	ppbv	97
42) Bromodichloromethane	9.03	83	170799	0.98	ppbv	99
43) Methyl Methacrylate	9.28	69	83685	0.89	ppbv	99

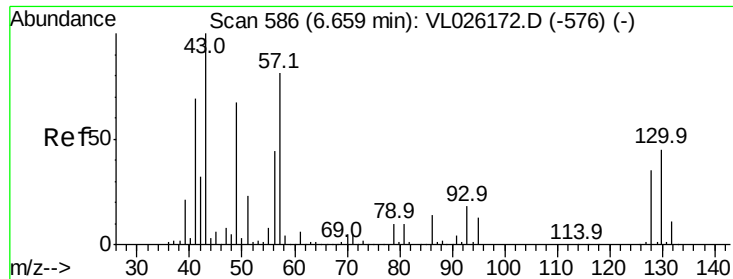
Data Path : W:\HPCHEM1\MSVOA_L\Data\VL100915\
 Data File : VL026174.D
 Acq On : 9 Oct 2015 12:19
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Oct 09 14:22:32 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:20:41 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	435054	0.97	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	106457	0.86	ppbv	100
46) cis-1,3-Dichloropropene	10.03	75	136920	0.89	ppbv	95
47) 1,1,2-Trichloroethane	10.89	97	109575	0.97	ppbv	98
48) Dibromochloromethane	11.81	129	150205	0.98	ppbv	100
49) Bromoform	14.82	173	105665	0.93	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	186578	0.86	ppbv	99
51) 2-Hexanone	11.65	43	161772	0.82	ppbv #	96
52) Tetrachloroethene	12.80	164	112683	0.93	ppbv	96
53) Toluene	11.25	91	320129	0.95	ppbv	99
54) 1,2-Dibromoethane	12.15	107	165117	0.98	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.79	131	121430	1.00	ppbv #	1
57) Chlorobenzene	13.82	112	291143	1.01	ppbv	97
58) Ethyl Benzene	14.43	91	450477	0.93	ppbv	97
59) m/p-Xylene	14.72	91	448997	1.17	ppbv #	27
60) o-Xylene	15.51	91	389940	0.98	ppbv	100
61) Styrene	15.32	104	142714	0.84	ppbv	99
62) Isopropylbenzene	16.56	105	505166	0.97	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.49	83	274879	0.90	ppbv	100
64) n-propylbenzene	17.54	120	133457	0.96	ppbv	91
65) tert-Butylbenzene	18.83	119	455874	1.00	ppbv	100
66) Benzyl Chloride	19.11	91	104687	0.84	ppbv	96
67) sec-Butylbenzene	19.43	105	620677	0.96	ppbv	98
69) p-Isopropyltoluene	19.80	119	490555	0.94	ppbv	100
70) n-Butylbenzene	20.77	91	474122	0.91	ppbv	97
71) 2-Chlorotoluene	17.44	91	361071	0.91	ppbv	98
72) 4-Ethyltoluene	17.83	105	397829	0.92	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	376968	0.94	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	415154	0.98	ppbv	92
75) 1,3-Dichlorobenzene	19.13	146	252982	0.97	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	256149	0.95	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	248477	0.95	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	104772	1.00	ppbv	99
79) Naphthalene	23.95	128	240698	0.73	ppbv	98
80) Naphthalene,2-methyl-	26.06	142	52062	0.68	ppbv	95
81) 1,2,4-Trichlorobenzene	23.75	180	122201	0.77	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. -0.00 min

Lab File: VL026174.D

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VSTDIC001

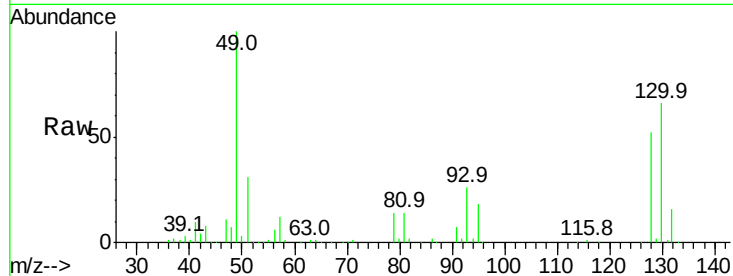
Tgt Ion: 49 Resp: 929285

Ion Ratio Lower Upper

49 100

128 53.0 26.3 78.8

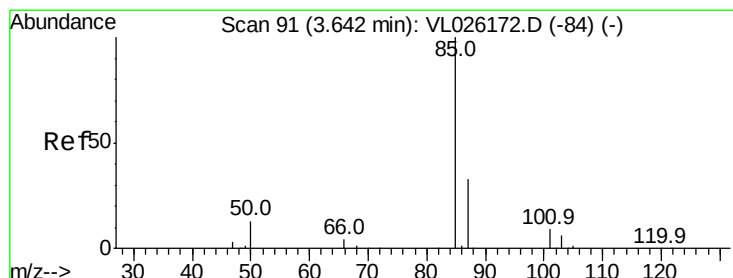
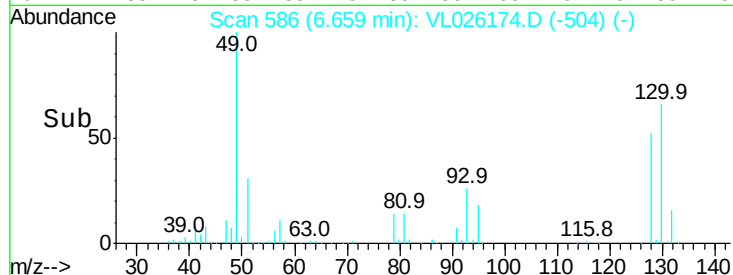
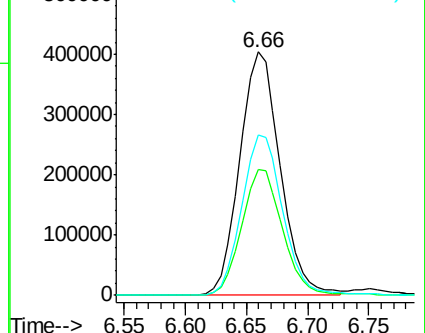
130 67.7 34.2 102.5



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: 1.42 ppbv

RT: 3.65 min Scan# 92

Delta R.T. 0.01 min

Lab File: VL026174.D

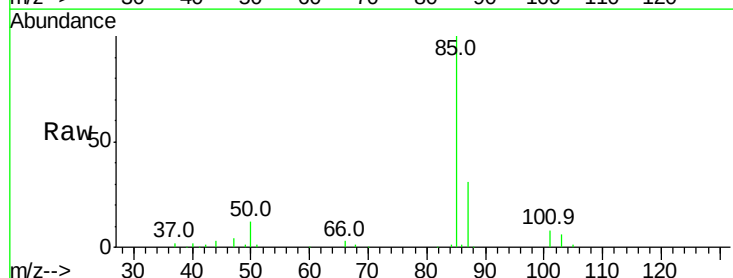
Acq: 9 Oct 2015 12:19

Tgt Ion: 85 Resp: 188773

Ion Ratio Lower Upper

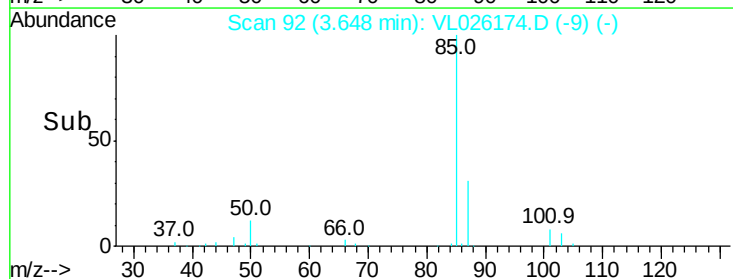
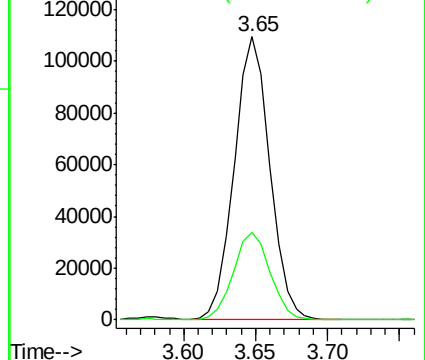
85 100

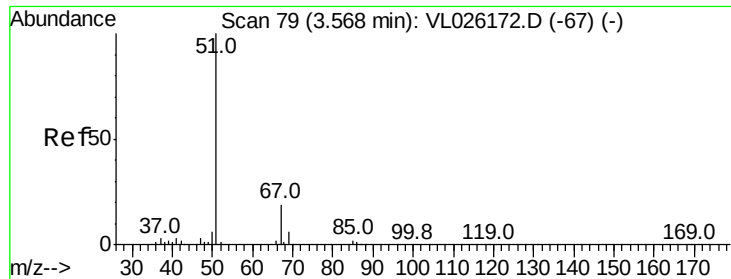
87 30.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

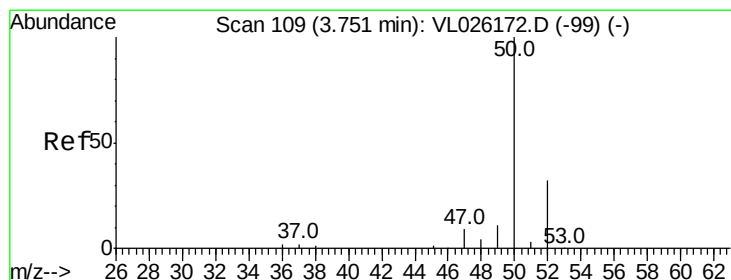
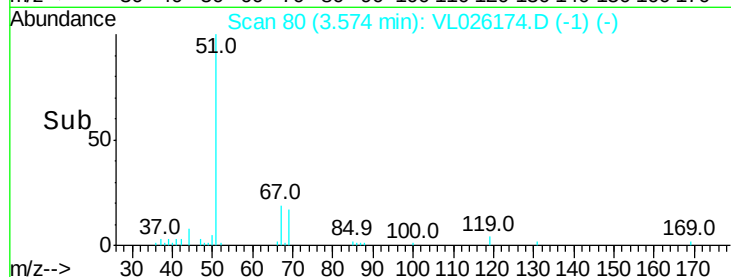
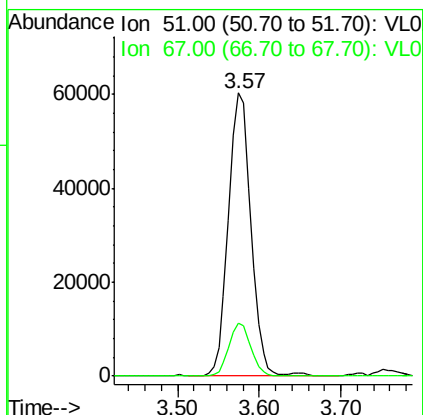
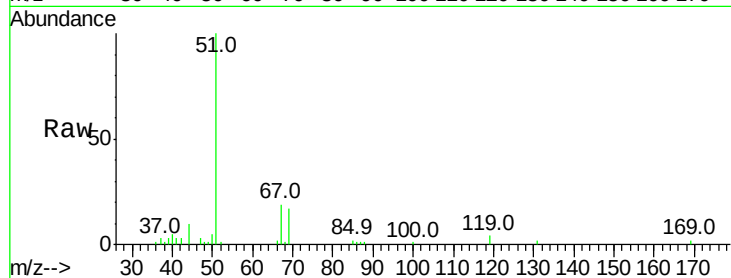




#3
Chlorodifluoromethane
Concen: 1.08 ppbv
RT: 3.57 min Scan# 80
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

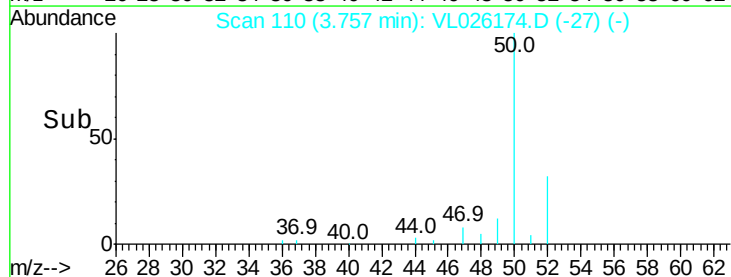
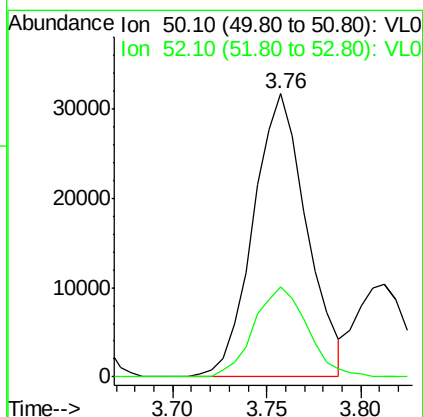
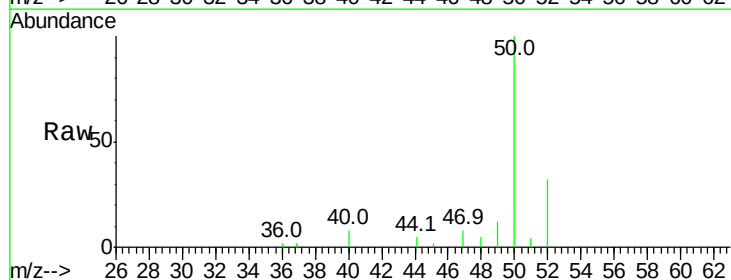
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

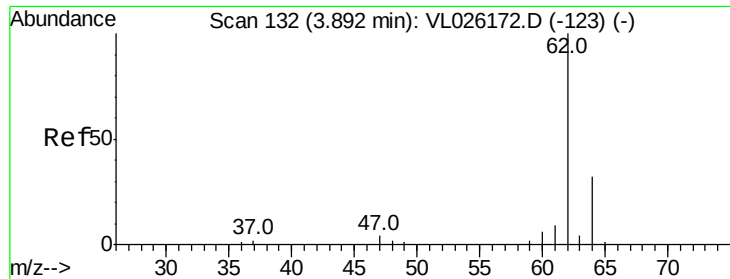
Tgt Ion: 51 Resp: 114974
Ion Ratio Lower Upper
51 100
67 18.1 14.9 22.3



#4
Chloromethane
Concen: 0.99 ppbv
RT: 3.76 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 50 Resp: 62455
Ion Ratio Lower Upper
50 100
52 31.9 25.9 38.9





#5

Vinyl Chloride

Concen: 0.92 ppbv

RT: 3.89 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

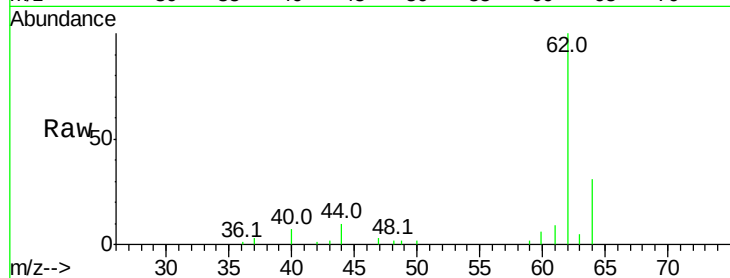
VSTDIC001

Tgt Ion: 62 Resp: 61773

Ion Ratio Lower Upper

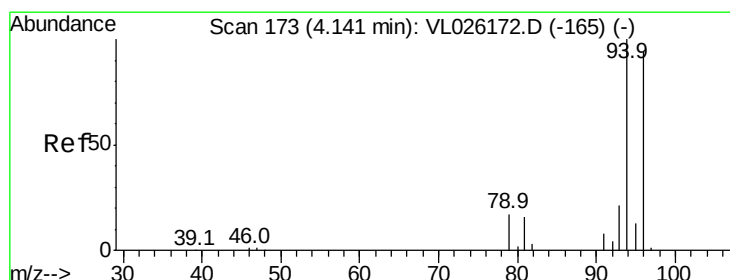
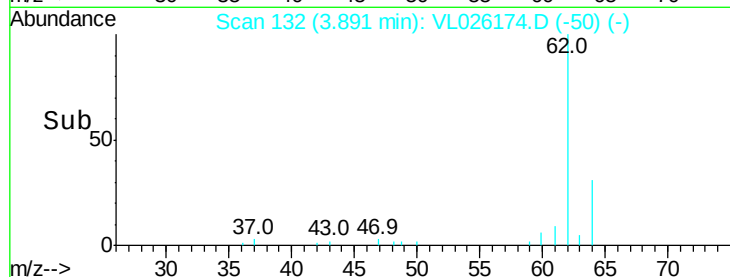
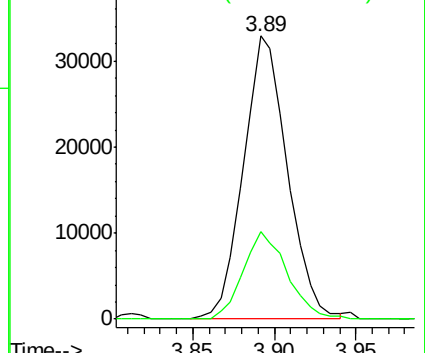
62 100

64 30.9 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: 1.05 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026174.D

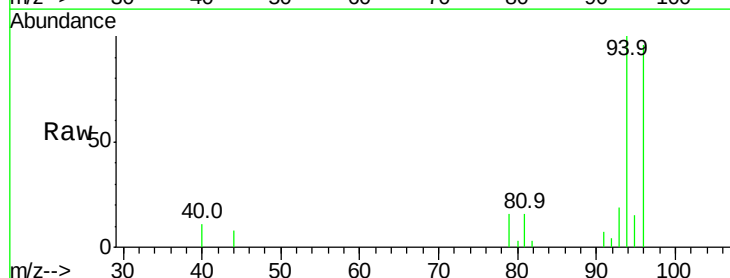
Acq: 9 Oct 2015 12:19

Tgt Ion: 94 Resp: 44559

Ion Ratio Lower Upper

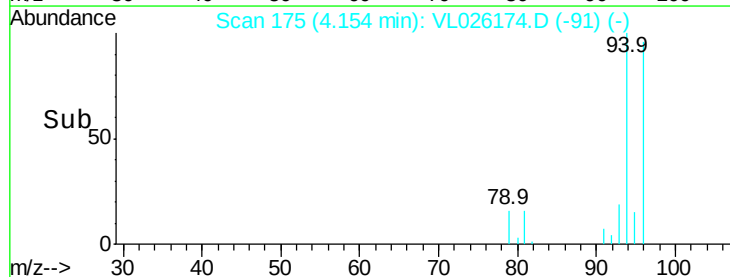
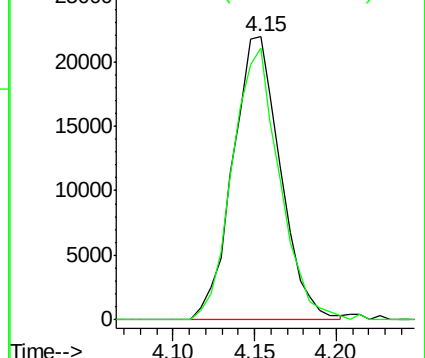
94 100

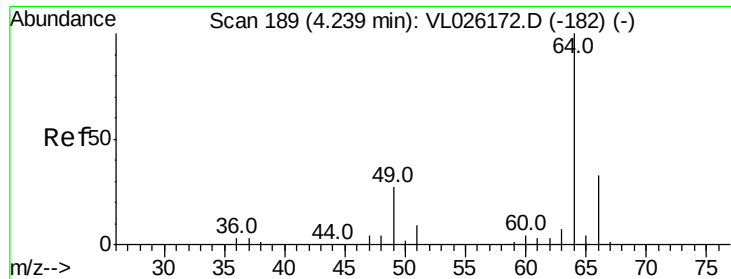
96 96.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.04 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

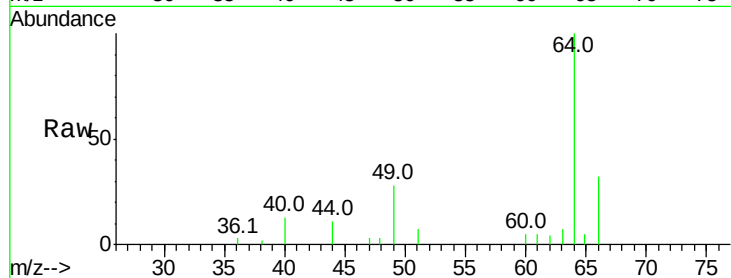
VSTDIC001

Tgt Ion: 64 Resp: 27379

Ion Ratio Lower Upper

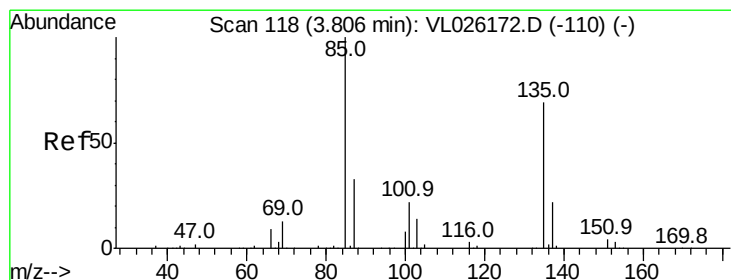
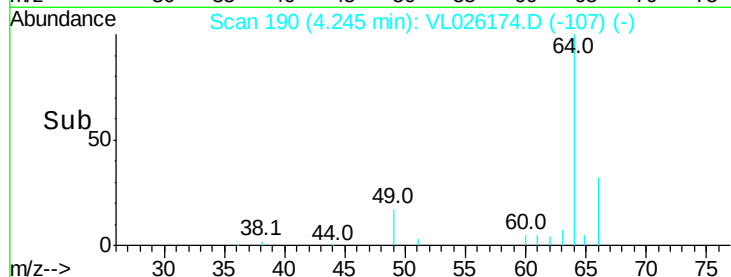
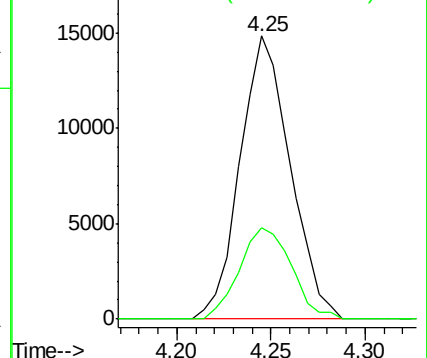
64 100

66 32.2 26.5 39.7



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.10 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL026174.D

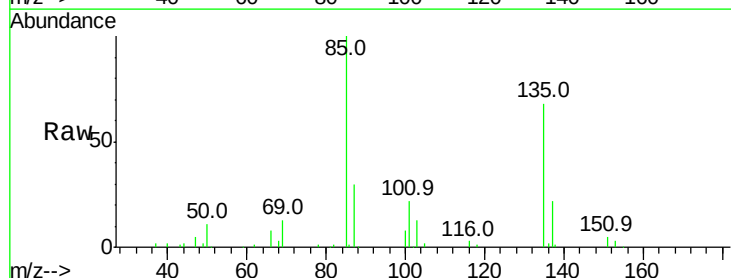
Acq: 9 Oct 2015 12:19

Tgt Ion: 85 Resp: 158997

Ion Ratio Lower Upper

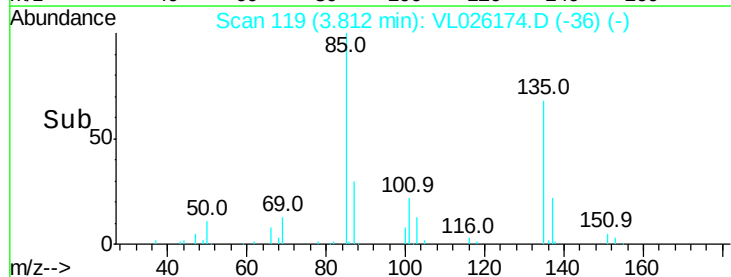
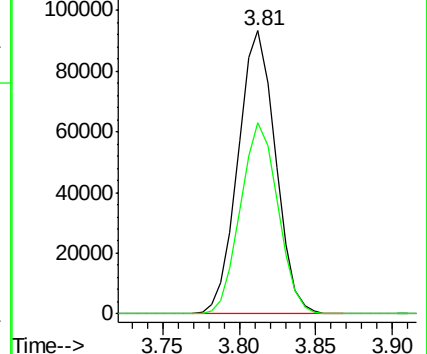
85 100

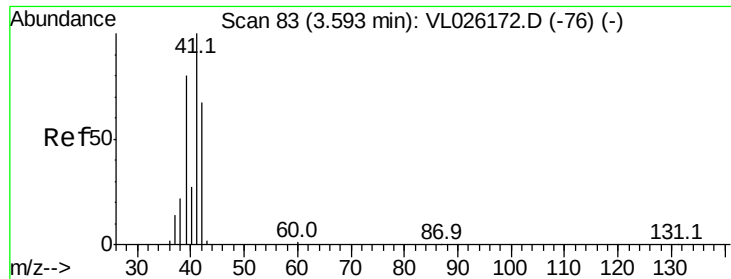
135 67.6 55.3 82.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 0.93 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

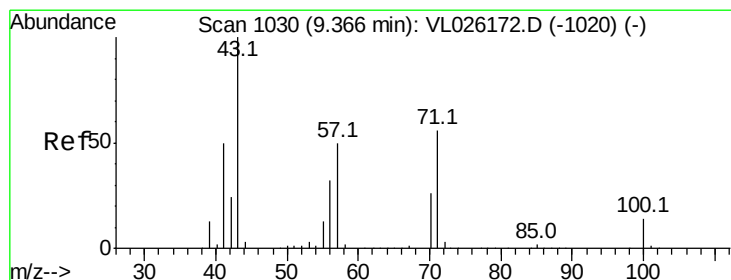
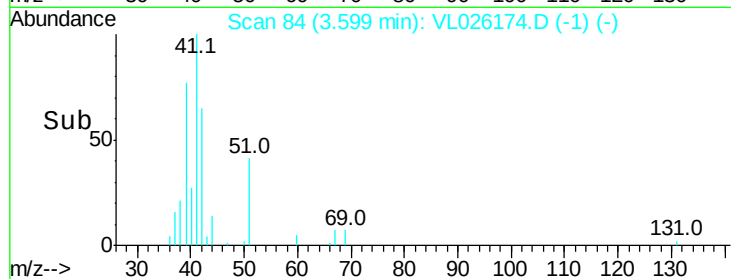
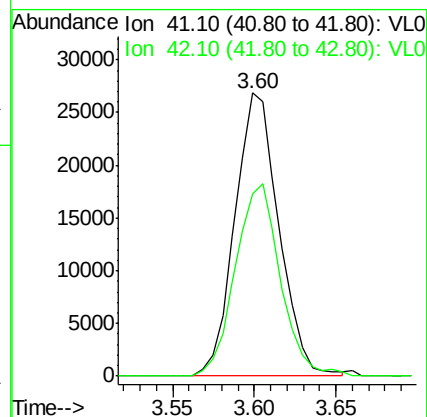
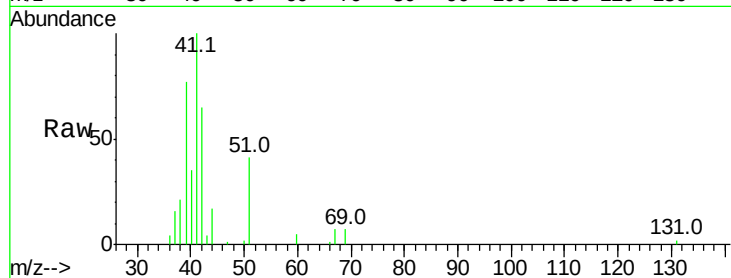
VSTDIC001

Tgt Ion: 41 Resp: 50514

Ion Ratio Lower Upper

41 100

42 69.3 53.6 80.4



#10

Heptane

Concen: 0.96 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VL026174.D

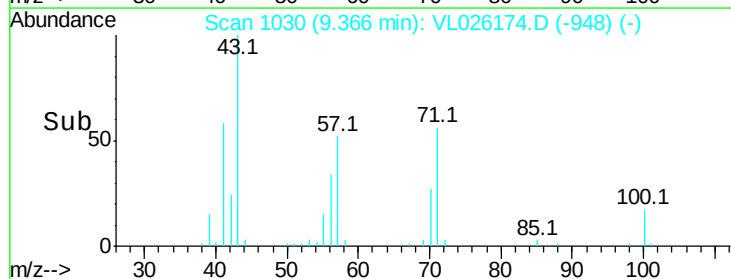
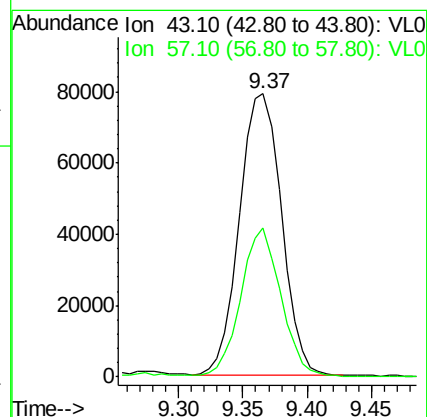
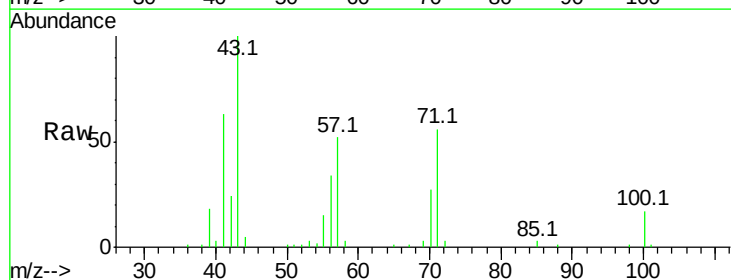
Acq: 9 Oct 2015 12:19

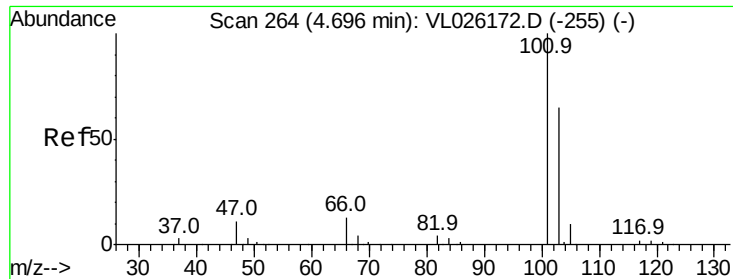
Tgt Ion: 43 Resp: 179540

Ion Ratio Lower Upper

43 100

57 52.1 41.8 62.8

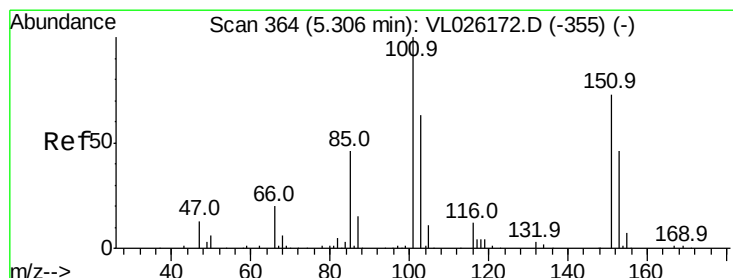
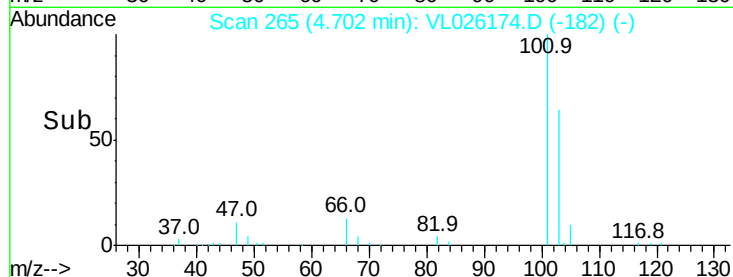
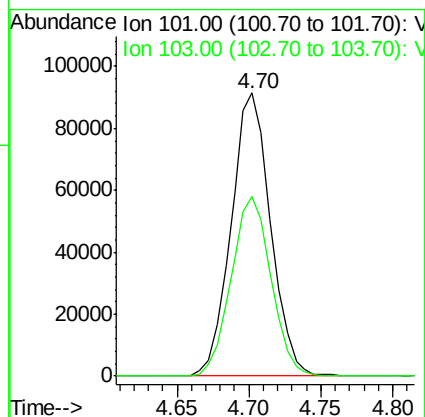
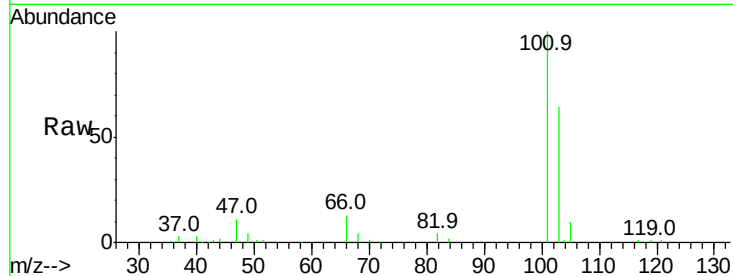




#11
 Trichlorofluoromethane
 Concen: 1.14 ppbv
 RT: 4.70 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

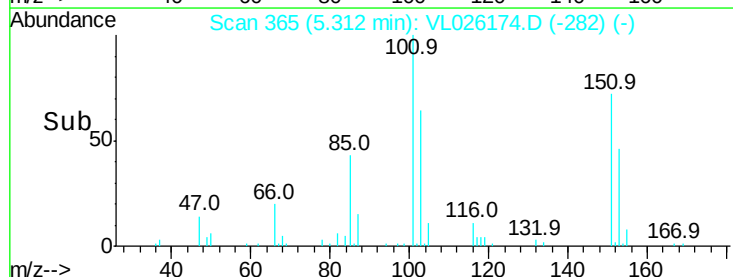
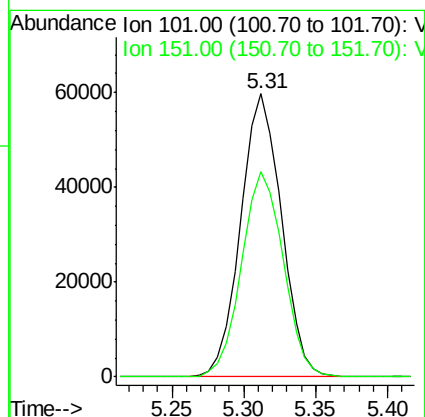
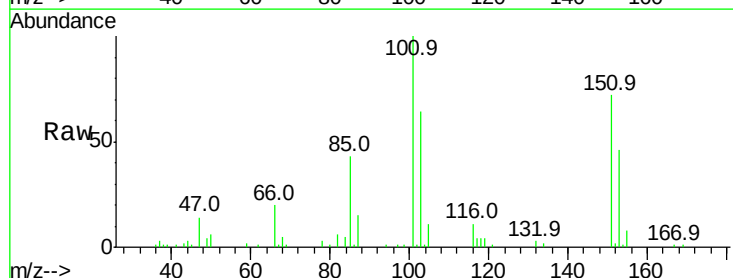
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

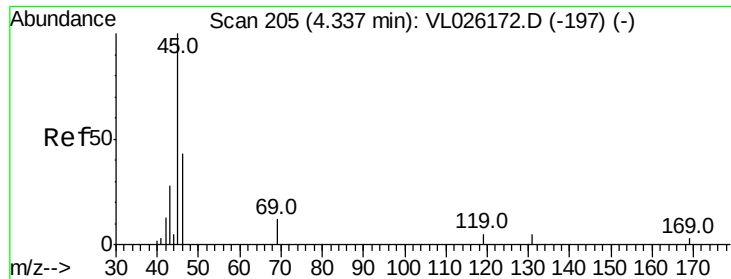
Tgt Ion:101 Resp: 174124
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.11 ppbv
 RT: 5.31 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion:101 Resp: 117375
 Ion Ratio Lower Upper
 101 100
 151 74.3 59.0 88.6





#13

Ethanol

Concen: 0.92 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

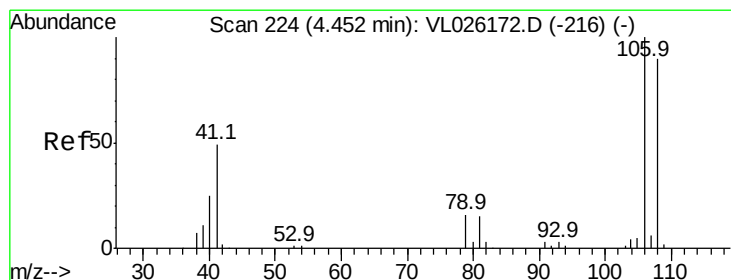
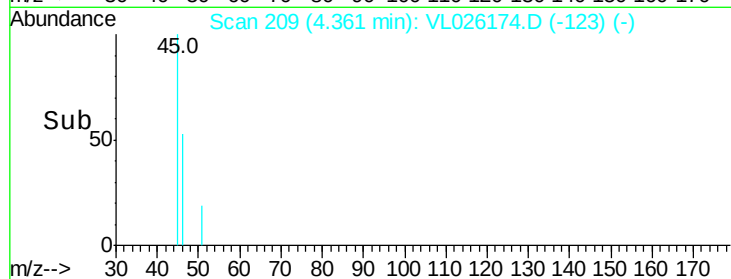
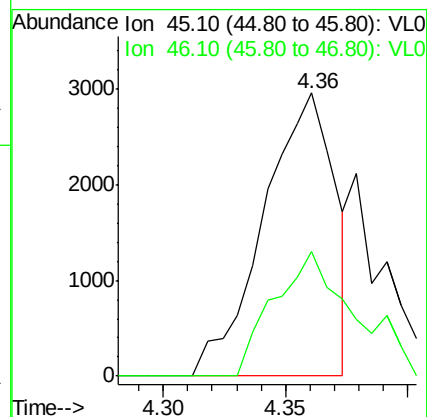
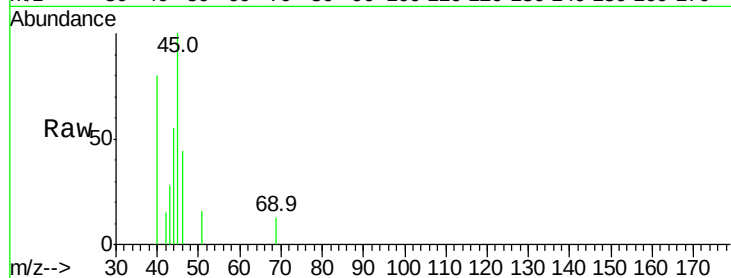
VSTDIC001

Tgt Ion: 45 Resp: 6034

Ion Ratio Lower Upper

45 100

46 49.5 18.1 72.5



#14

Bromoethene

Concen: 1.08 ppbv

RT: 4.46 min Scan# 225

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

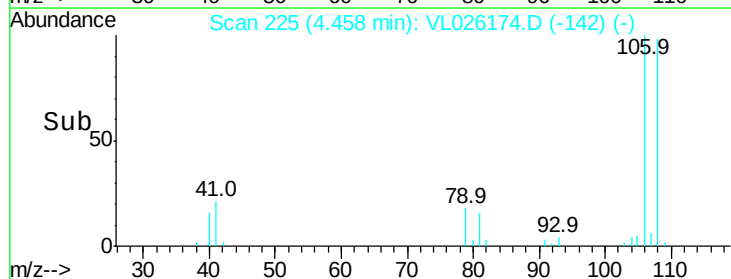
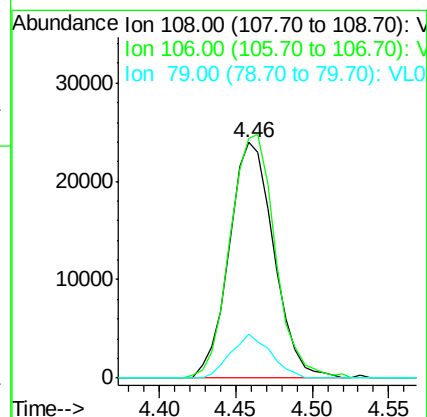
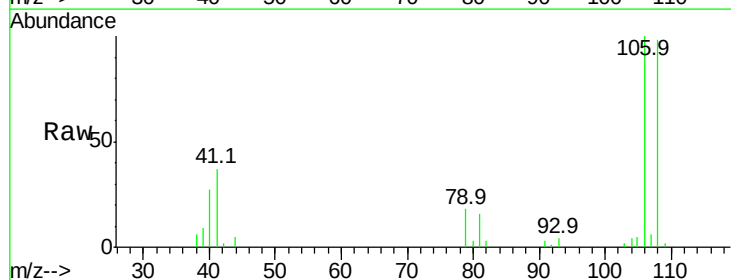
Tgt Ion: 108 Resp: 48572

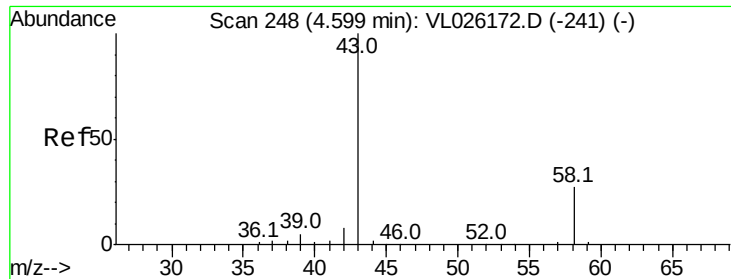
Ion Ratio Lower Upper

108 100

106 104.4 85.9 128.9

79 16.5 14.0 21.0





#15

Acetone

Concen: 1.12 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

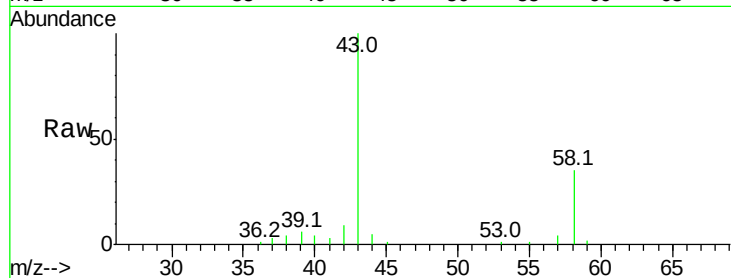
VSTDIC001

Tgt Ion: 43 Resp: 129038

Ion Ratio Lower Upper

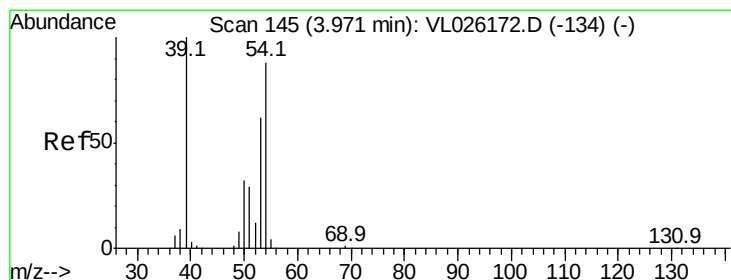
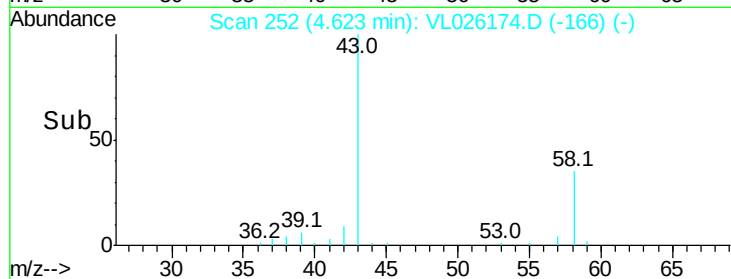
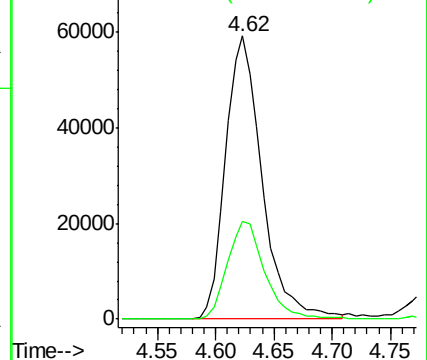
43 100

58 35.1 22.0 33.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.00 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL026174.D

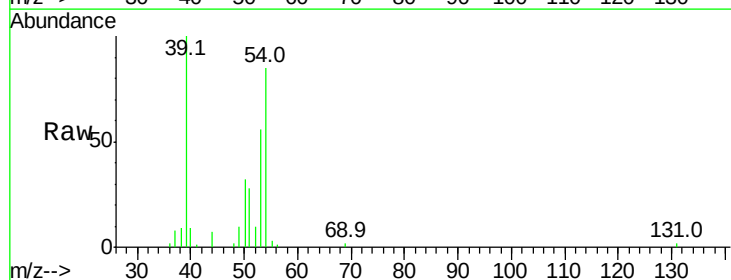
Acq: 9 Oct 2015 12:19

Tgt Ion: 39 Resp: 57473

Ion Ratio Lower Upper

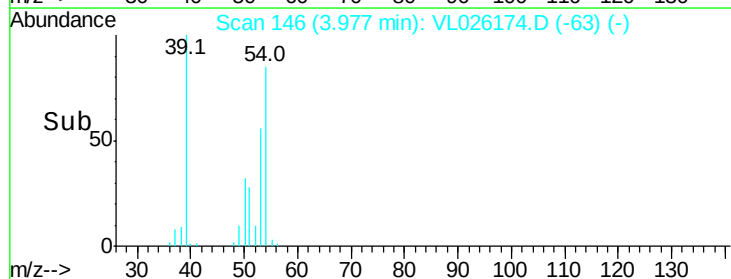
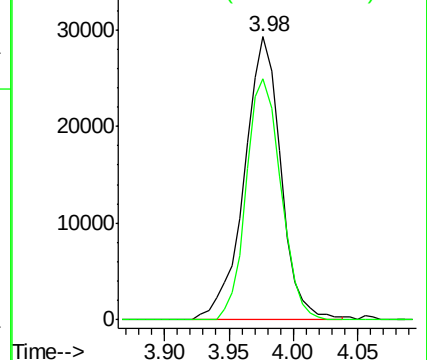
39 100

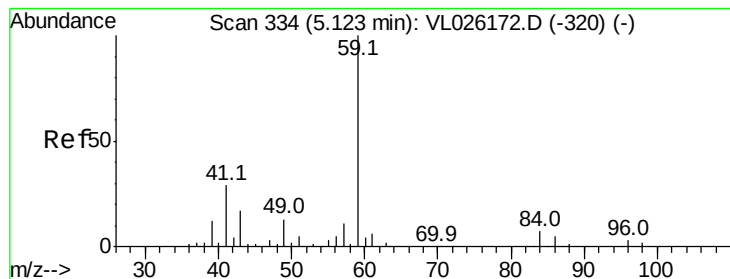
54 80.5 67.9 101.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 0.96 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.04 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

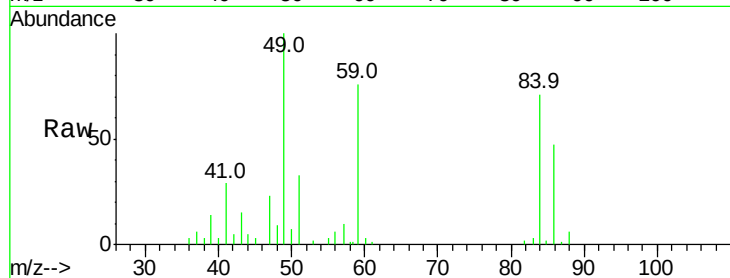
VSTDIC001

Tgt Ion: 59 Resp: 71887

Ion Ratio Lower Upper

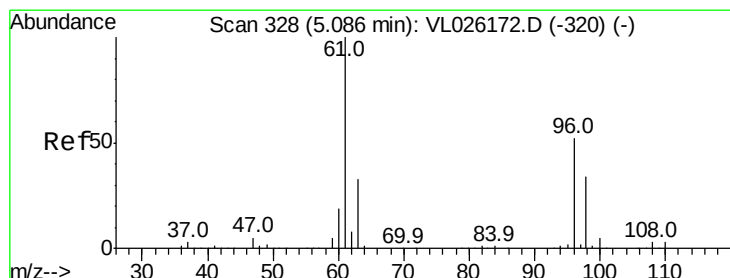
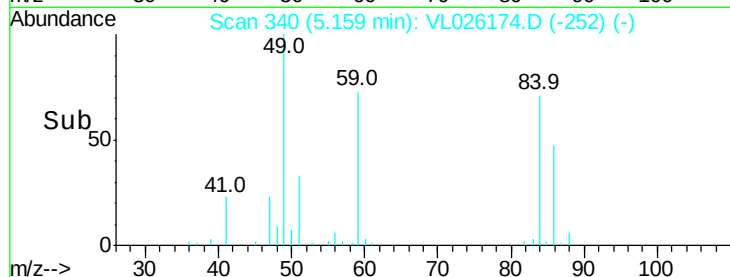
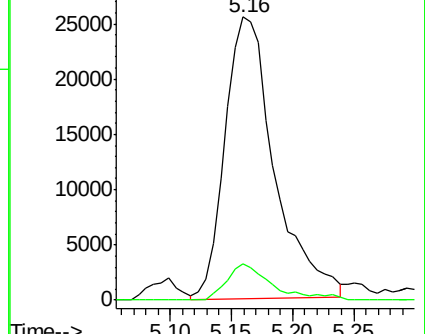
59 100

57 11.8 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 1.07 ppbv

RT: 5.09 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

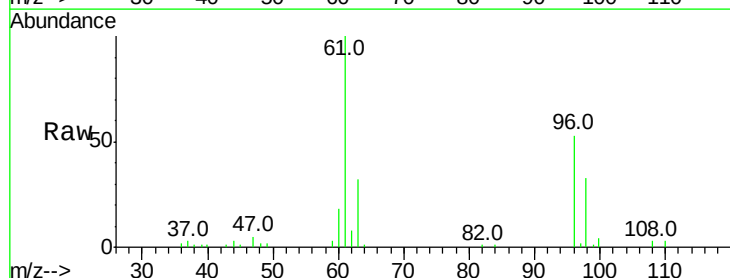
Tgt Ion: 96 Resp: 52916

Ion Ratio Lower Upper

96 100

61 188.4 153.2 229.8

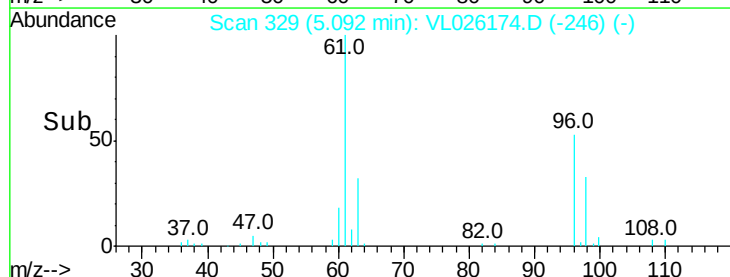
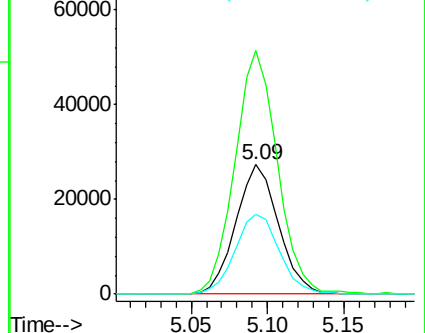
98 61.4 52.1 78.1

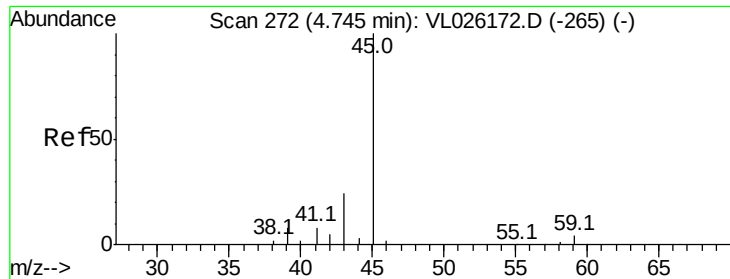


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.05 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.04 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

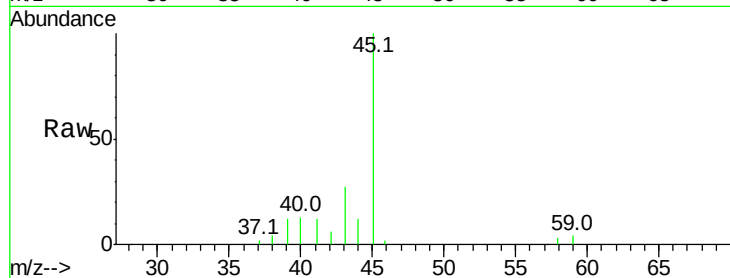
VSTDIC001

Tgt Ion: 45 Resp: 50895

Ion Ratio Lower Upper

45 100

58 89.1 1.7 2.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.78

20000

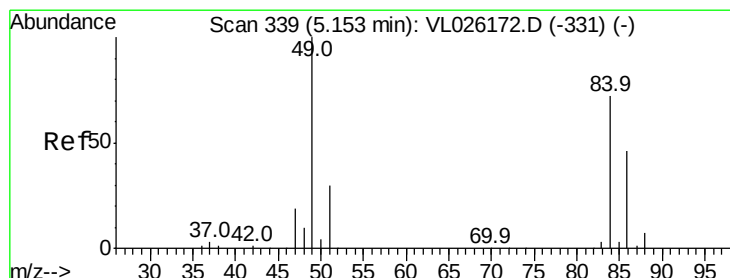
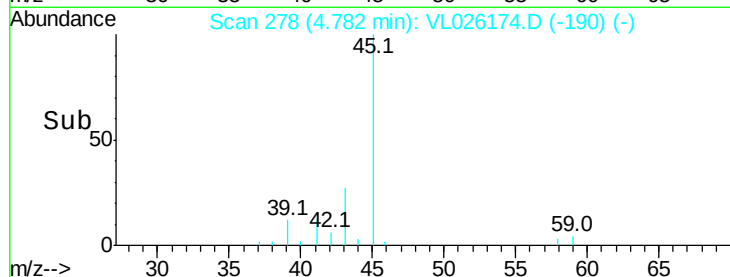
15000

10000

5000

0

Time-->



#20

Methylene Chloride

Concen: 1.05 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 84 Resp: 51737

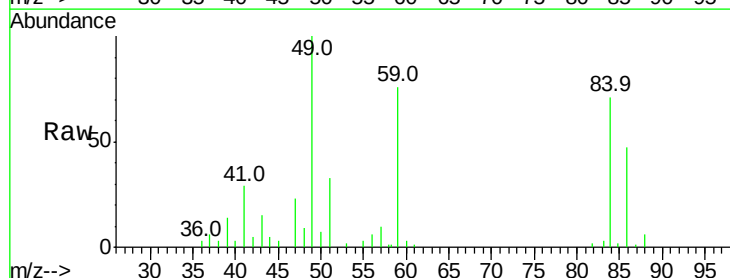
Ion Ratio Lower Upper

84 100

49 138.3 111.3 166.9

51 46.5 33.0 49.6

86 65.4 51.6 77.4



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

5.16

50000

40000

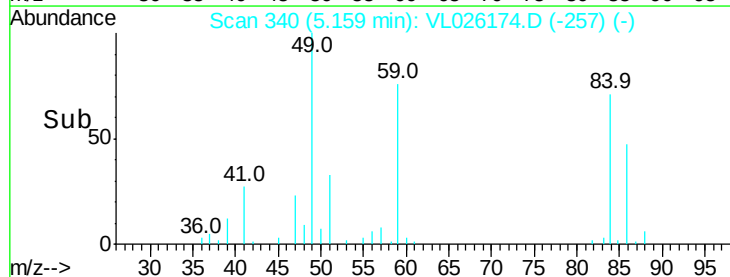
30000

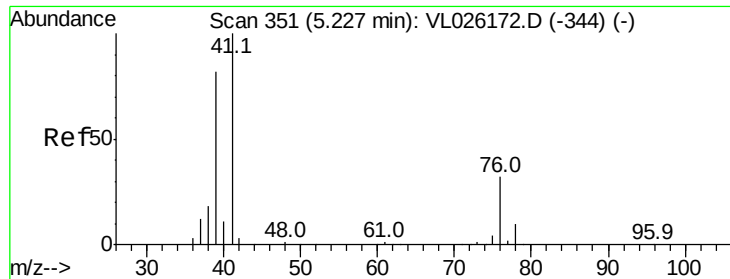
20000

10000

0

Time-->

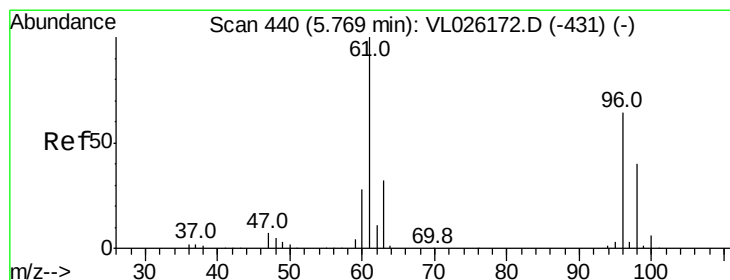
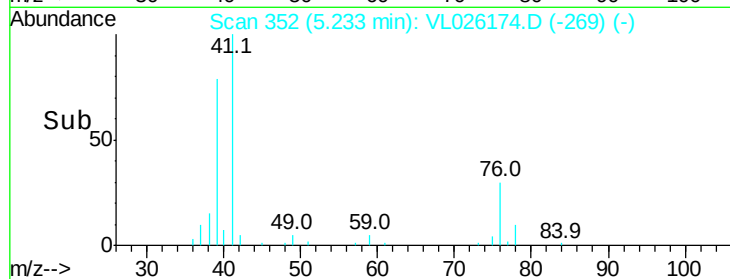
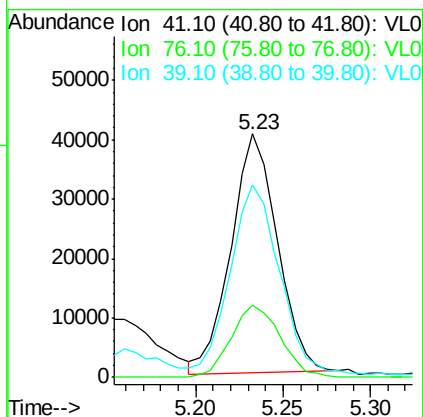
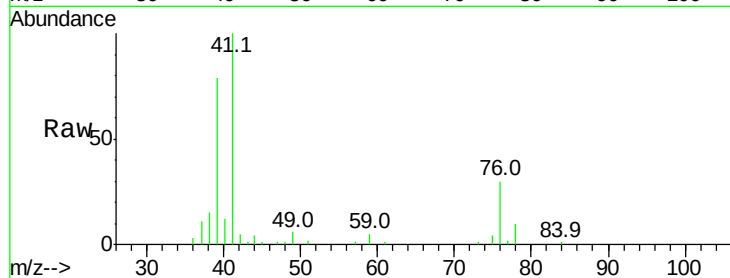




#21
 Allyl Chloride
 Concen: 0.93 ppbv
 RT: 5.23 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

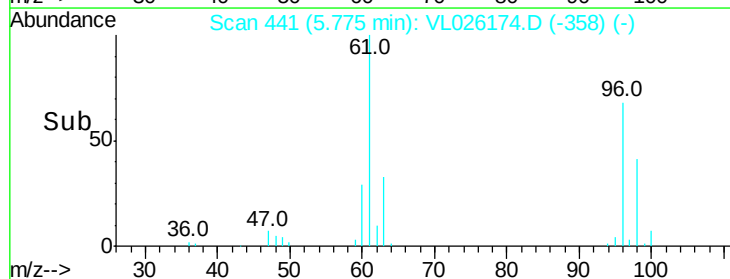
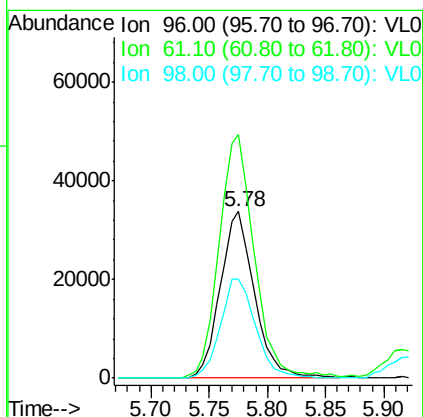
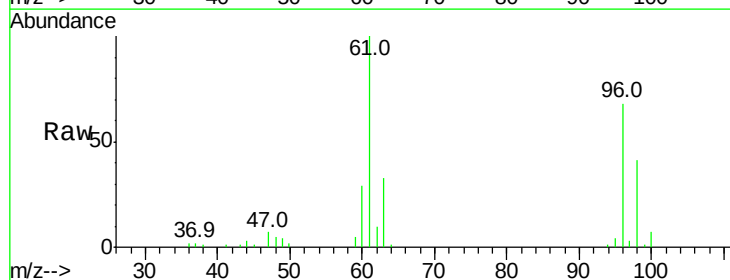
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

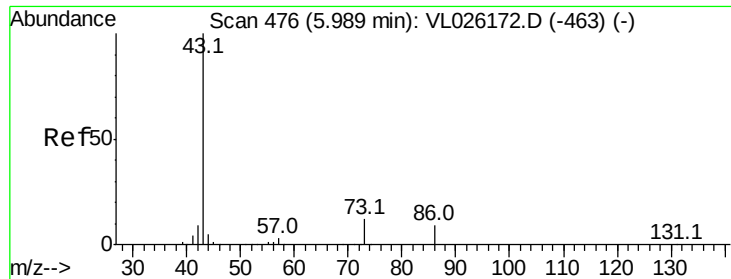
Tgt Ion: 41 Resp: 74181
 Ion Ratio Lower Upper
 41 100
 76 32.1 25.4 38.2
 39 106.4 66.5 99.7#



#22
 trans-1,2-Dichloroethene
 Concen: 1.04 ppbv
 RT: 5.78 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion: 96 Resp: 68705
 Ion Ratio Lower Upper
 96 100
 61 145.0 125.8 188.6
 98 59.4 50.6 75.8





#23

Vinyl Acetate

Concen: 0.96 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 210724

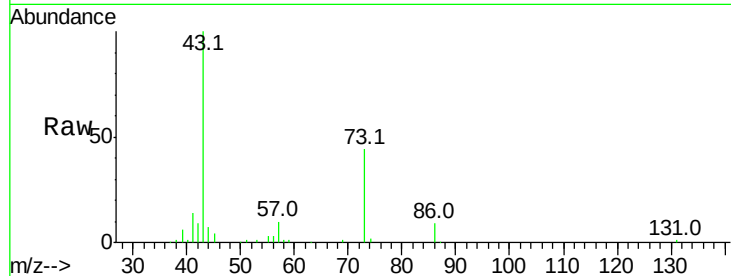
Ion Ratio Lower Upper

43 100

86 8.3 7.2 10.8

42 9.1 7.4 11.2

44 5.3 3.9 5.9

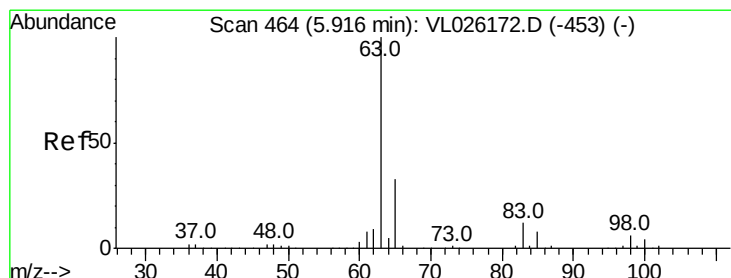
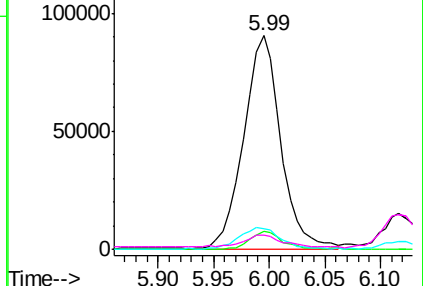
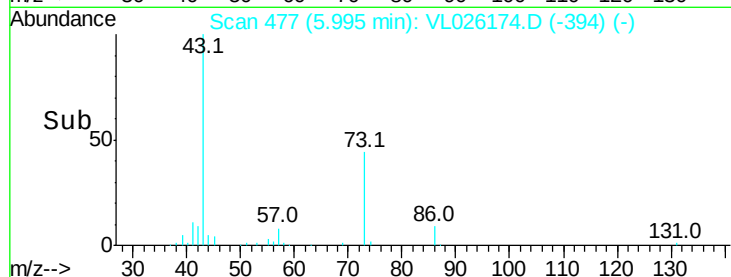


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.02 ppbv

RT: 5.92 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

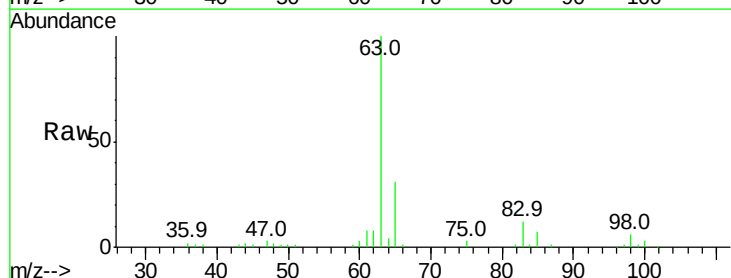
Tgt Ion: 63 Resp: 150368

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

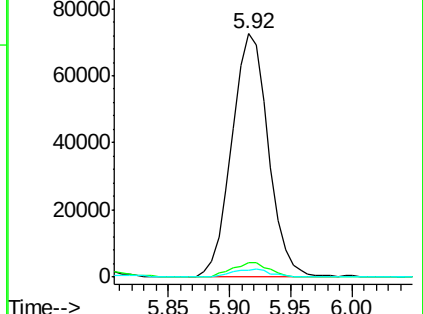
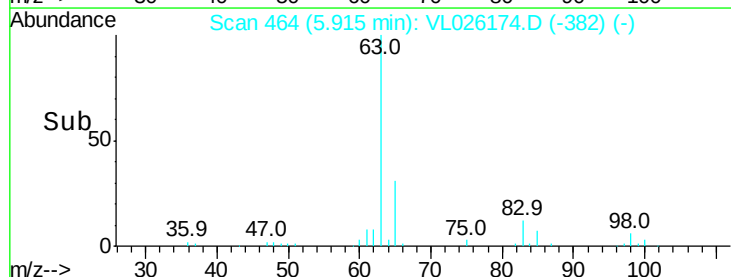
100 2.6 1.8 5.5

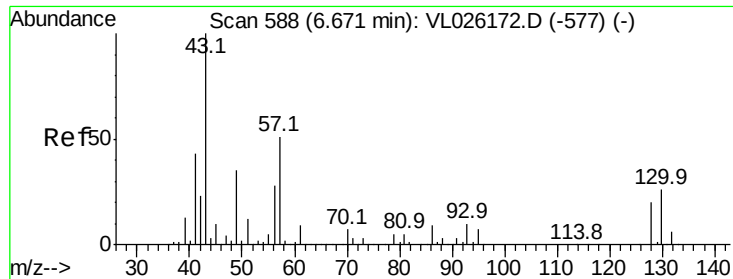


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

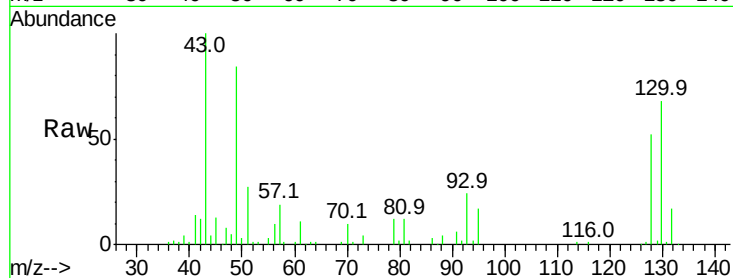




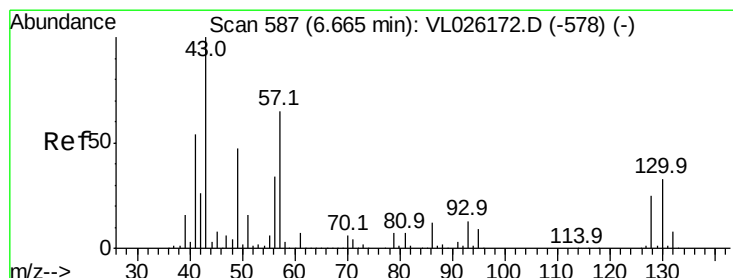
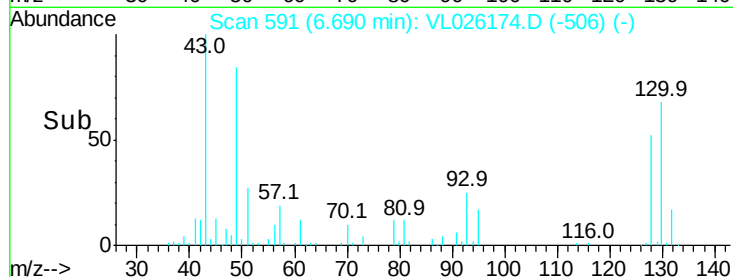
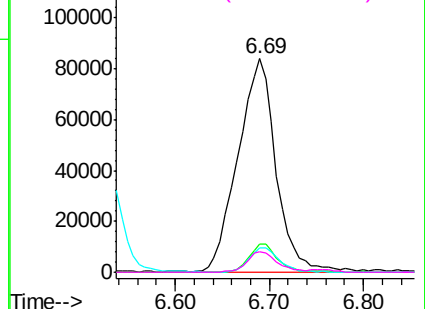
#25
Ethyl Acetate
Concen: 0.97 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.02 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:	43	Resp:	237017
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.7	11.5
61	9.2	7.4	11.2
70	8.4	6.6	9.8

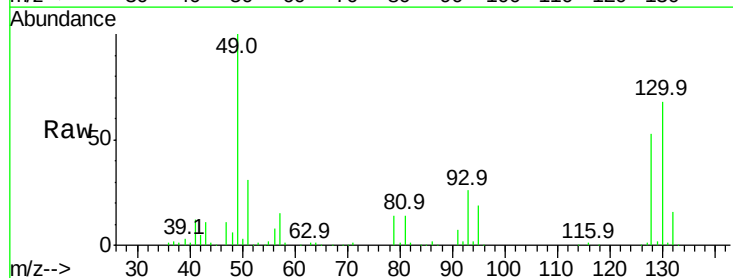


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

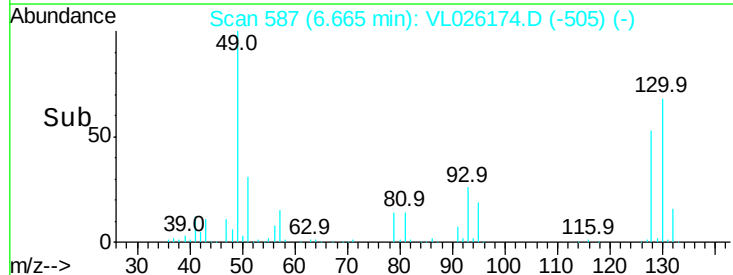
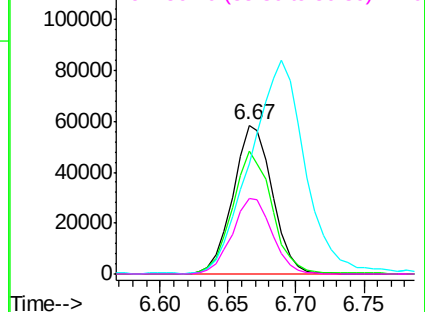


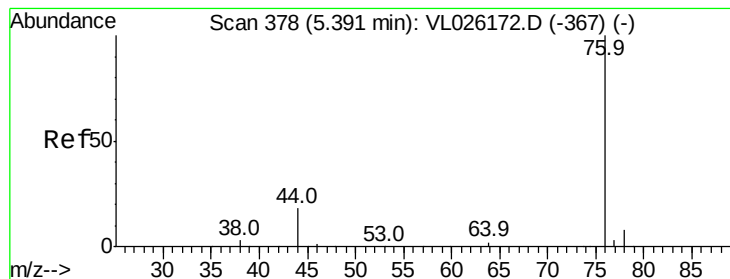
#26
Hexane
Concen: 1.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion:	57	Resp:	117719
Ion	Ratio	Lower	Upper
57	100		
41	83.7	68.0	102.0
43	205.9	164.4	246.6
56	51.6	42.7	64.1



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: 1.02 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

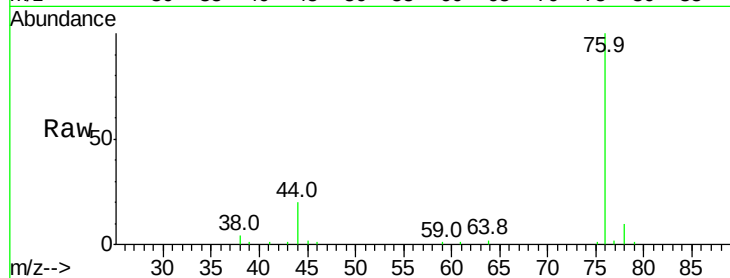
Tgt Ion: 76 Resp: 127850

Ion Ratio Lower Upper

76 100

44 22.0 14.2 21.4#

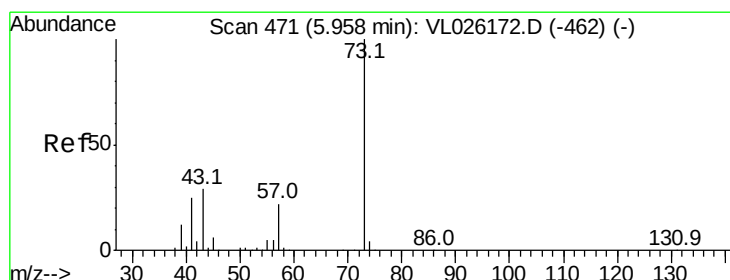
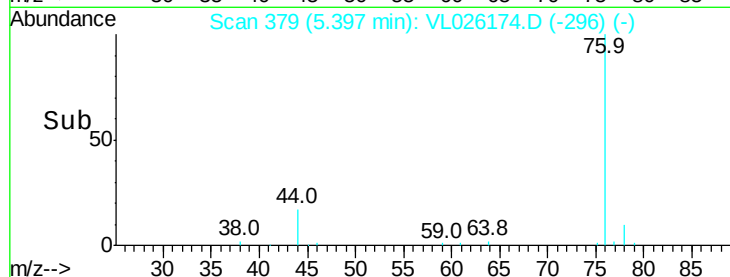
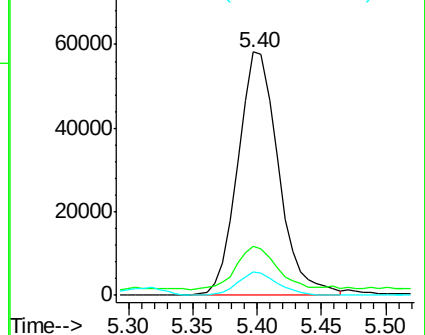
78 9.3 7.5 11.3



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: 1.02 ppbv

RT: 5.98 min Scan# 474

Delta R.T. 0.02 min

Lab File: VL026174.D

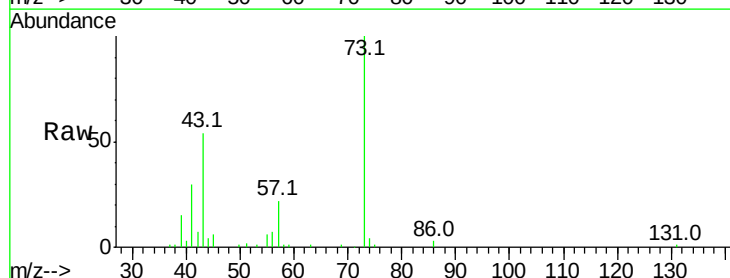
Acq: 9 Oct 2015 12:19

Tgt Ion: 73 Resp: 181565

Ion Ratio Lower Upper

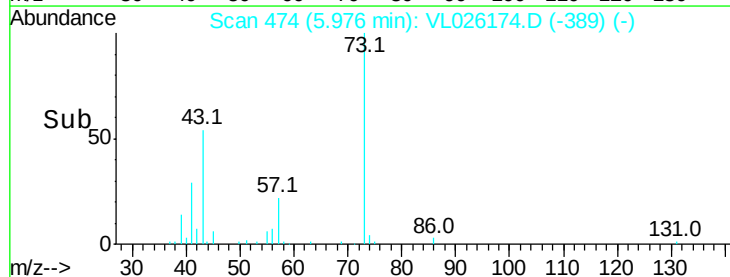
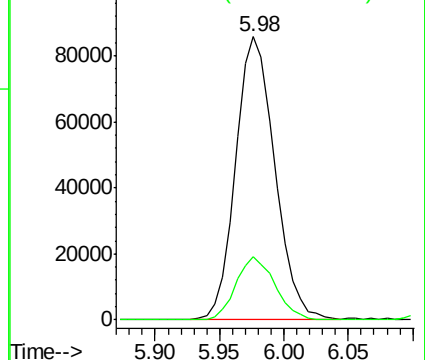
73 100

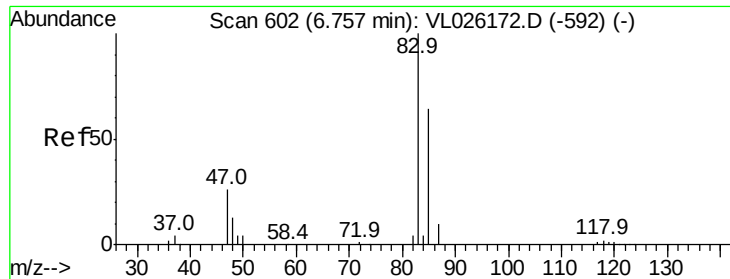
57 22.2 17.8 26.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.05 ppbv

RT: 6.75 min Scan# 601

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

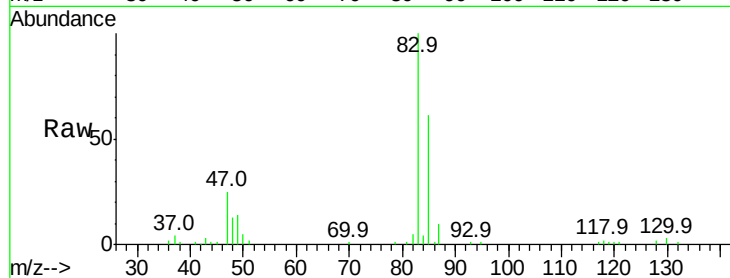
VSTDIC001

Tgt Ion: 83 Resp: 171948

Ion Ratio Lower Upper

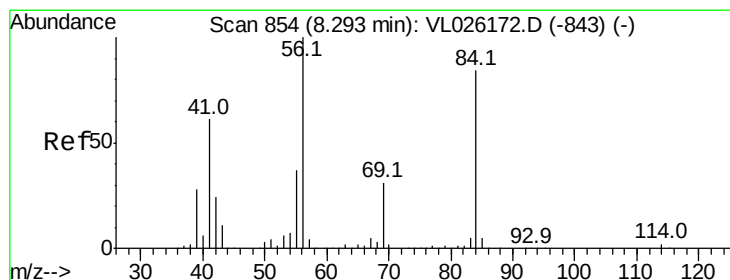
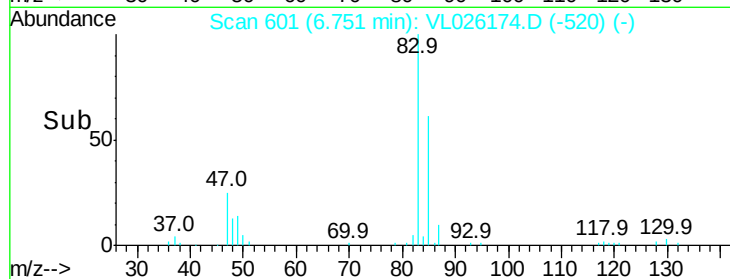
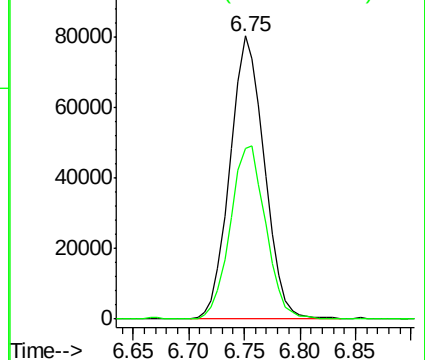
83 100

85 60.5 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.96 ppbv

RT: 8.29 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

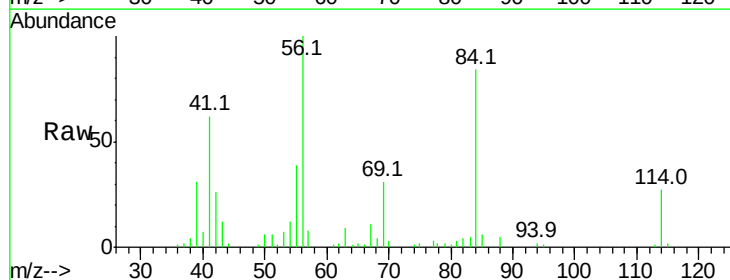
Tgt Ion: 84 Resp: 107623

Ion Ratio Lower Upper

84 100

56 162.0 99.8 149.8#

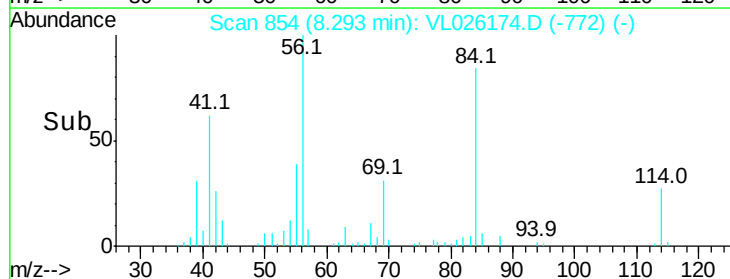
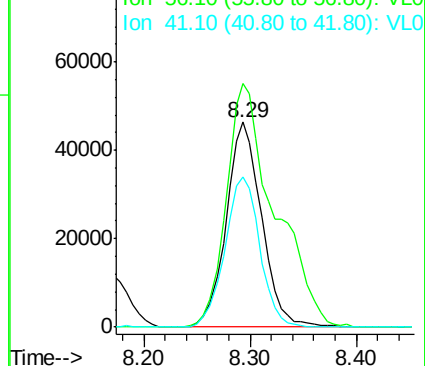
41 72.2 58.1 87.1

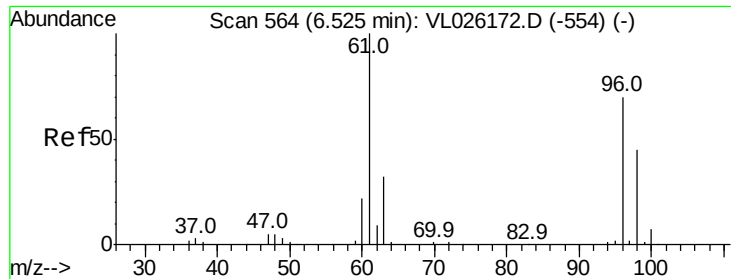


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.95 ppbv

RT: 6.53 min Scan# 564

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

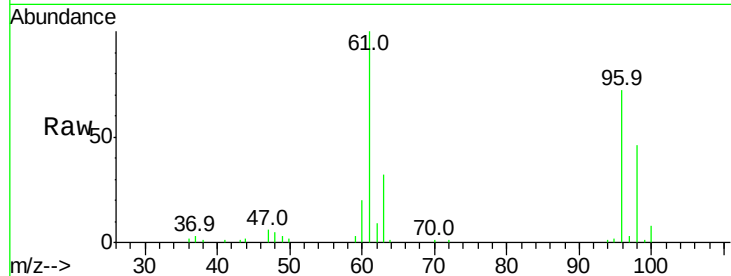
Tgt Ion: 61 Resp: 101788

Ion Ratio Lower Upper

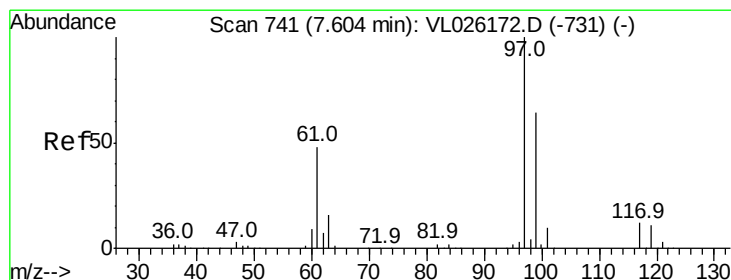
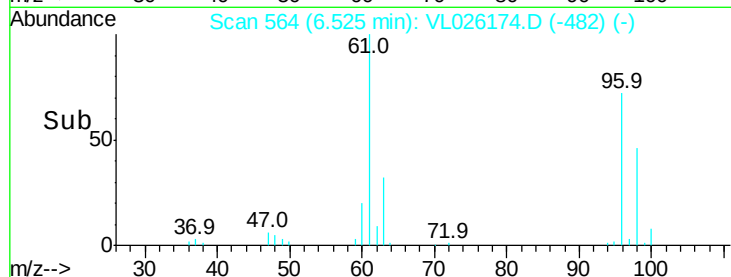
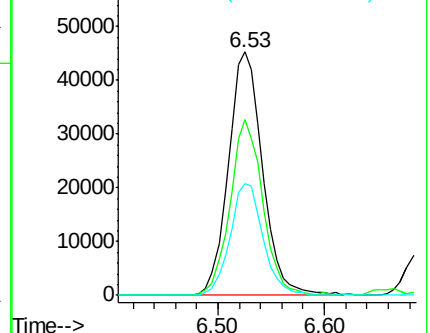
61 100

96 72.2 55.8 83.8

98 45.7 35.8 53.6



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



#32

1,1,1-Trichloroethane

Concen: 0.96 ppbv

RT: 7.60 min Scan# 741

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

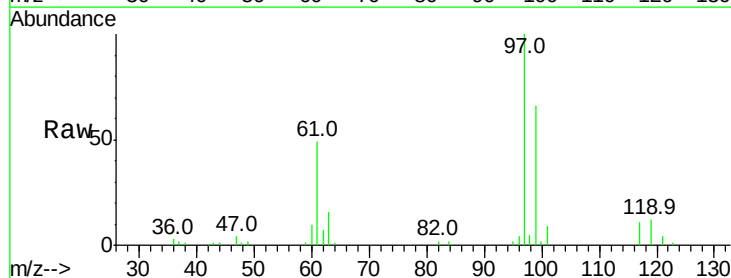
Tgt Ion: 97 Resp: 157260

Ion Ratio Lower Upper

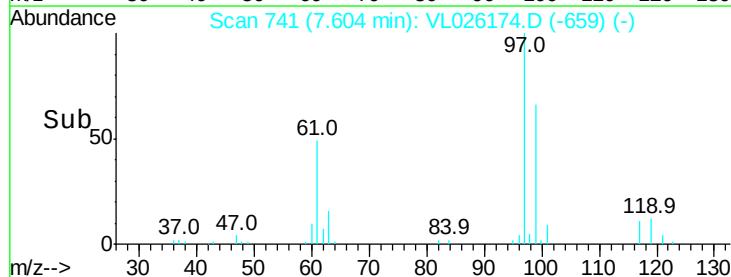
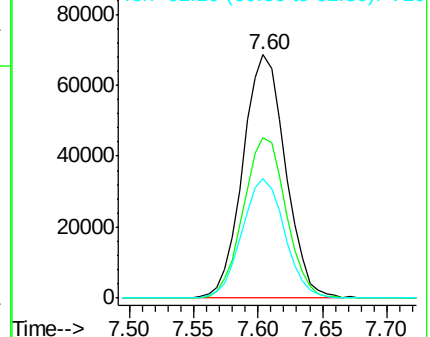
97 100

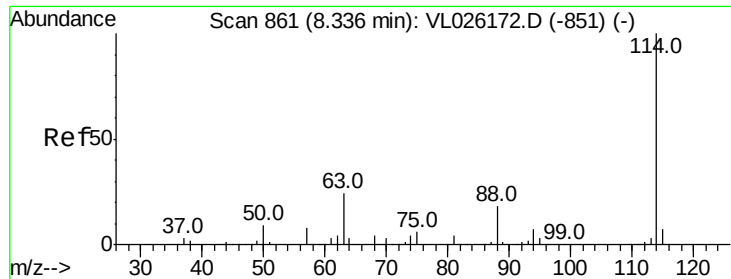
99 65.9 51.3 76.9

61 49.2 38.7 58.1



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

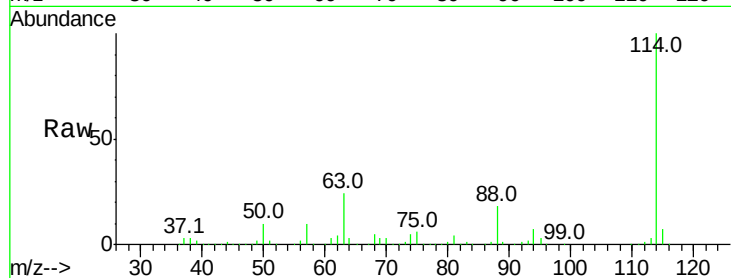




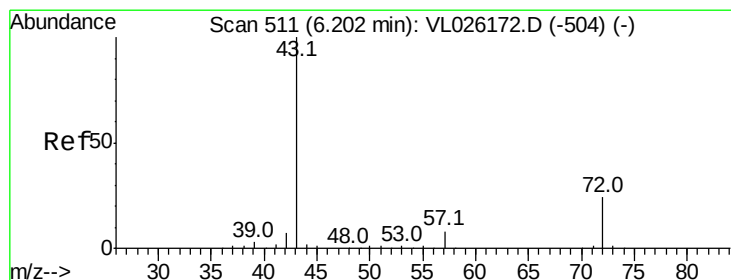
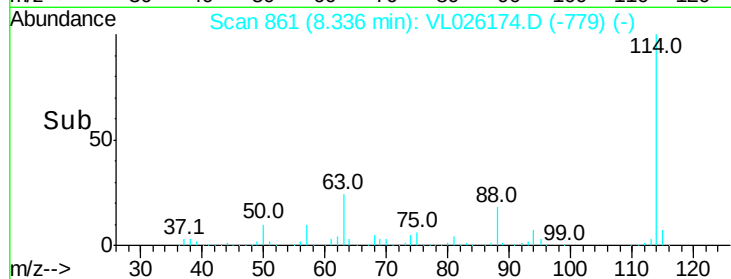
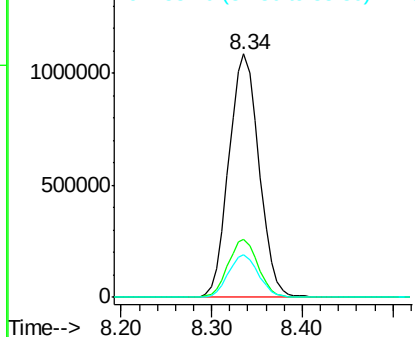
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion:114 Resp: 2510991
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.0 28.6
 88 17.4 13.8 20.8

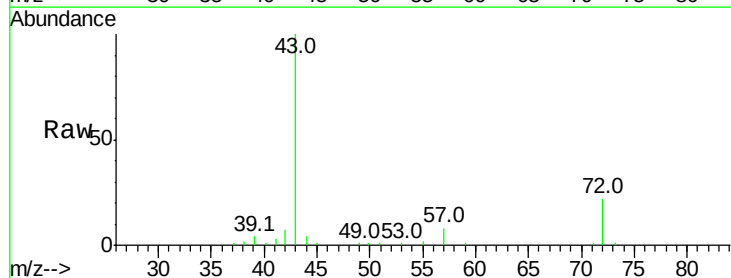


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

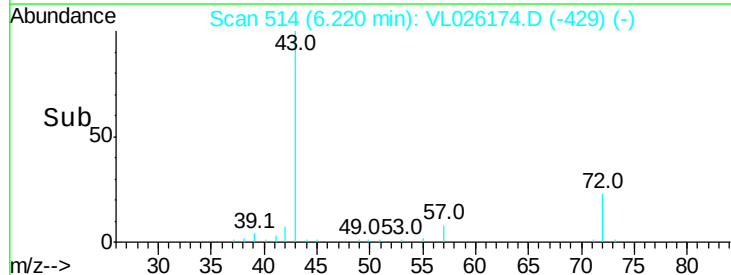
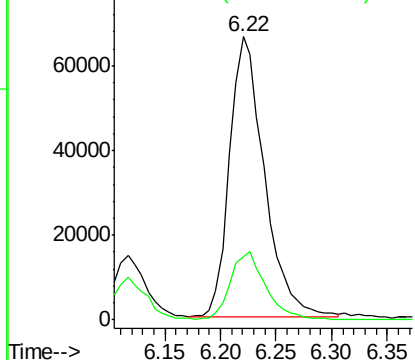


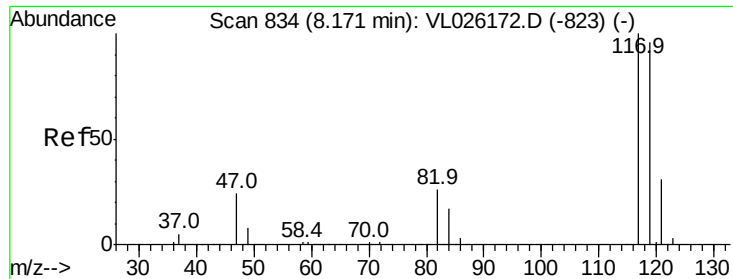
#34
 2-Butanone
 Concen: 0.89 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion: 43 Resp: 143821
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.6 29.4



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





#35

Carbon Tetrachloride

Concen: 0.97 ppbv

RT: 8.17 min Scan# 834

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

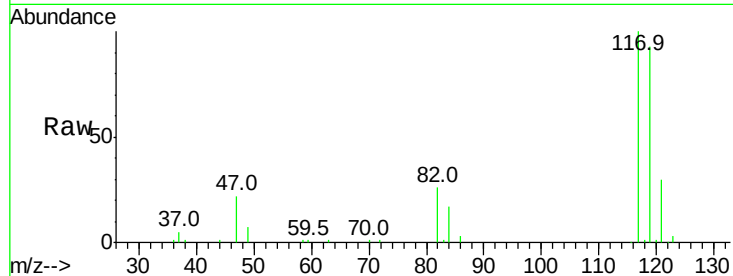
Tgt Ion:117 Resp: 162847

Ion Ratio Lower Upper

117 100

119 93.4 76.6 115.0

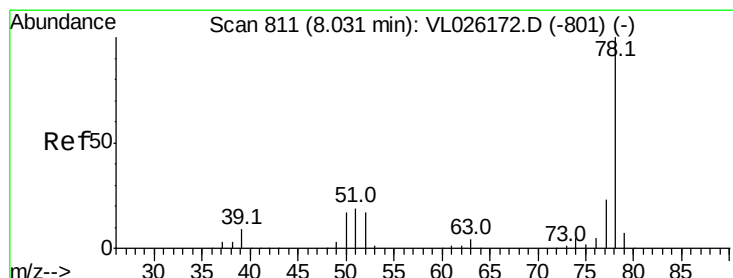
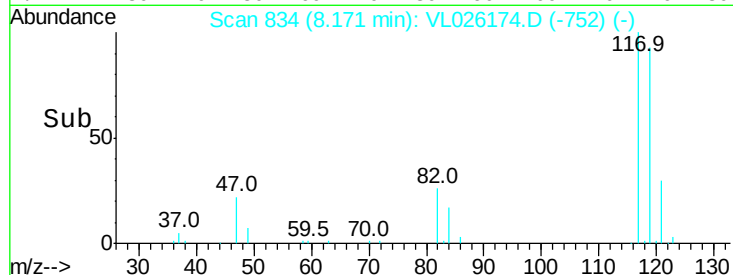
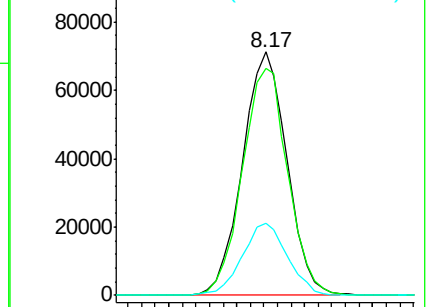
121 29.6 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.94 ppbv

RT: 8.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

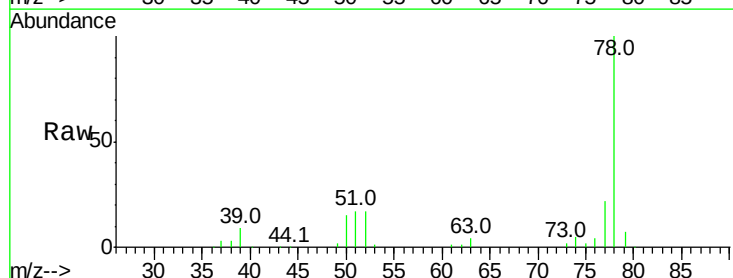
Tgt Ion: 78 Resp: 249310

Ion Ratio Lower Upper

78 100

77 22.2 18.2 27.4

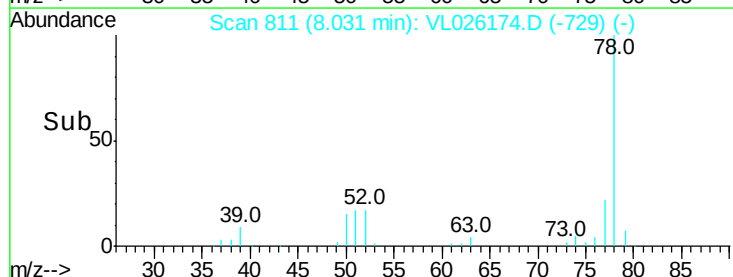
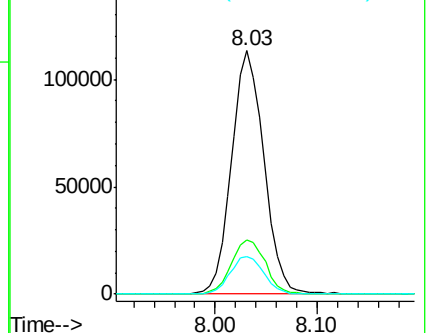
50 15.2 13.4 20.2

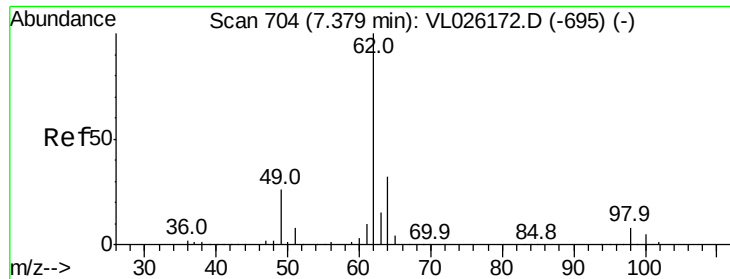


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 1.00 ppbv

RT: 7.38 min Scan# 705

Delta R.T. 0.01 min

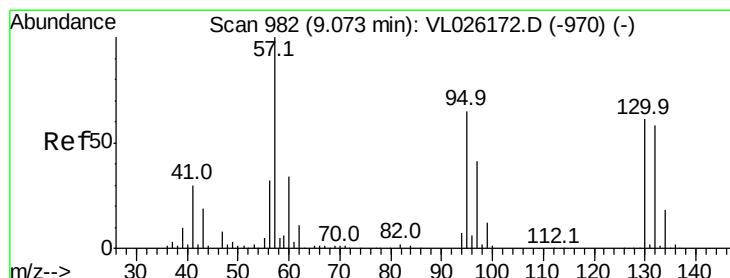
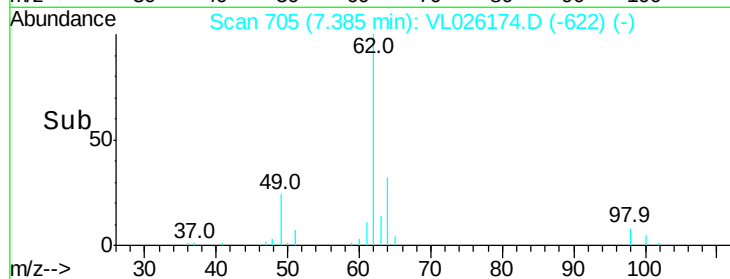
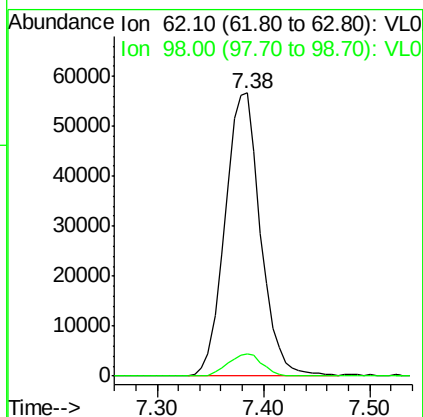
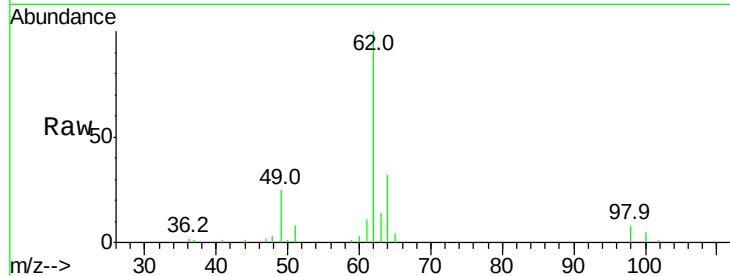
Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 132105

Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.2	9.2



#38

Trichloroethene

Concen: 0.93 ppbv

RT: 9.07 min Scan# 982

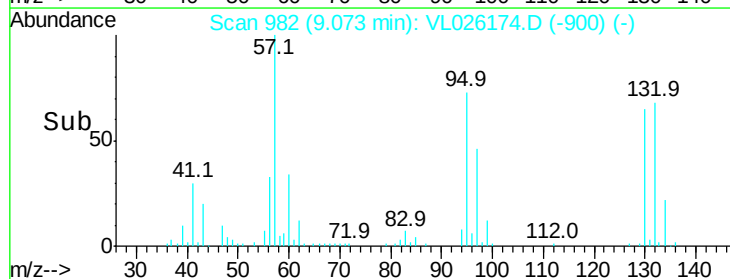
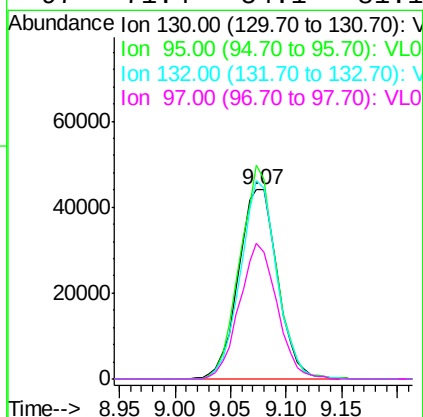
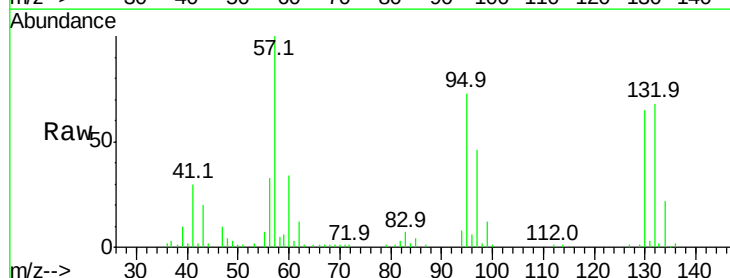
Delta R.T. -0.00 min

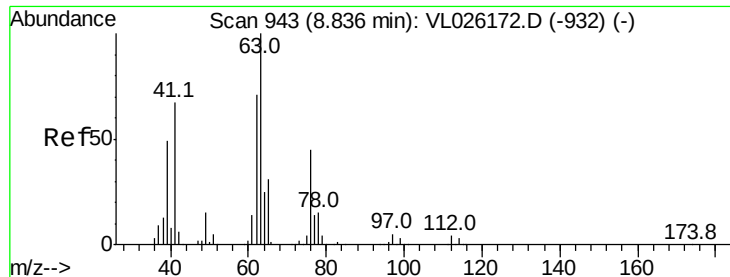
Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 130 Resp: 108319

Ion	Ratio	Lower	Upper
130	100		
95	112.8	84.9	127.3
132	104.7	76.8	115.2
97	71.4	54.1	81.1





#39

1,2-Dichloropropane

Concen: 0.92 ppbv

RT: 8.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

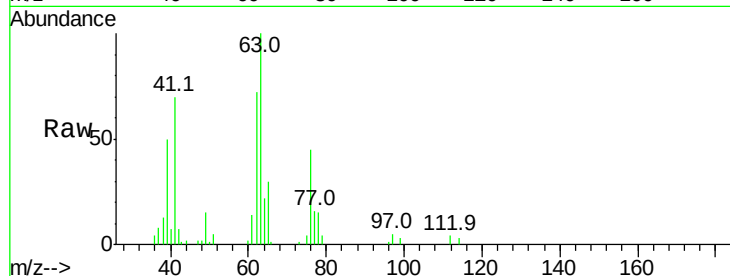
Tgt Ion: 63 Resp: 91268

Ion Ratio Lower Upper

63 100

41 70.1 53.9 80.9

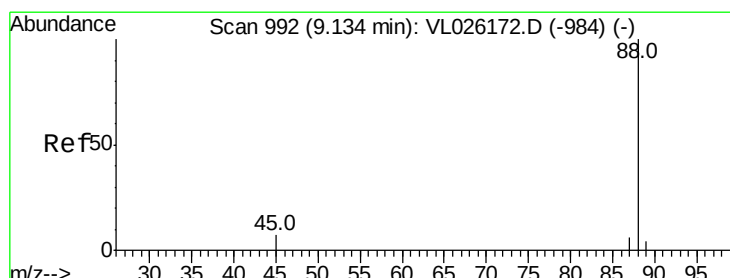
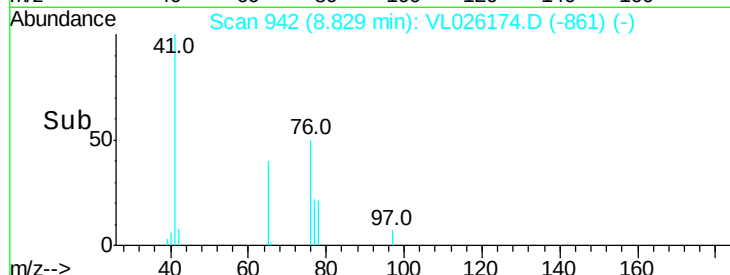
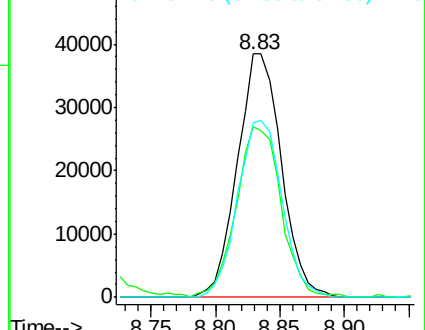
62 71.9 57.1 85.7



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: 0.98 ppbv

RT: 9.18 min Scan# 1000

Delta R.T. 0.05 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 88 Resp: 14267

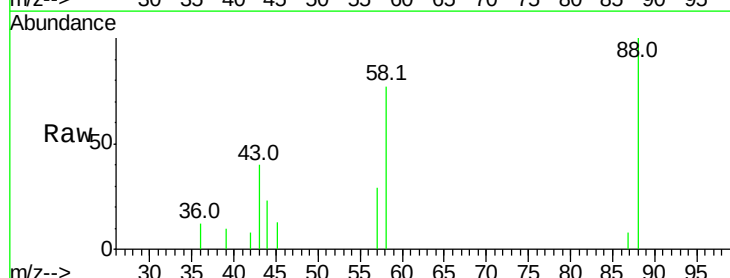
Ion Ratio Lower Upper

88 100

58 105.5 178.4 267.6#

43 0.0 510.2 765.4#

57 0.0 2564.2 3846.4#

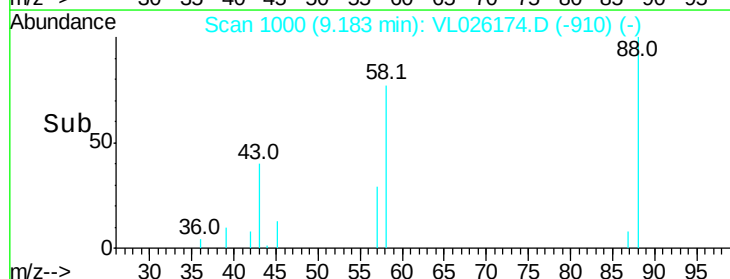
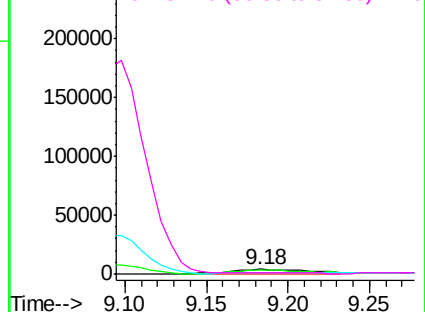


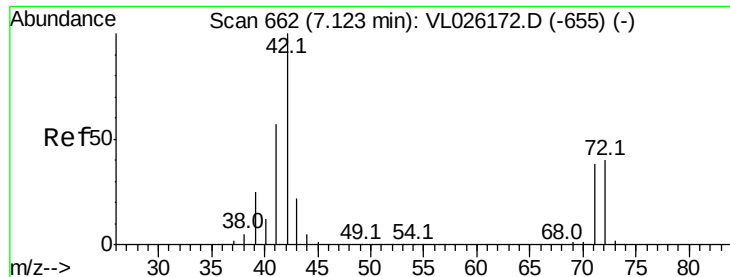
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.84 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.04 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

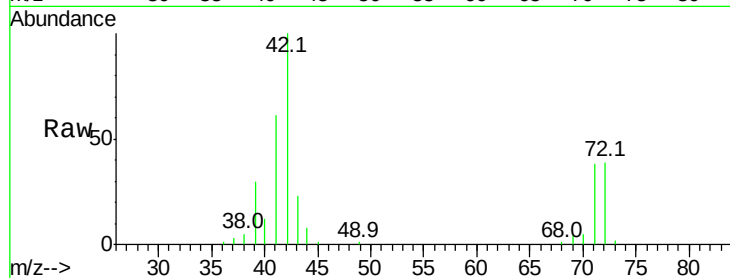
Tgt Ion: 42 Resp: 79225

Ion Ratio Lower Upper

42 100

72 38.1 32.4 48.6

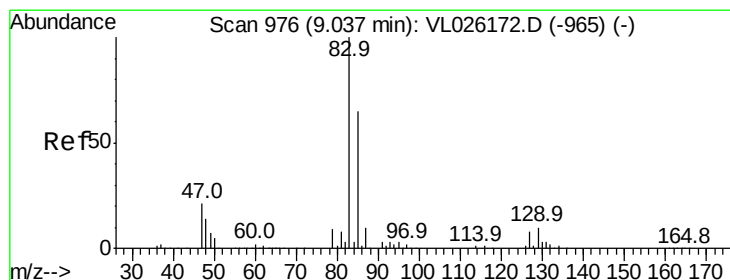
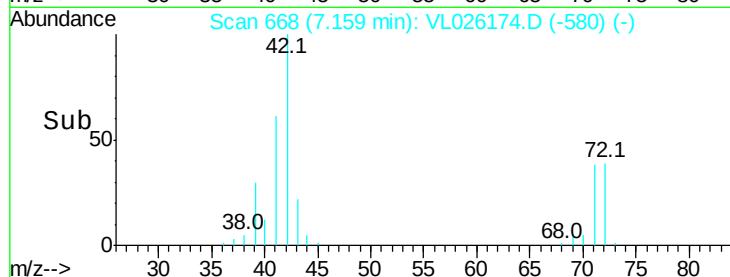
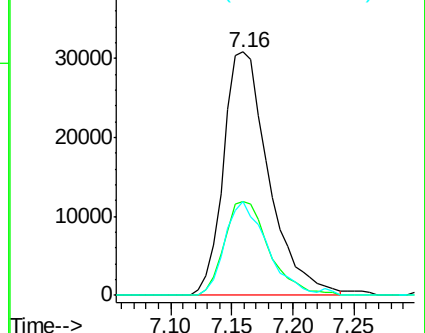
71 36.7 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.98 ppbv

RT: 9.03 min Scan# 975

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

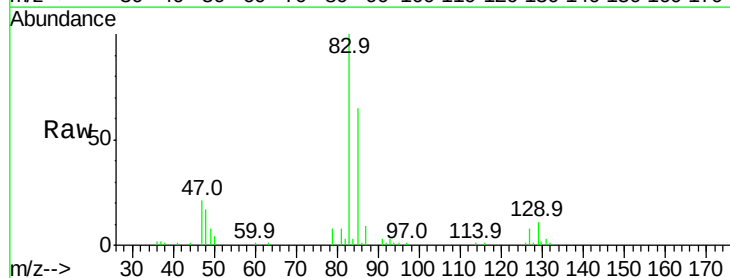
Tgt Ion: 83 Resp: 170799

Ion Ratio Lower Upper

83 100

85 65.4 51.9 77.9

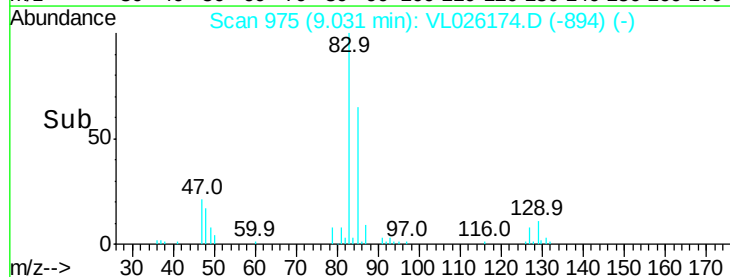
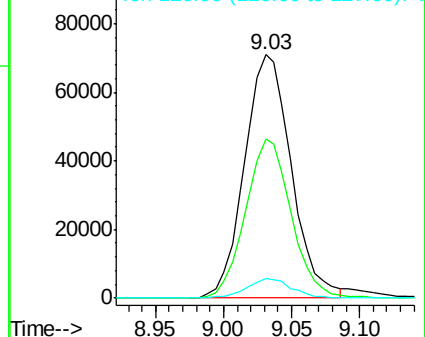
127 7.9 6.2 9.4

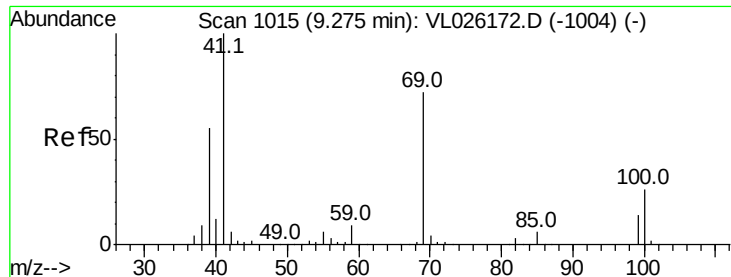


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.89 ppbv

RT: 9.28 min Scan# 1016

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

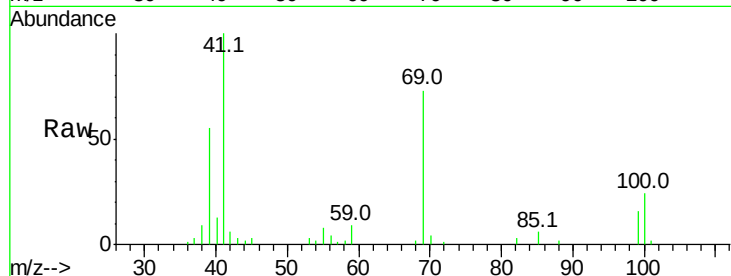
Tgt Ion: 69 Resp: 83685

Ion Ratio Lower Upper

69 100

41 138.4 111.5 167.3

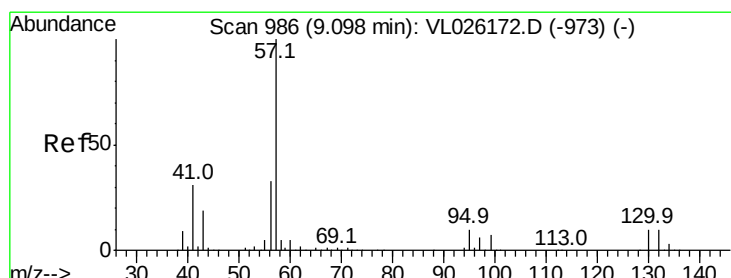
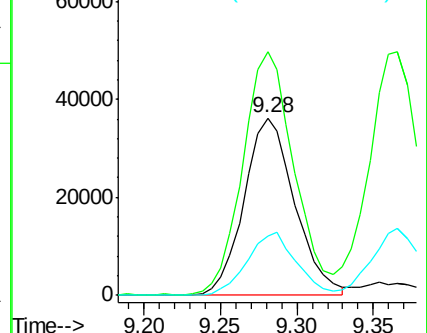
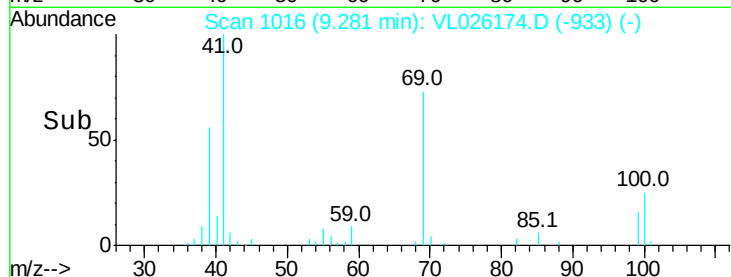
100 34.2 28.4 42.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.97 ppbv

RT: 9.10 min Scan# 986

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

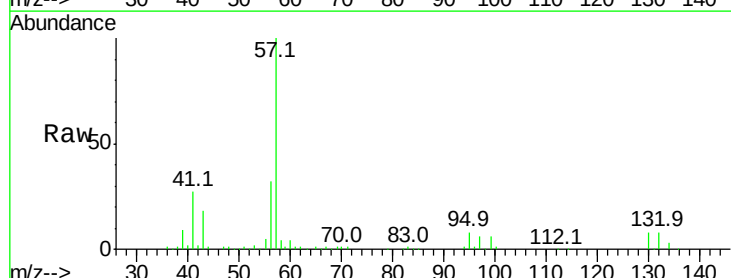
Tgt Ion: 57 Resp: 435054

Ion Ratio Lower Upper

57 100

41 28.7 23.7 35.5

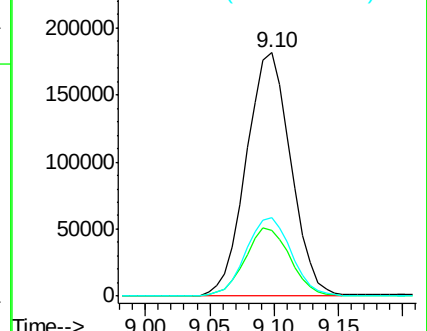
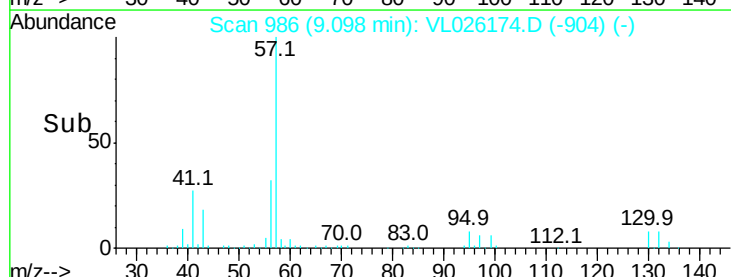
56 33.0 26.4 39.6

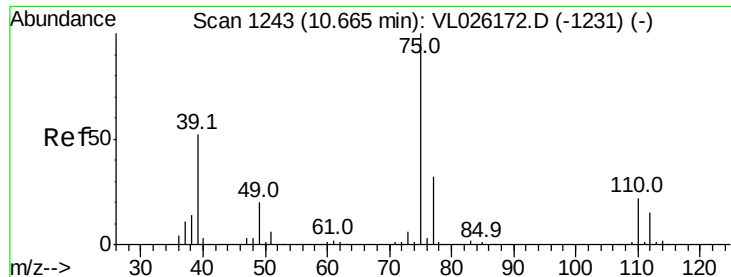


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.86 ppbv

RT: 10.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

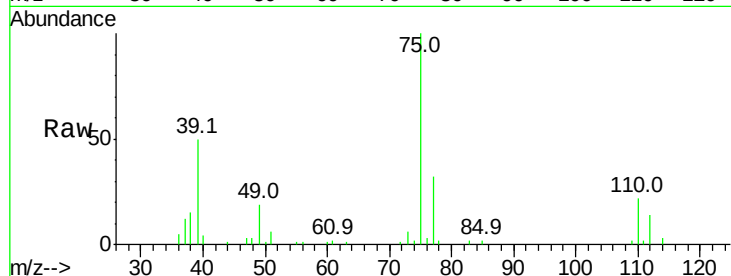
VSTDIC001

Tgt Ion: 75 Resp: 106457

Ion Ratio Lower Upper

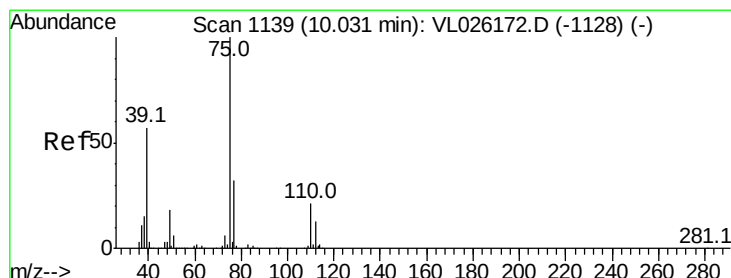
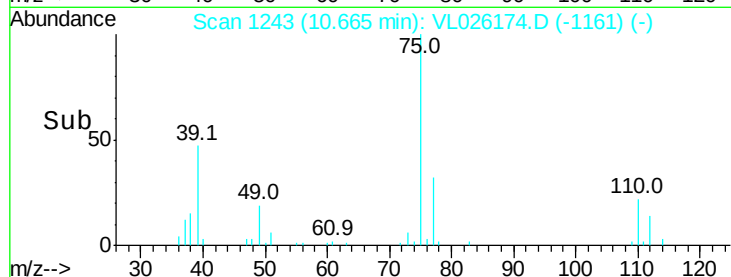
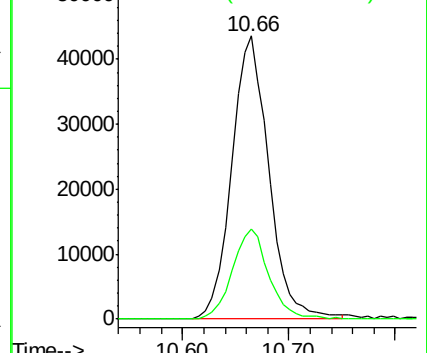
75 100

77 31.7 25.5 38.3



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.89 ppbv

RT: 10.03 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

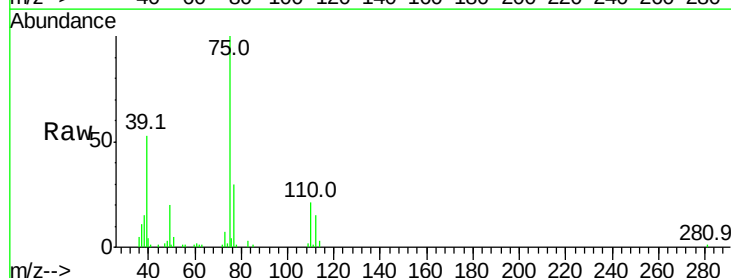
Tgt Ion: 75 Resp: 136920

Ion Ratio Lower Upper

75 100

39 52.9 45.4 68.2

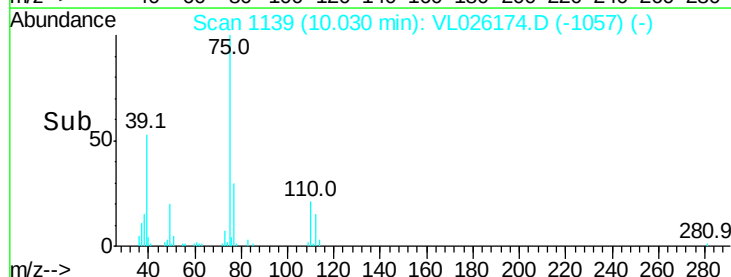
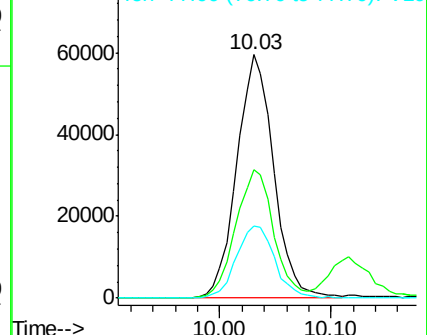
77 29.8 25.4 38.2

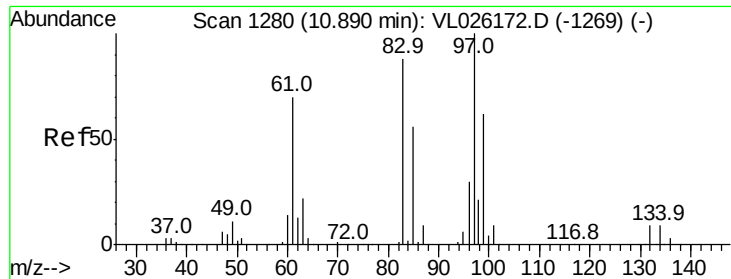


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

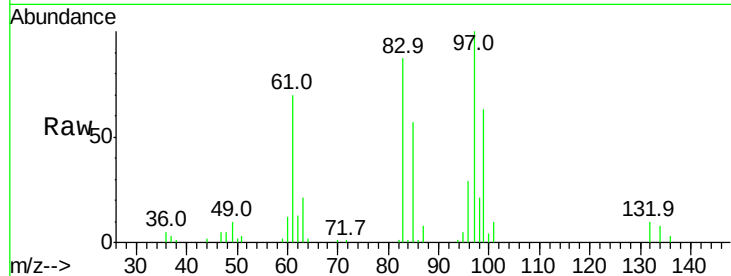




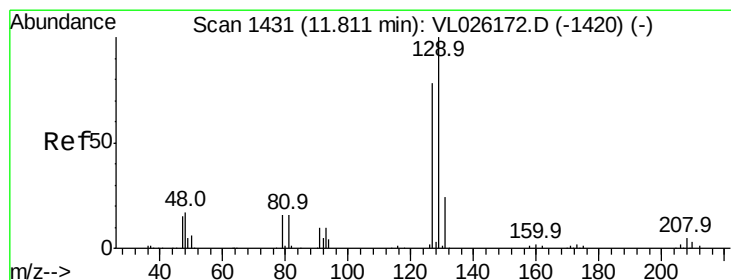
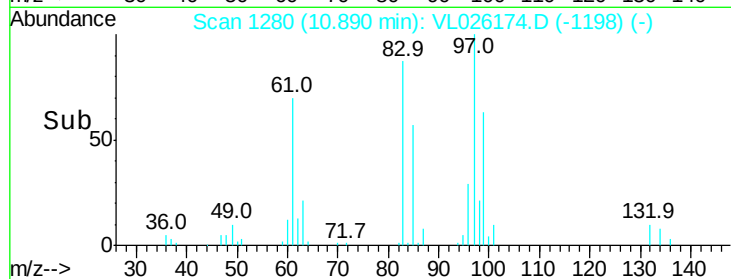
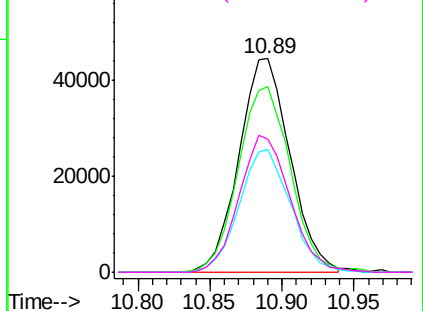
#47
 1,1,2-Trichloroethane
 Concen: 0.97 ppbv
 RT: 10.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 97 Resp: 109575
 Ion Ratio Lower Upper
 97 100
 83 85.8 70.6 106.0
 85 57.3 45.1 67.7
 99 62.6 49.9 74.9

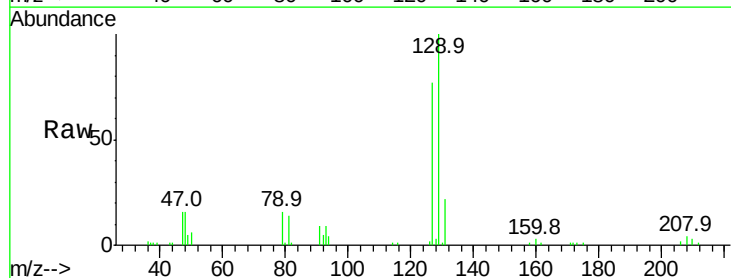


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

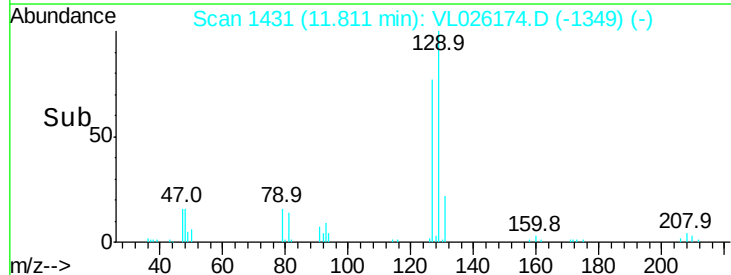
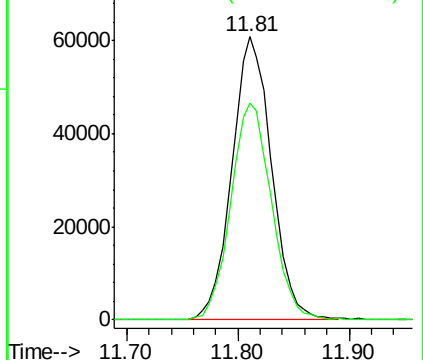


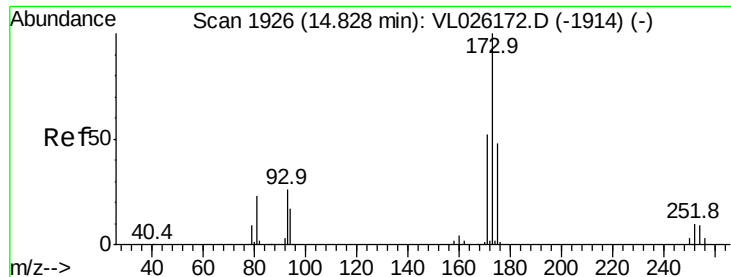
#48
 Dibromochloromethane
 Concen: 0.98 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion: 129 Resp: 150205
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.0 117.0



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

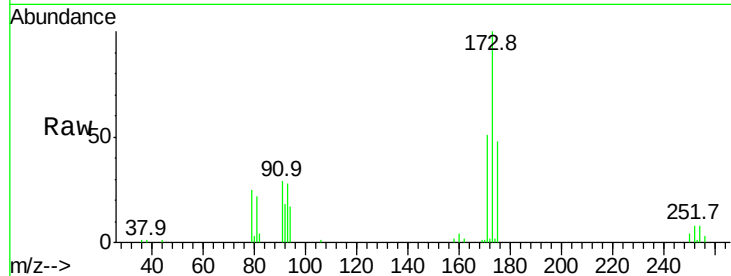




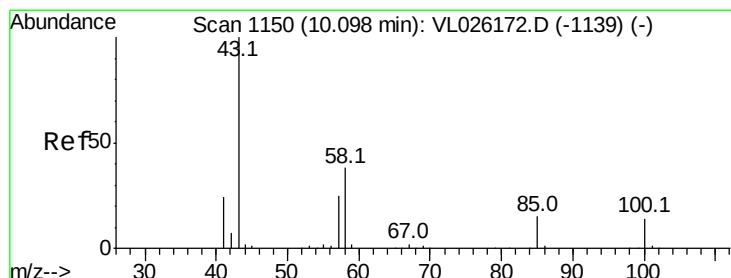
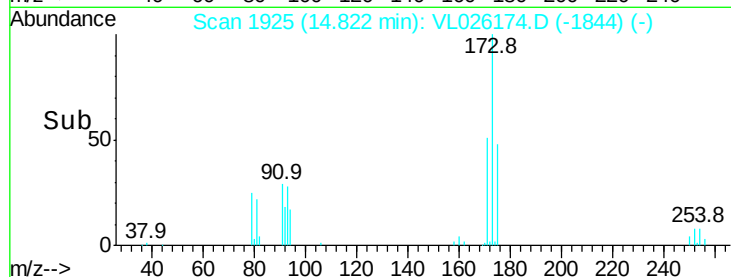
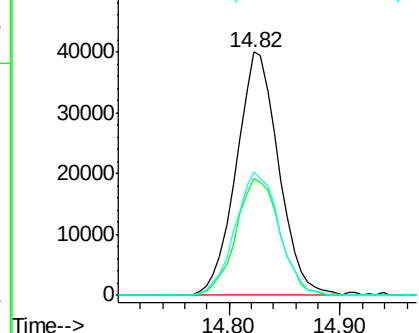
#49
Bromoform
Concen: 0.93 ppbv
RT: 14.82 min Scan# 1925
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 173 Resp: 105665
Ion Ratio Lower Upper
173 100
175 49.6 39.0 58.6
171 52.7 41.9 62.9

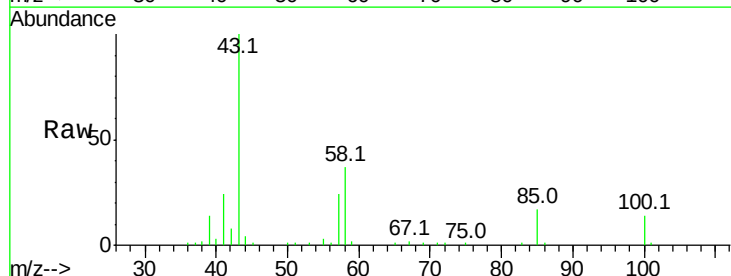


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

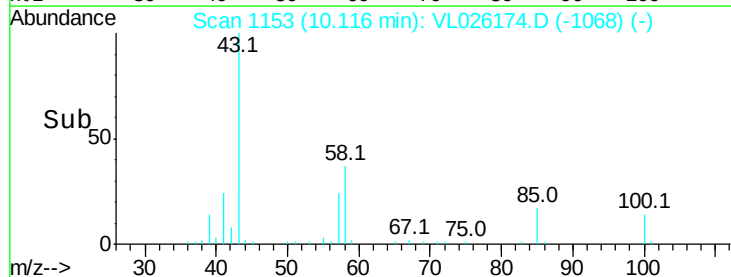
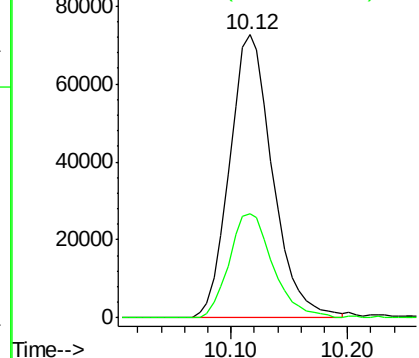


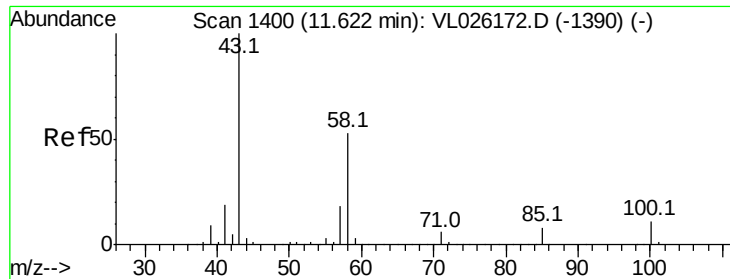
#50
4-Methyl-2-Pentanone
Concen: 0.86 ppbv
RT: 10.12 min Scan# 1153
Delta R.T. 0.02 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 43 Resp: 186578
Ion Ratio Lower Upper
43 100
58 37.4 30.4 45.6



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





#51

2-Hexanone

Concen: 0.82 ppbv

RT: 11.65 min Scan# 1405

Delta R.T. 0.03 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

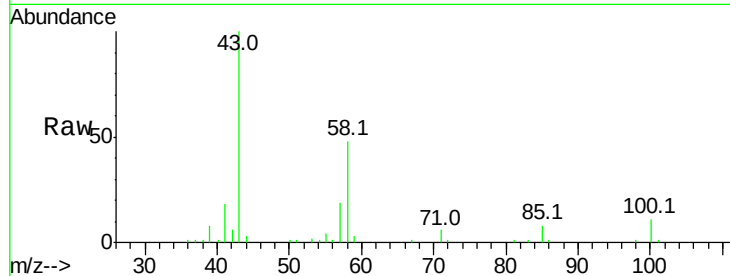
Tgt Ion: 43 Resp: 161772

Ion Ratio Lower Upper

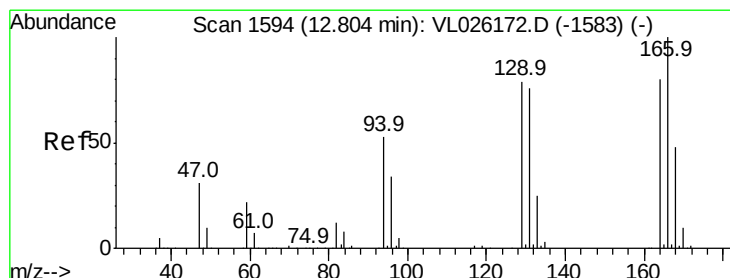
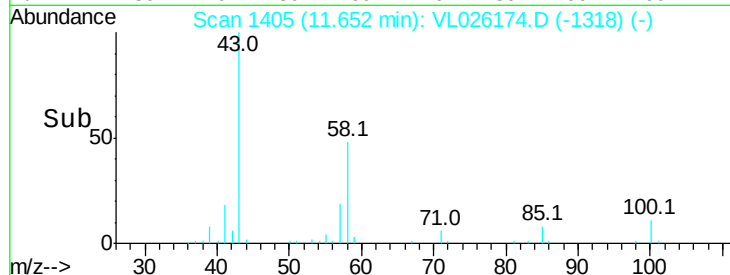
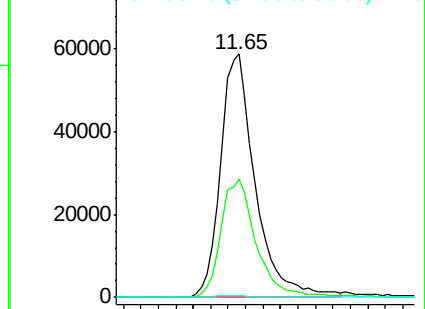
43 100

58 49.6 42.2 63.4

98 0.6 0.2 0.2#



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



#52

Tetrachloroethene

Concen: 0.93 ppbv

RT: 12.80 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 164 Resp: 112683

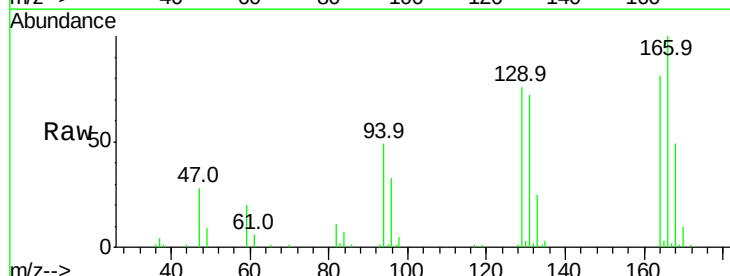
Ion Ratio Lower Upper

164 100

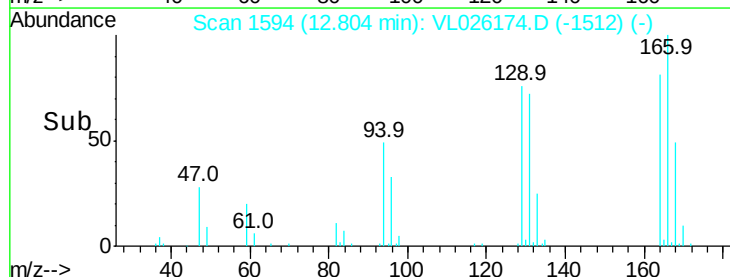
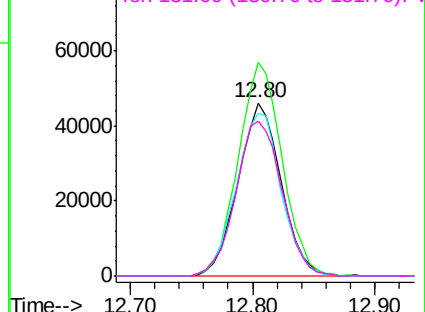
166 123.3 99.9 149.9

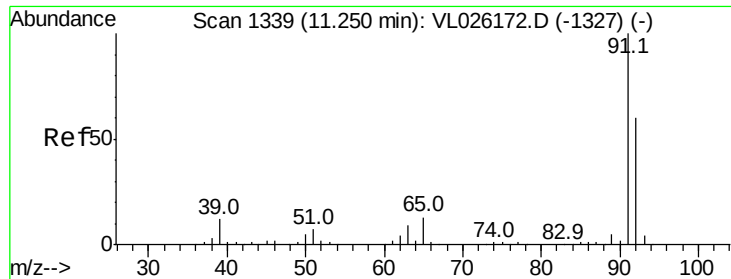
129 93.9 79.1 118.7

131 89.1 76.3 114.5



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





#53

Toluene

Concen: 0.95 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

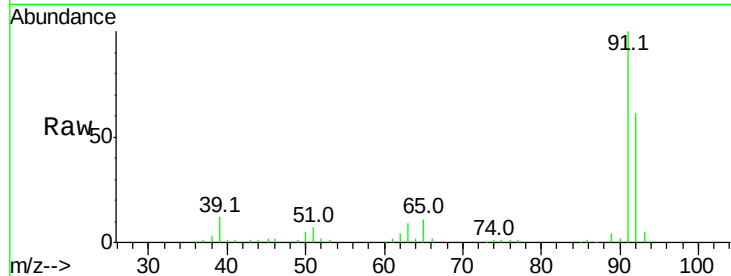
VSTDIC001

Tgt Ion: 91 Resp: 320129

Ion Ratio Lower Upper

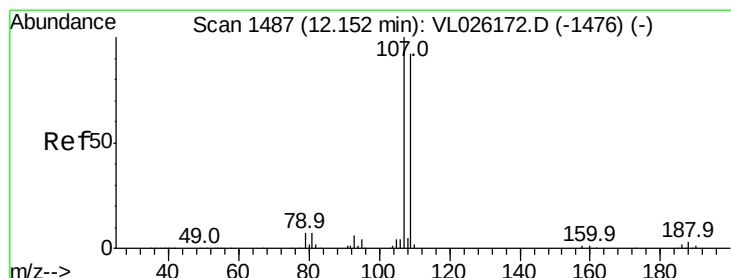
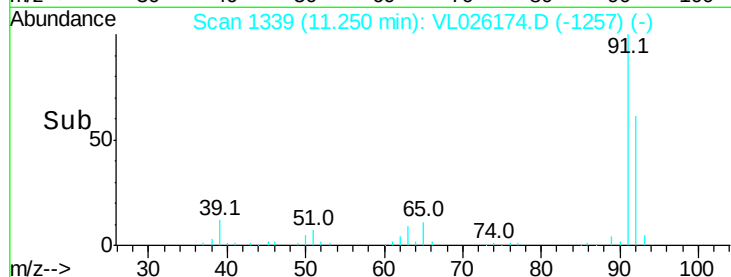
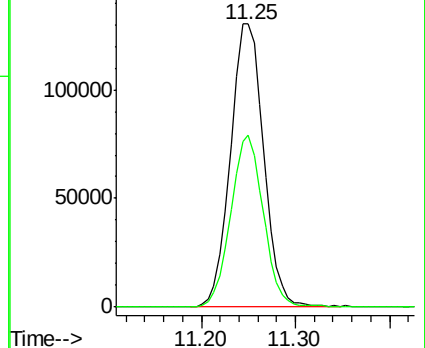
91 100

92 59.5 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.98 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VL026174.D

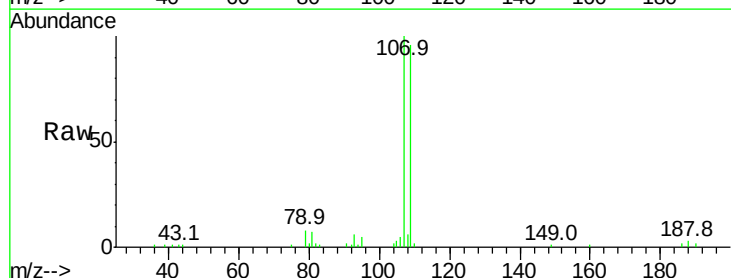
Acq: 9 Oct 2015 12:19

Tgt Ion: 107 Resp: 165117

Ion Ratio Lower Upper

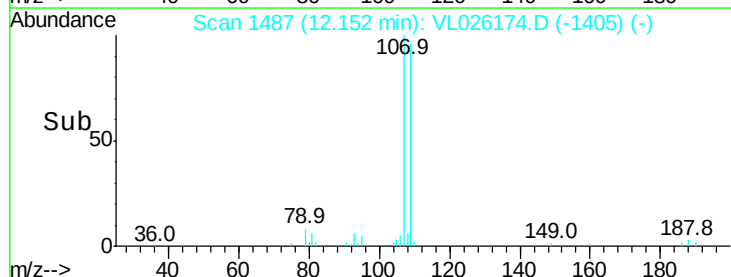
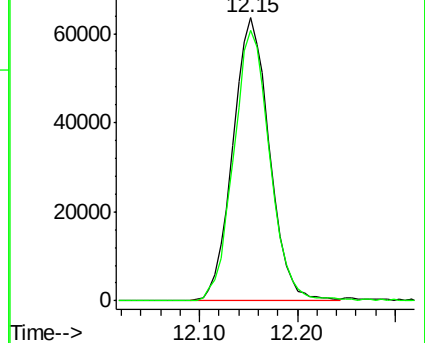
107 100

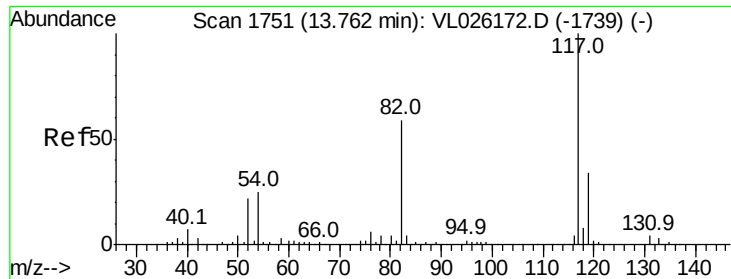
109 95.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

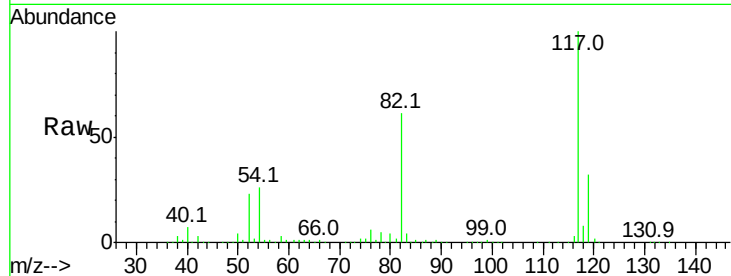




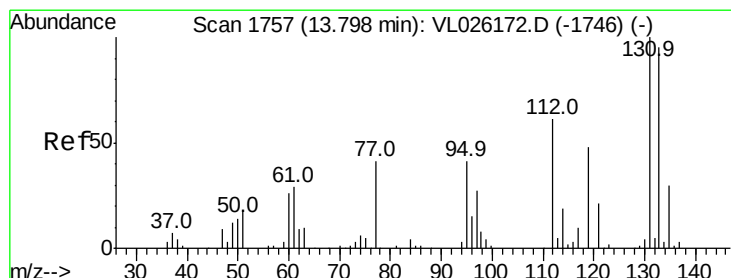
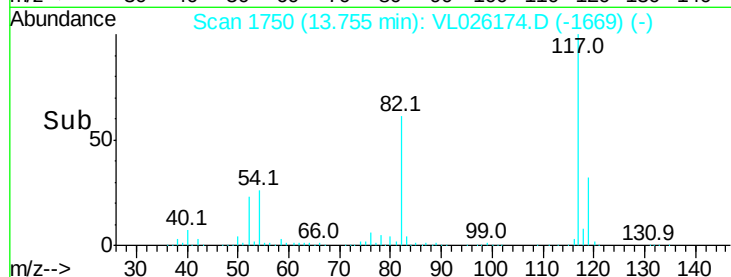
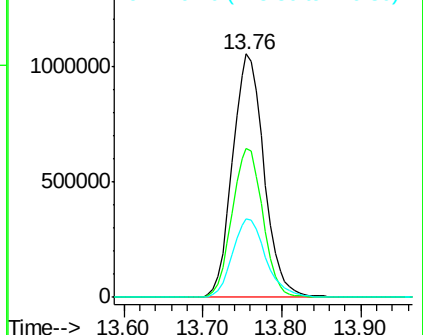
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 2928031
Ion Ratio Lower Upper
117 100
82 60.2 47.7 71.5
119 34.4 43.7 65.5#

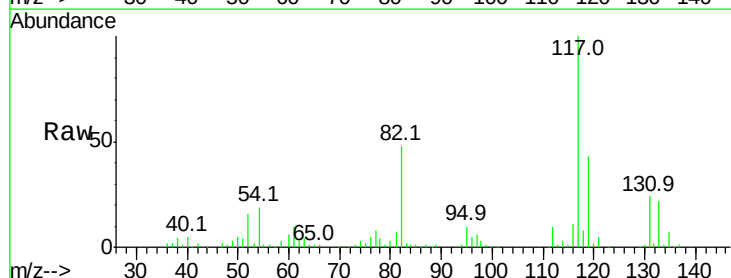


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

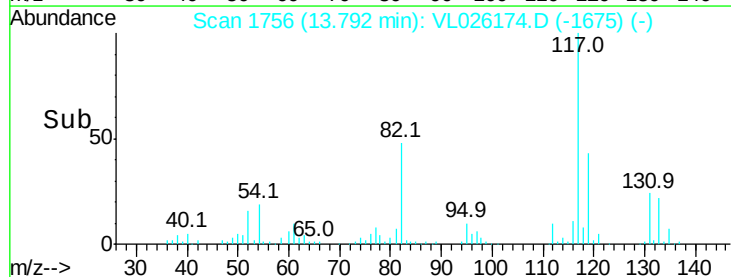
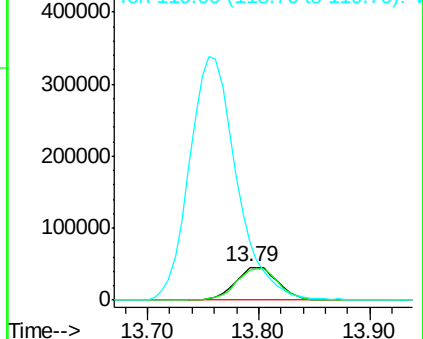


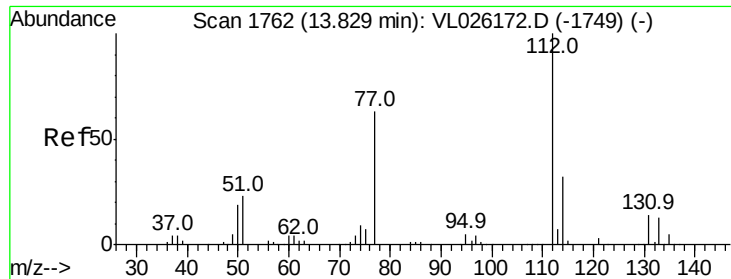
#56
1,1,1,2-Tetrachloroethane
Concen: 1.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion:131 Resp: 121430
Ion Ratio Lower Upper
131 100
133 94.7 76.5 114.7
119 829.9 116.0 174.0#



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

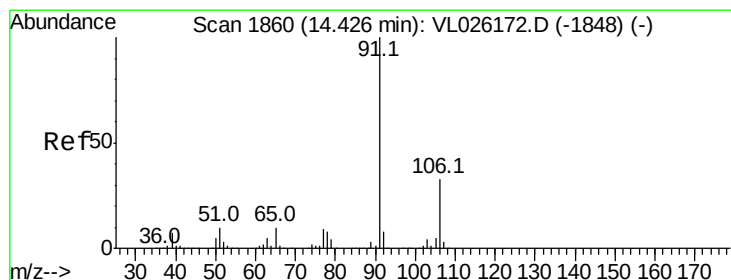
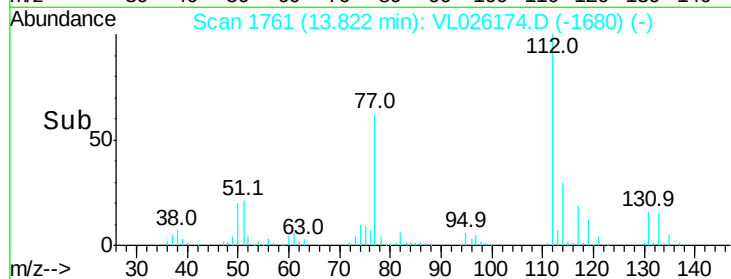
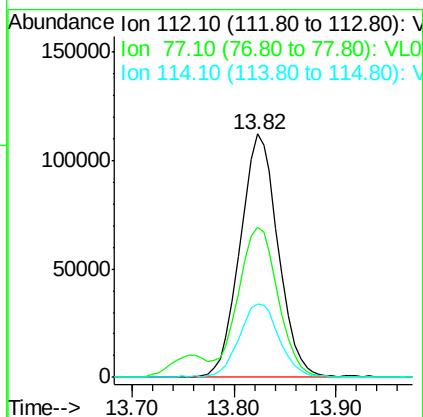
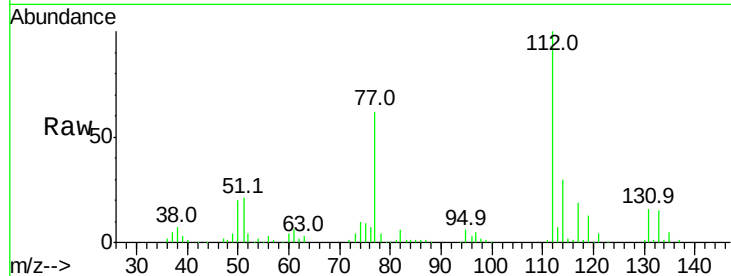




#57
Chlorobenzene
Concen: 1.01 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

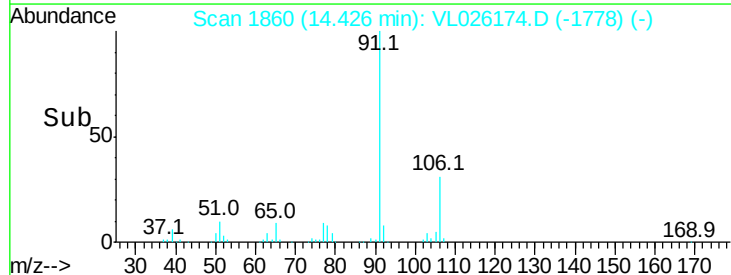
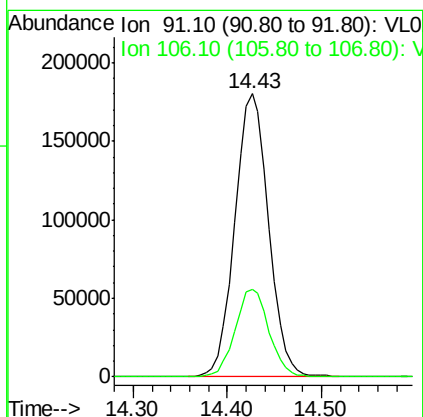
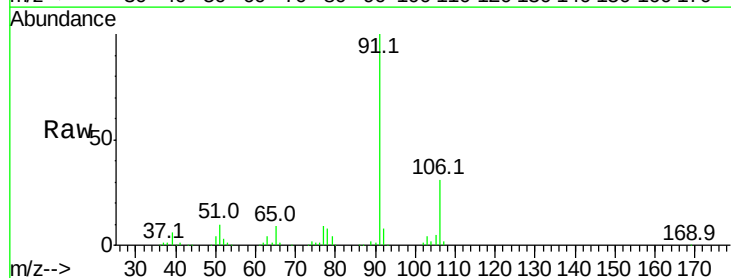
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

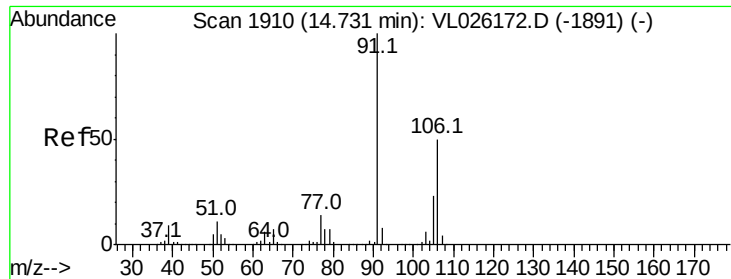
Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.1	51.0	76.4
114	30.1	29.0	35.4



#58
Ethyl Benzene
Concen: 0.93 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	26.1	39.1

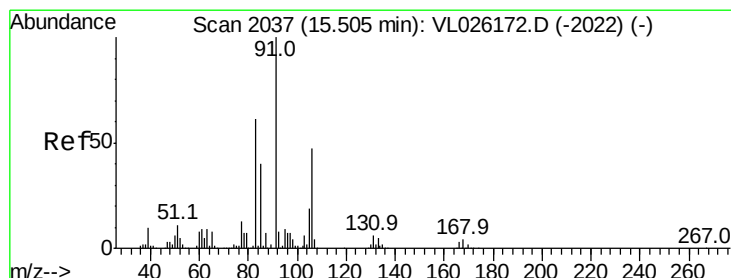
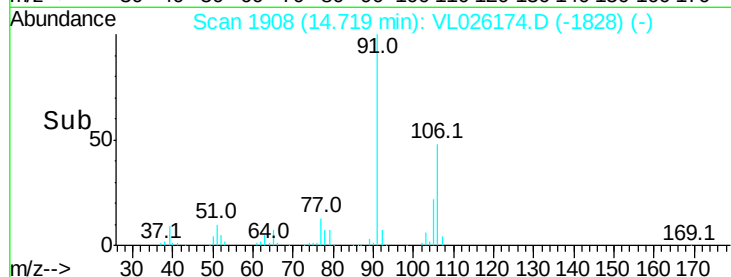
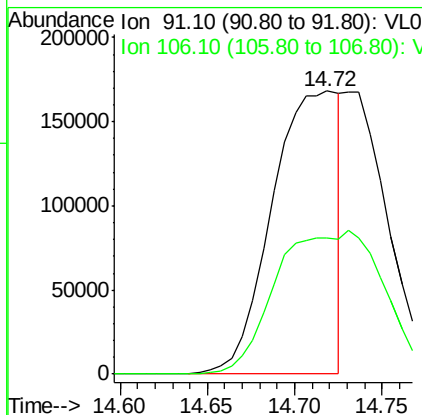
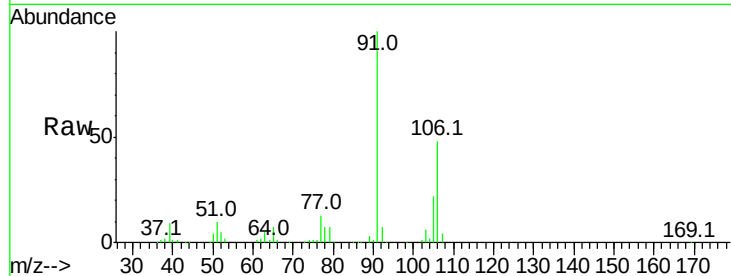




#59
m/p-Xylene
Concen: 1.17 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

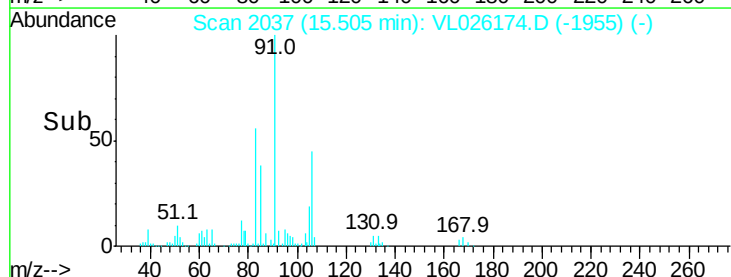
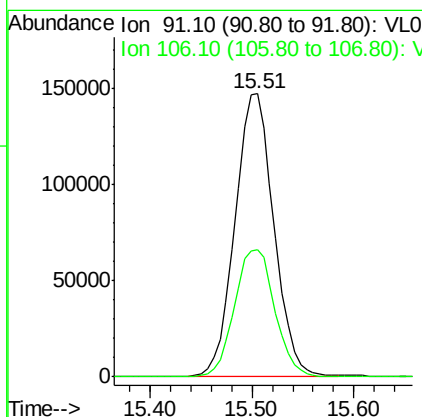
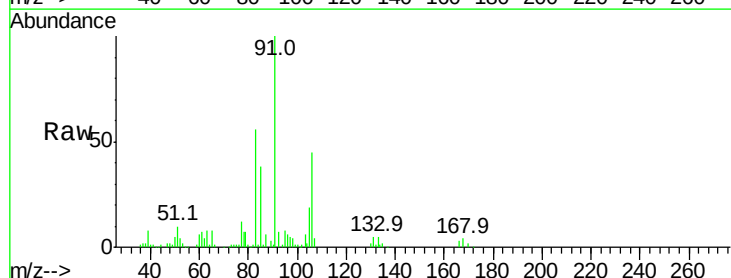
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

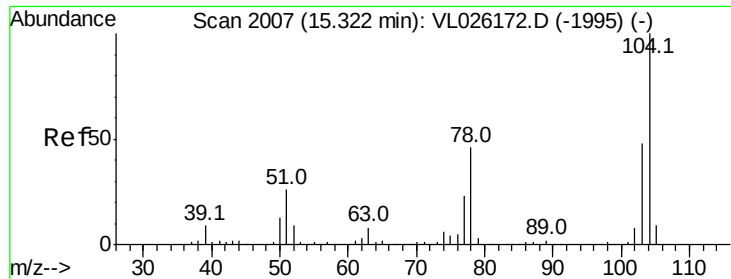
Tgt Ion: 91 Resp: 448997
Ion Ratio Lower Upper
91 100
106 0.0 40.2 60.4#



#60
o-Xylene
Concen: 0.98 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 91 Resp: 389940
Ion Ratio Lower Upper
91 100
106 46.6 23.4 70.3





#61

Styrene

Concen: 0.84 ppbv

RT: 15.32 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

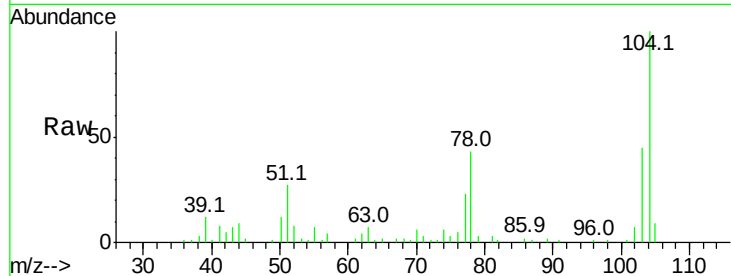
Tgt Ion:104 Resp: 142714

Ion Ratio Lower Upper

104 100

78 45.3 36.1 54.1

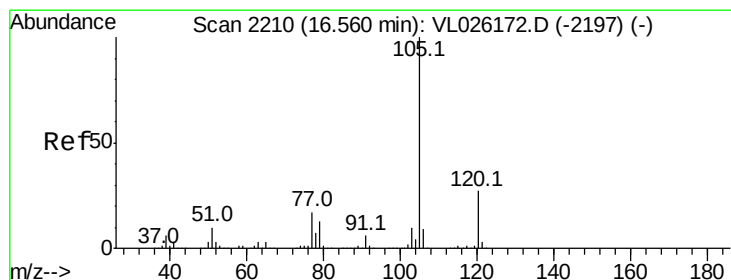
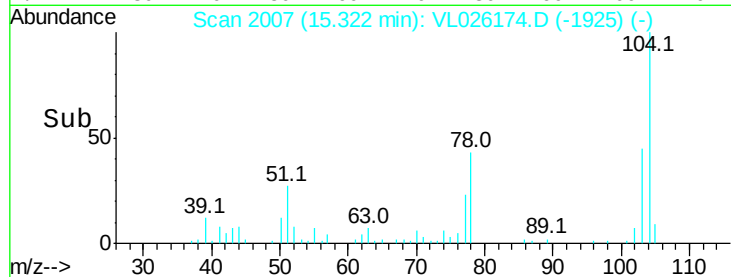
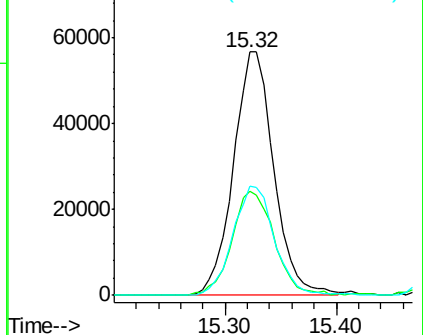
103 46.3 37.5 56.3



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: 0.97 ppbv

RT: 16.56 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VL026174.D

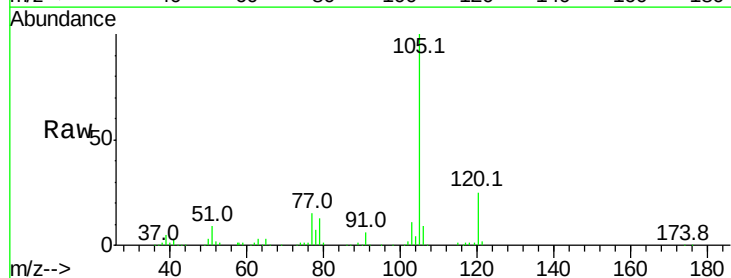
Acq: 9 Oct 2015 12:19

Tgt Ion:105 Resp: 505166

Ion Ratio Lower Upper

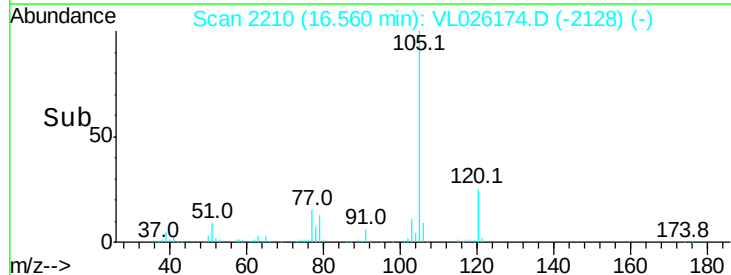
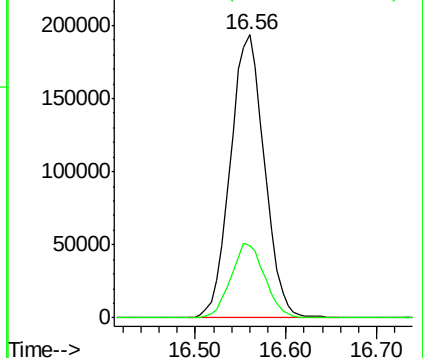
105 100

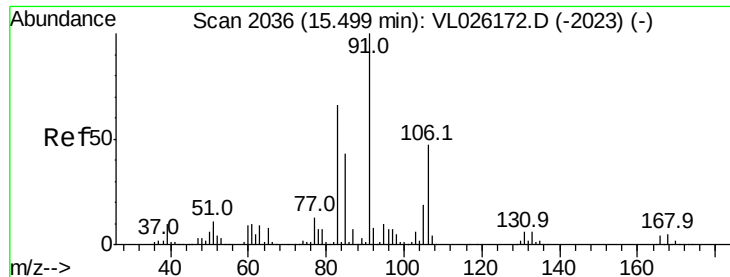
120 26.3 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

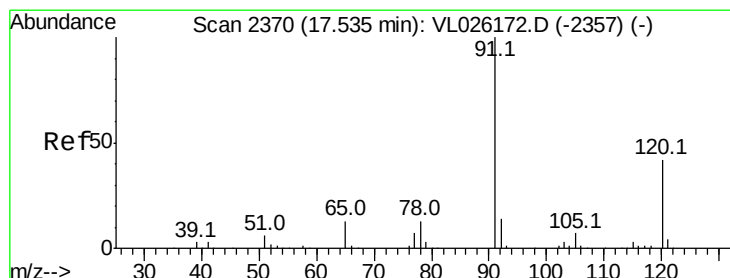
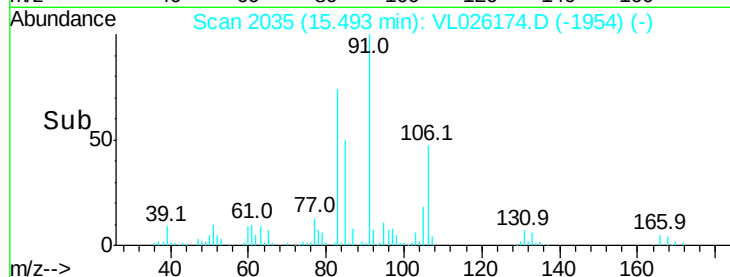
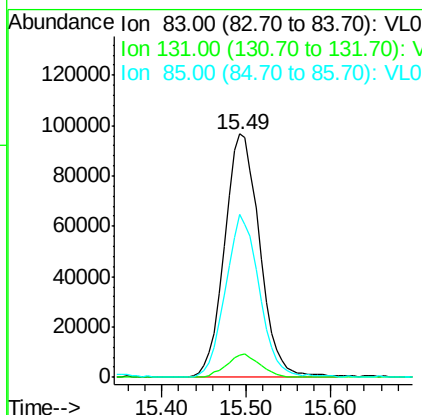
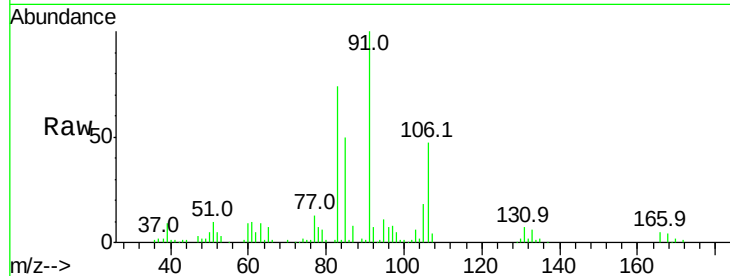




#63
1,1,2,2-Tetrachloroethane
Concen: 0.90 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

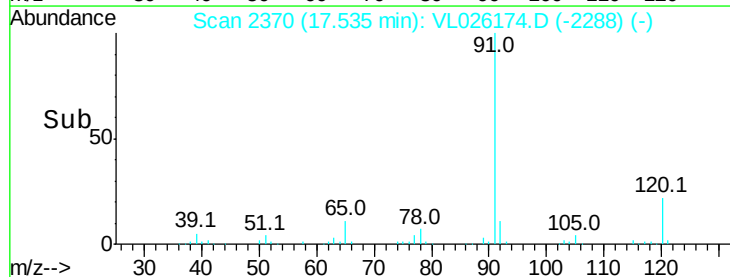
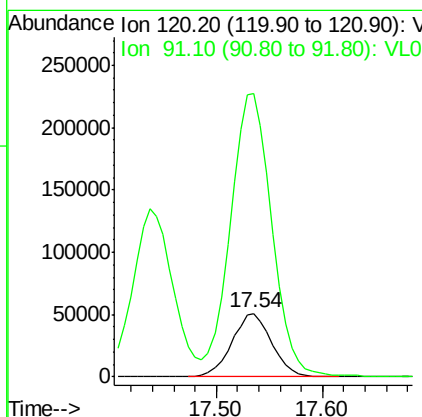
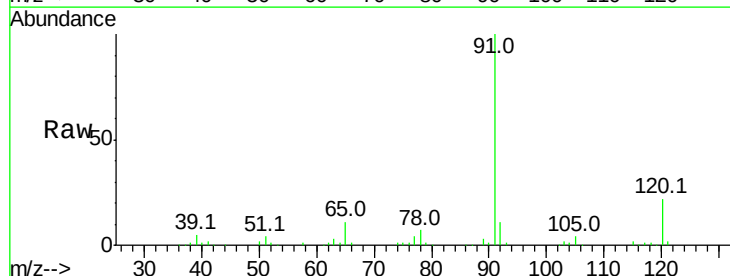
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

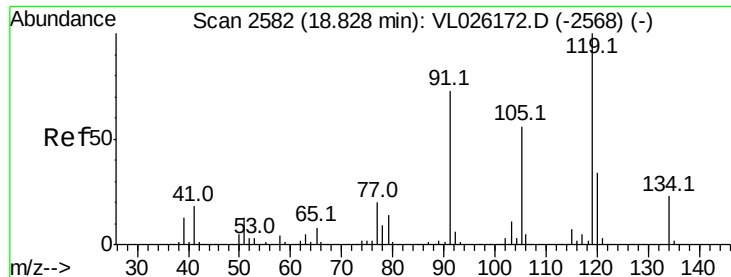
Tgt Ion: 83 Resp: 274879
Ion Ratio Lower Upper
83 100
131 8.9 4.5 13.7
85 64.8 32.6 97.7



#64
n-propylbenzene
Concen: 0.96 ppbv
RT: 17.54 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 120 Resp: 133457
Ion Ratio Lower Upper
120 100
91 464.9 353.4 530.2

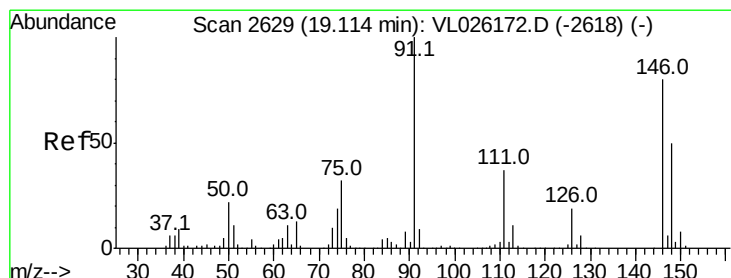
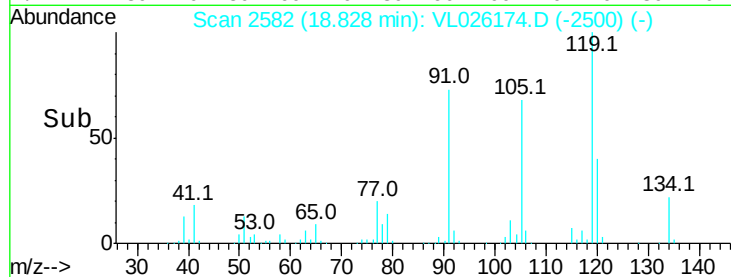
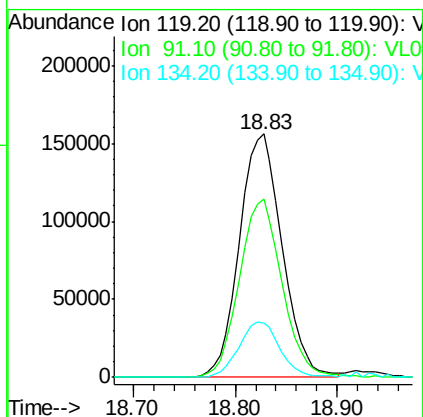
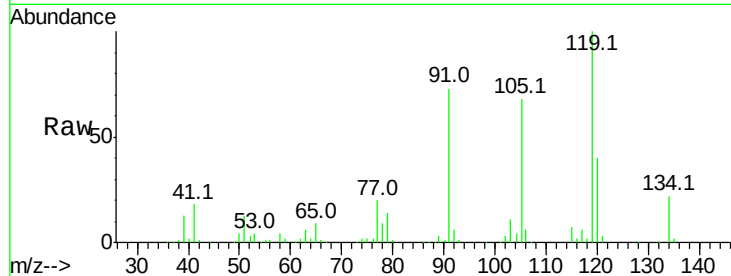




#65
 tert-Butylbenzene
 Concen: 1.00 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

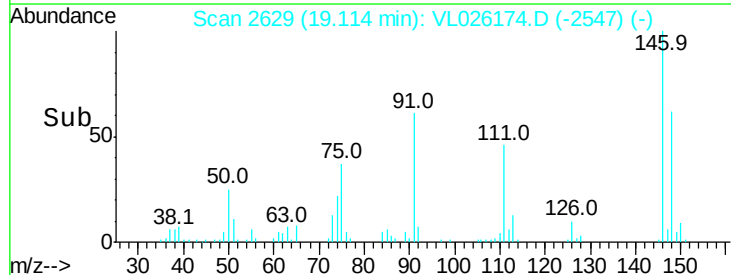
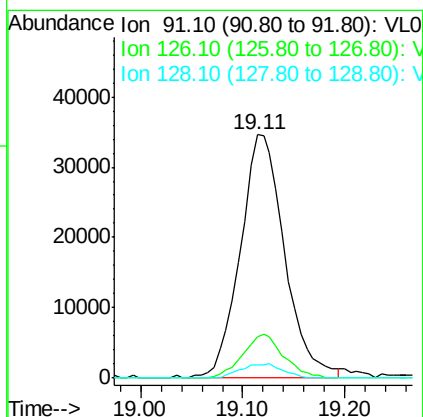
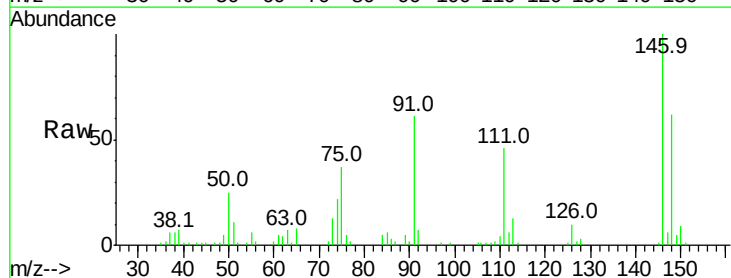
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

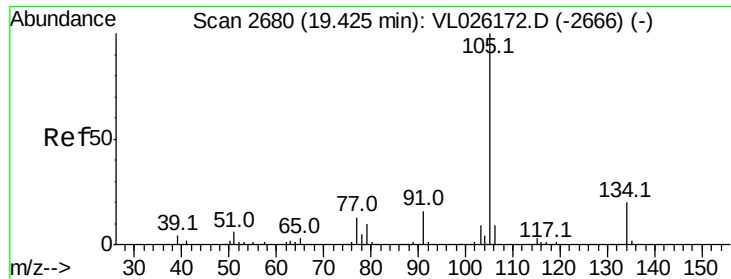
Tgt Ion: 119 Resp: 455874
 Ion Ratio Lower Upper
 119 100
 91 73.2 58.5 87.7
 134 22.7 18.0 27.0



#66
 Benzyl Chloride
 Concen: 0.84 ppbv
 RT: 19.11 min Scan# 2629
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion: 91 Resp: 104687
 Ion Ratio Lower Upper
 91 100
 126 16.7 15.2 22.8
 128 5.6 4.8 7.2





#67

sec-Butylbenzene

Concen: 0.96 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

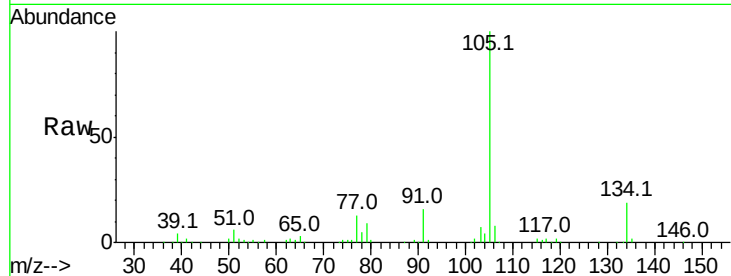
VSTDIC001

Tgt Ion: 105 Resp: 620677

Ion Ratio Lower Upper

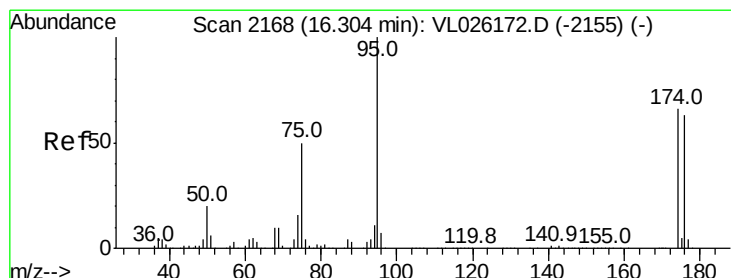
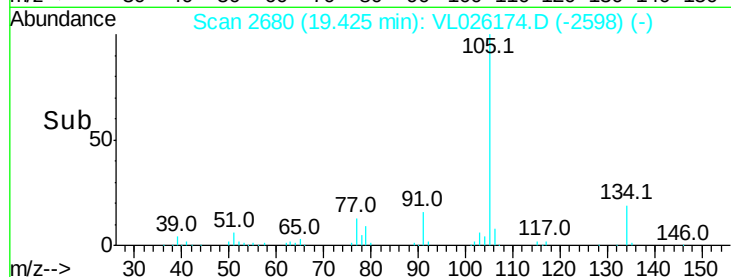
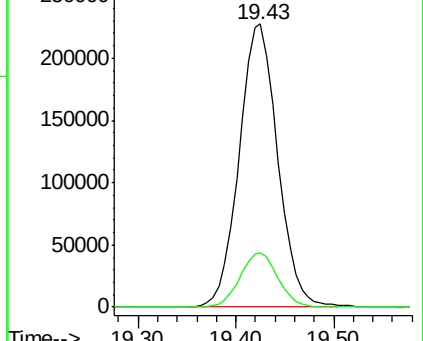
105 100

134 19.0 15.9 23.9



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: 10.42 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

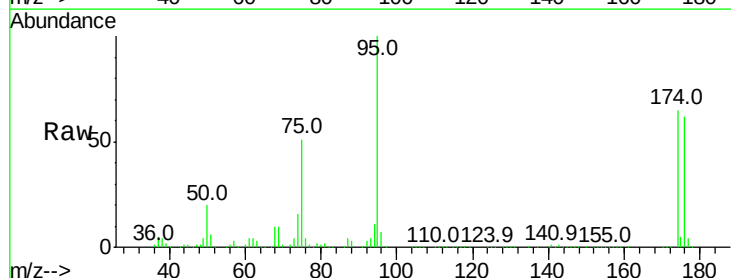
Tgt Ion: 95 Resp: 2251995

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.4

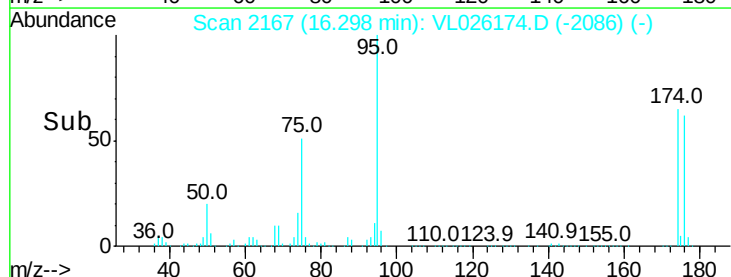
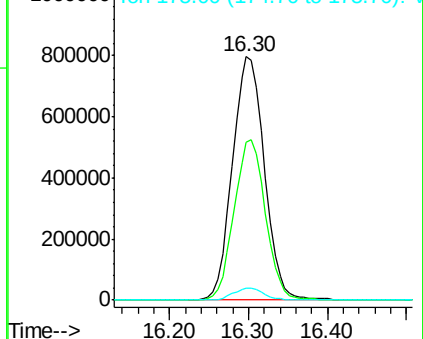
175 4.9 3.9 5.9

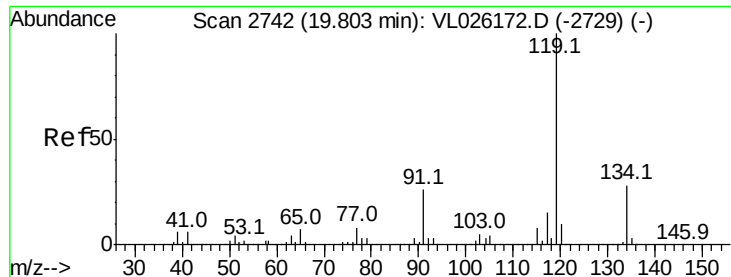


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

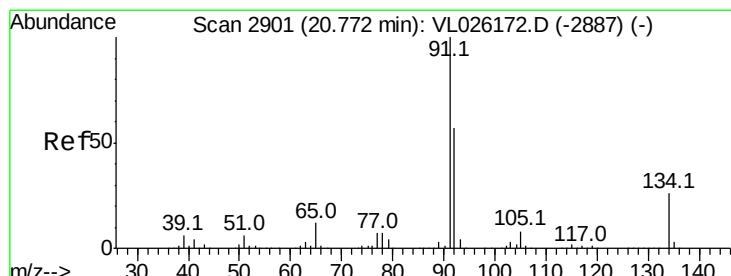
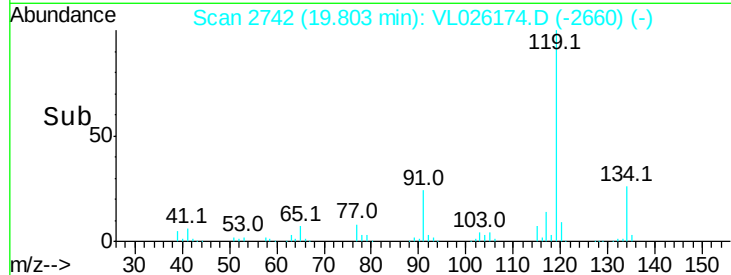
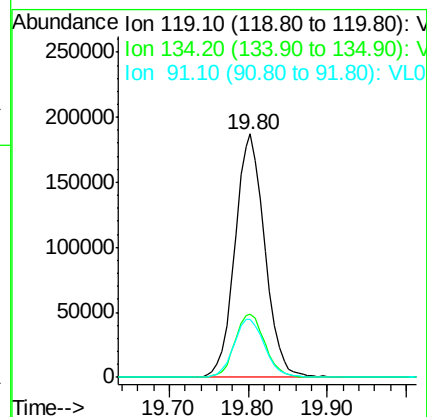
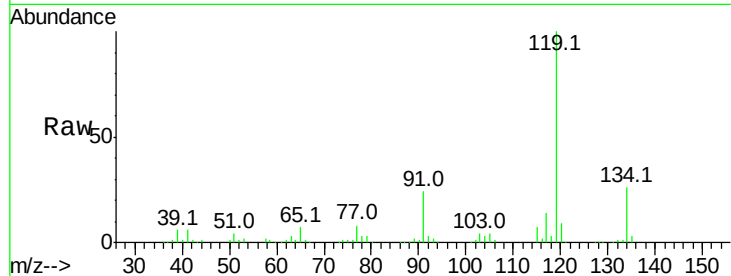




#69
 p-Isopropyltoluene
 Concen: 0.94 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

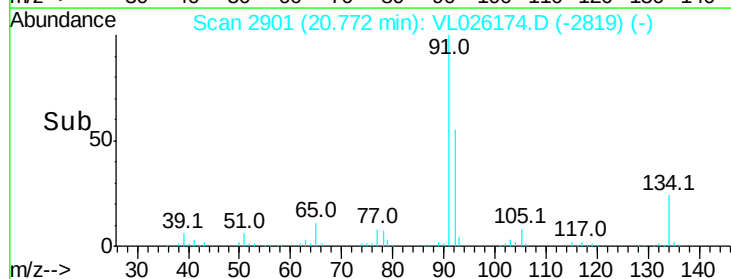
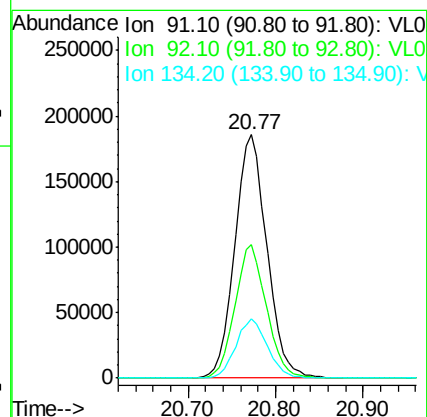
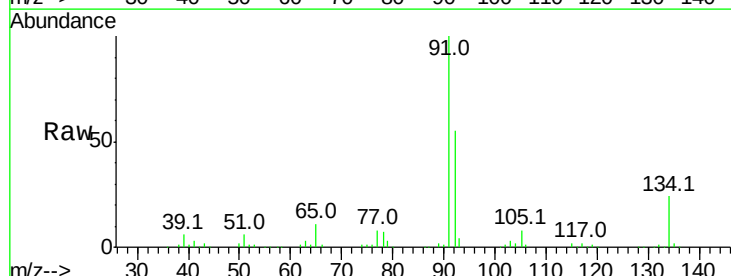
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

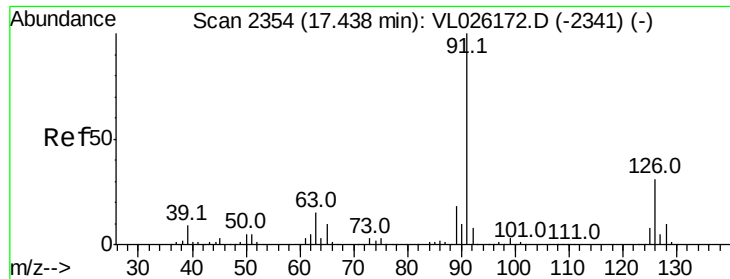
Tgt Ion:	119	Resp:	490555
Ion Ratio	Lower	Upper	
119	100		
134	26.3	21.4	32.0
91	25.0	19.9	29.9



#70
 n-Butylbenzene
 Concen: 0.91 ppbv
 RT: 20.77 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion:	91	Resp:	474122
Ion Ratio	Lower	Upper	
91	100		
92	53.6	45.0	67.6
134	23.8	19.8	29.8





#71

2-Chlorotoluene

Concen: 0.91 ppbv

RT: 17.44 min Scan# 2354

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

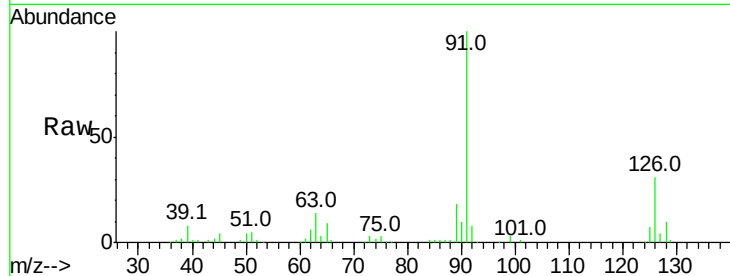
VSTDIC001

Tgt Ion: 91 Resp: 361071

Ion Ratio Lower Upper

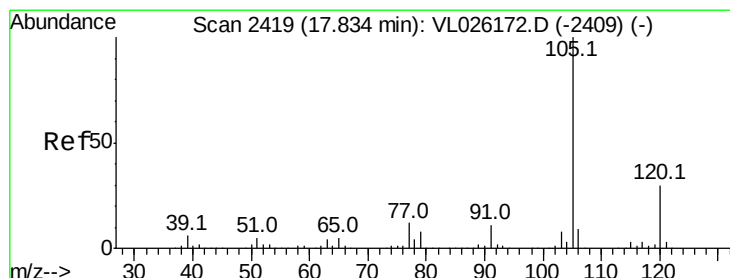
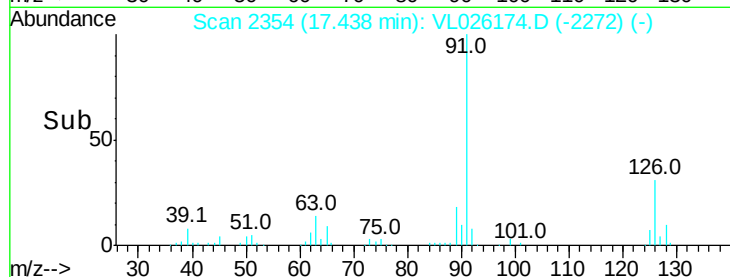
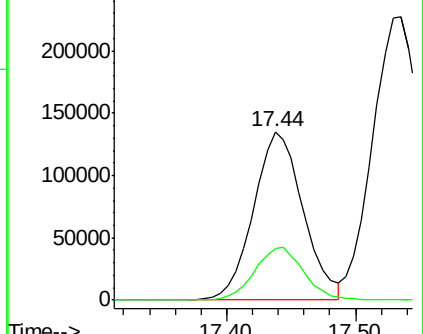
91 100

126 31.1 12.8 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 0.92 ppbv

RT: 17.83 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 105 Resp: 397829

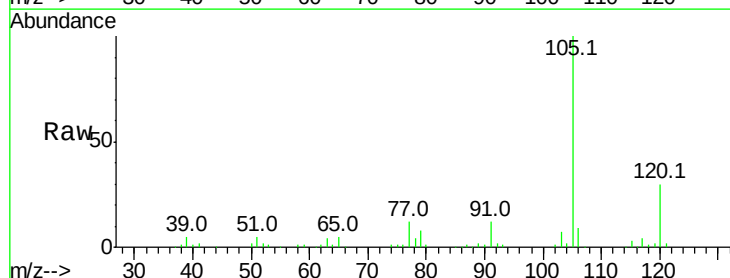
Ion Ratio Lower Upper

105 100

120 31.0 24.7 37.1

91 12.6 9.2 13.8

77 12.0 9.8 14.8

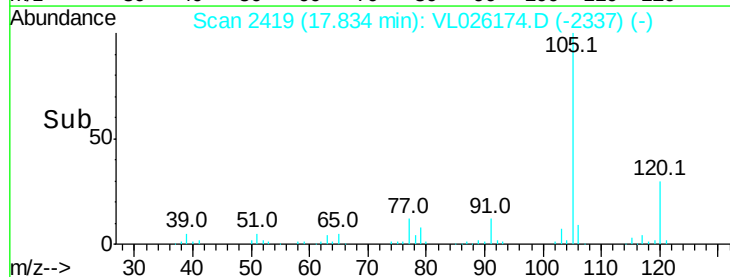
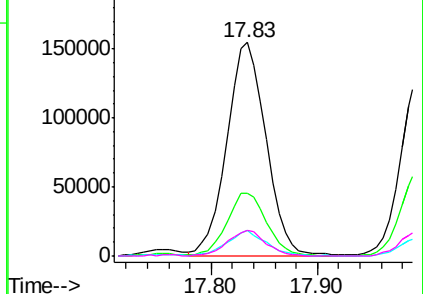


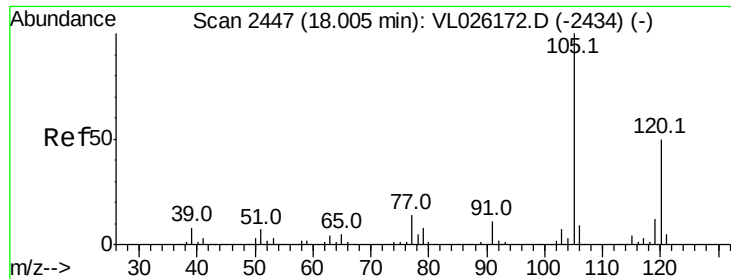
Abundance Ion 105.10 (104.80 to 105.80): VL0

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

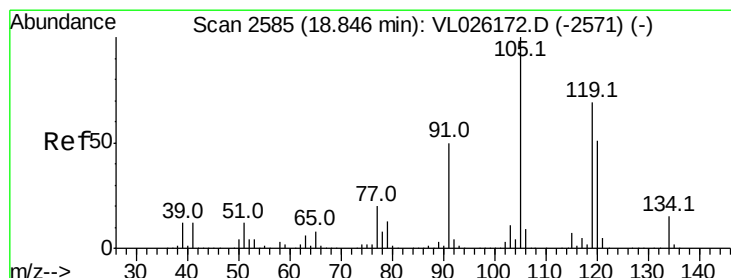
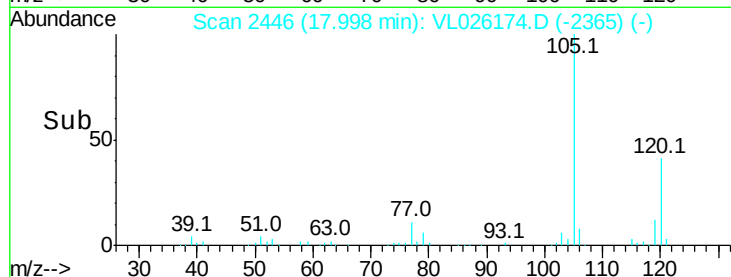
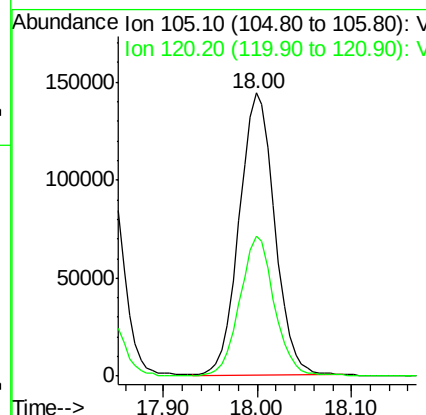
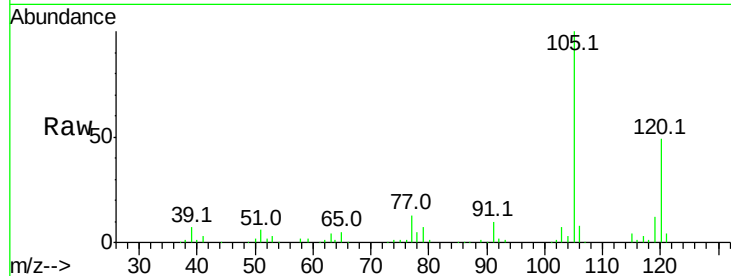




#73
 1,3,5-Trimethylbenzene
 Concen: 0.94 ppbv
 RT: 18.00 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

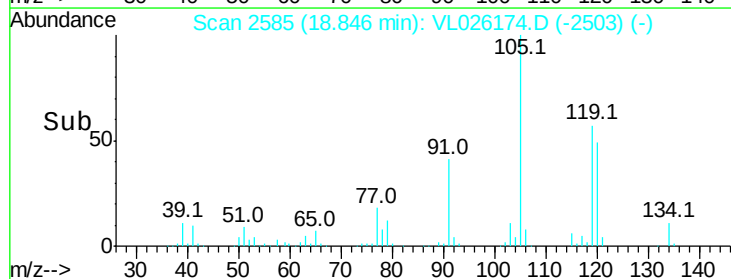
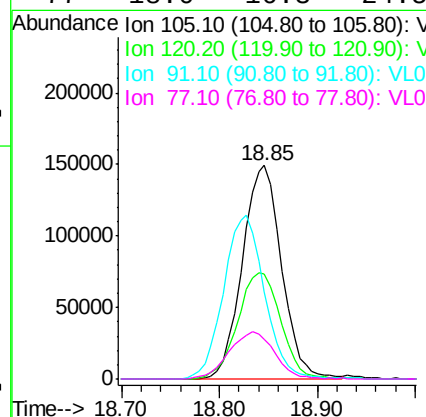
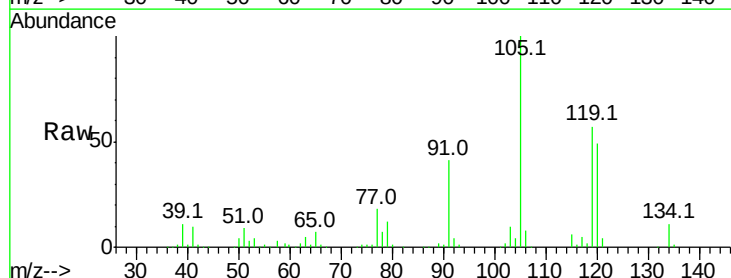
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

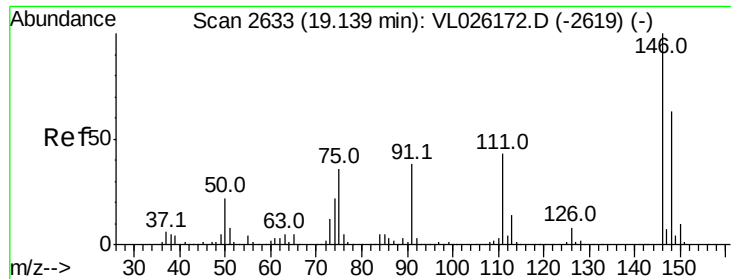
Tgt Ion:105 Resp: 376968
 Ion Ratio Lower Upper
 105 100
 120 49.4 40.1 60.1



#74
 1,2,4-Trimethylbenzene
 Concen: 0.98 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion:105 Resp: 415154
 Ion Ratio Lower Upper
 105 100
 120 49.0 41.1 61.7
 91 40.6 39.8 59.6
 77 18.0 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 0.97 ppbv

RT: 19.13 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

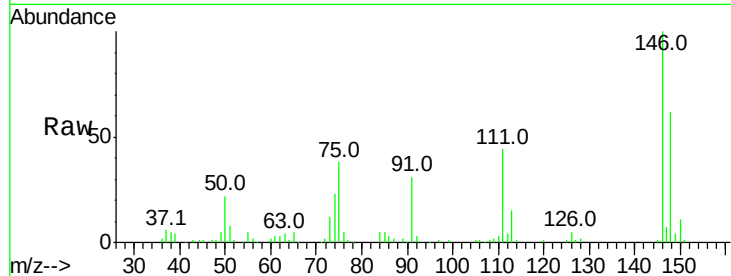
Tgt Ion:146 Resp: 252982

Ion Ratio Lower Upper

146 100

111 44.9 22.1 66.3

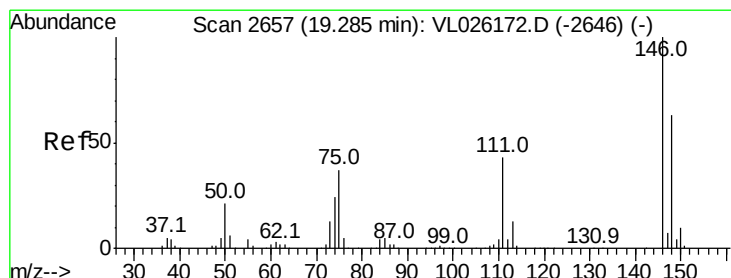
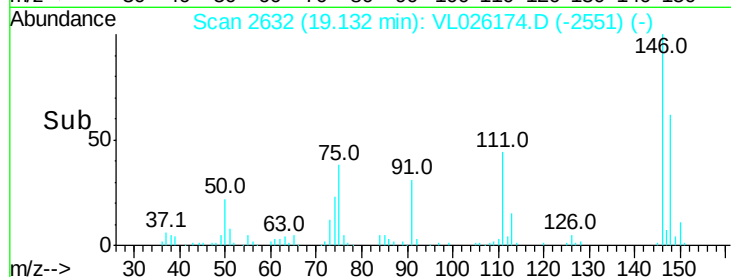
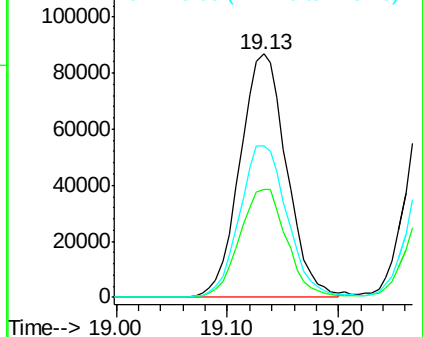
148 64.0 31.9 95.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.95 ppbv

RT: 19.28 min Scan# 2657

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

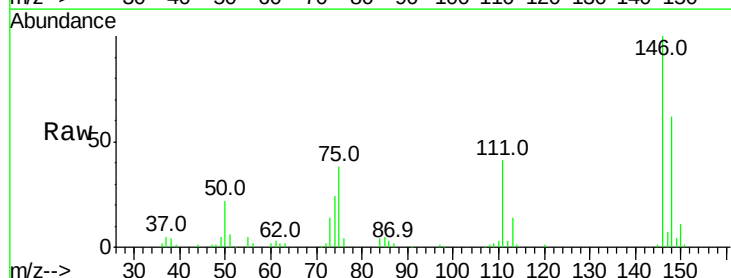
Tgt Ion:146 Resp: 256149

Ion Ratio Lower Upper

146 100

111 42.9 21.3 63.9

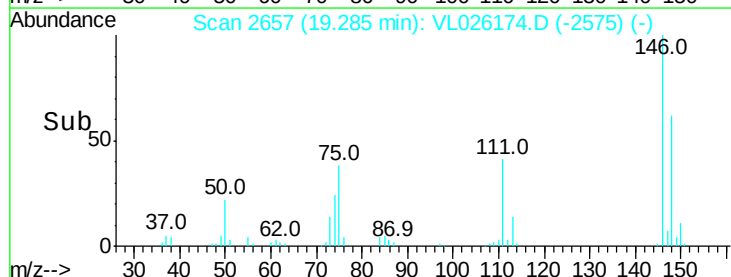
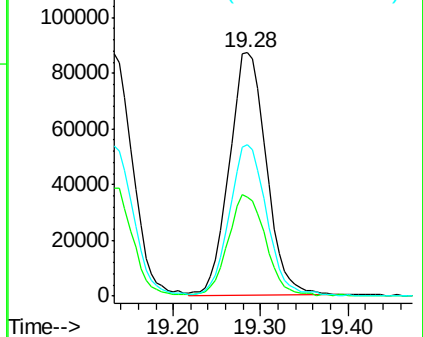
148 63.5 31.6 94.8

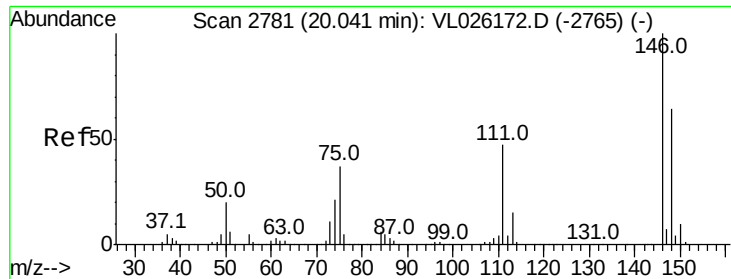


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.95 ppbv

RT: 20.04 min Scan# 2781

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampled :

VSTDIC001

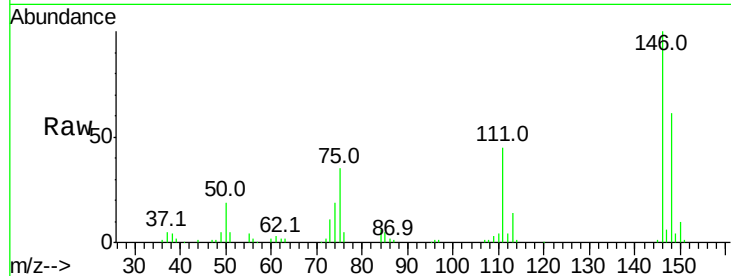
Tgt Ion:146 Resp: 248477

Ion Ratio Lower Upper

146 100

111 46.1 23.0 69.0

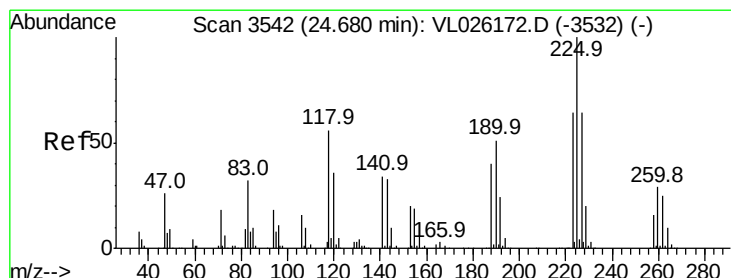
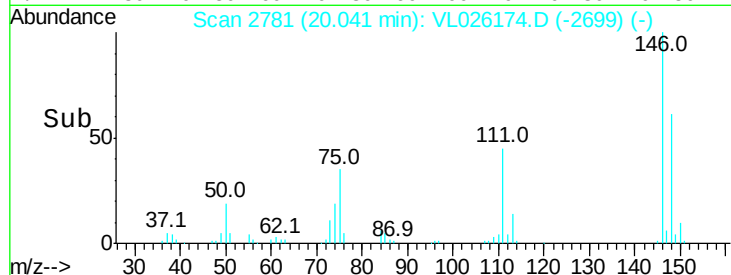
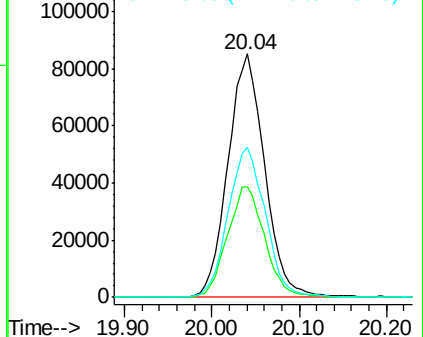
148 63.0 31.8 95.3



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: 1.00 ppbv

RT: 24.69 min Scan# 3543

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

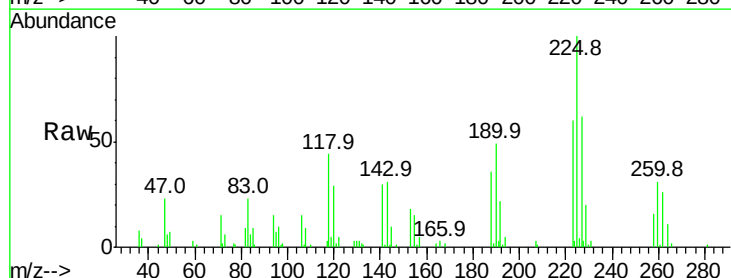
Tgt Ion:225 Resp: 104772

Ion Ratio Lower Upper

225 100

223 62.7 51.1 76.7

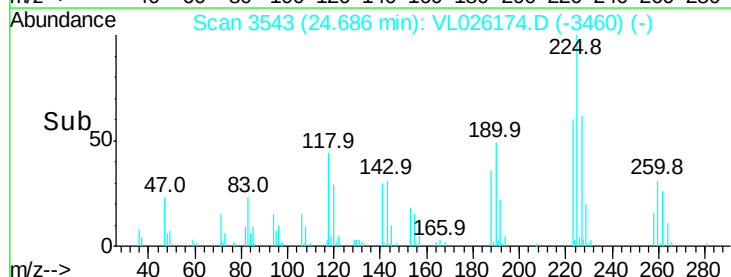
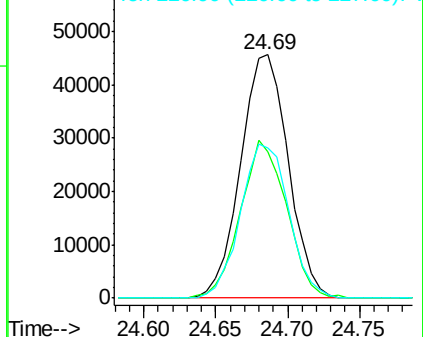
227 64.0 50.8 76.2

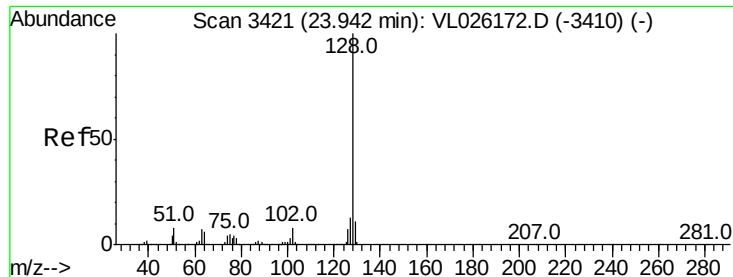


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.73 ppbv

RT: 23.95 min Scan# 3422

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

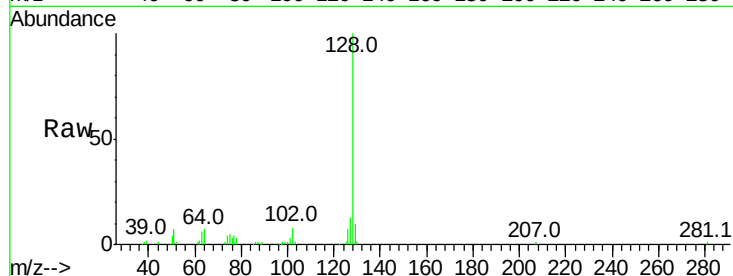
Tgt Ion:128 Resp: 240698

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

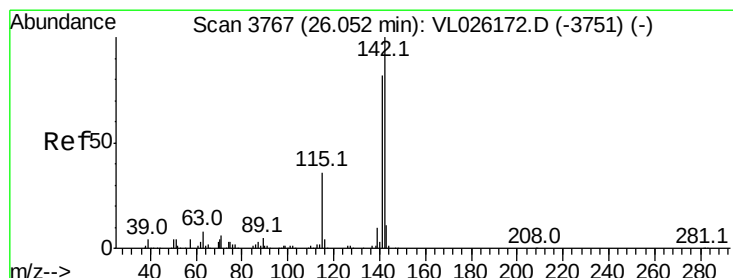
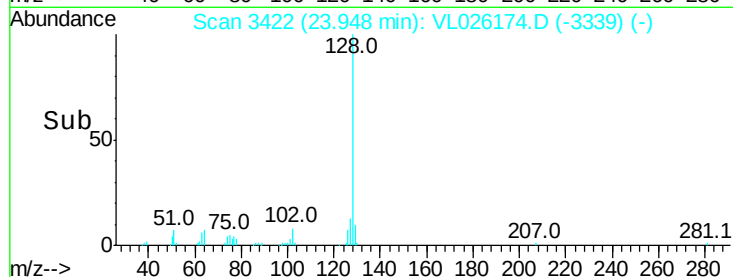
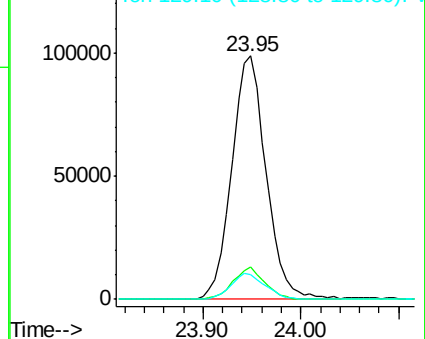
129 10.0 8.7 13.1



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.68 ppbv

RT: 26.06 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

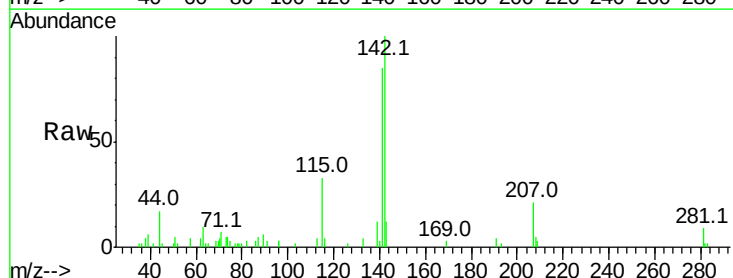
Tgt Ion:142 Resp: 52062

Ion Ratio Lower Upper

142 100

141 87.3 66.6 99.8

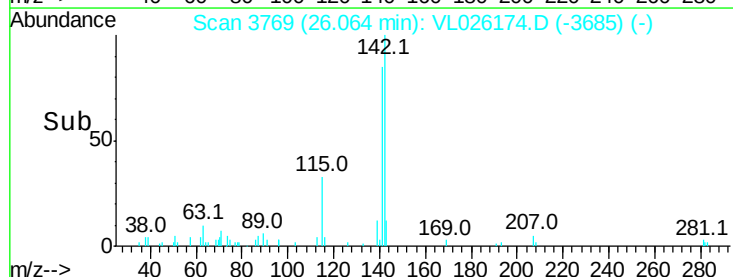
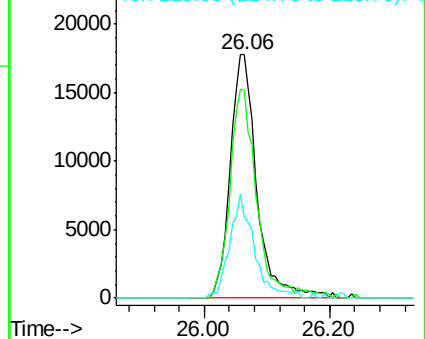
115 39.8 28.4 42.6

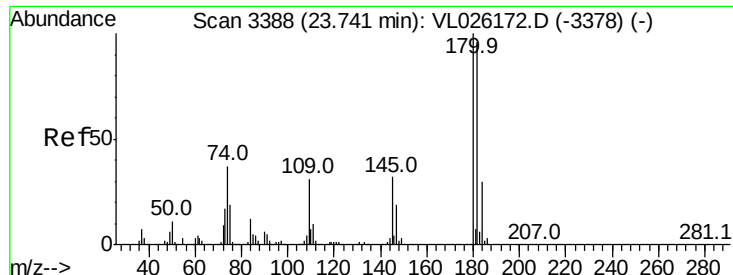


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

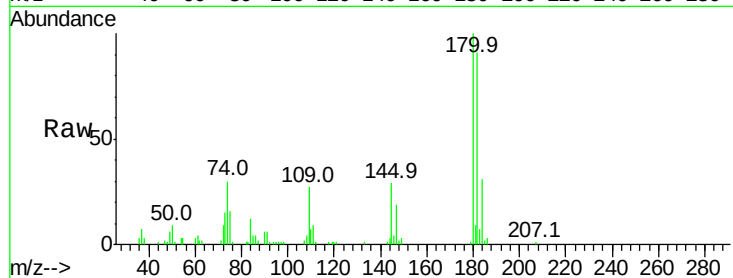




#81
 1,2,4-Trichlorobenzene
 Concen: 0.77 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.4	114.6
184	30.0	24.0	36.0



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

