

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026649.D
 Acq On : 8 Jan 2016 16:44
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 08 22:13:56 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 22:06:23 2016
 QLast Update : Fri Jan 08 22:06:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	954667	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2762255	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	3495127	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	2789647	9.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	227540	0.90	ppbv	99
3) Chlorodifluoromethane	3.56	51	130991	1.09	ppbv	97
4) Chloromethane	3.74	50	63391	1.02	ppbv	96
5) Vinyl Chloride	3.87	62	72001	1.02	ppbv	99
6) Bromomethane	4.12	94	54154	1.03	ppbv	92
7) Chloroethane	4.23	64	30688	0.98	ppbv	95
8) Dichlorotetrafluoroethane	3.79	85	208063	1.07	ppbv	100
9) Propene	3.58	41	46988	1.02	ppbv	99
10) Heptane	9.33	43	179348	1.07	ppbv	98
11) Trichlorofluoromethane	4.68	101	267301	1.06	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	5.29	101	163387	1.06	ppbv	100
13) Ethanol	4.34	45	5457	0.56	ppbv	97
14) Bromoethene	4.44	108	58397	1.00	ppbv	98
15) Acetone	4.59	43	169970	1.22	ppbv #	80
16) 1,3-Butadiene	3.95	39	63913	1.02	ppbv	99
17) tert-Butyl alcohol	5.13	59	116820	0.90	ppbv	95
18) 1,1-Dichloroethene	5.07	96	66360	1.00	ppbv	96
19) Isopropyl Alcohol	4.76	45	56025	0.73	ppbv #	1
20) Methylene Chloride	5.14	84	63774	1.05	ppbv	92
21) Allyl Chloride	5.21	41	95218	0.99	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	80308	1.05	ppbv	94
23) Vinyl Acetate	5.96	43	227478	0.90	ppbv	99
24) 1,1-Dichloroethane	5.89	63	176223	1.04	ppbv	96
25) Ethyl Acetate	6.66	43	244427	1.00	ppbv	98
26) Hexane	6.64	57	129950	1.06	ppbv	96
27) Carbon Disulfide	5.37	76	183636	0.95	ppbv	99
28) Methyl tert-Butyl Ether	5.95	73	253750	1.01	ppbv	99
29) Chloroform	6.72	83	229591	1.05	ppbv	95
30) Cyclohexane	8.26	84	128510	1.03	ppbv #	74
31) cis-1,2-Dichloroethene	6.49	61	126833	0.98	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	234049	1.00	ppbv	100
34) 2-Butanone	6.18	43	148885	1.03	ppbv	97
35) Carbon Tetrachloride	8.13	117	229789	1.01	ppbv	96
36) Benzene	8.00	78	292757	1.05	ppbv	96
37) 1,2-Dichloroethane	7.35	62	193530	1.02	ppbv	99
38) Trichloroethene	9.04	130	125171	1.16	ppbv	98
39) 1,2-Dichloropropane	8.80	63	102518	1.06	ppbv	92
40) 1,4-Dioxane	9.14	88	8208	0.27	ppbv #	1
41) Tetrahydrofuran	7.12	42	73264	0.95	ppbv	96
42) Bromodichloromethane	8.99	83	258174	1.04	ppbv	94
43) Methyl Methacrylate	9.24	69	101985	0.93	ppbv	97

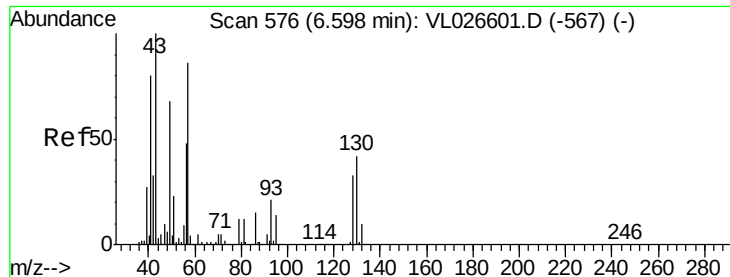
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026649.D
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 08 22:06:23 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	497782	1.14	ppbv	96
45) t-1,3-Dichloropropene	10.63	75	157053	0.83	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	187233	0.91	ppbv	91
47) 1,1,2-Trichloroethane	10.85	97	150266	1.12	ppbv	95
48) Dibromochloromethane	11.77	129	207010	0.97	ppbv	100
49) Bromoform	14.79	173	164779	0.93	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	216171	1.01	ppbv	99
51) 2-Hexanone	11.60	43	185370	0.89	ppbv #	97
52) Tetrachloroethene	12.77	164	142509	1.17	ppbv	88
53) Toluene	11.21	91	424294	1.07	ppbv	99
54) 1,2-Dibromoethane	12.11	107	231538	1.09	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.76	131	170290	1.10	ppbv #	1
57) Chlorobenzene	13.78	112	401934	1.23	ppbv	96
58) Ethyl Benzene	14.38	91	675464	1.08	ppbv	98
59) m/p-Xylene	14.69	91	638265	1.32	ppbv #	31
60) o-Xylene	15.46	91	630131	1.26	ppbv	98
61) Styrene	15.28	104	216747	0.91	ppbv	98
62) Isopropylbenzene	16.51	105	805499	1.15	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.45	83	430167	1.34	ppbv	99
64) n-propylbenzene	17.49	120	218254	1.18	ppbv	95
65) tert-Butylbenzene	18.78	119	781971	1.35	ppbv	96
66) Benzyl Chloride	19.07	91	232765	0.86	ppbv	100
67) sec-Butylbenzene	19.38	105	1143613	1.27	ppbv	99
69) p-Isopropyltoluene	19.75	119	862113	1.21	ppbv	98
70) n-Butylbenzene	20.73	91	907395	1.21	ppbv	97
71) 2-Chlorotoluene	17.40	91	623191	1.10	ppbv	100
72) 4-Ethyltoluene	17.79	105	682198	1.12	ppbv	99
73) 1,3,5-Trimethylbenzene	17.96	105	645453	1.15	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	740833	1.36	ppbv	92
75) 1,3-Dichlorobenzene	19.09	146	438522	1.29	ppbv	99
76) 1,4-Dichlorobenzene	19.24	146	442366	1.24	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	435770	1.23	ppbv	99
78) Hexachloro-1,3-Butadiene	24.65	225	182068	1.28	ppbv	98
79) Naphthalene	23.91	128	453042	1.06	ppbv	98
80) Naphthalene, 2-methyl-	26.02	142	47956	0.44	ppbv #	89
81) 1,2,4-Trichlorobenzene	23.71	180	213571	1.16	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

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VSTDIC001

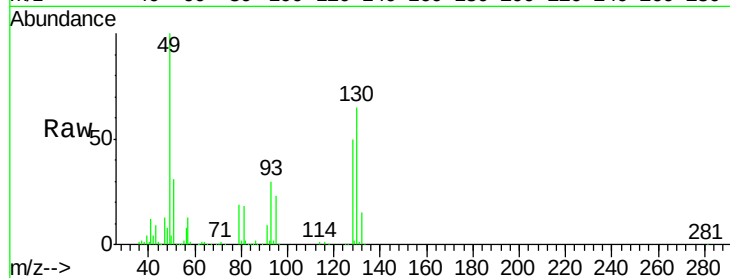
Tot Ion: 49 Resp: 954667

Ion Ratio Lower Upper

49 100

128 52.9 25.9 77.7

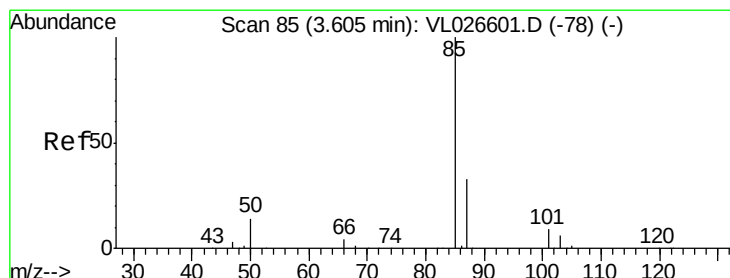
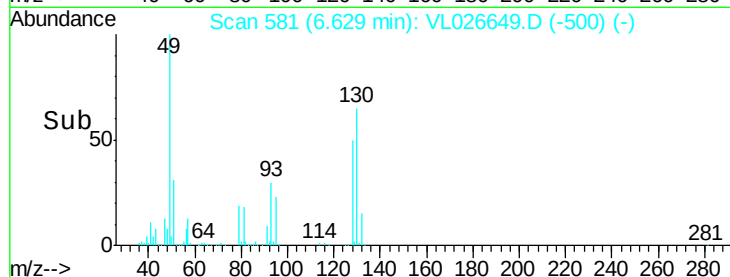
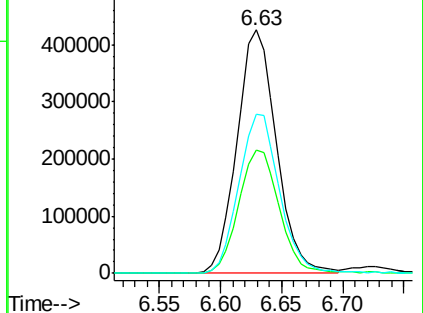
130 68.6 33.6 100.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.90 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL026649.D

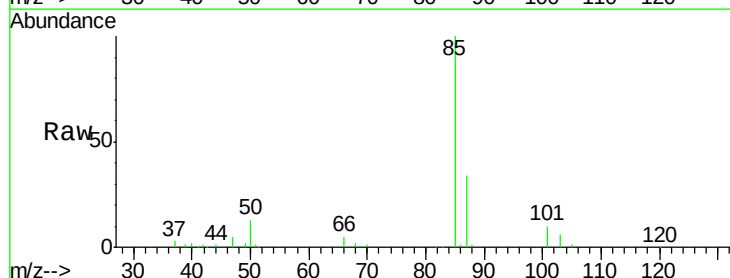
Acq: 8 Jan 2016 16:44

Tgt Ion: 85 Resp: 227540

Ion Ratio Lower Upper

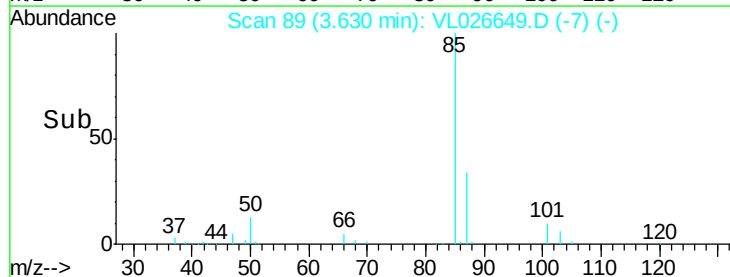
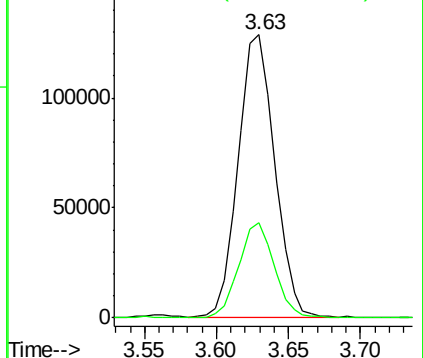
85 100

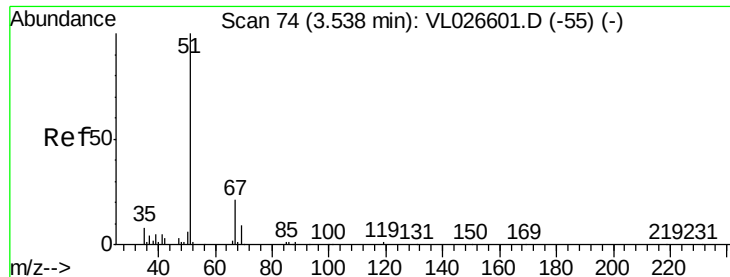
87 33.8 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.09 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

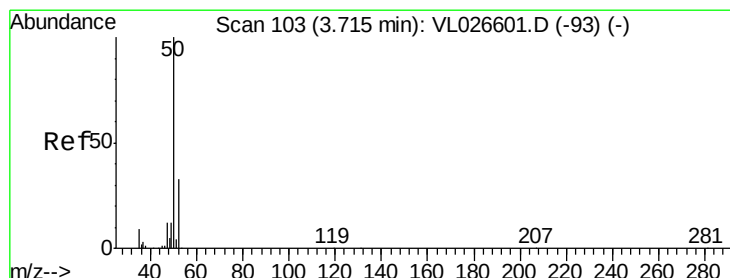
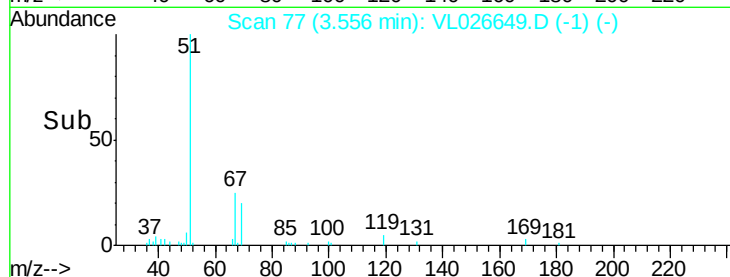
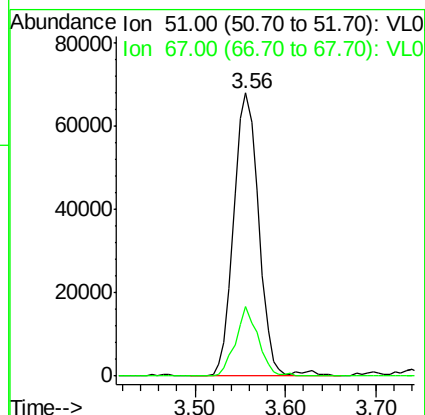
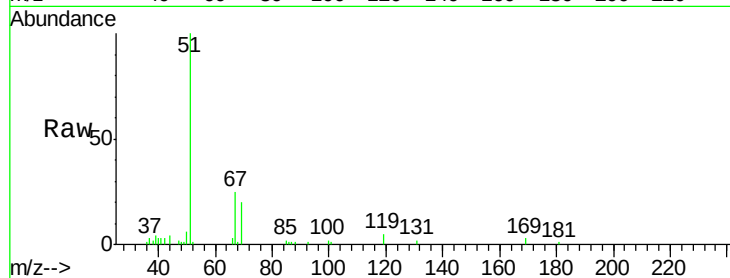
VSTDIC001

Tot Ion: 51 Resp: 130991

Ion Ratio Lower Upper

51 100

67 21.9 18.6 28.0



#4

Chloromethane

Concen: 1.02 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026649.D

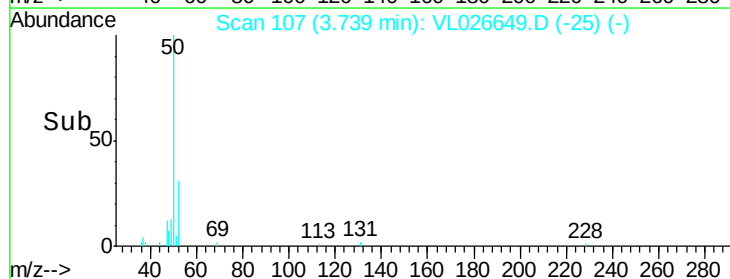
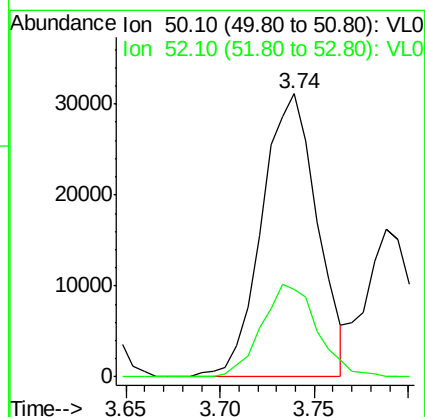
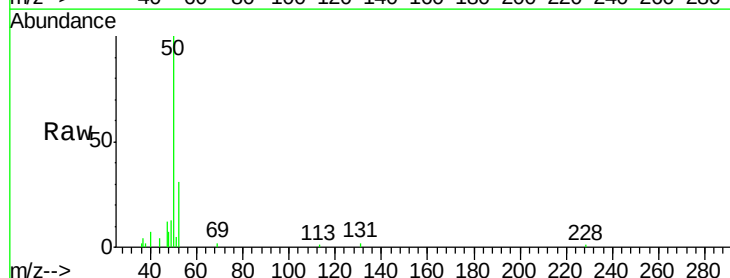
Acq: 8 Jan 2016 16:44

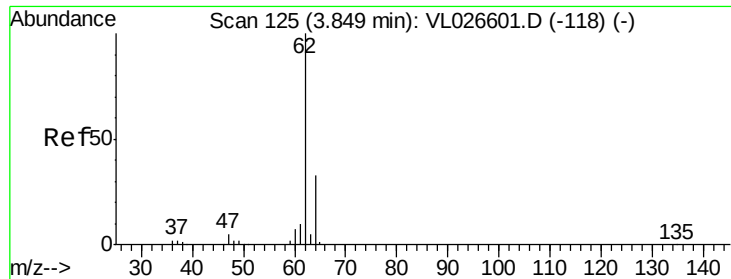
Tgt Ion: 50 Resp: 63391

Ion Ratio Lower Upper

50 100

52 31.0 26.7 40.1





#5

Vinyl Chloride

Concen: 1.02 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

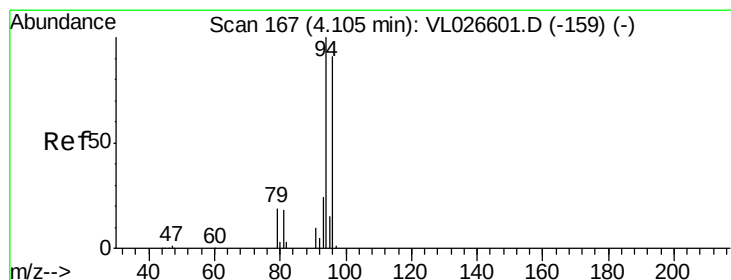
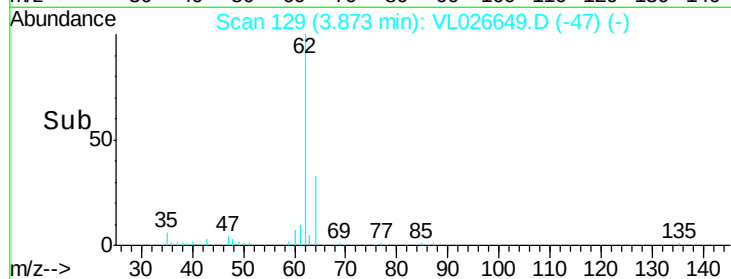
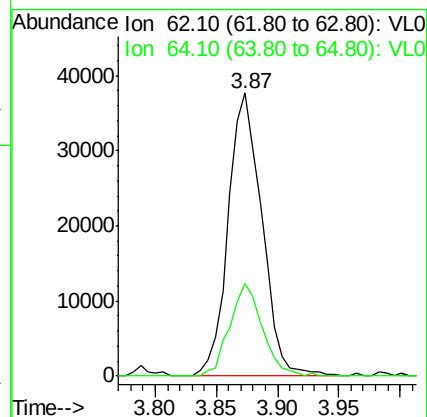
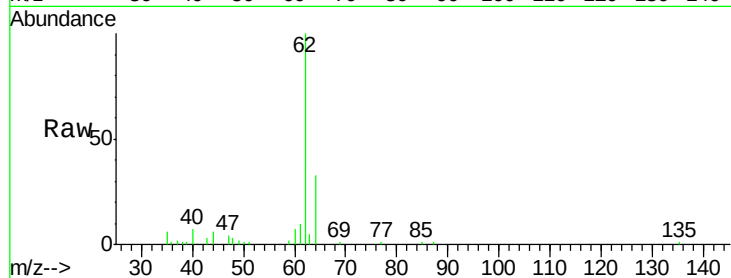
VSTDIC001

Tot Ion: 62 Resp: 72001

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4



#6

Bromomethane

Concen: 1.03 ppbv

RT: 4.12 min Scan# 170

Delta R.T. -0.01 min

Lab File: VL026649.D

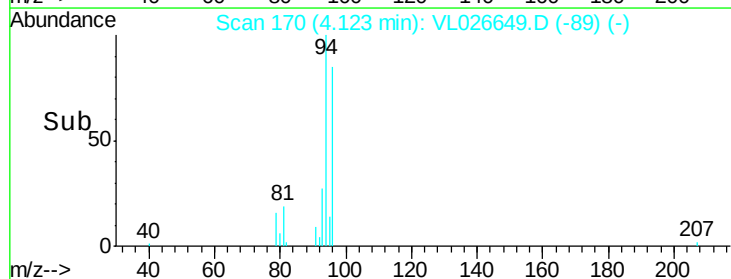
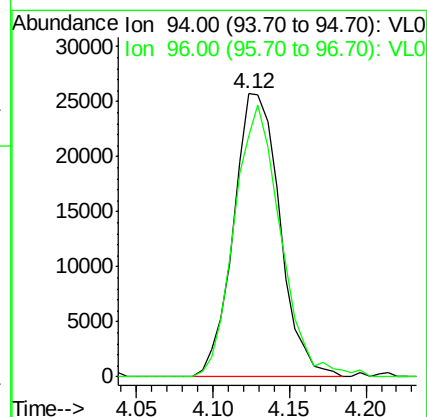
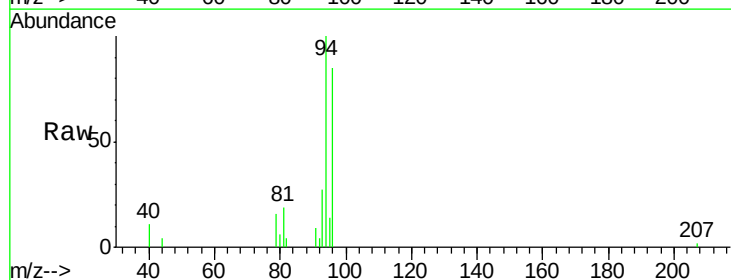
Acq: 8 Jan 2016 16:44

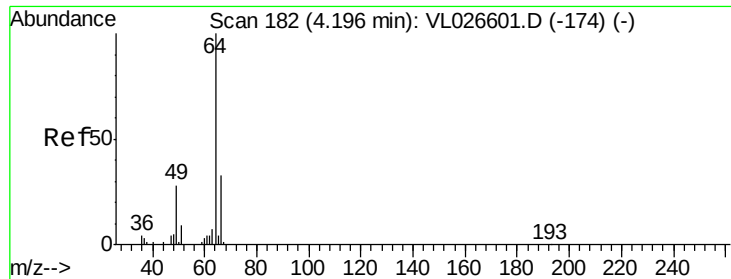
Tgt Ion: 94 Resp: 54154

Ion Ratio Lower Upper

94 100

96 85.2 74.6 112.0





#7

Chloroethane

Concen: 0.98 ppbv

RT: 4.23 min Scan# 187

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

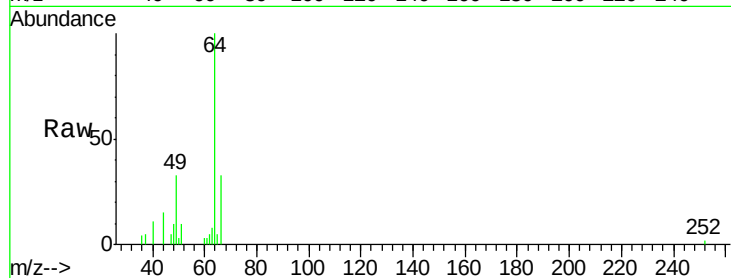
VSTDIC001

Tot Ion: 64 Resp: 30688

Ion Ratio Lower Upper

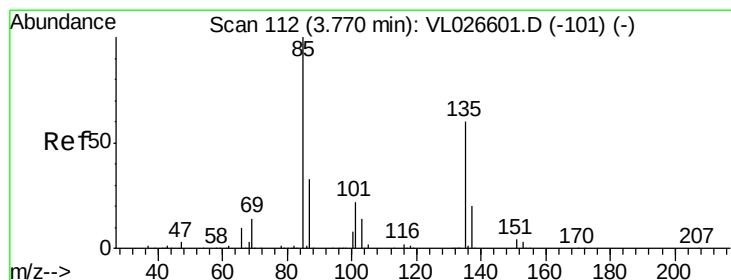
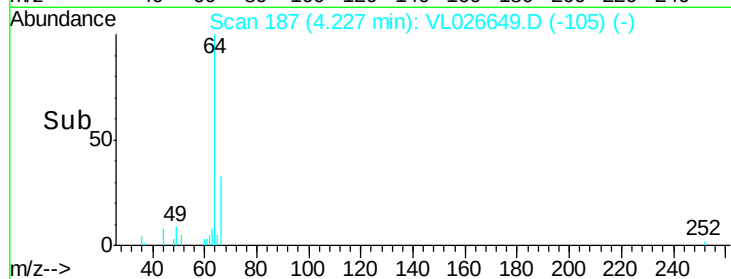
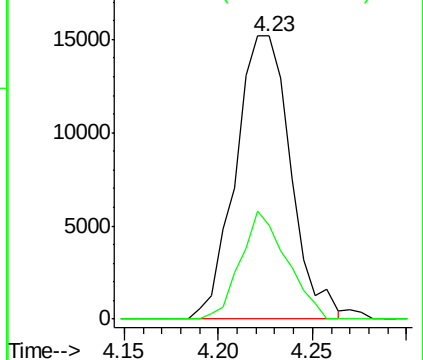
64 100

66 33.3 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.07 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026649.D

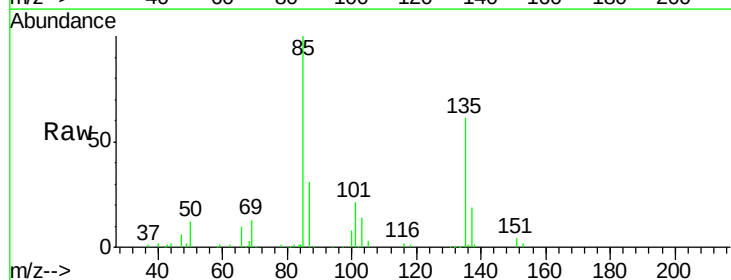
Acq: 8 Jan 2016 16:44

Tgt Ion: 85 Resp: 208063

Ion Ratio Lower Upper

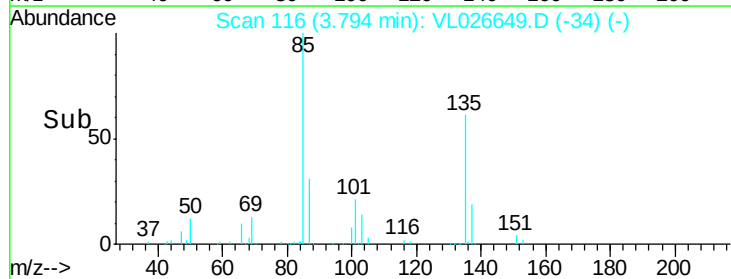
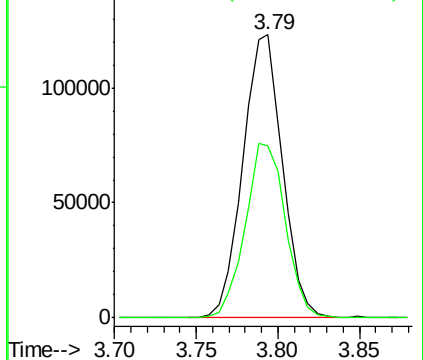
85 100

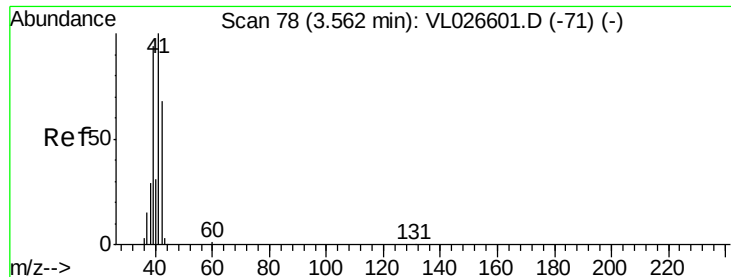
135 62.6 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.02 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

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ClientSampleId :

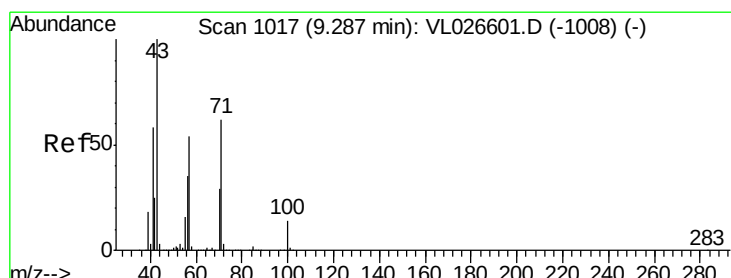
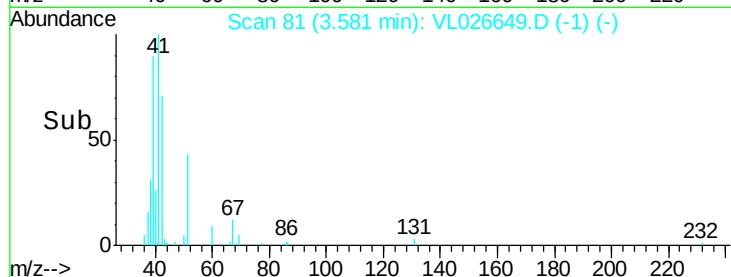
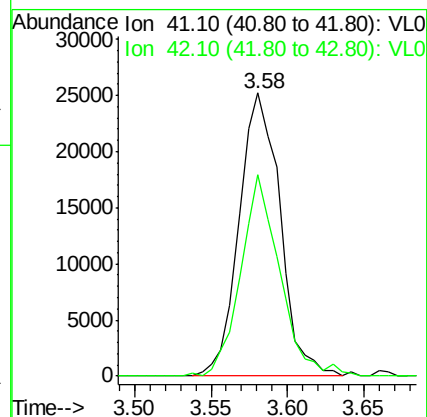
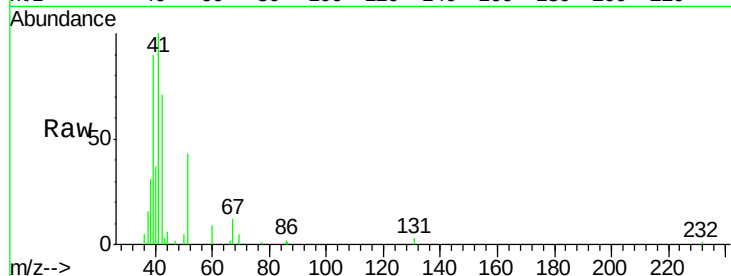
VSTDIC001

Tot Ion: 41 Resp: 46988

Ion Ratio Lower Upper

41 100

42 68.0 53.6 80.4



#10

Heptane

Concen: 1.07 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026649.D

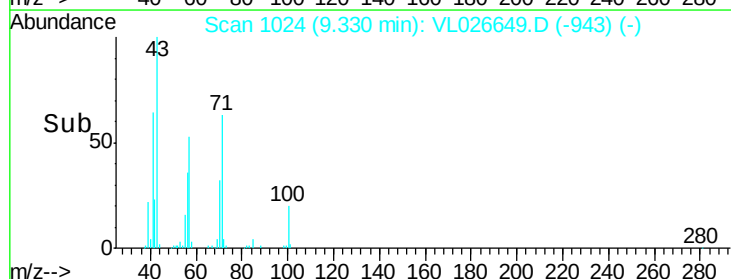
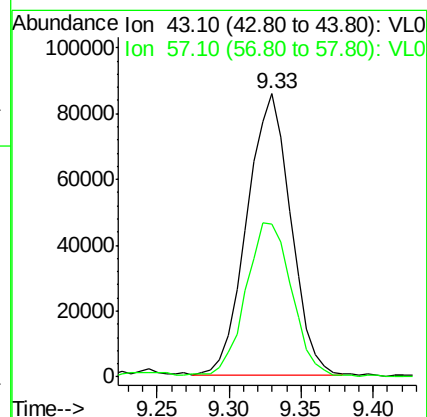
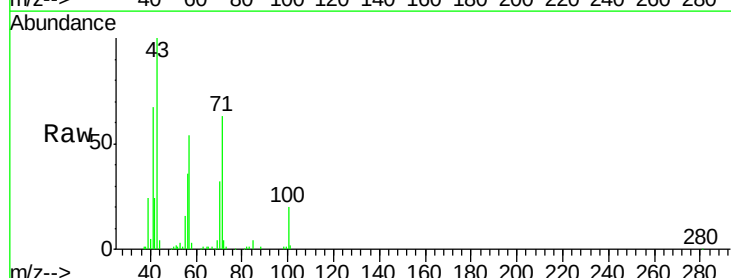
Acq: 8 Jan 2016 16:44

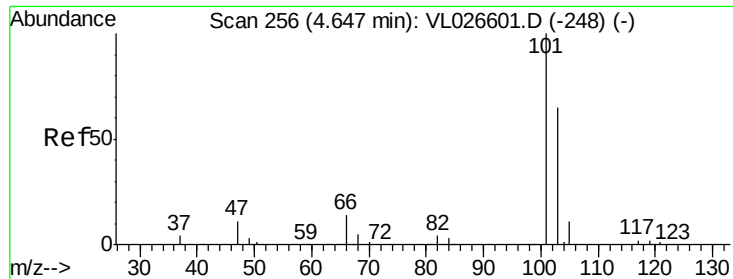
Tgt Ion: 43 Resp: 179348

Ion Ratio Lower Upper

43 100

57 58.5 45.8 68.6

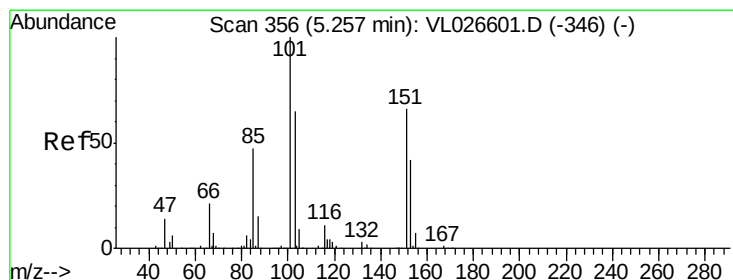
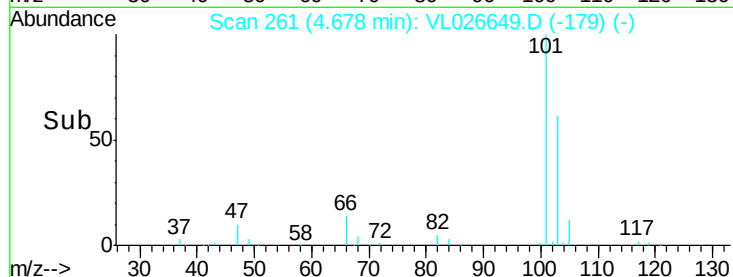
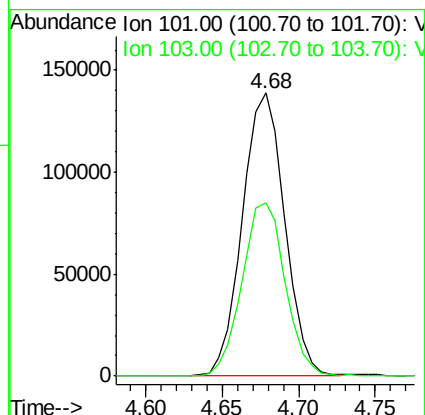
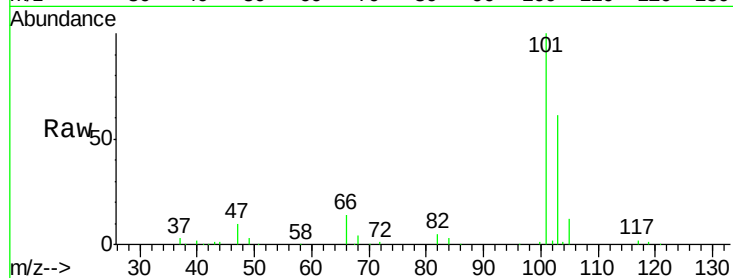




#11
 Trichlorofluoromethane
 Concen: 1.06 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

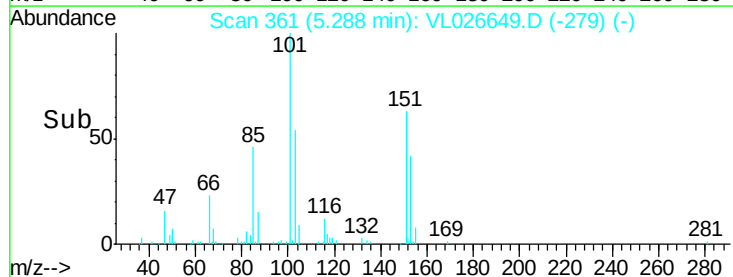
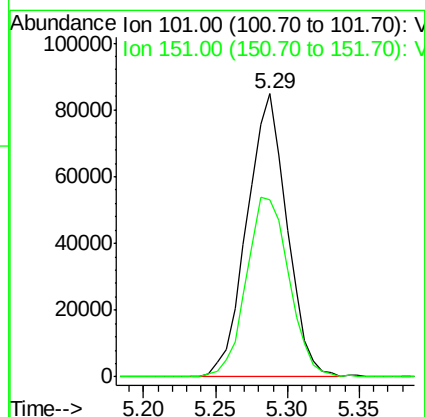
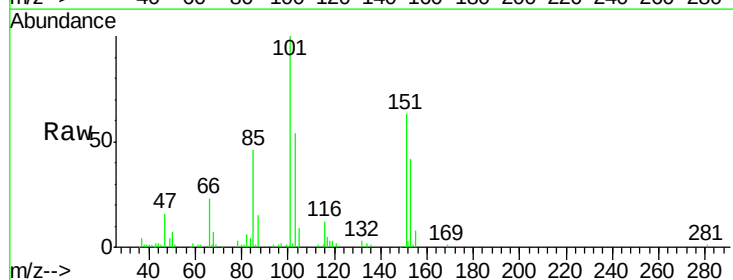
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

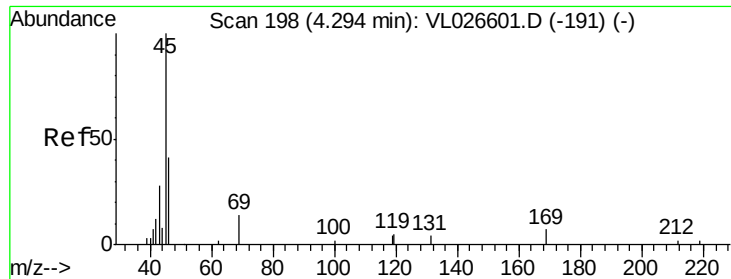
Tot Ion:101 Resp: 267301
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.06 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion:101 Resp: 163387
 Ion Ratio Lower Upper
 101 100
 151 67.6 54.2 81.4

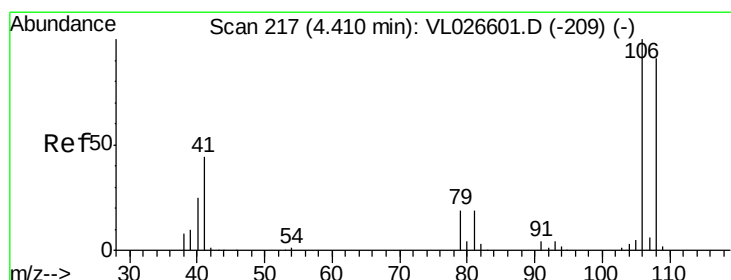
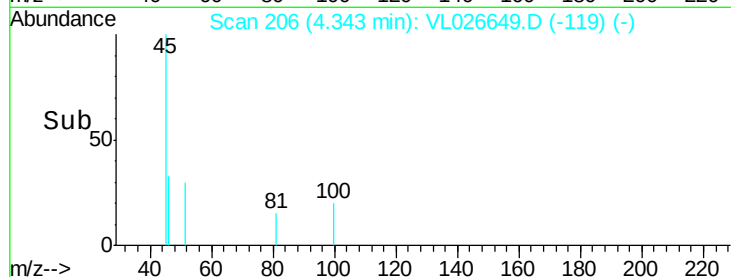
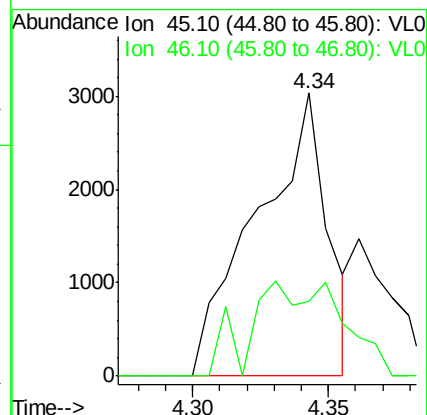
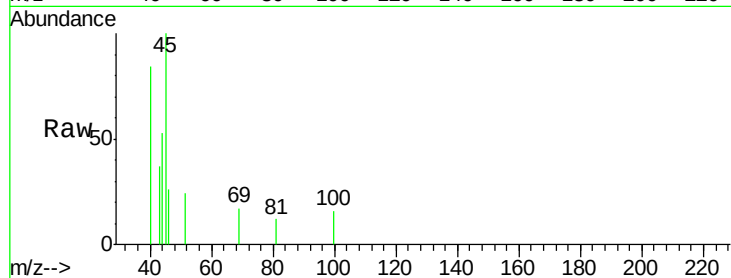




#13
Ethanol
Concen: 0.56 ppbv
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

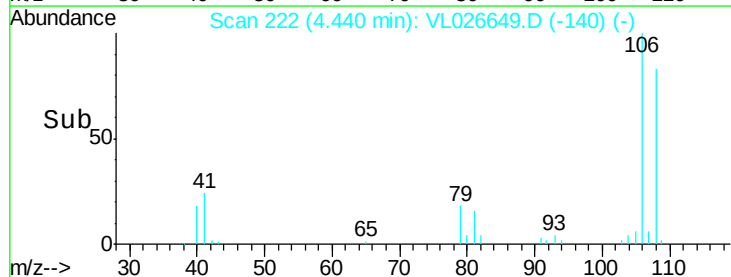
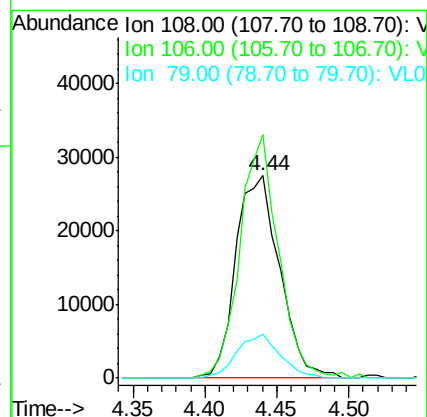
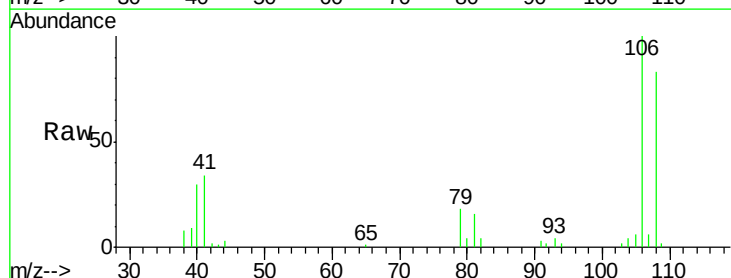
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

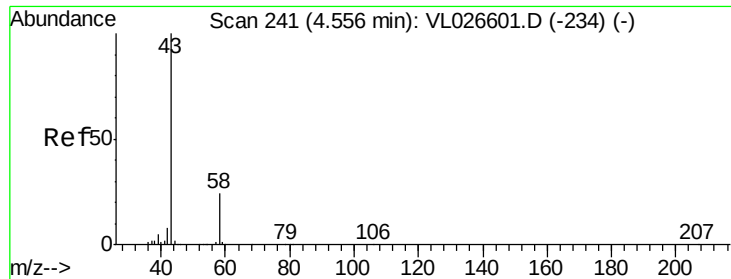
Tot Ion: 45 Resp: 5457
Ion Ratio Lower Upper
45 100
46 43.5 16.7 66.7



#14
Bromoethene
Concen: 1.00 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 108 Resp: 58397
Ion Ratio Lower Upper
108 100
106 105.6 86.3 129.5
79 21.3 17.3 25.9





#15

Acetone

Concen: 1.22 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

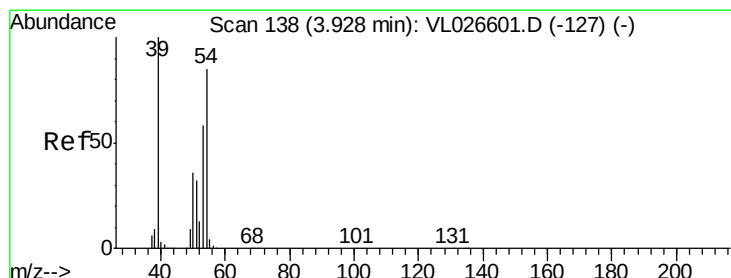
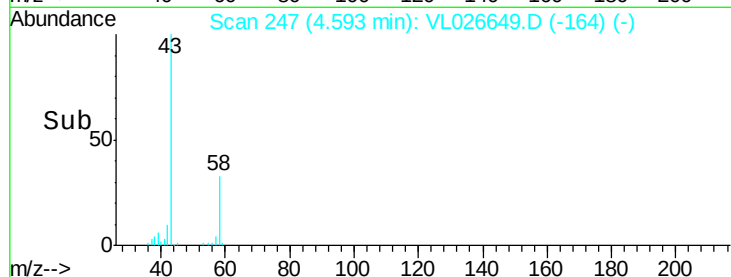
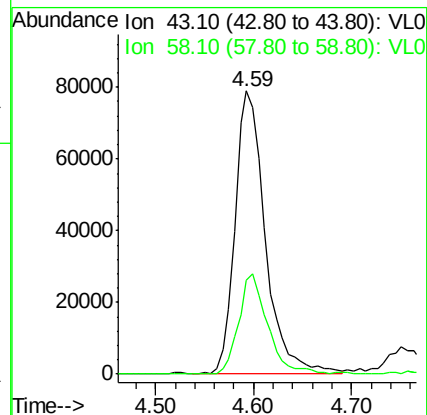
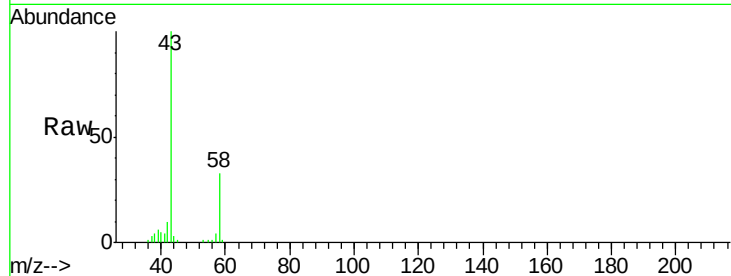
VSTDIC001

Tot Ion: 43 Resp: 169970

Ion Ratio Lower Upper

43 100

58 33.9 19.2 28.8#



#16

1,3-Butadiene

Concen: 1.02 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL026649.D

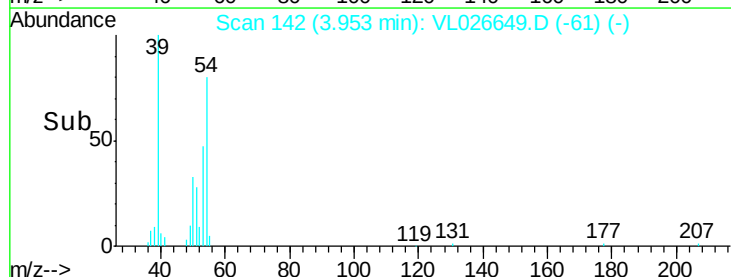
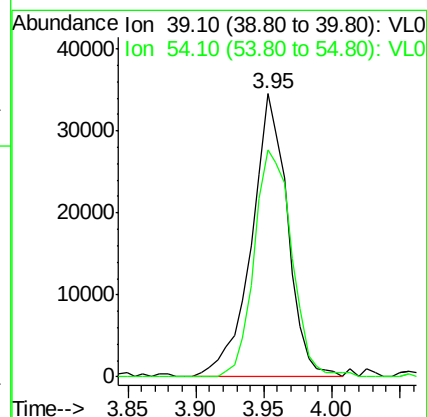
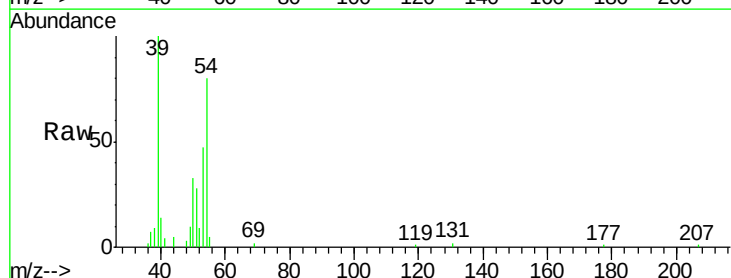
Acq: 8 Jan 2016 16:44

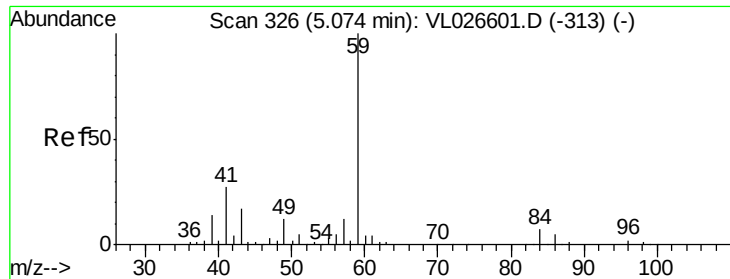
Tgt Ion: 39 Resp: 63913

Ion Ratio Lower Upper

39 100

54 83.6 66.4 99.6



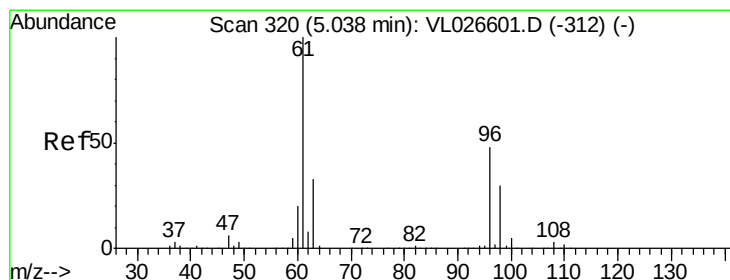
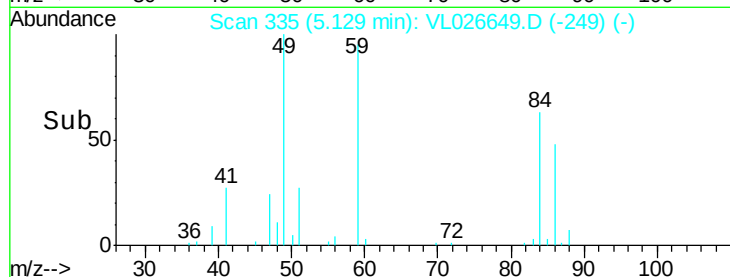
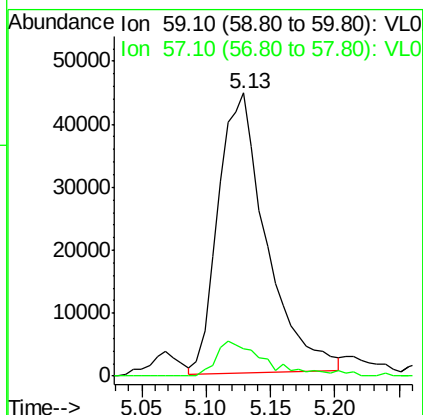
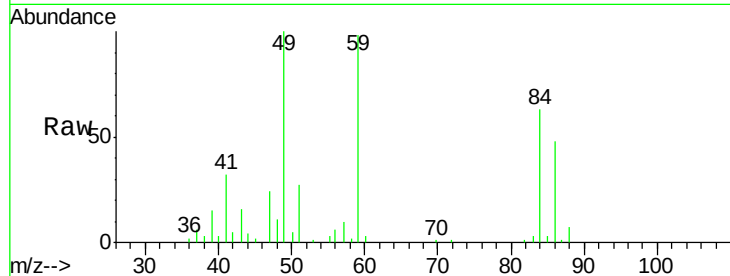


#17

tert-Butyl alcohol
Concen: 0.90 ppbv
RT: 5.13 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

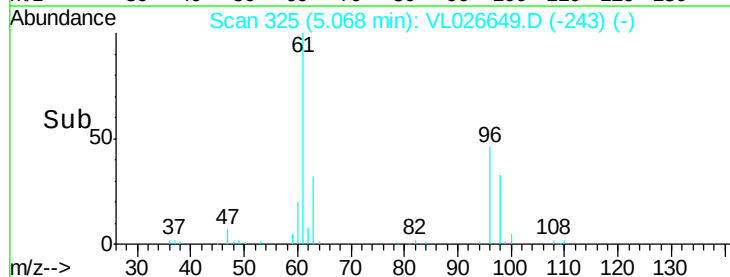
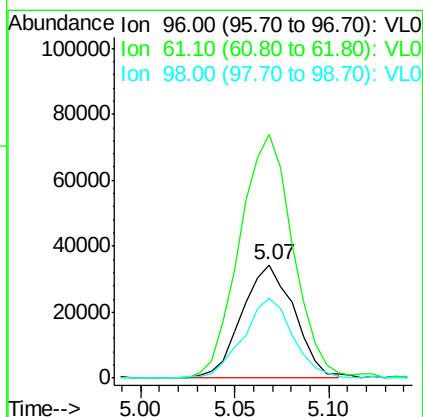
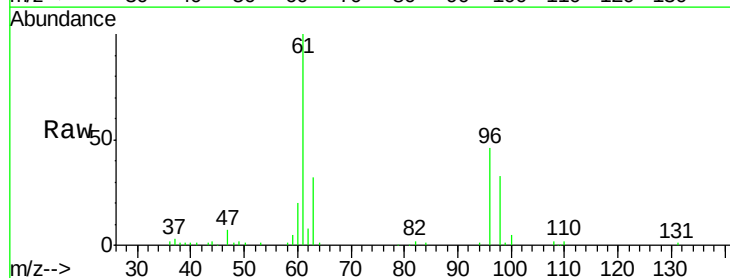
Tot Ion: 59 Resp: 116820
Ion Ratio Lower Upper
59 100
57 13.1 8.9 13.3

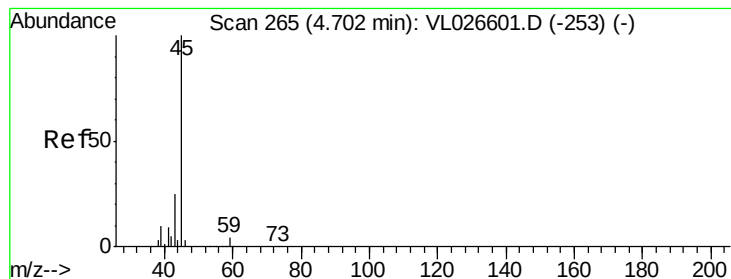


#18

1,1-Dichloroethene
Concen: 1.00 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 96 Resp: 66360
Ion Ratio Lower Upper
96 100
61 214.5 176.7 265.1
98 69.4 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.73 ppbv

RT: 4.76 min Scan# 274

Delta R.T. 0.02 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

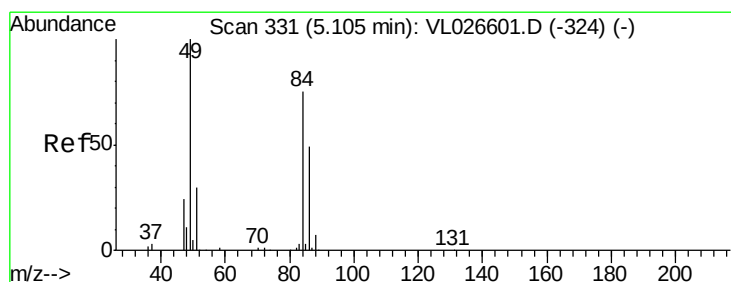
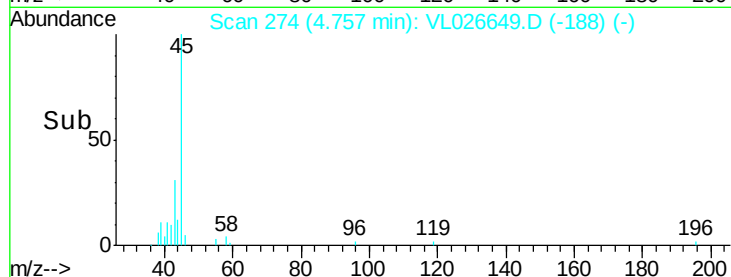
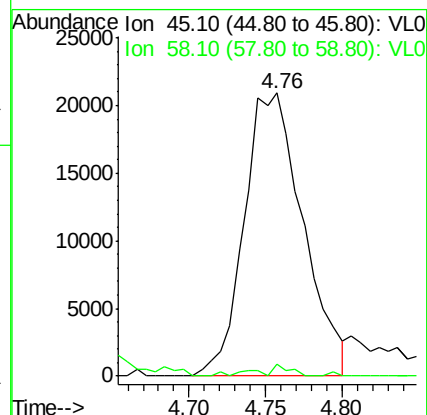
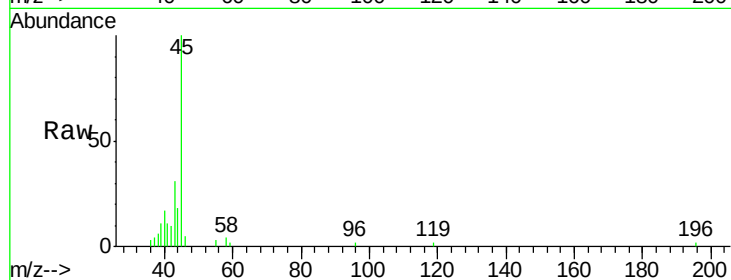
VSTDIC001

Tot Ion: 45 Resp: 56025

Ion Ratio Lower Upper

45 100

58 102.8 1.2 1.8#



#20

Methylene Chloride

Concen: 1.05 ppbv

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion: 84 Resp: 63774

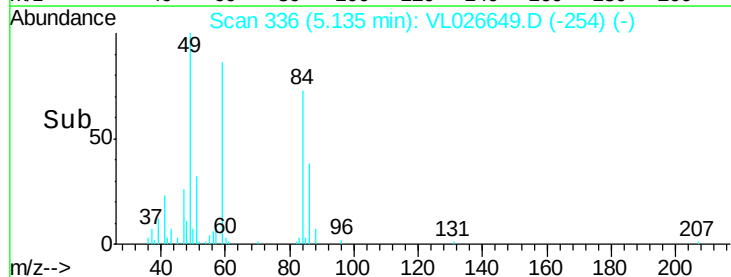
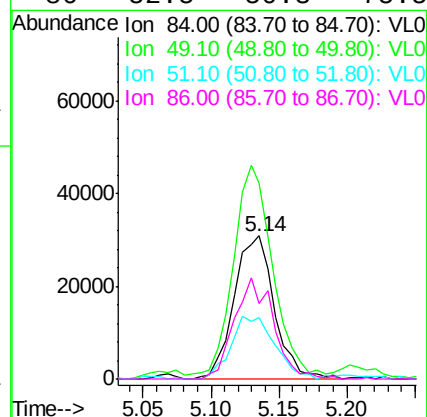
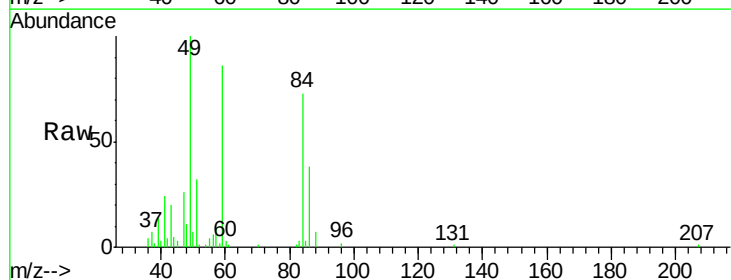
Ion Ratio Lower Upper

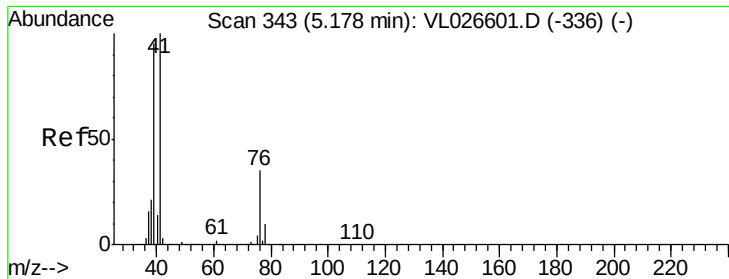
84 100

49 132.1 112.3 168.5

51 44.1 32.5 48.7

86 52.5 50.3 75.5





#21

Allvl Chloride

Concen: 0.99 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

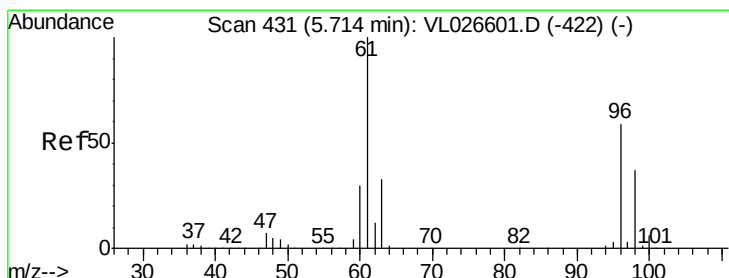
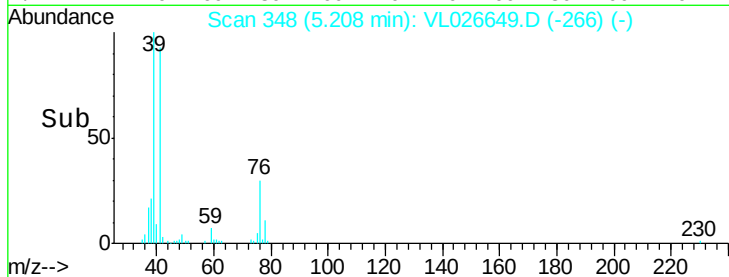
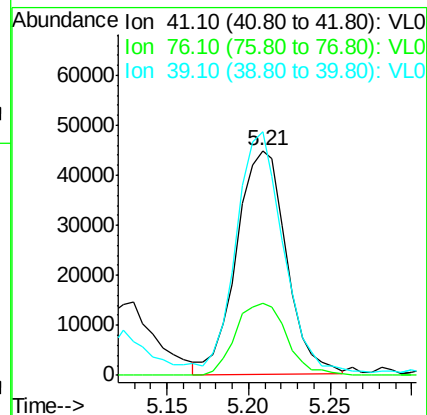
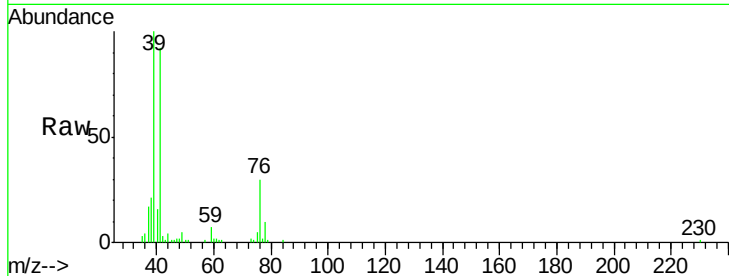
Tot Ion: 41 Resp: 95218

Ion Ratio Lower Upper

41 100

76 33.1 27.5 41.3

39 103.0 83.2 124.8



#22

trans-1,2-Dichloroethene

Concen: 1.05 ppbv

RT: 5.74 min Scan# 436

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

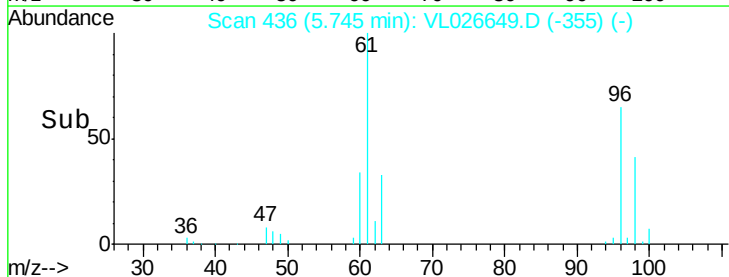
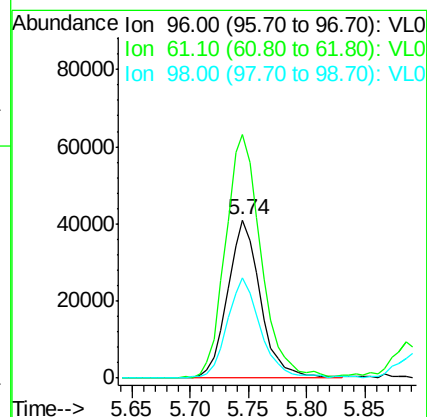
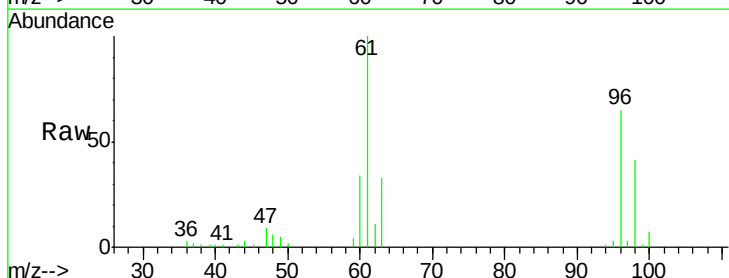
Tgt Ion: 96 Resp: 80308

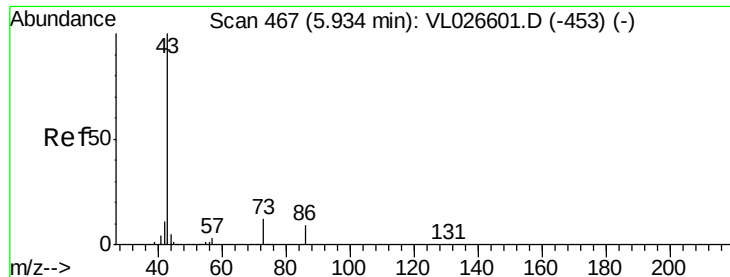
Ion Ratio Lower Upper

96 100

61 153.9 131.0 196.6

98 62.7 48.1 72.1





#23

Vinyl Acetate

Concen: 0.90 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleID :

VSTDIC001

Tot Ion: 43 Resp: 227478

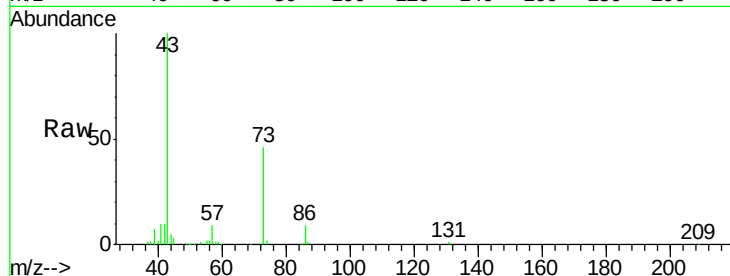
Ion Ratio Lower Upper

43 100

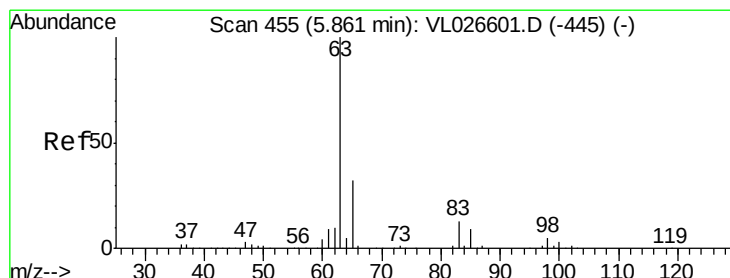
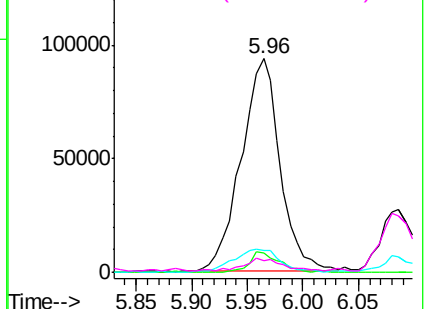
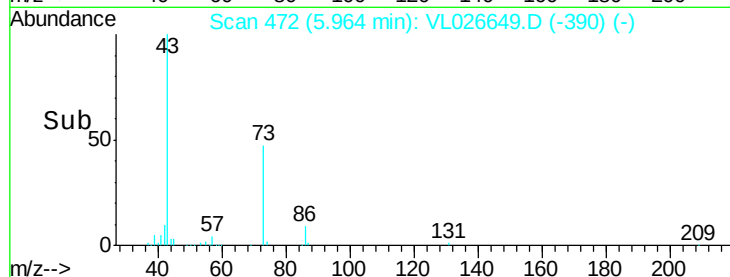
86 9.0 7.4 11.0

42 10.5 9.2 13.8

44 4.8 3.8 5.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 1.04 ppbv

RT: 5.89 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

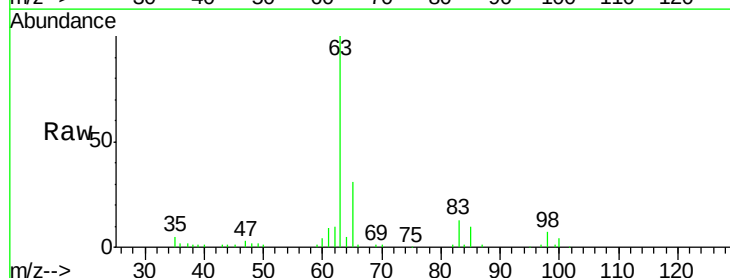
Tgt Ion: 63 Resp: 176223

Ion Ratio Lower Upper

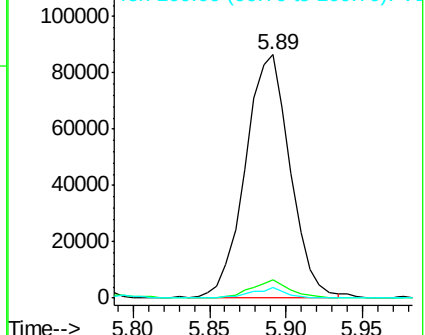
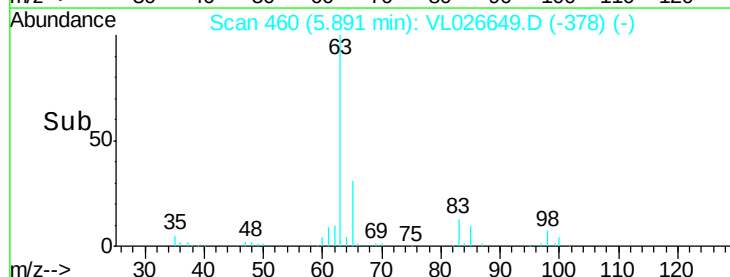
63 100

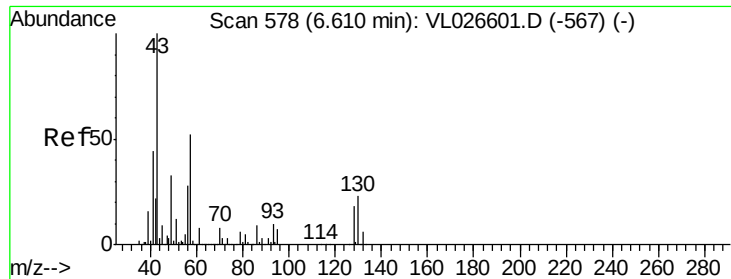
98 7.4 2.9 8.7

100 4.2 1.6 4.8



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 244427

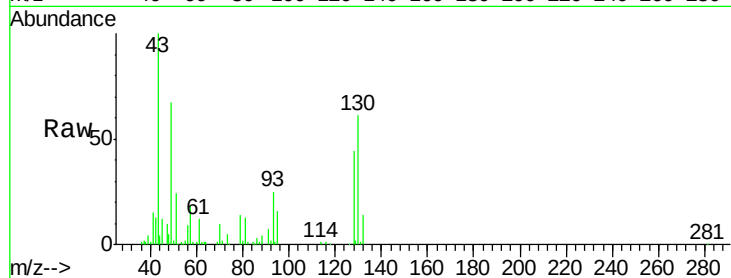
Ion Ratio Lower Upper

43 100

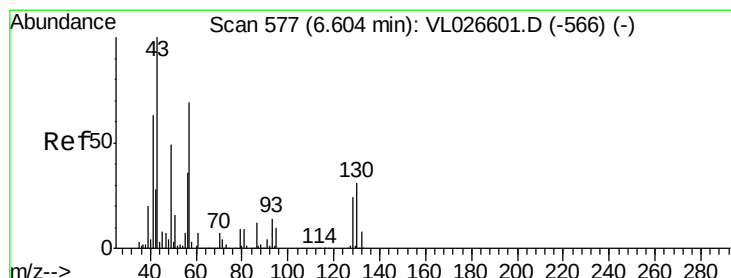
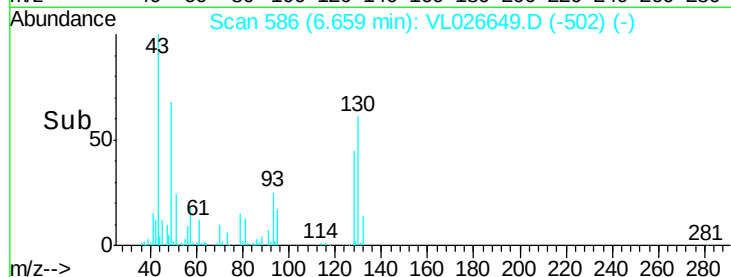
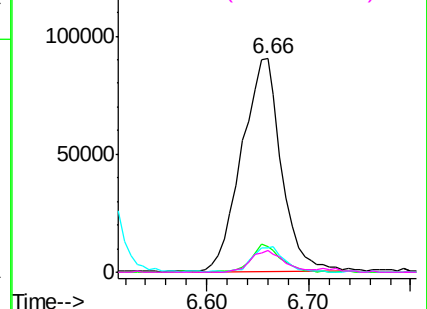
45 10.1 7.5 11.3

61 9.7 7.3 10.9

70 9.7 7.4 11.0



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



#26

Hexane

Concen: 1.06 ppbv

RT: 6.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion: 57 Resp: 129950

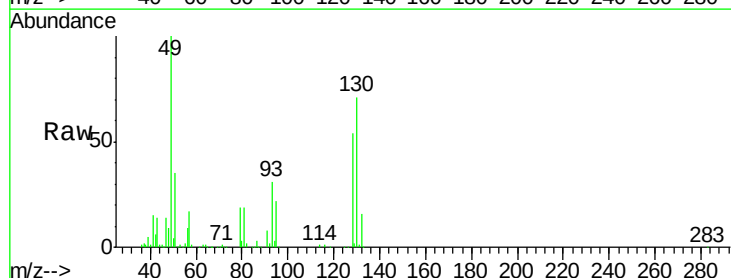
Ion Ratio Lower Upper

57 100

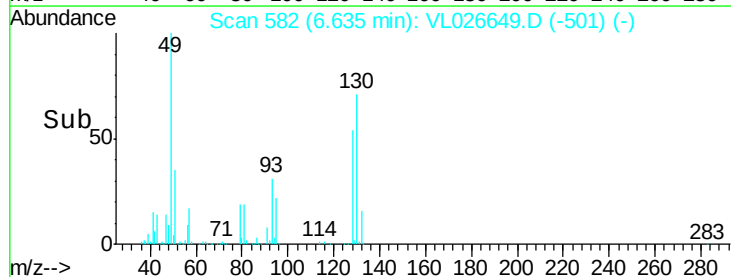
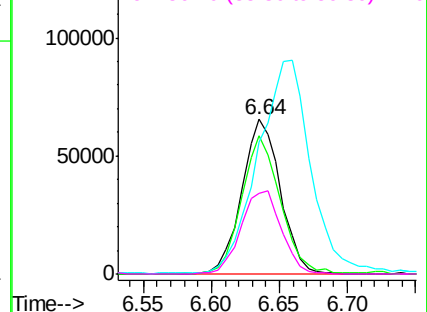
41 90.4 74.8 112.2

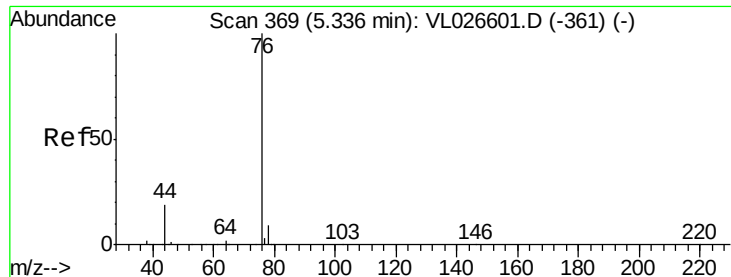
43 194.1 161.5 242.3

56 56.0 44.4 66.6



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

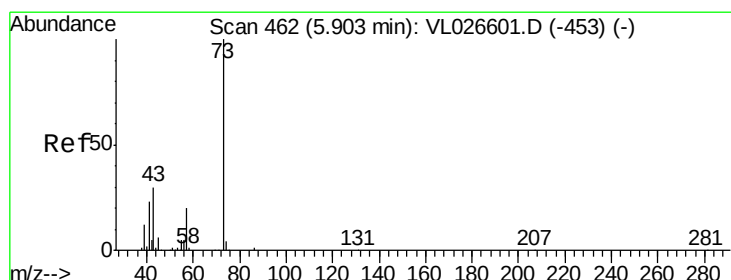
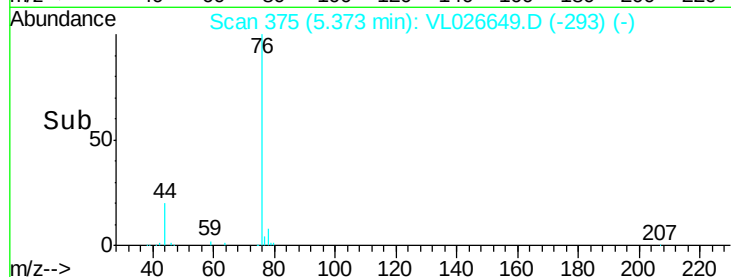
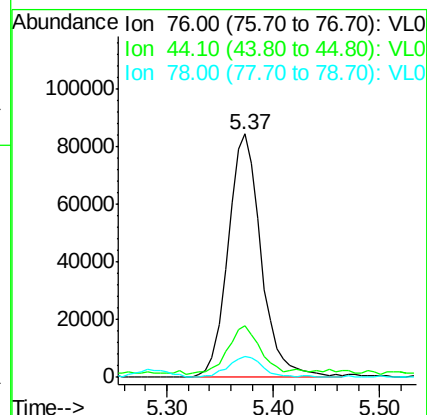
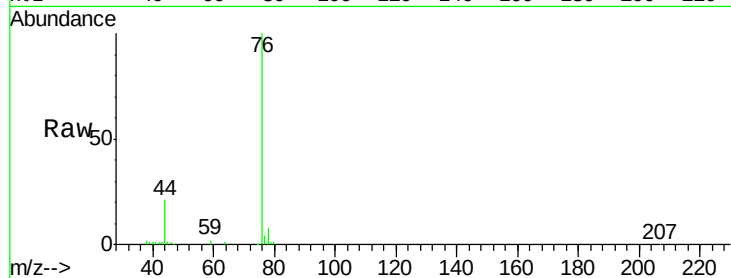




#27
Carbon Disulfide
Concen: 0.95 ppbv
RT: 5.37 min Scan# 375
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

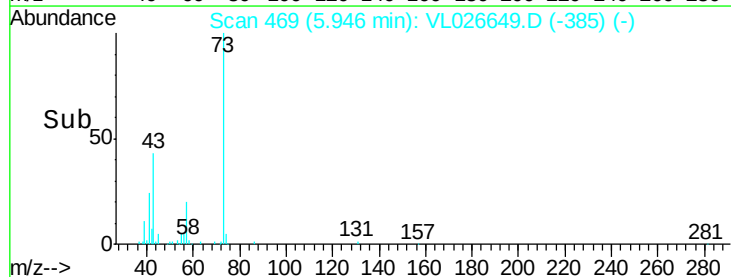
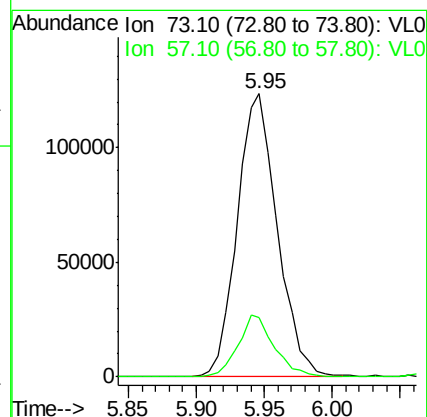
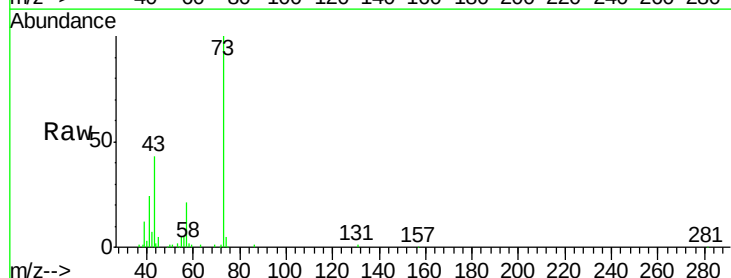
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

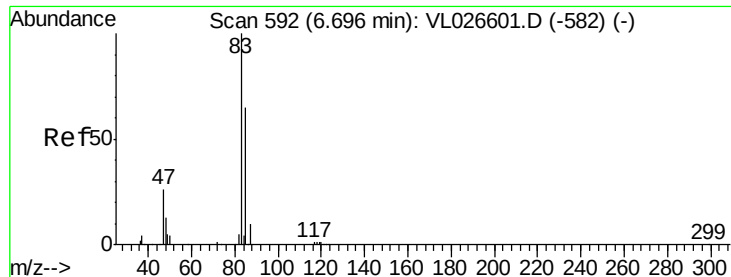
Tot Ion: 76 Resp: 183636
Ion Ratio Lower Upper
76 100
44 20.4 16.1 24.1
78 9.0 7.4 11.0



#28
Methyl tert-Butyl Ether
Concen: 1.01 ppbv
RT: 5.95 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 73 Resp: 253750
Ion Ratio Lower Upper
73 100
57 19.8 16.2 24.4

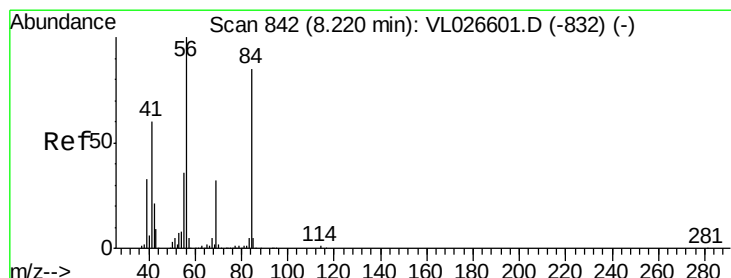
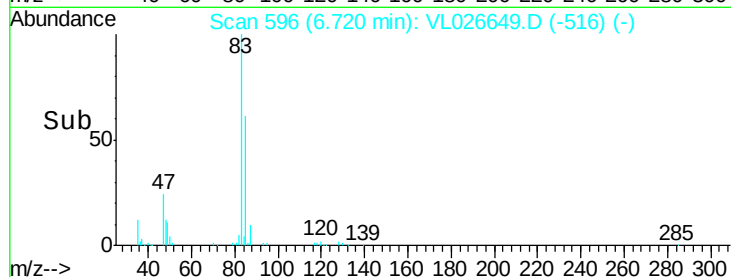
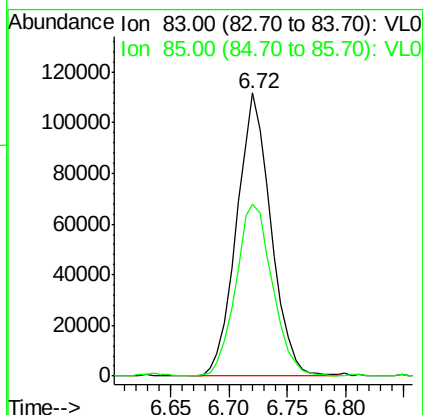
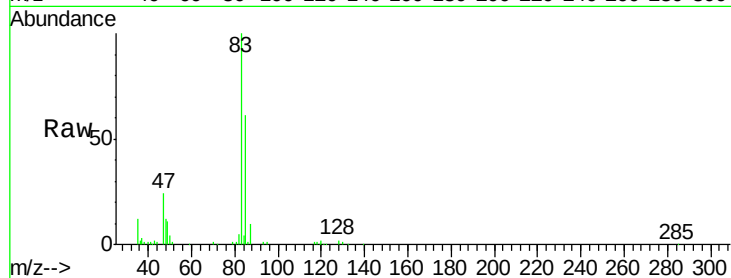




#29
Chloroform
Concen: 1.05 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

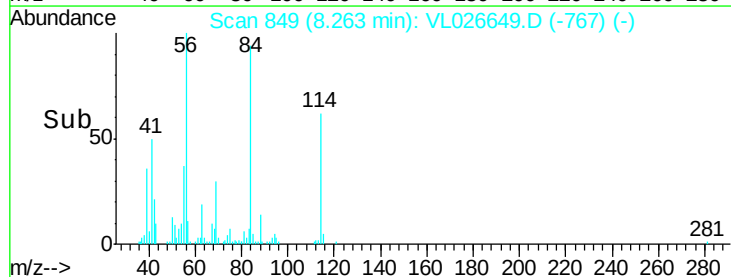
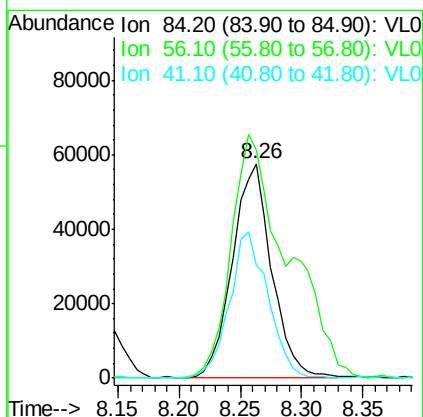
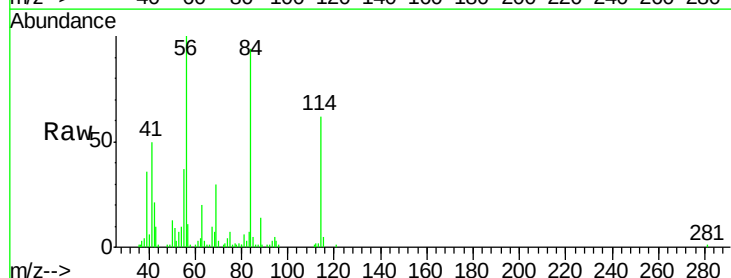
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

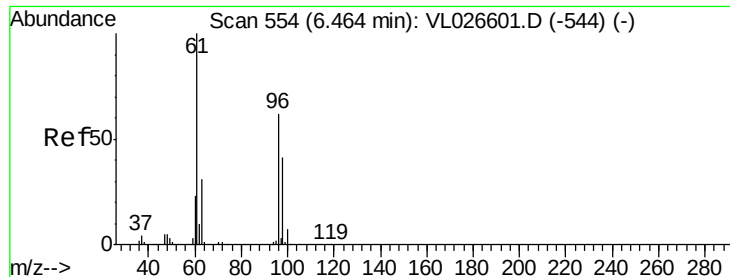
Tot Ion: 83 Resp: 229591
Ion Ratio Lower Upper
83 100
85 60.9 51.6 77.4



#30
Cyclohexane
Concen: 1.03 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 84 Resp: 128510
Ion Ratio Lower Upper
84 100
56 163.8 95.9 143.9#
41 66.7 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 0.98 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

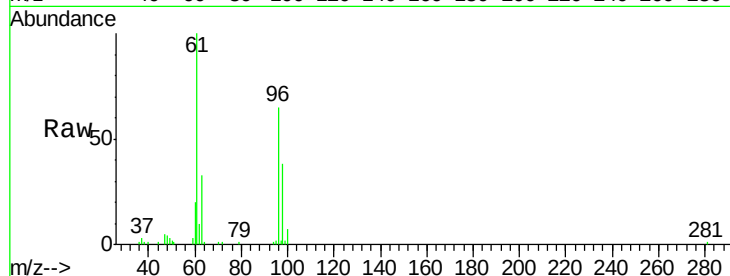
Tot Ion: 61 Resp: 126833

Ion Ratio Lower Upper

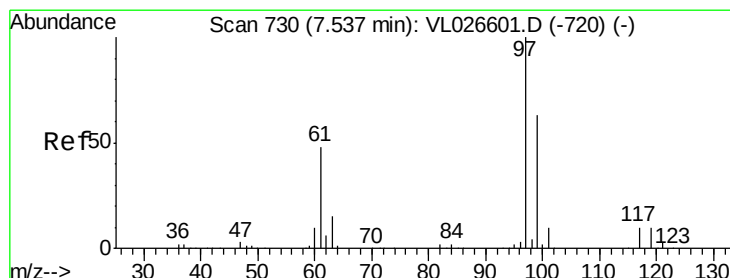
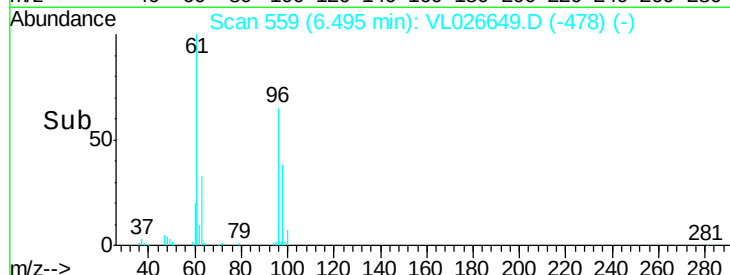
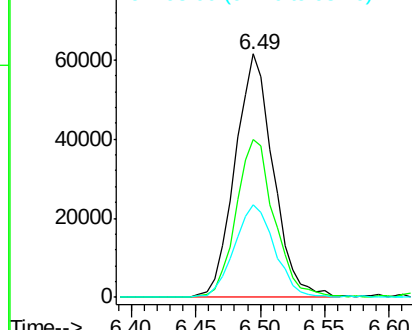
61 100

96 64.8 50.2 75.4

98 38.2 32.4 48.6



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: 1.00 ppbv

RT: 7.57 min Scan# 735

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

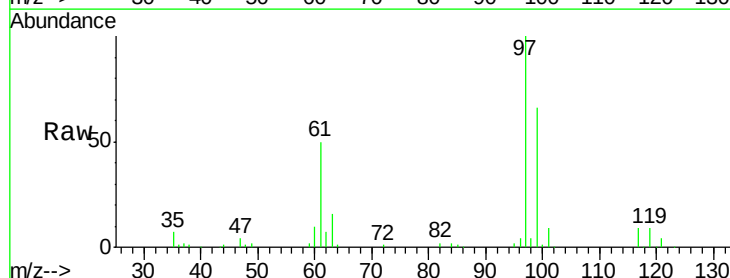
Tgt Ion: 97 Resp: 234049

Ion Ratio Lower Upper

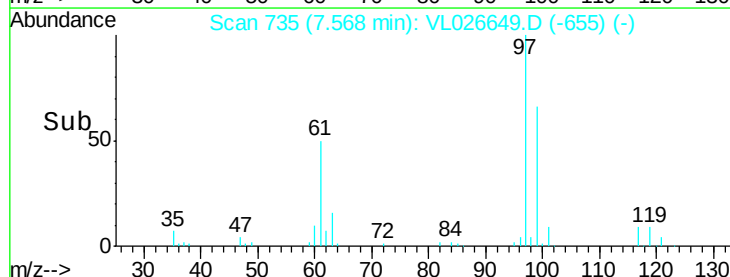
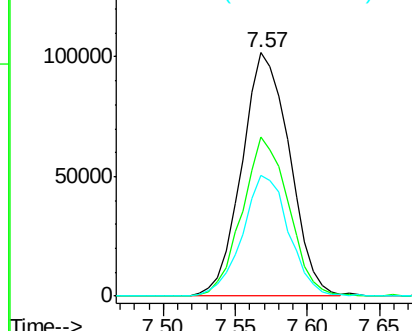
97 100

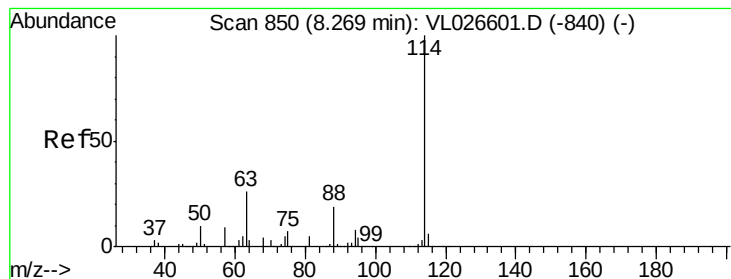
99 63.7 50.8 76.2

61 48.5 38.6 58.0



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: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

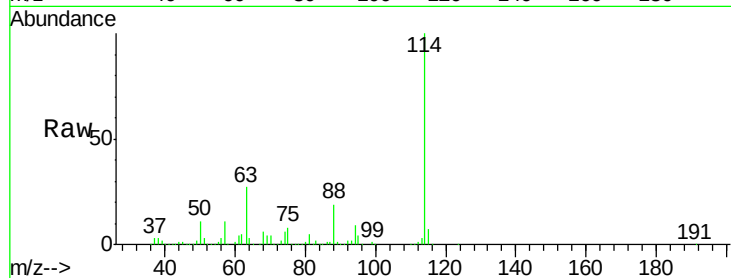
Tot Ion:114 Resp: 2762255

Ion Ratio Lower Upper

114 100

63 26.7 21.7 32.5

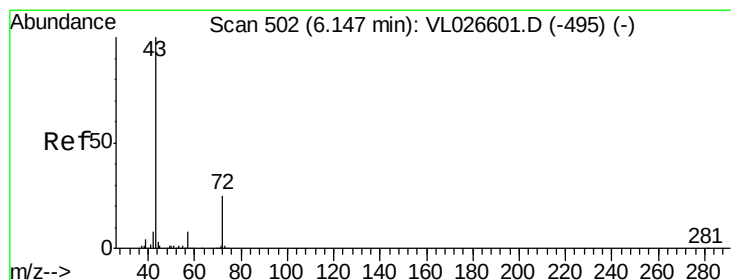
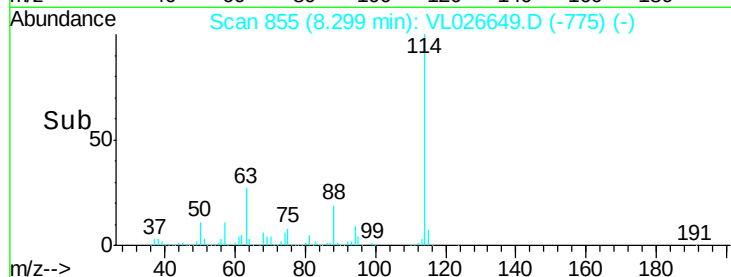
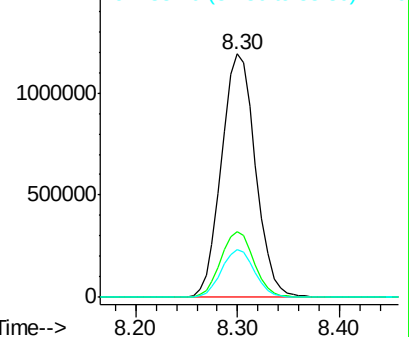
88 19.0 15.2 22.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.03 ppbv

RT: 6.18 min Scan# 508

Delta R.T. 0.00 min

Lab File: VL026649.D

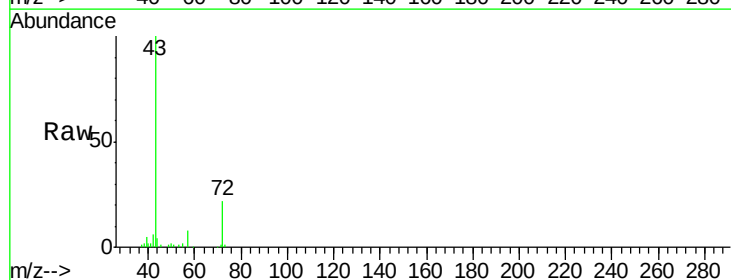
Acq: 8 Jan 2016 16:44

Tgt Ion: 43 Resp: 148885

Ion Ratio Lower Upper

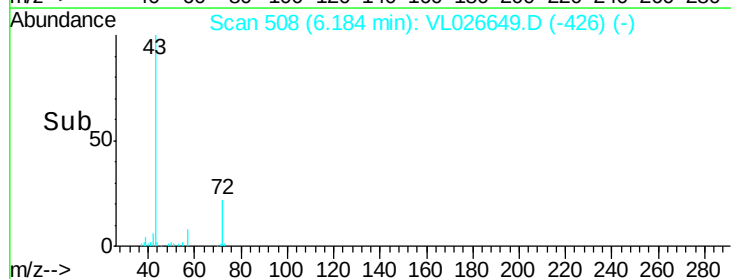
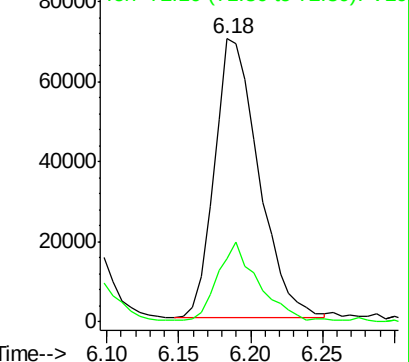
43 100

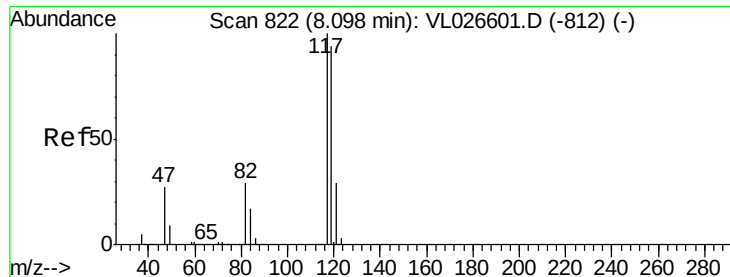
72 27.6 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.01 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

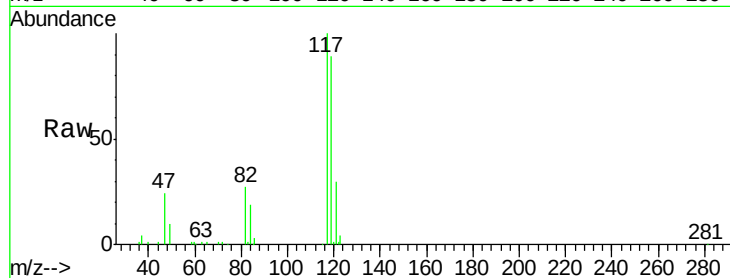
Tot Ion:117 Resp: 229789

Ion Ratio Lower Upper

117 100

119 89.1 74.7 112.1

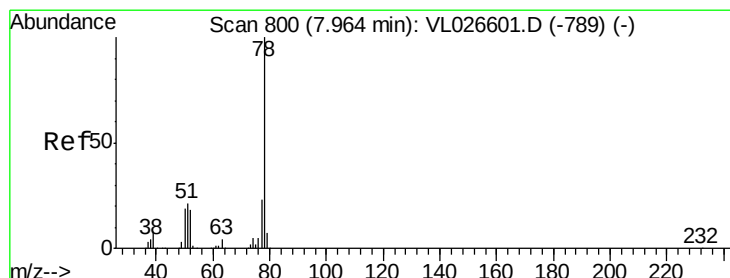
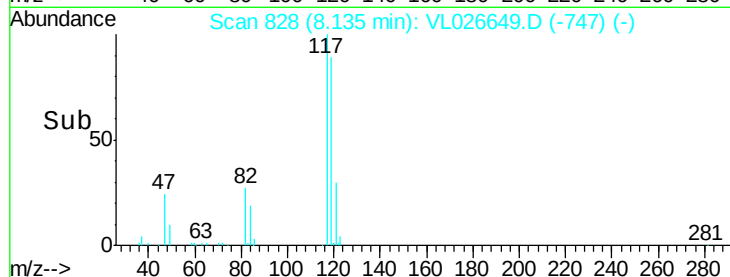
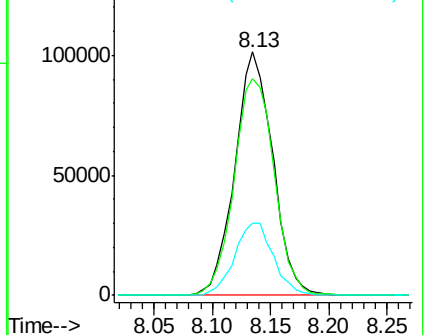
121 29.5 23.1 34.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.05 ppbv

RT: 8.00 min Scan# 806

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

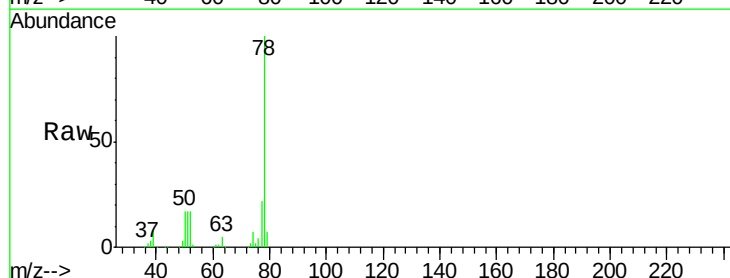
Tgt Ion: 78 Resp: 292757

Ion Ratio Lower Upper

78 100

77 21.5 18.5 27.7

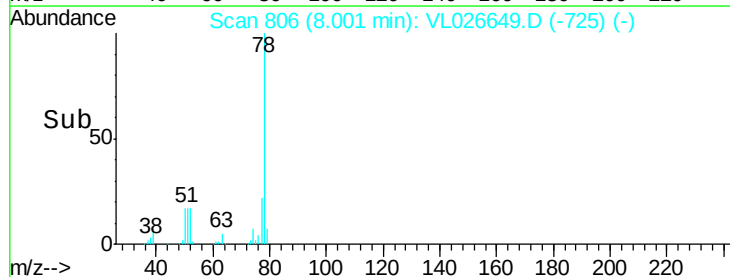
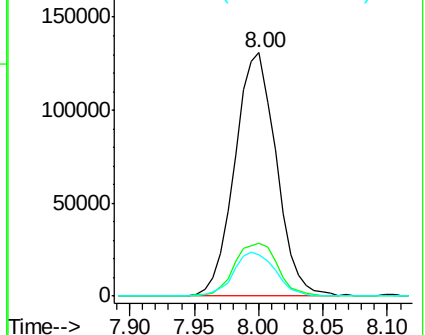
50 17.0 15.4 23.2

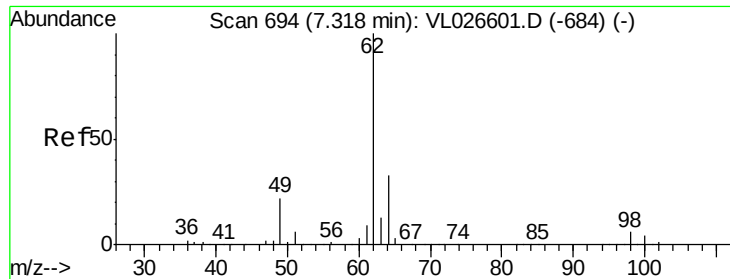


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

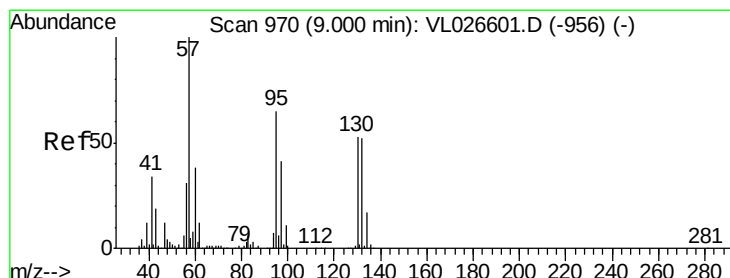
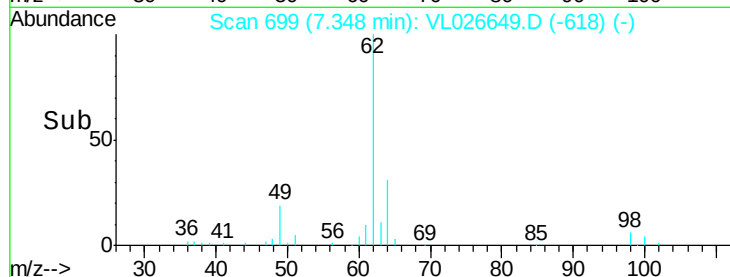
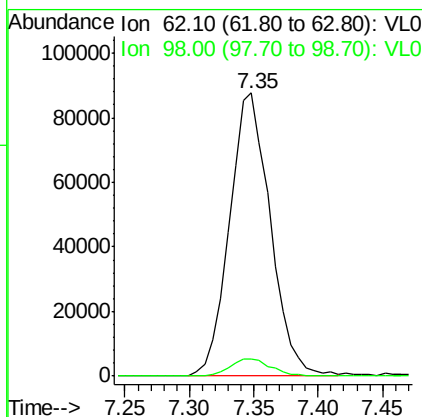
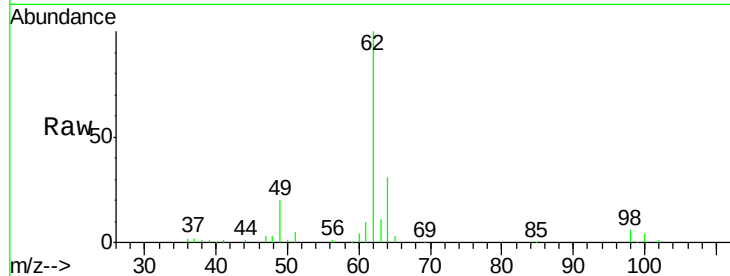




#37
 1,2-Dichloroethane
 Concen: 1.02 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

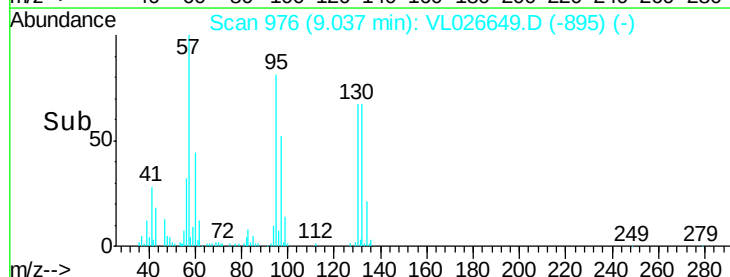
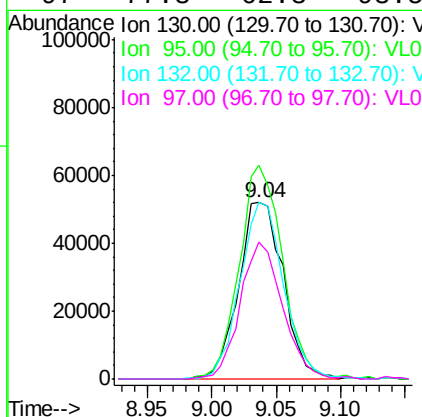
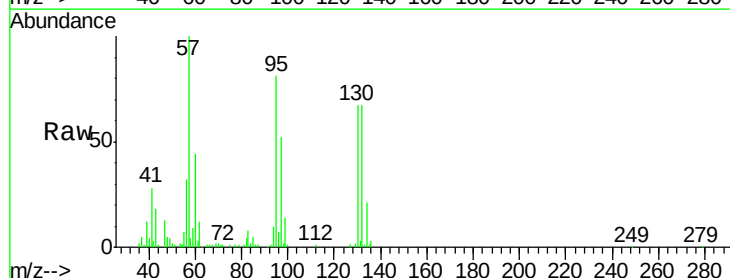
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

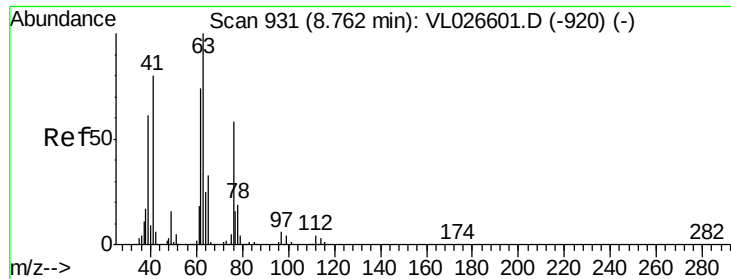
Tot Ion: 62 Resp: 193530
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.8 7.2



#38
 Trichloroethene
 Concen: 1.16 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion:130 Resp: 125171
 Ion Ratio Lower Upper
 130 100
 95 121.1 96.6 145.0
 132 99.0 76.2 114.4
 97 77.3 62.3 93.5

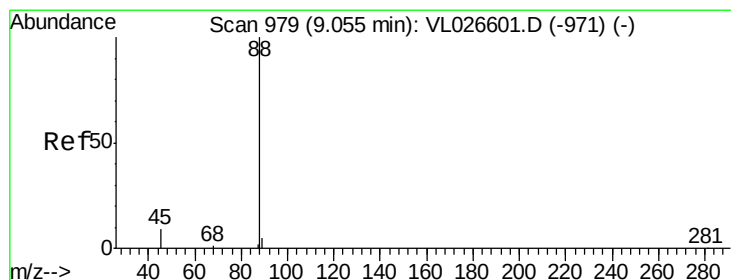
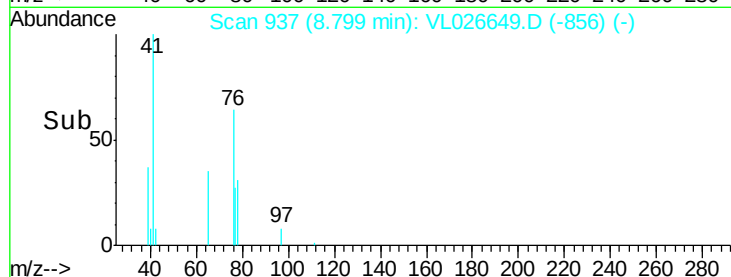
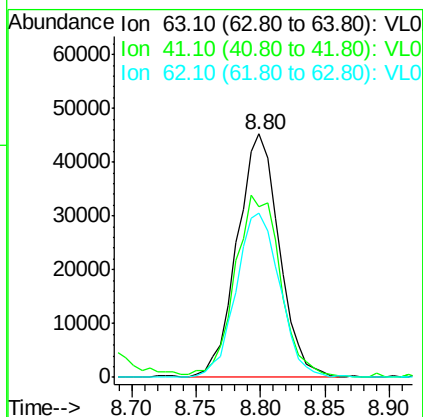
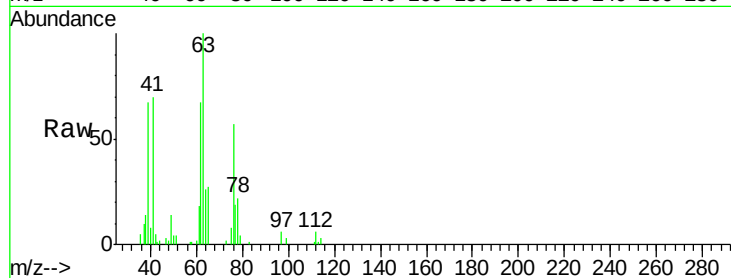




#39
 1,2-Dichloropropane
 Concen: 1.06 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

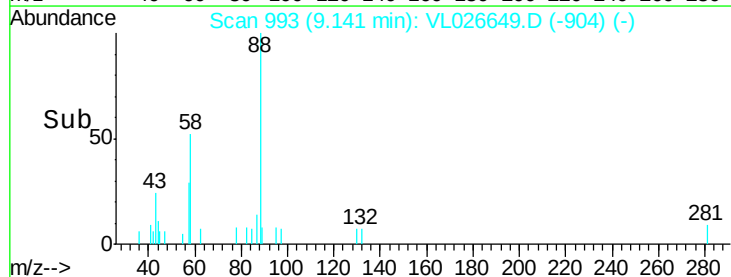
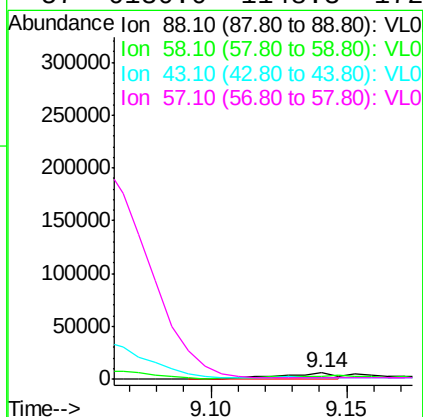
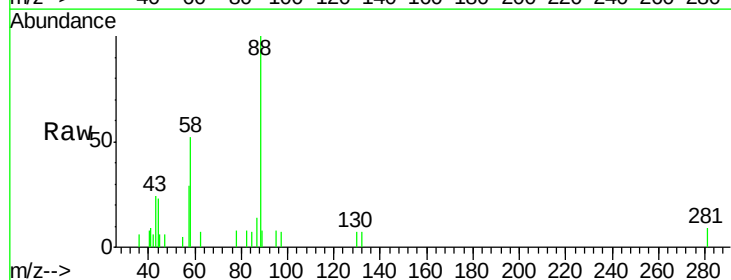
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

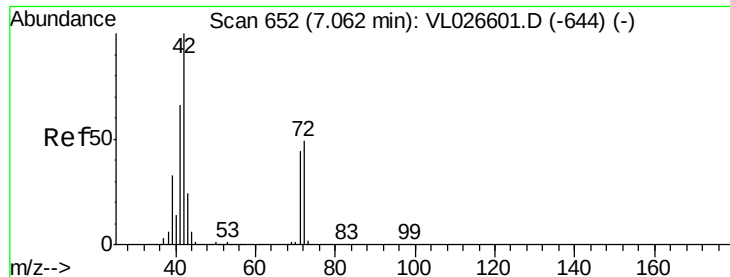
Tot Ion: 63 Resp: 102518
 Ion Ratio Lower Upper
 63 100
 41 69.2 64.1 96.1
 62 67.5 56.6 84.8



#40
 1,4-Dioxane
 Concen: 0.27 ppbv
 RT: 9.14 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 88 Resp: 8208
 Ion Ratio Lower Upper
 88 100
 58 252.4 109.4 164.2#
 43 1090.6 238.2 357.2#
 57 6130.0 1148.3 1722.5#





#41

Tetrahydrofuran

Concen: 0.95 ppbv

RT: 7.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

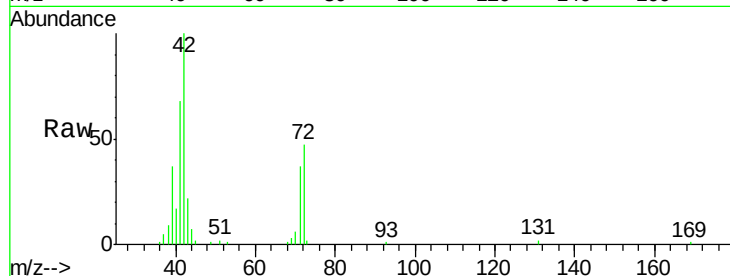
Tot Ion: 42 Resp: 73264

Ion Ratio Lower Upper

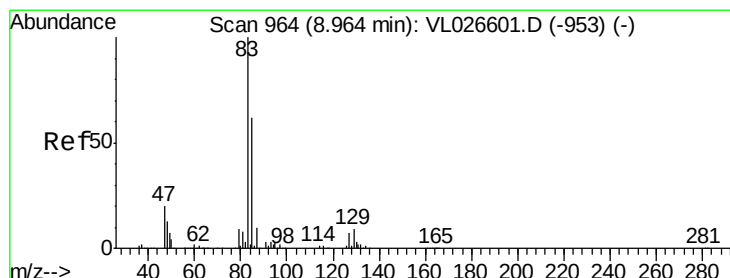
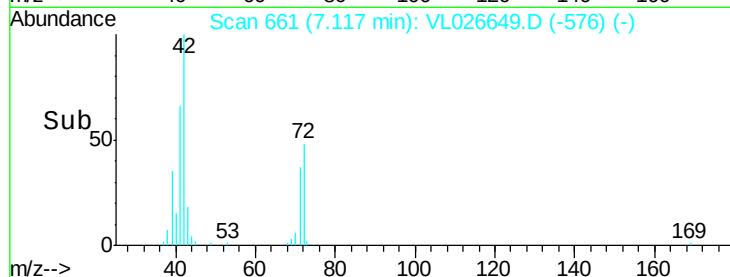
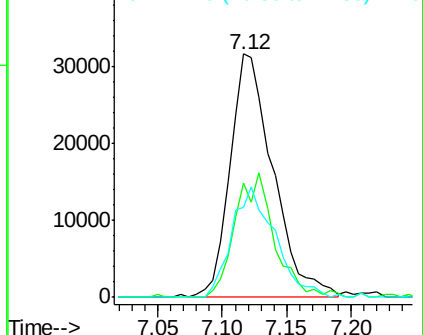
42 100

72 47.6 40.6 60.8

71 45.9 38.4 57.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 1.04 ppbv

RT: 8.99 min Scan# 969

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

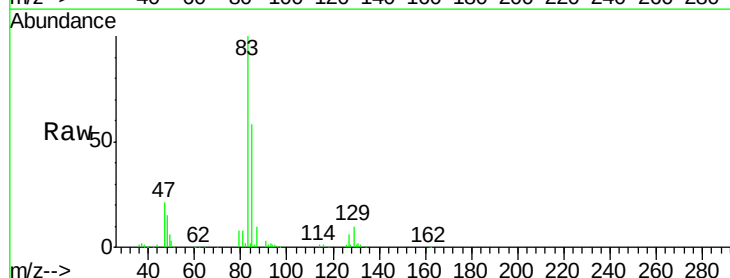
Tgt Ion: 83 Resp: 258174

Ion Ratio Lower Upper

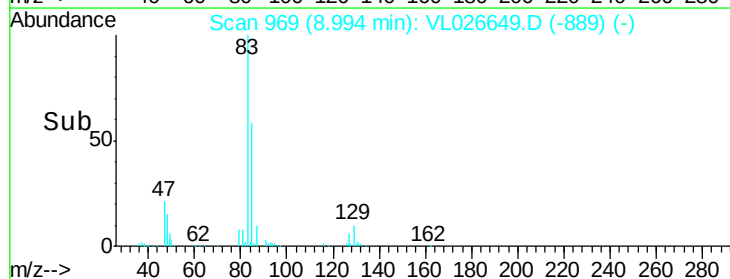
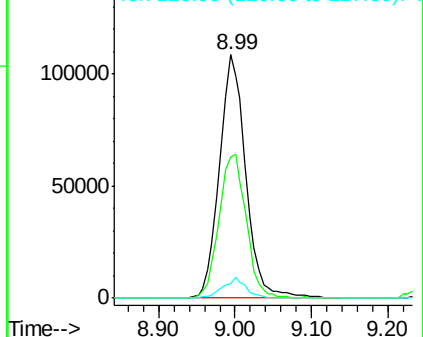
83 100

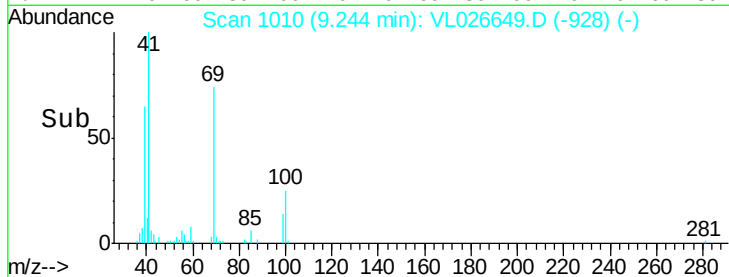
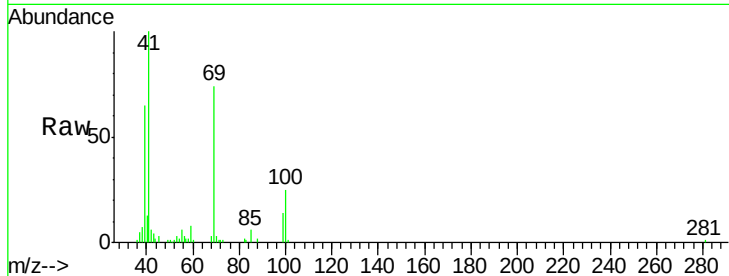
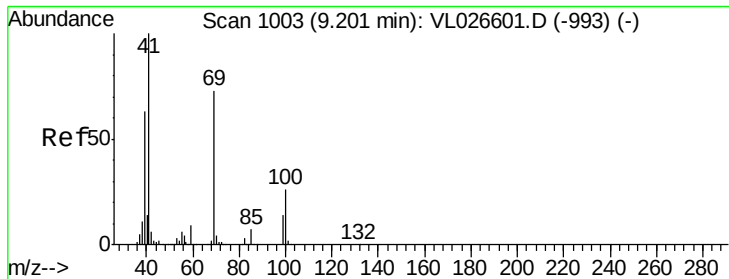
85 58.2 50.9 76.3

127 5.9 5.5 8.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.93 ppbv

RT: 9.24 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

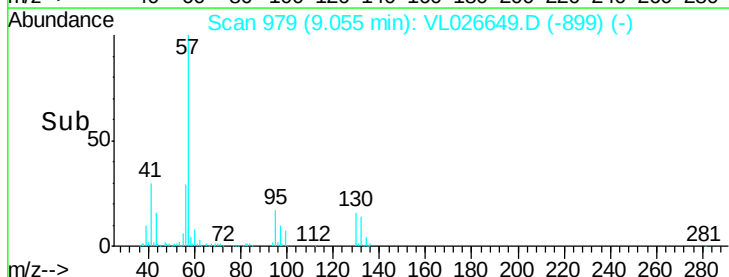
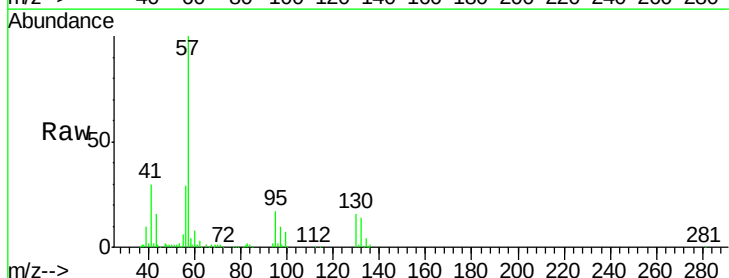
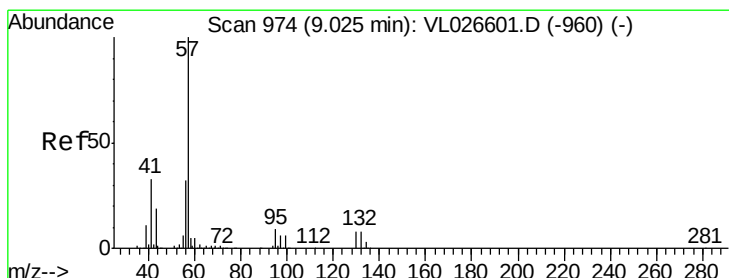
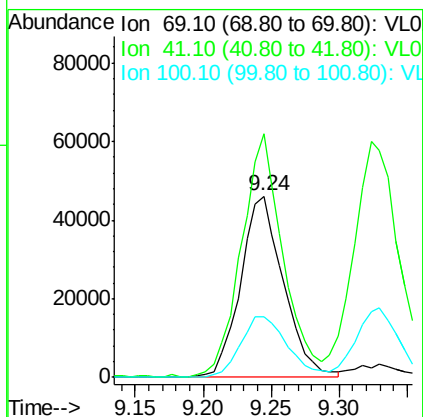
Tot Ion: 69 Resp: 101985

Ion Ratio Lower Upper

69 100

41 128.3 106.1 159.1

100 35.8 29.0 43.4



#44

2,2,4-Trimethylpentane

Concen: 1.14 ppbv

RT: 9.06 min Scan# 979

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

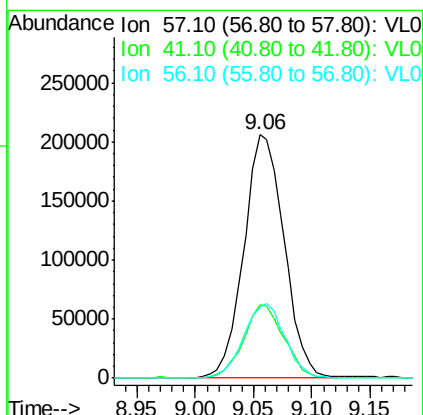
Tgt Ion: 57 Resp: 497782

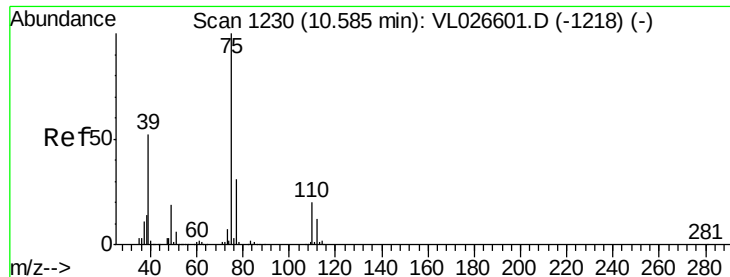
Ion Ratio Lower Upper

57 100

41 30.0 26.9 40.3

56 31.3 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 0.83 ppbv

RT: 10.63 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

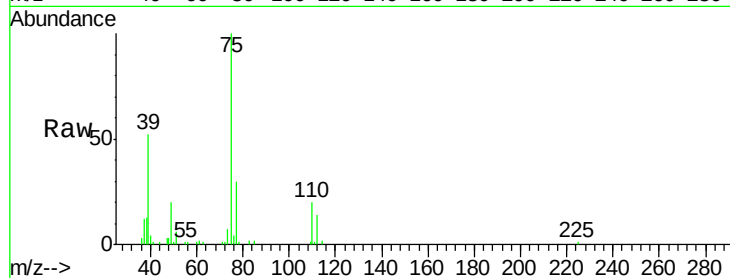
VSTDIC001

Tot Ion: 75 Resp: 157053

Ion Ratio Lower Upper

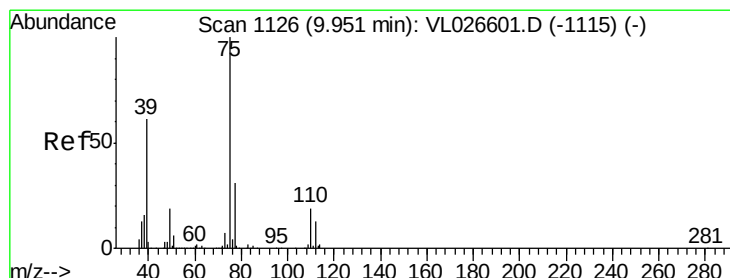
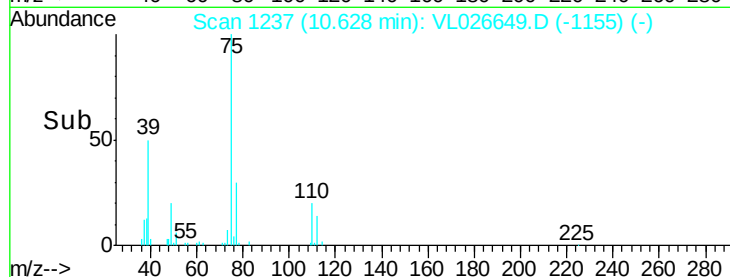
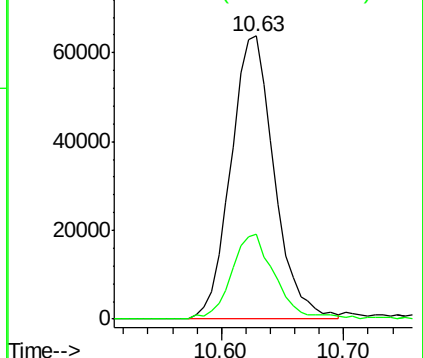
75 100

77 30.2 24.6 37.0



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: 0.91 ppbv

RT: 9.99 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

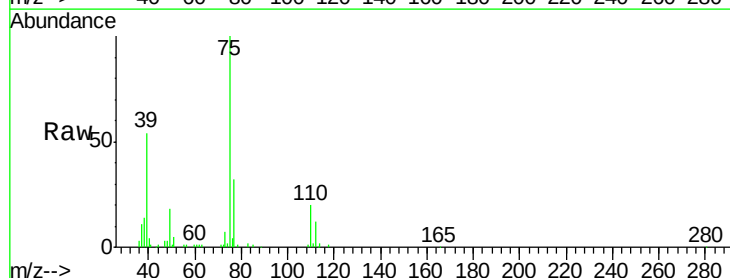
Tgt Ion: 75 Resp: 187233

Ion Ratio Lower Upper

75 100

39 53.8 51.2 76.8

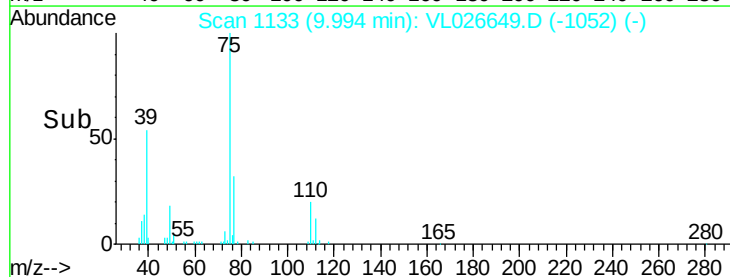
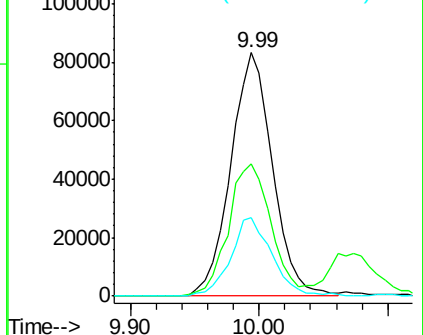
77 32.0 25.9 38.9

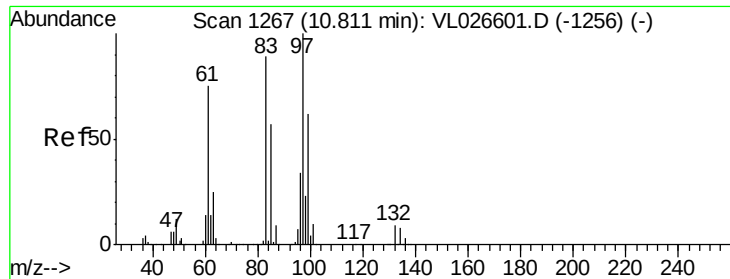


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

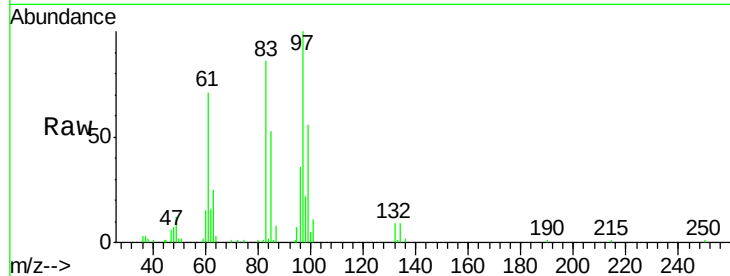




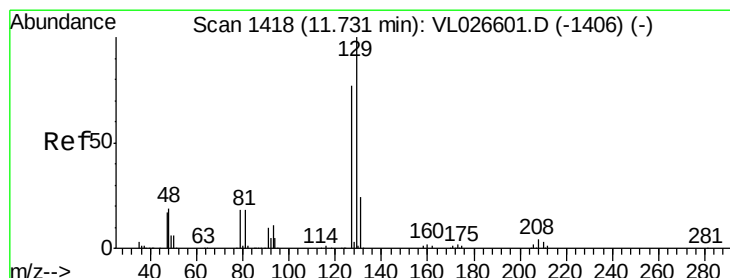
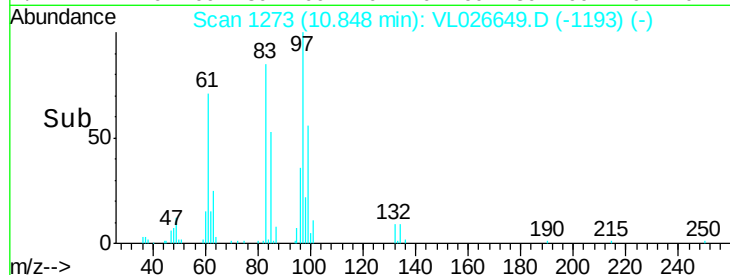
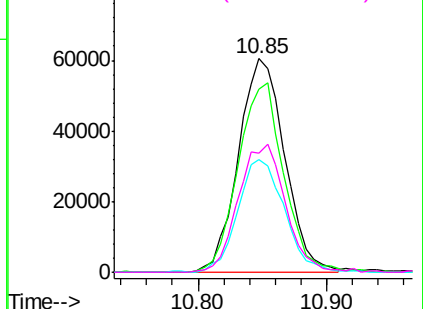
#47
 1,1,2-Trichloroethane
 Concen: 1.12 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 97 Resp: 150266
 Ion Ratio Lower Upper
 97 100
 83 85.6 69.5 104.3
 85 52.7 46.4 69.6
 99 55.9 49.9 74.9

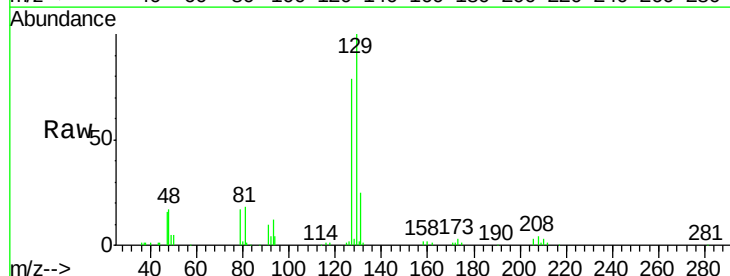


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

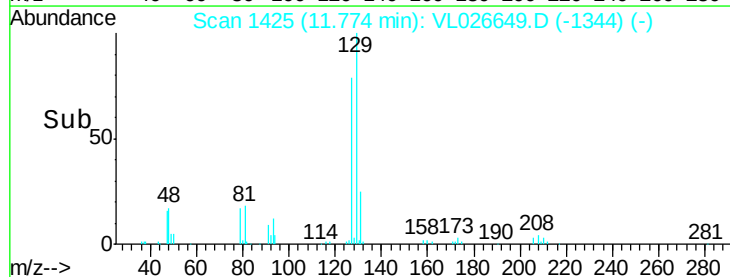
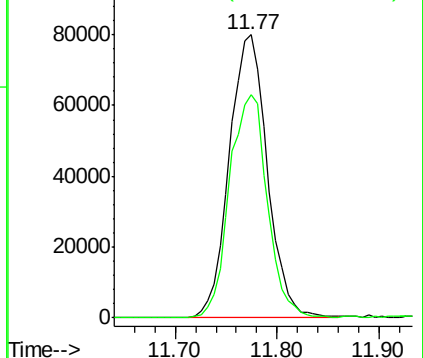


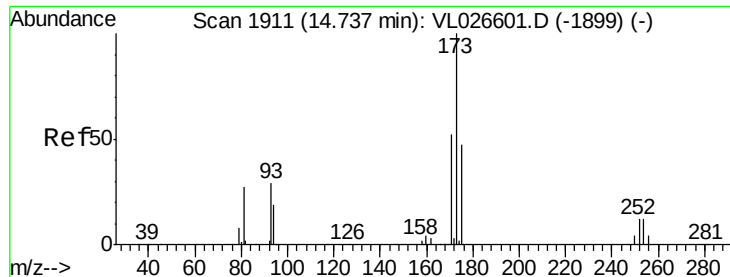
#48
 Dibromochloromethane
 Concen: 0.97 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 129 Resp: 207010
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.5 118.5



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: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

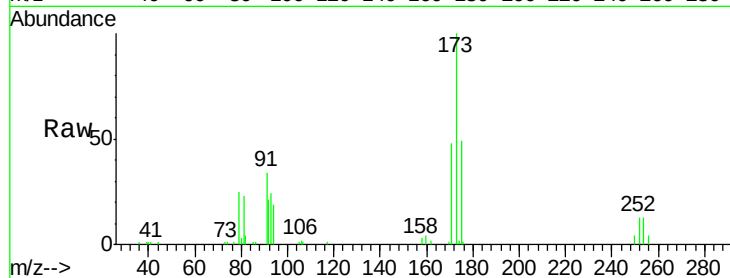
Tot Ion:173 Resp: 164779

Ion Ratio Lower Upper

173 100

175 49.0 38.6 57.8

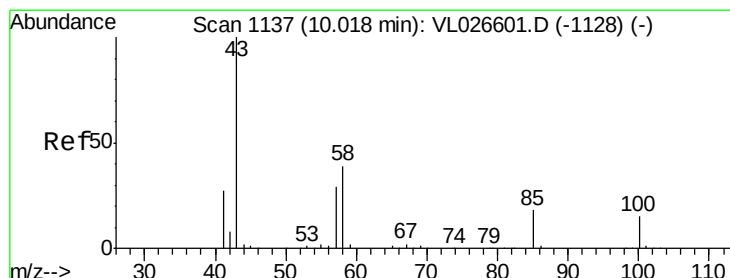
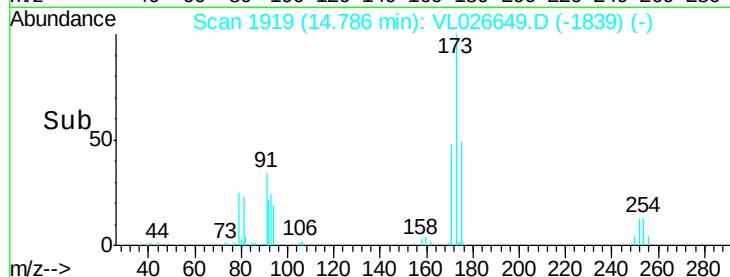
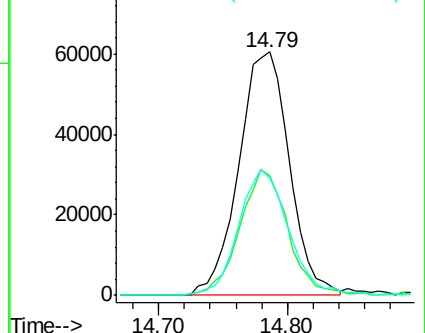
171 51.0 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.01 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026649.D

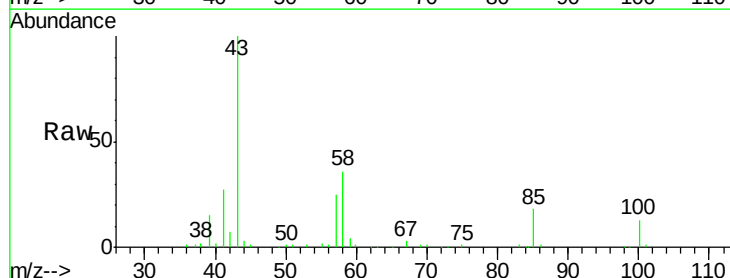
Acq: 8 Jan 2016 16:44

Tgt Ion: 43 Resp: 216171

Ion Ratio Lower Upper

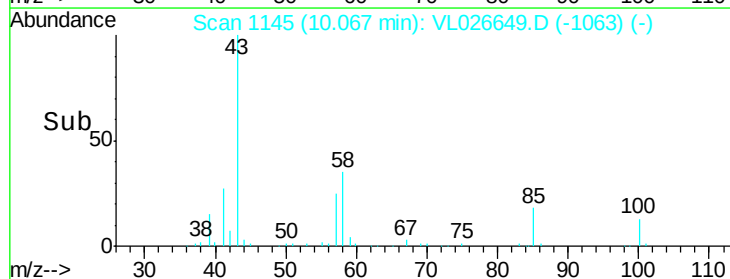
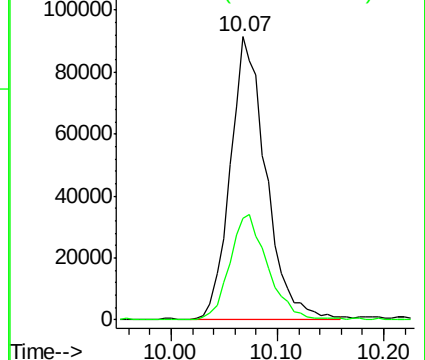
43 100

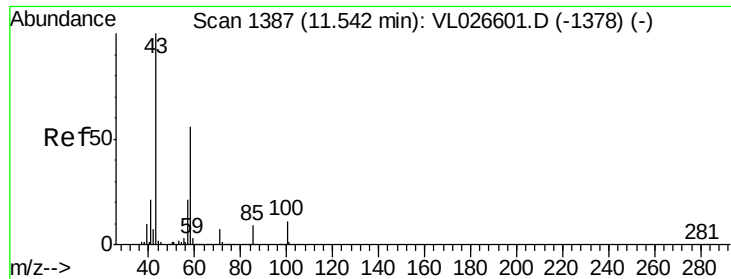
58 39.7 32.4 48.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

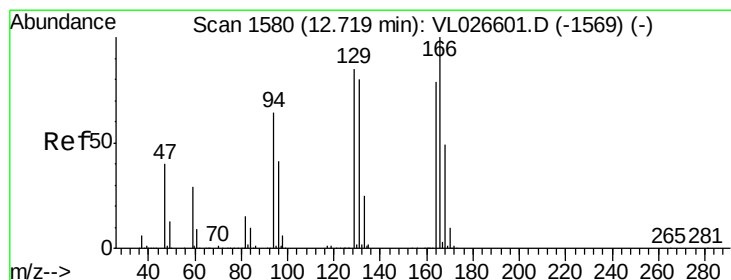
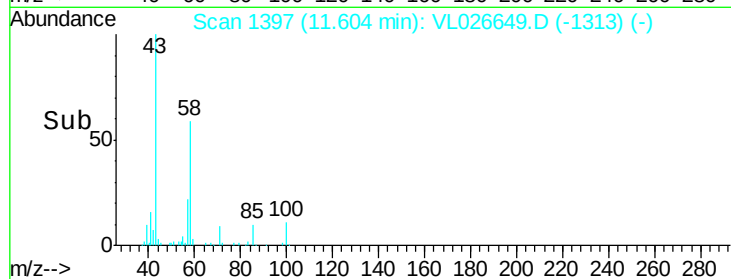
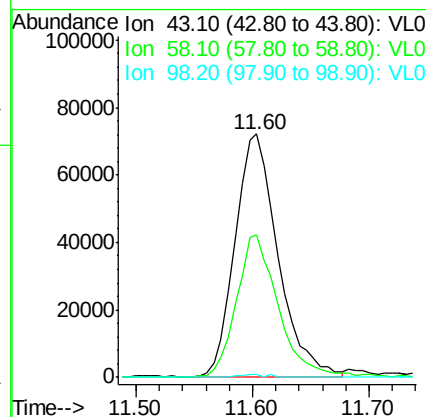
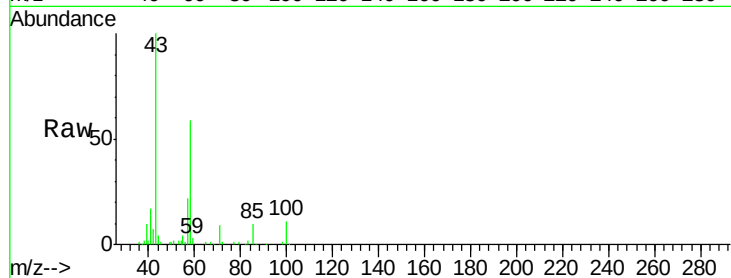




#51
 2-Hexanone
 Concen: 0.89 ppbv
 RT: 11.60 min Scan# 1397
 Delta R.T. 0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

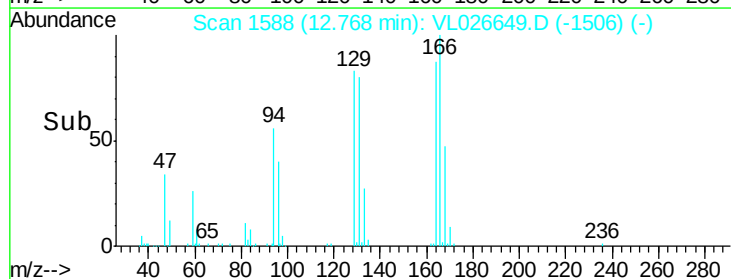
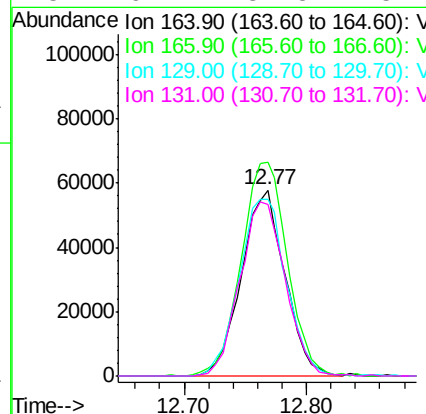
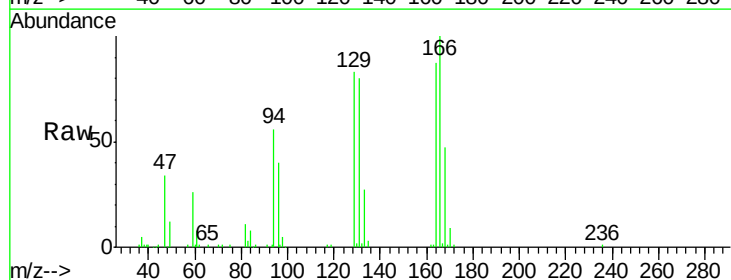
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

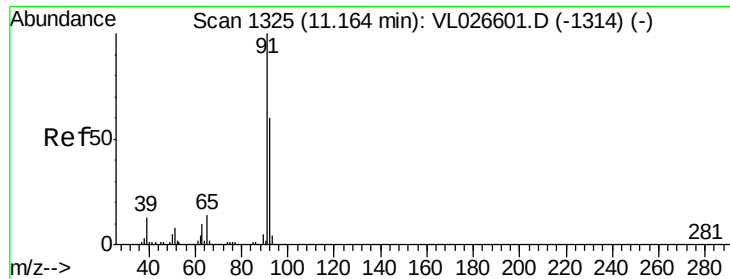
Tot Ion: 43 Resp: 185370
 Ion Ratio Lower Upper
 43 100
 58 58.0 44.9 67.3
 98 0.7 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 1.17 ppbv
 RT: 12.77 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 164 Resp: 142509
 Ion Ratio Lower Upper
 164 100
 166 114.3 102.5 153.7
 129 95.2 87.0 130.6
 131 92.2 82.5 123.7





#53

Toluene

Concen: 1.07 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

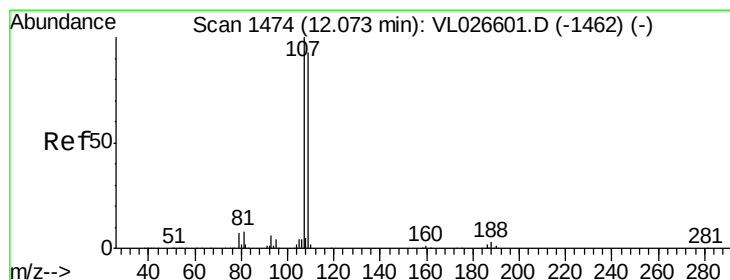
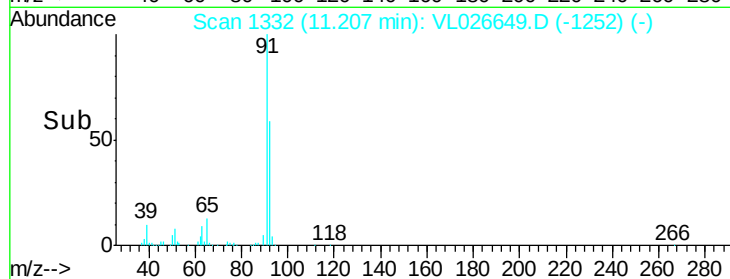
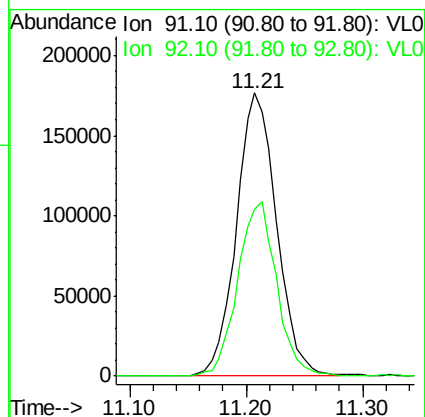
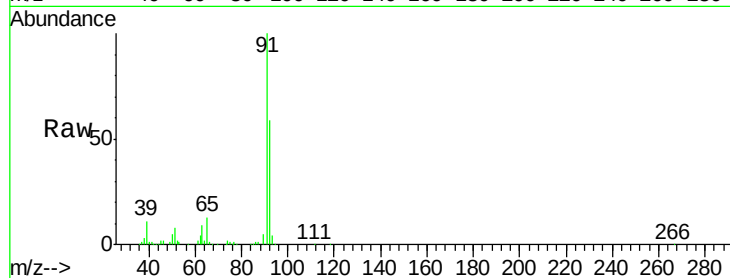
VSTDIC001

Tot Ion: 91 Resp: 424294

Ion Ratio Lower Upper

91 100

92 59.8 48.2 72.4



#54

1,2-Dibromoethane

Concen: 1.09 ppbv

RT: 12.11 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VL026649.D

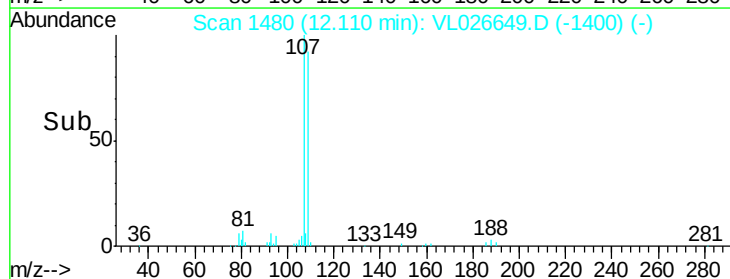
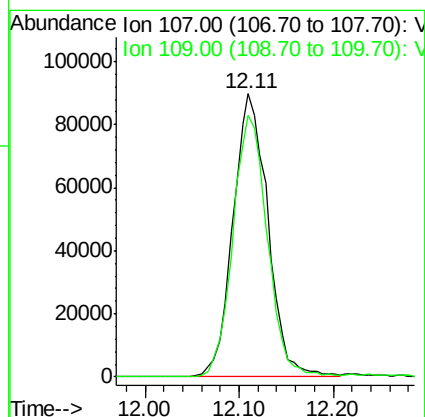
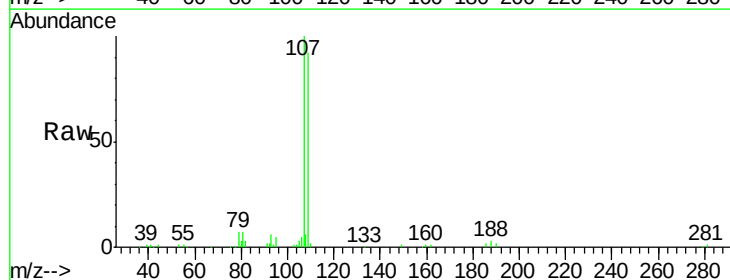
Acq: 8 Jan 2016 16:44

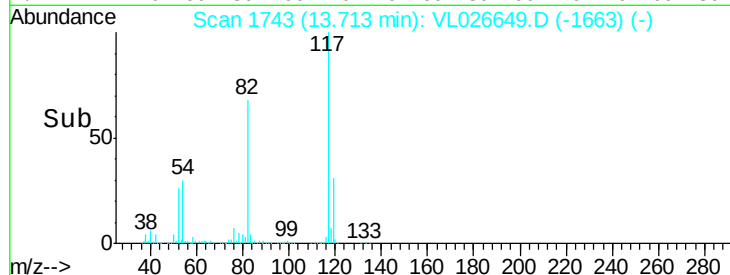
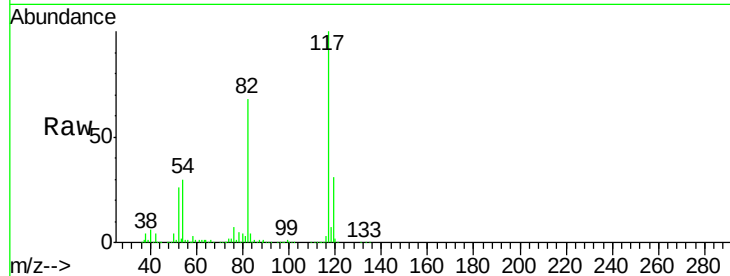
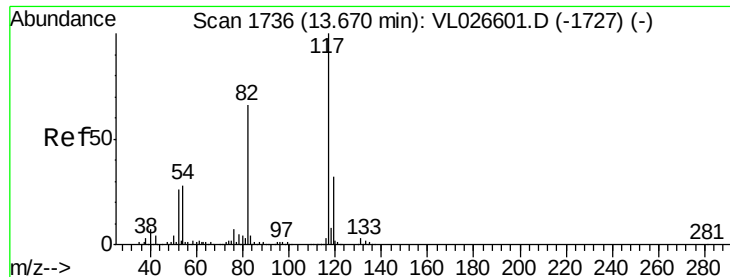
Tgt Ion: 107 Resp: 231538

Ion Ratio Lower Upper

107 100

109 92.2 74.1 111.1

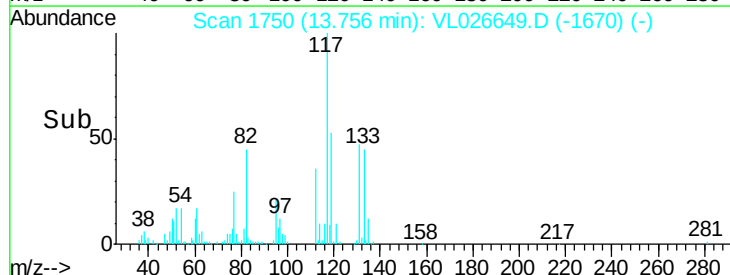
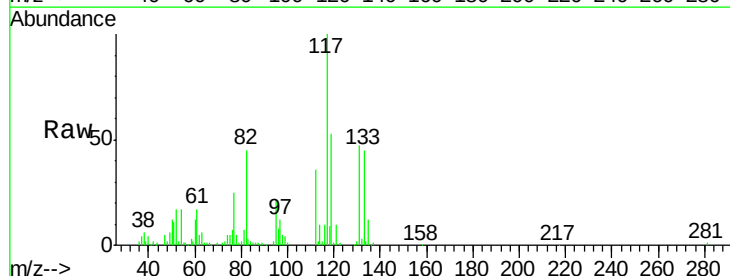
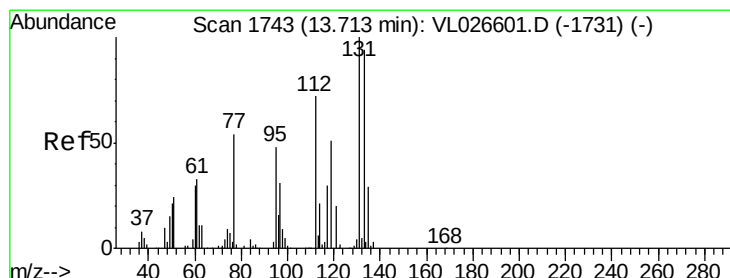
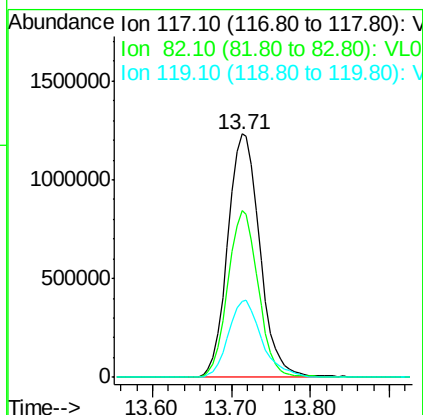




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

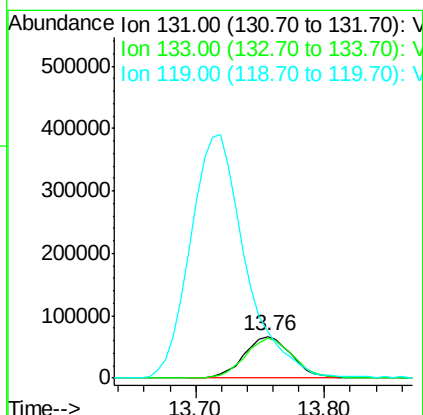
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

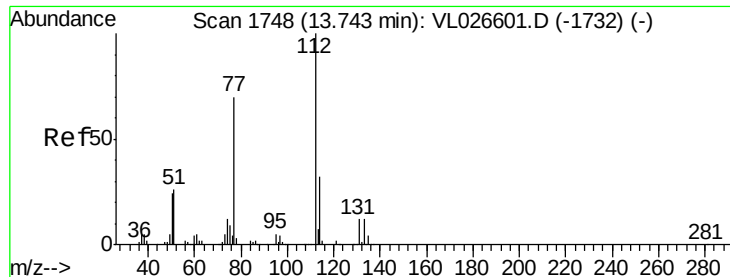
Tot Ion:117 Resp: 3495127
Ion Ratio Lower Upper
117 100
82 65.4 52.4 78.6
119 33.6 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.10 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion:131 Resp: 170290
Ion Ratio Lower Upper
131 100
133 97.3 76.2 114.4
119 688.7 104.3 156.5#





#57

Chlorobenzene

Concen: 1.23 ppbv

RT: 13.78 min Scan# 1754

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

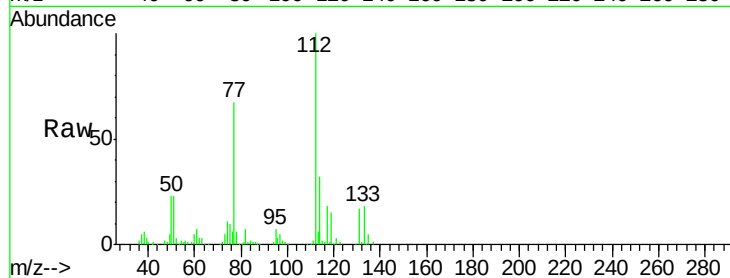
Tot Ion:112 Resp: 401934

Ion Ratio Lower Upper

112 100

77 66.0 56.9 85.3

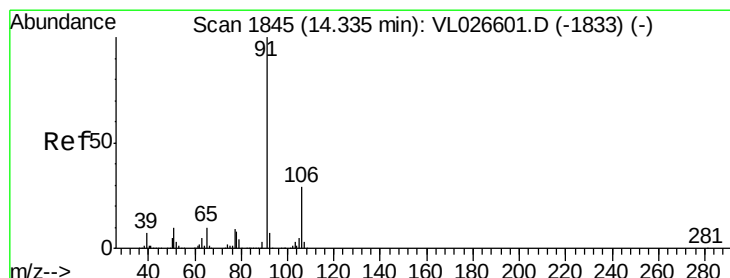
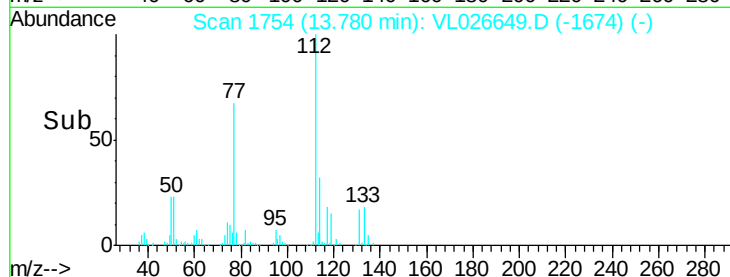
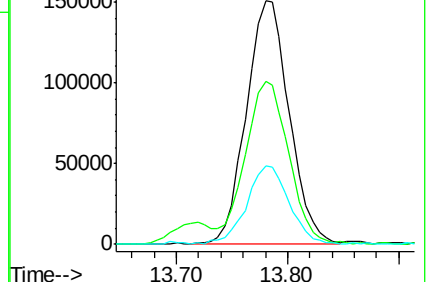
114 32.2 28.8 35.2



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 1.08 ppbv

RT: 14.38 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL026649.D

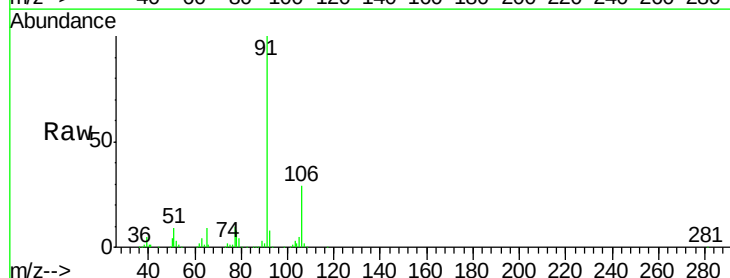
Acq: 8 Jan 2016 16:44

Tgt Ion: 91 Resp: 675464

Ion Ratio Lower Upper

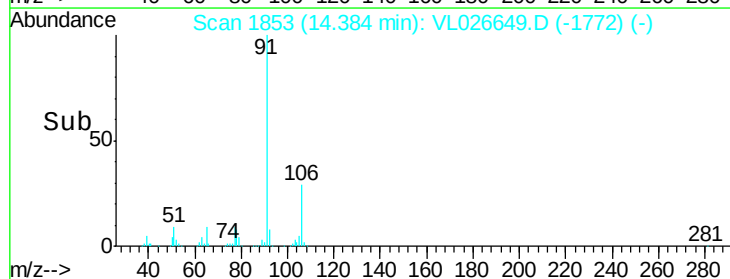
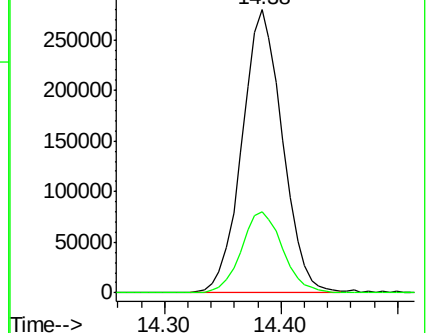
91 100

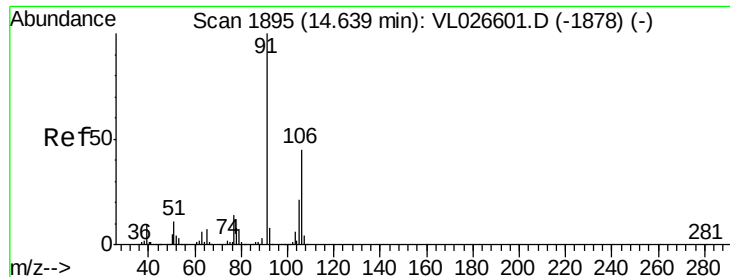
106 28.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

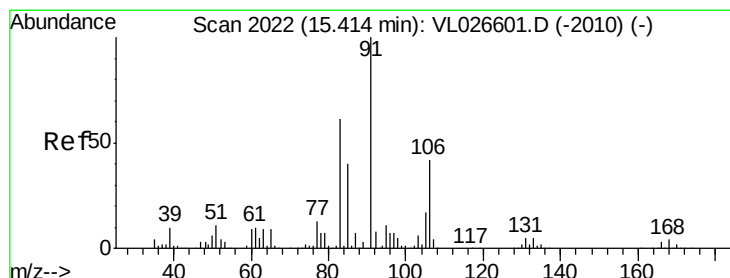
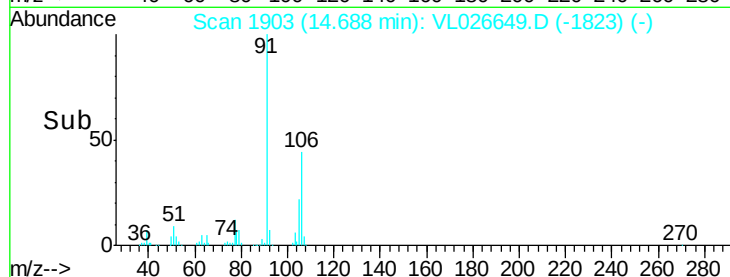
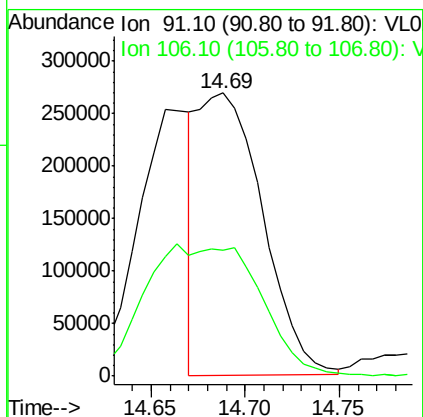
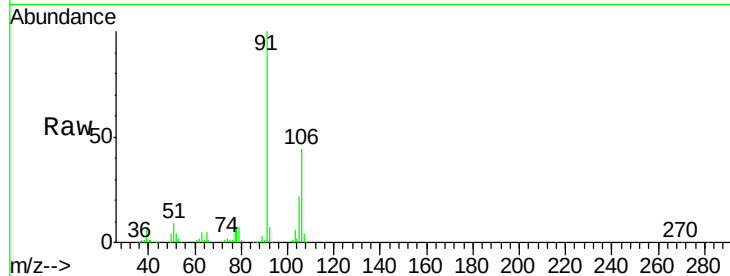




#59
m/p-Xylene
Concen: 1.32 ppbv
RT: 14.69 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

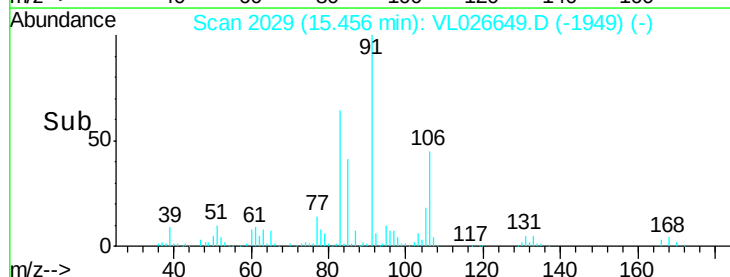
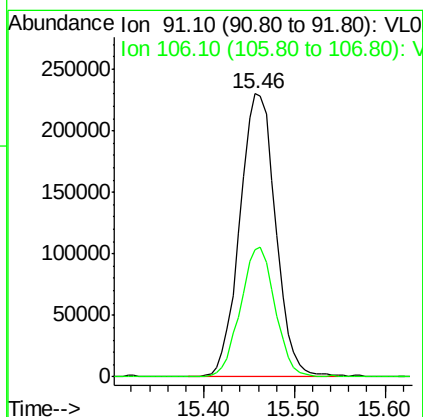
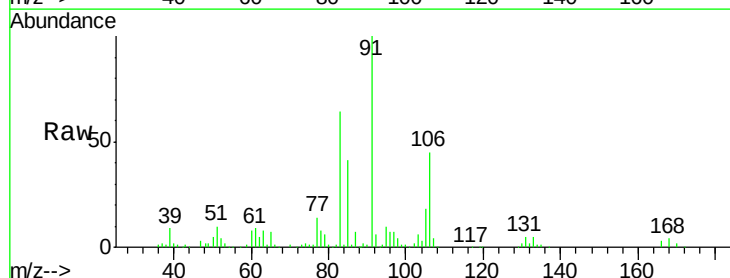
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

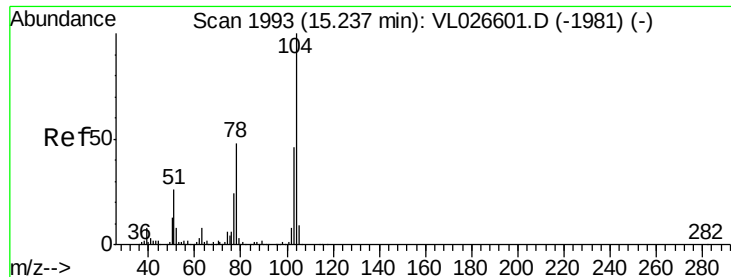
Tot Ion: 91 Resp: 638265
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#



#60
o-Xylene
Concen: 1.26 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026649.D
Acq: 8 Jan 2016 16:44

Tgt Ion: 91 Resp: 630131
Ion Ratio Lower Upper
91 100
106 44.5 21.4 64.3





#61

Stvrene

Concen: 0.91 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

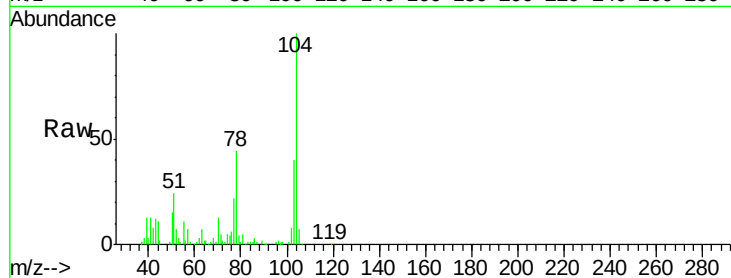
Tot Ion:104 Resp: 216747

Ion Ratio Lower Upper

104 100

78 47.1 39.5 59.3

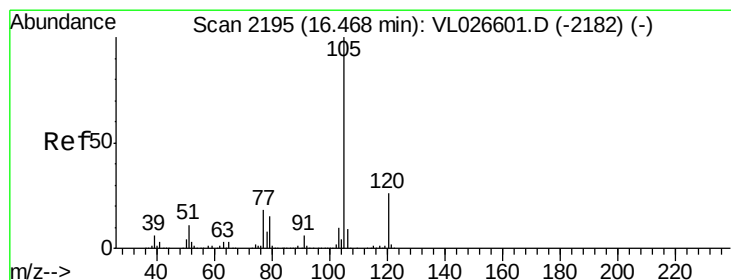
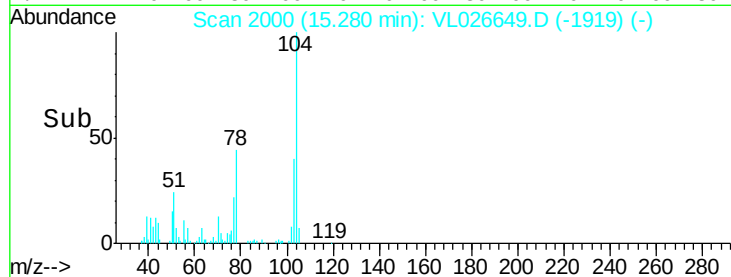
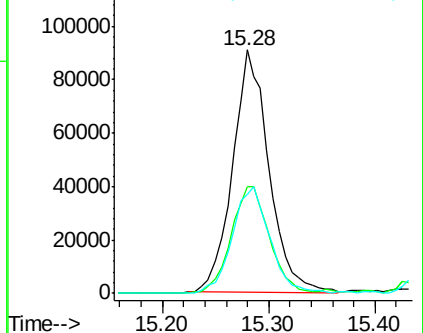
103 46.1 37.8 56.6



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: 1.15 ppbv

RT: 16.51 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL026649.D

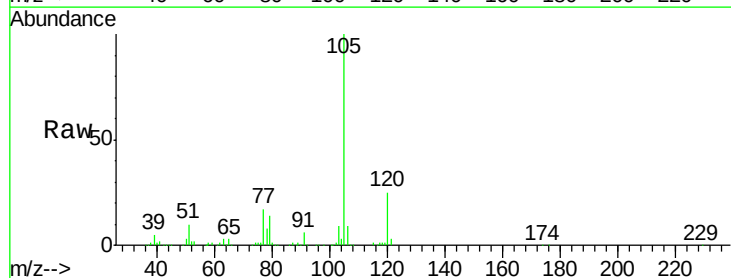
Acq: 8 Jan 2016 16:44

Tgt Ion:105 Resp: 805499

Ion Ratio Lower Upper

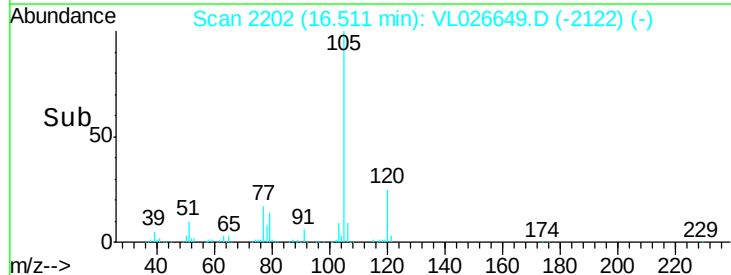
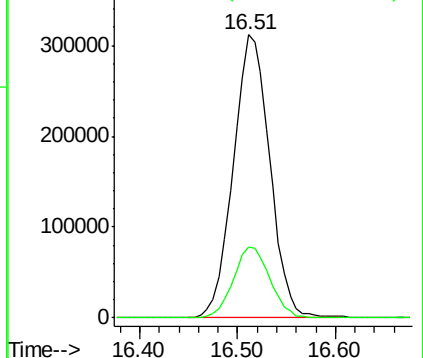
105 100

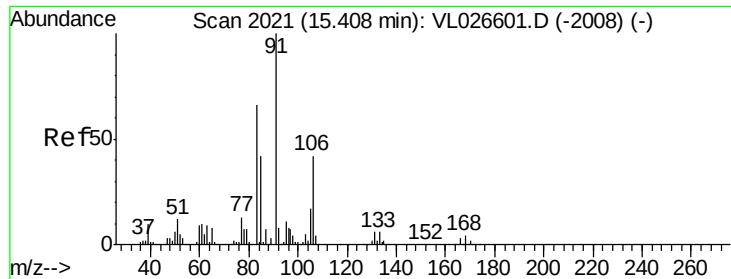
120 25.1 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 1.34 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

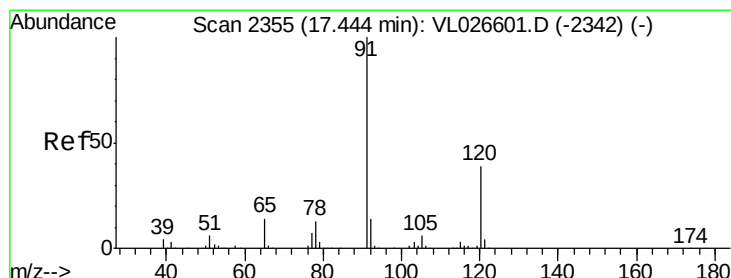
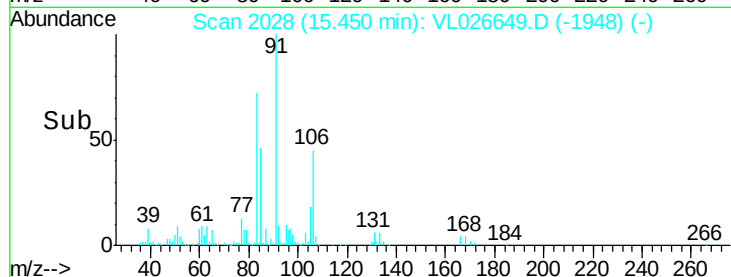
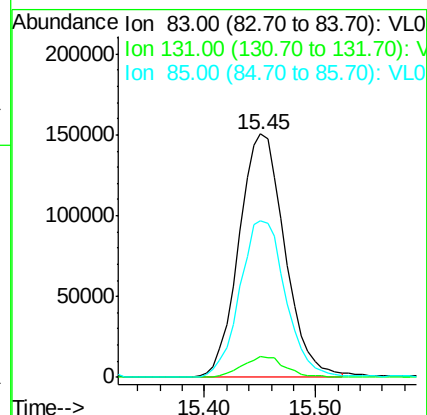
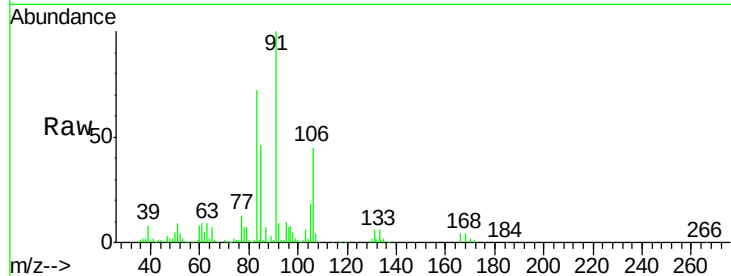
Tot Ion: 83 Resp: 430167

Ion Ratio Lower Upper

83 100

131 8.1 4.5 13.4

85 65.5 32.6 97.7



#64

n-propylbenzene

Concen: 1.18 ppbv

RT: 17.49 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VL026649.D

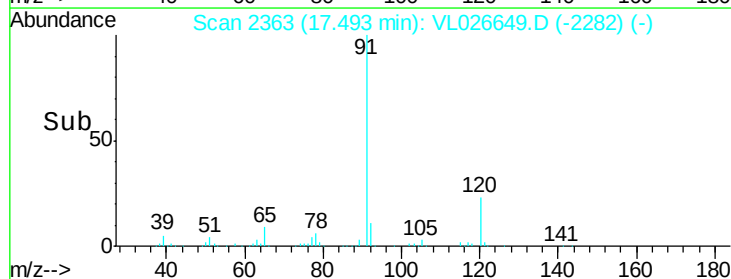
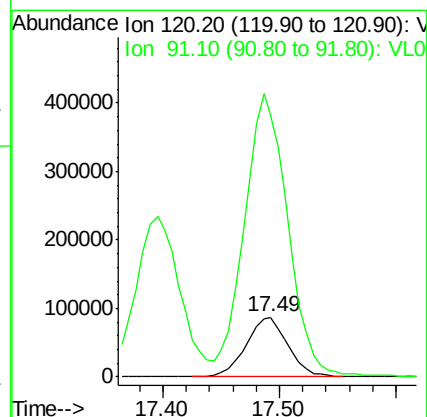
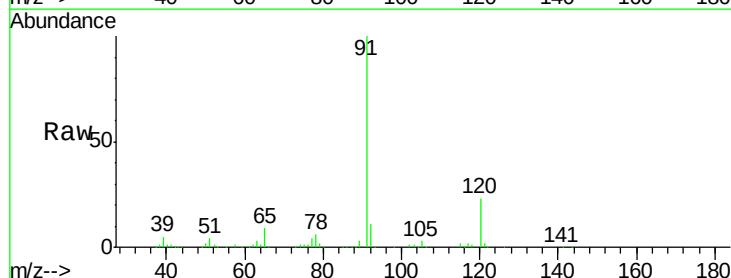
Acq: 8 Jan 2016 16:44

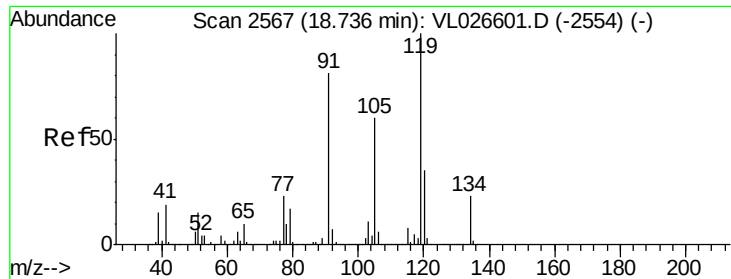
Tgt Ion: 120 Resp: 218254

Ion Ratio Lower Upper

120 100

91 490.3 380.9 571.3

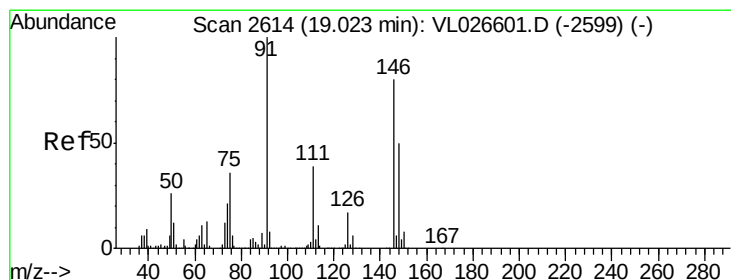
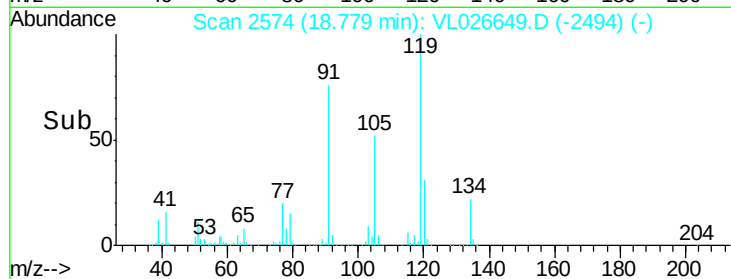
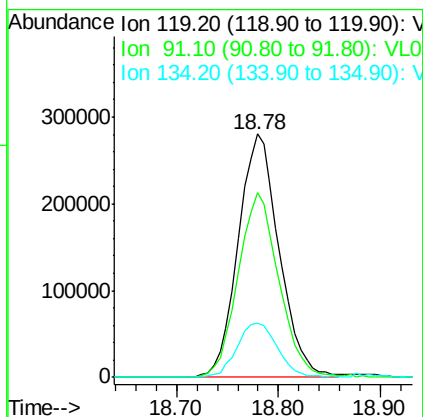
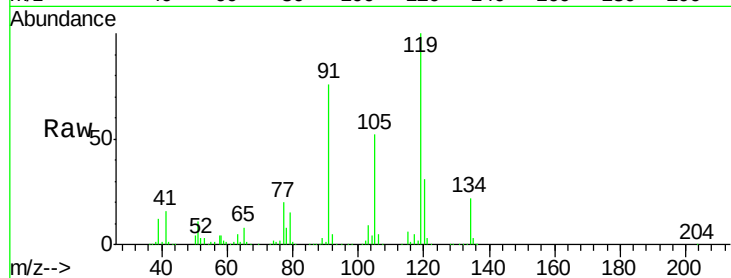




#65
 tert-Butylbenzene
 Concen: 1.35 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

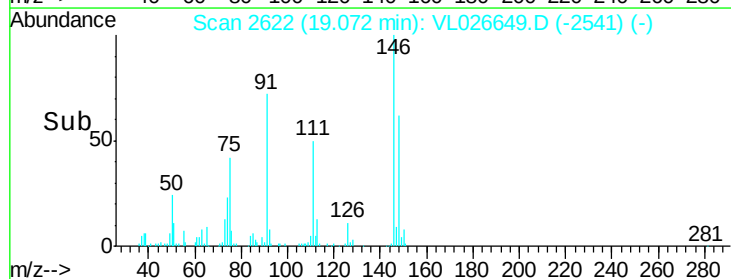
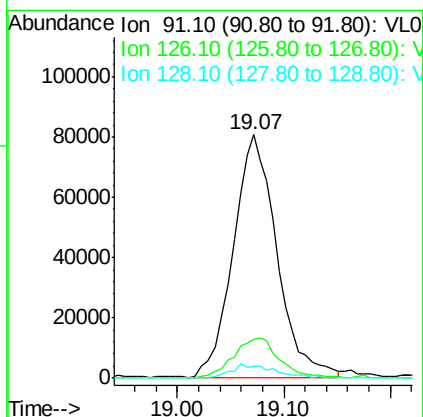
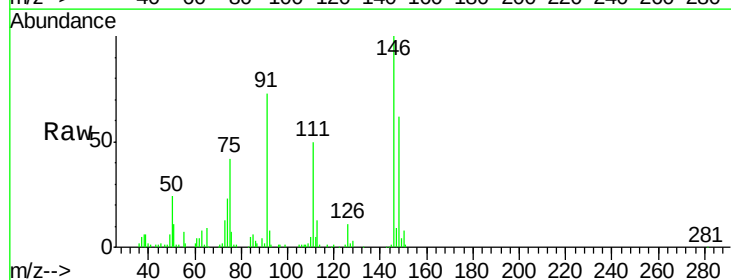
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

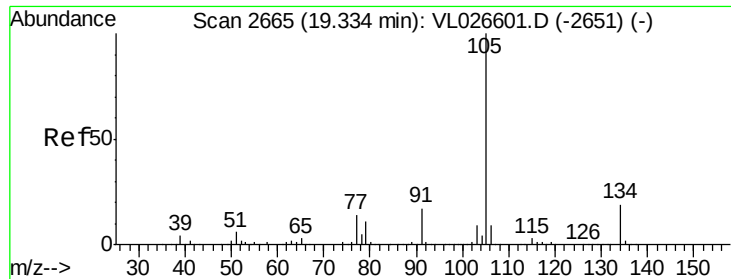
Tot Ion:119 Resp: 781971
 Ion Ratio Lower Upper
 119 100
 91 76.5 64.8 97.2
 134 22.2 17.4 26.0



#66
 Benzyl Chloride
 Concen: 0.86 ppbv
 RT: 19.07 min Scan# 2622
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 91 Resp: 232765
 Ion Ratio Lower Upper
 91 100
 126 17.5 14.2 21.2
 128 5.6 4.5 6.7





#67

sec-Butylbenzene

Concen: 1.27 ppbv

RT: 19.38 min Scan# 2672

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

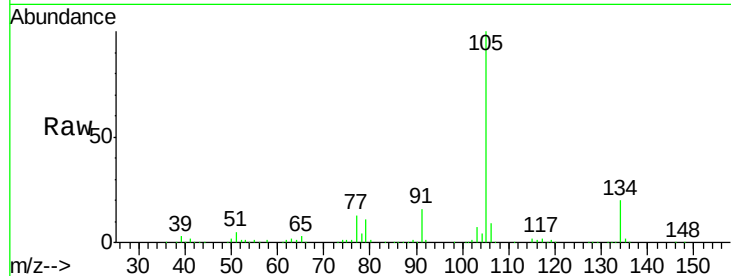
VSTDIC001

Tot Ion:105 Resp: 1143613

Ion Ratio Lower Upper

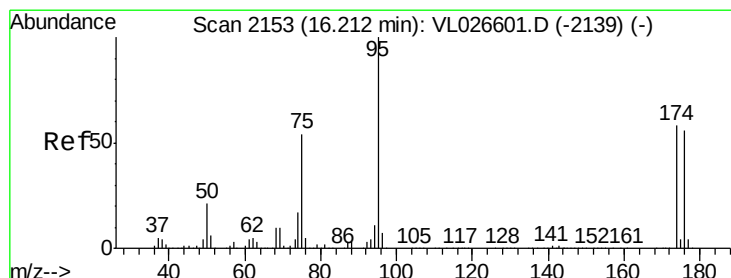
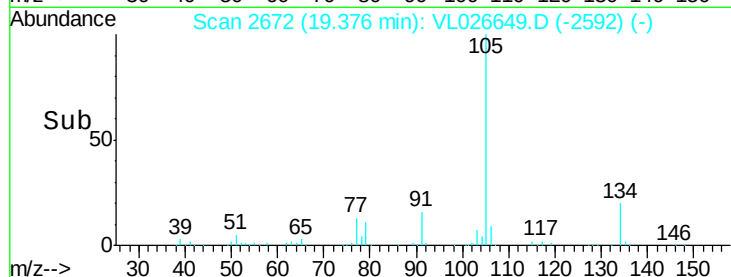
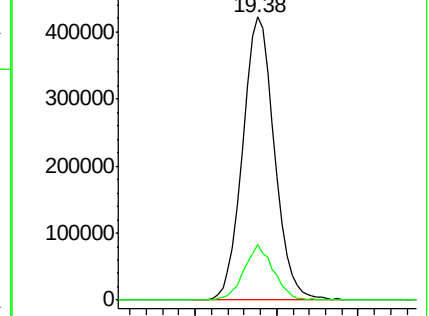
105 100

134 18.2 14.9 22.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.90 ppbv

RT: 16.26 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

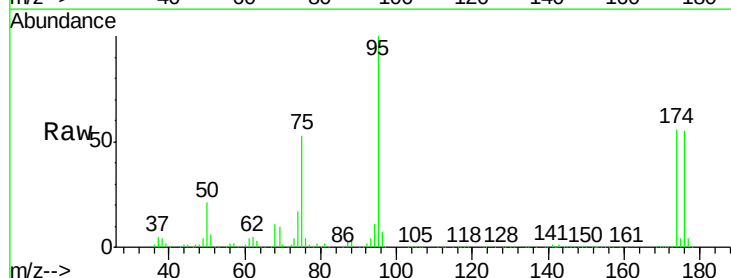
Tgt Ion: 95 Resp: 2789647

Ion Ratio Lower Upper

95 100

174 59.8 47.8 71.6

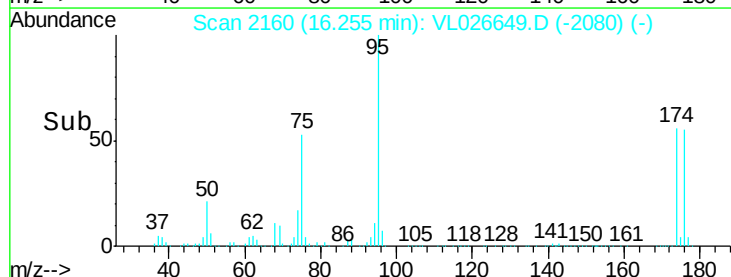
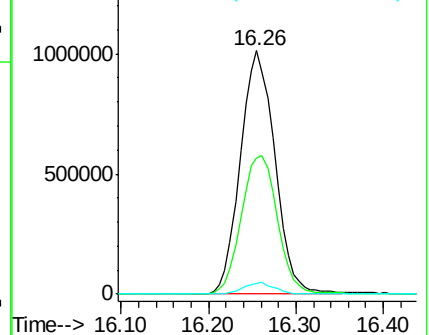
175 4.3 3.5 5.3

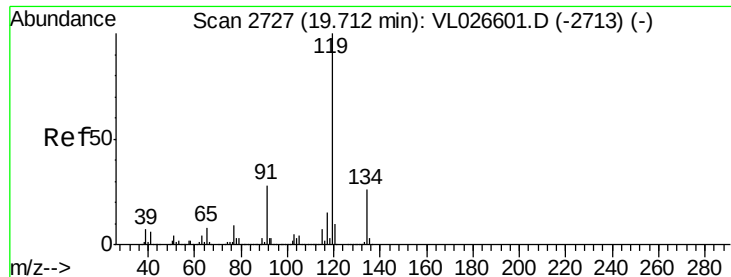


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

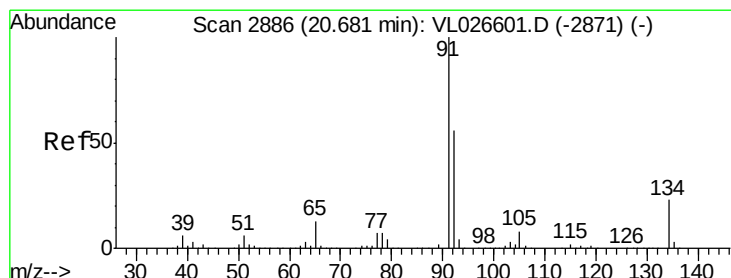
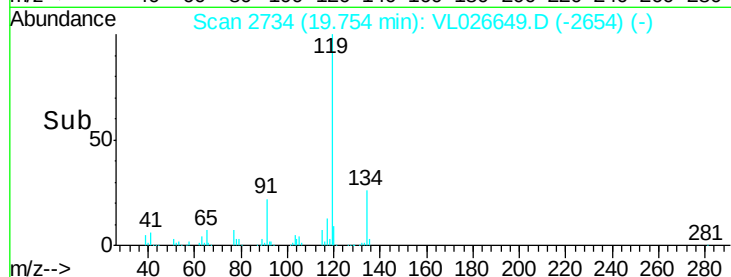
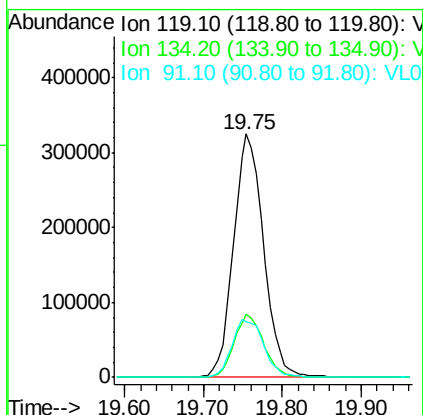
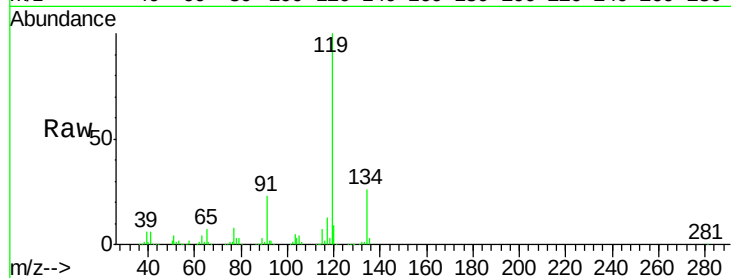




#69
 p-Isopropyltoluene
 Concen: 1.21 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

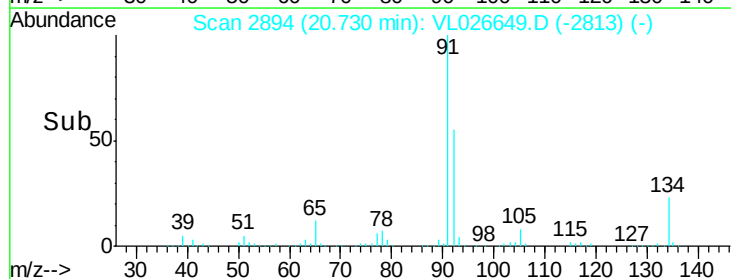
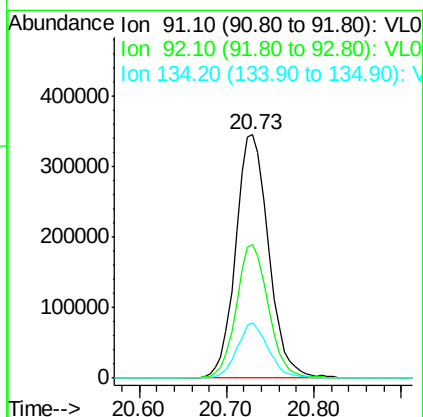
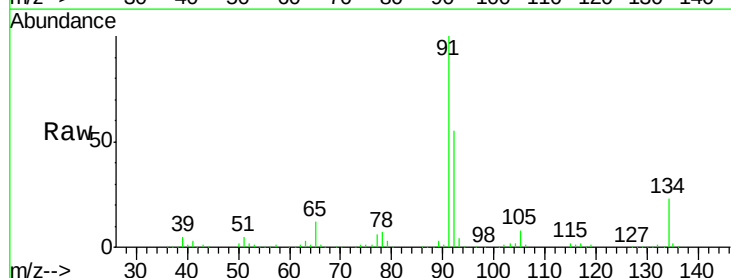
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

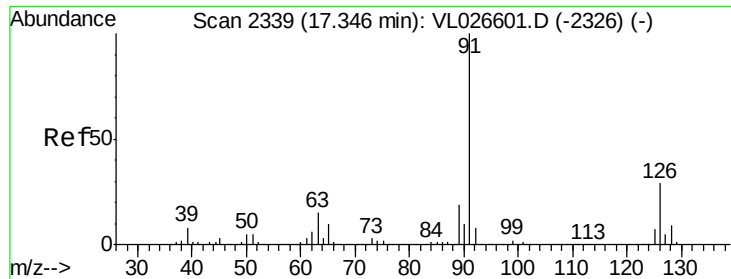
Tot Ion:119 Resp: 862113
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.6 31.0
 91 25.2 21.8 32.6



#70
 n-Butylbenzene
 Concen: 1.21 ppbv
 RT: 20.73 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 91 Resp: 907395
 Ion Ratio Lower Upper
 91 100
 92 53.8 45.0 67.6
 134 21.7 18.2 27.2

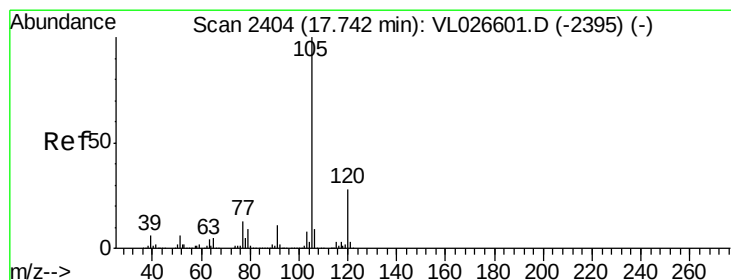
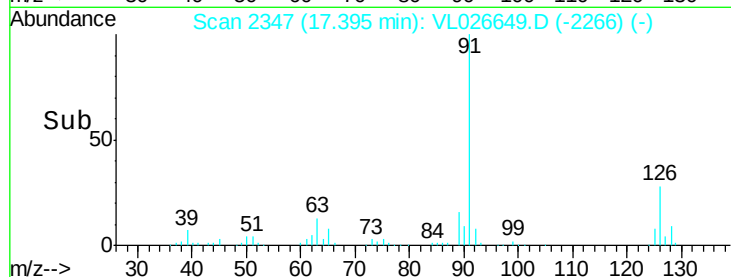
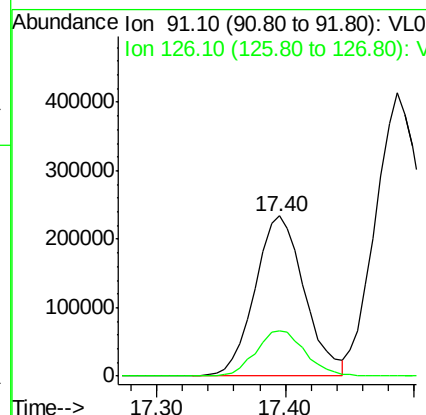
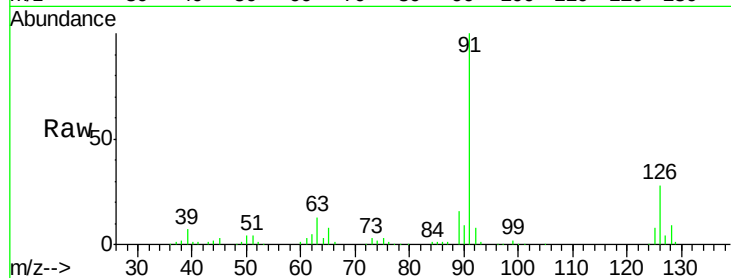




#71
 2-Chlorotoluene
 Concen: 1.10 ppbv
 RT: 17.40 min Scan# 2347
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

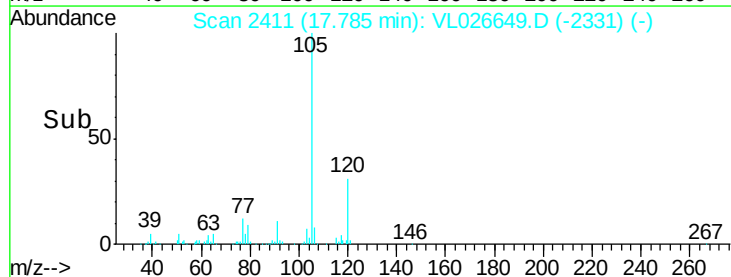
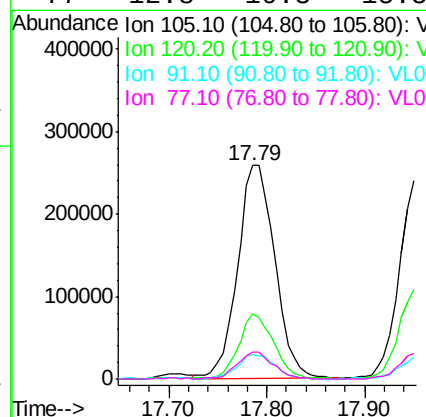
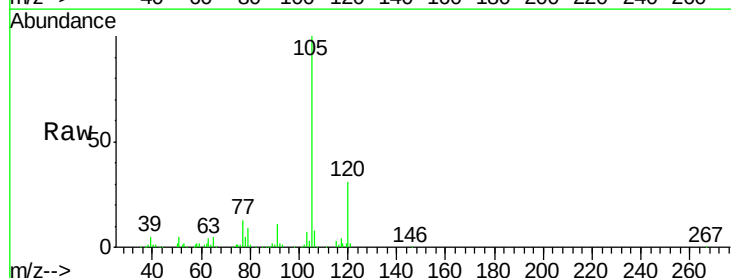
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

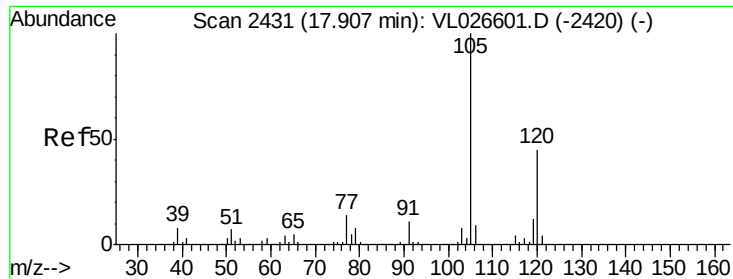
Tot Ion: 91 Resp: 623191
 Ion Ratio Lower Upper
 91 100
 126 28.8 11.4 45.8



#72
 4-Ethyltoluene
 Concen: 1.12 ppbv
 RT: 17.79 min Scan# 2411
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion: 105 Resp: 682198
 Ion Ratio Lower Upper
 105 100
 120 30.1 23.8 35.6
 91 10.9 9.5 14.3
 77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 1.15 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

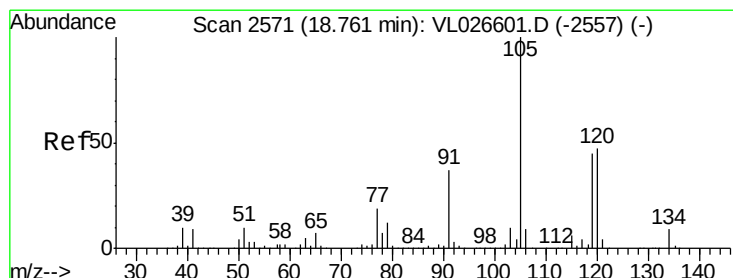
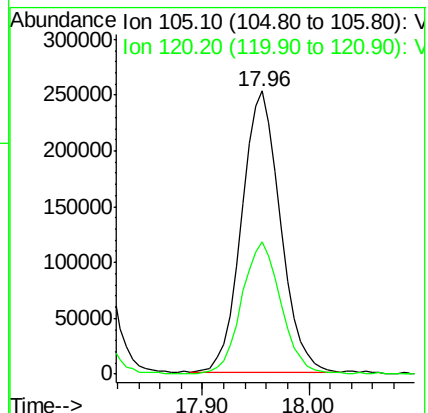
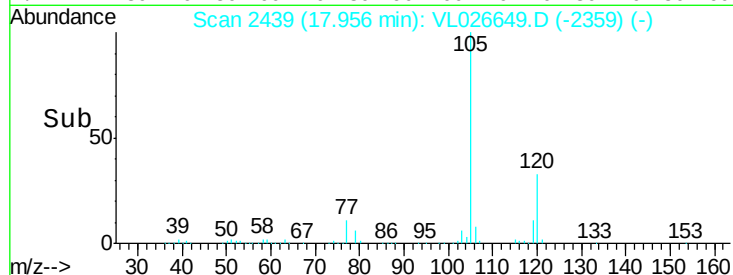
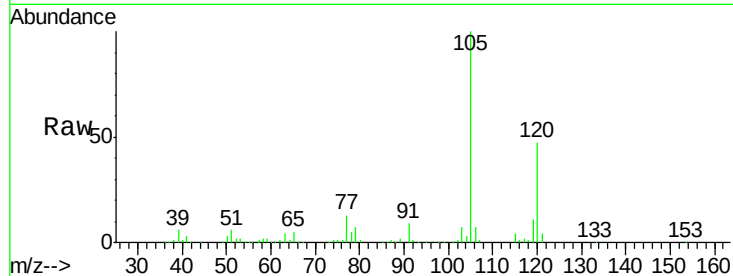
VSTDIC001

Tot Ion:105 Resp: 645453

Ion Ratio Lower Upper

105 100

120 46.6 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 1.36 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.02 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Tgt Ion:105 Resp: 740833

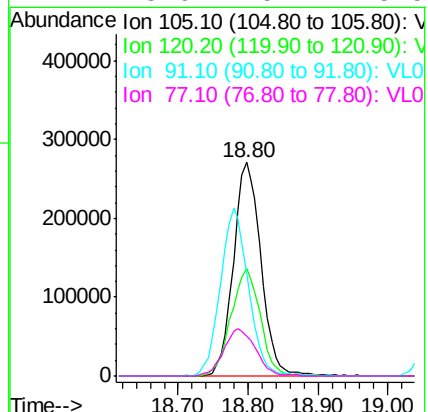
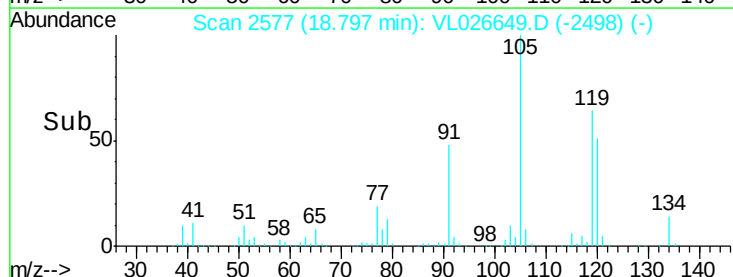
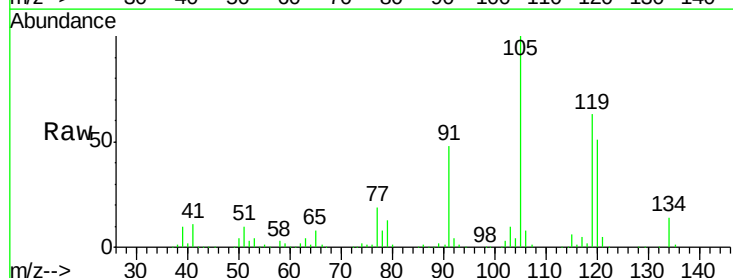
Ion Ratio Lower Upper

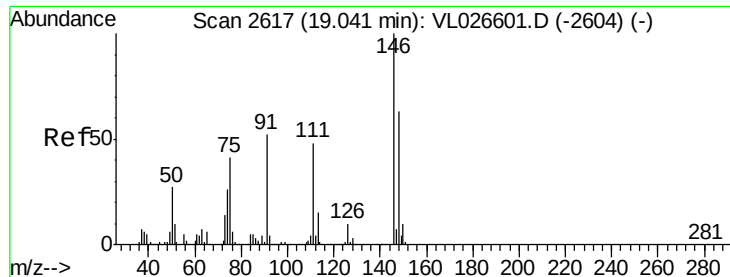
105 100

120 50.4 36.6 55.0

91 47.9 32.5 48.7

77 18.6 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 1.29 ppbv

RT: 19.09 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

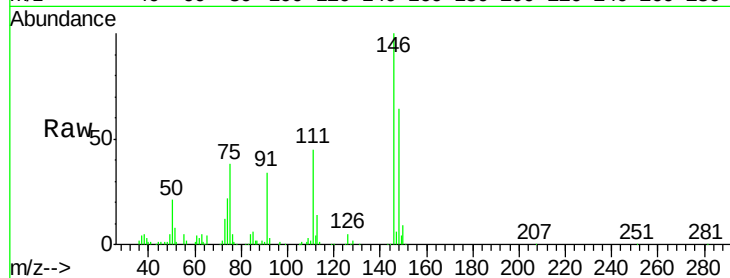
Tot Ion:146 Resp: 438522

Ion Ratio Lower Upper

146 100

111 45.3 22.9 68.5

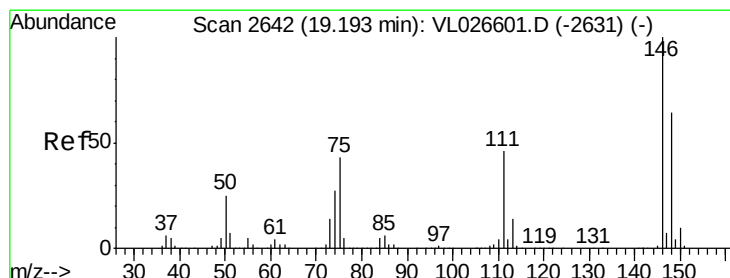
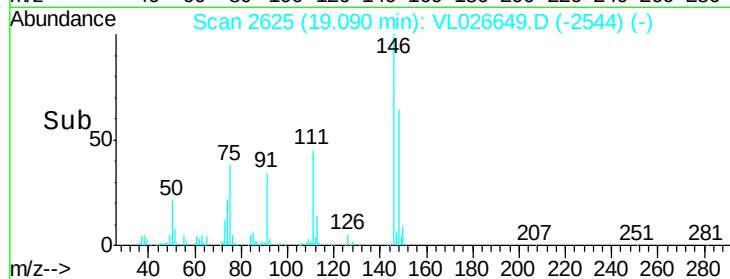
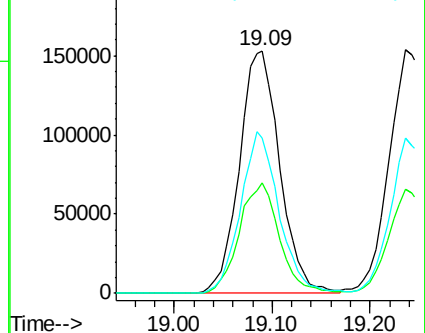
148 63.7 31.6 95.0



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: 1.24 ppbv

RT: 19.24 min Scan# 2649

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

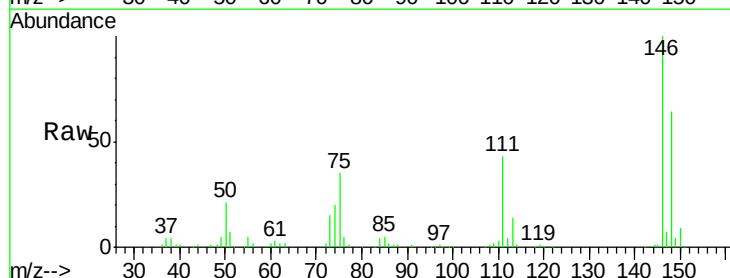
Tgt Ion:146 Resp: 442366

Ion Ratio Lower Upper

146 100

111 44.0 22.3 66.8

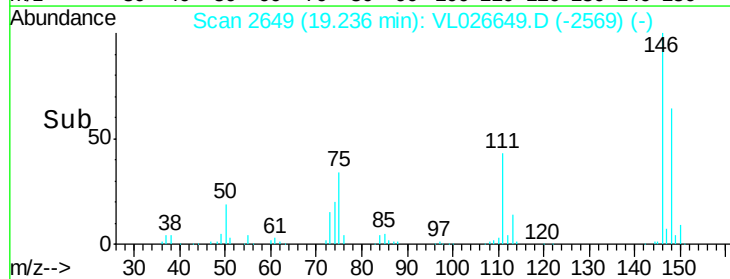
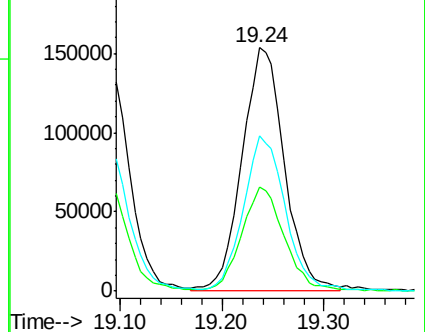
148 64.5 31.9 95.9

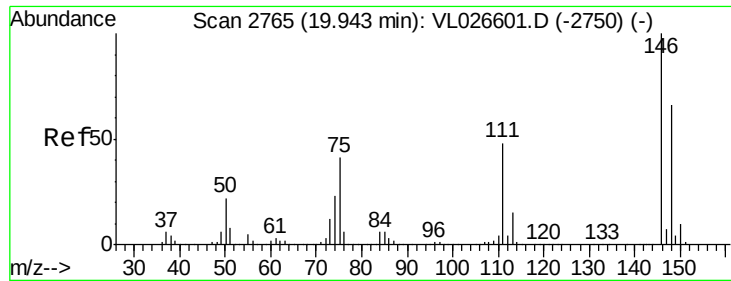


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

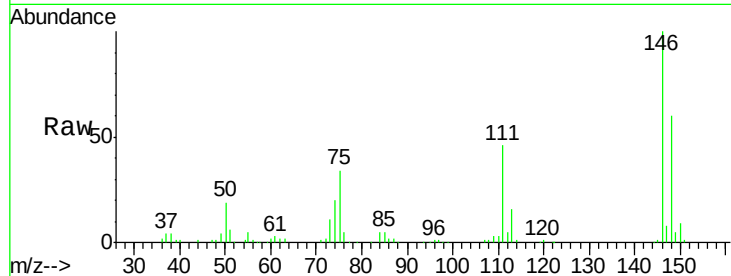




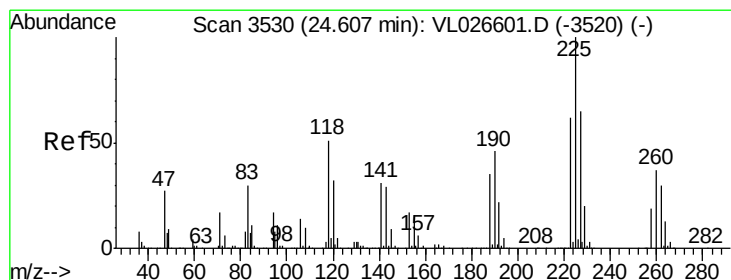
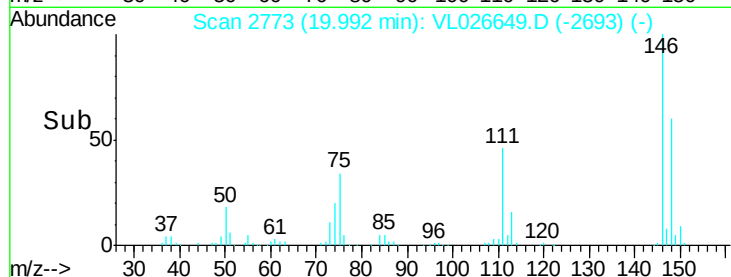
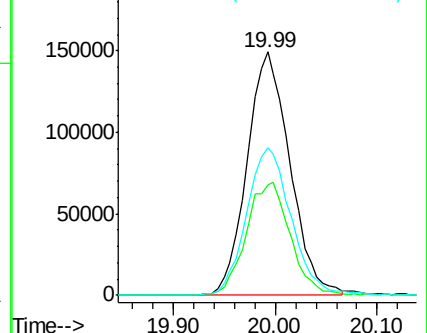
#77
 1,2-Dichlorobenzene
 Concen: 1.23 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:146 Resp: 435770
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.7 71.1
 148 63.5 31.1 93.5

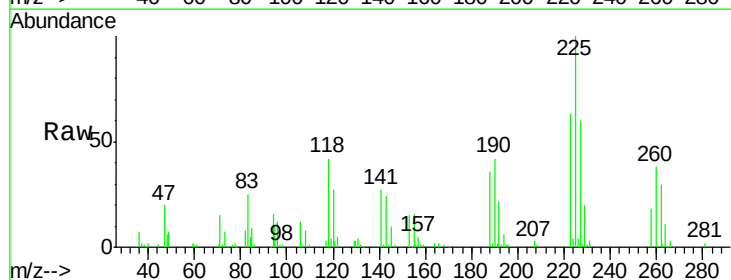


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

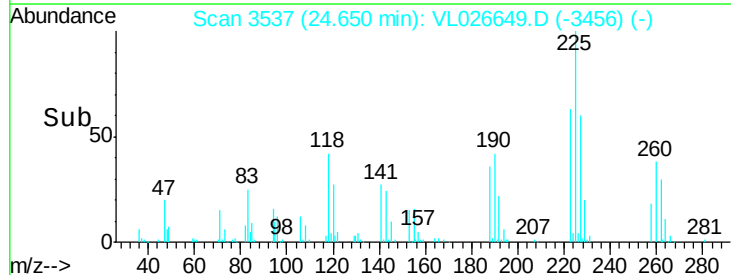
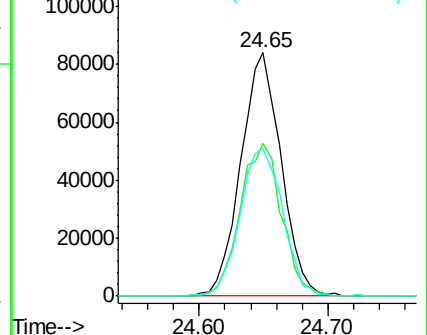


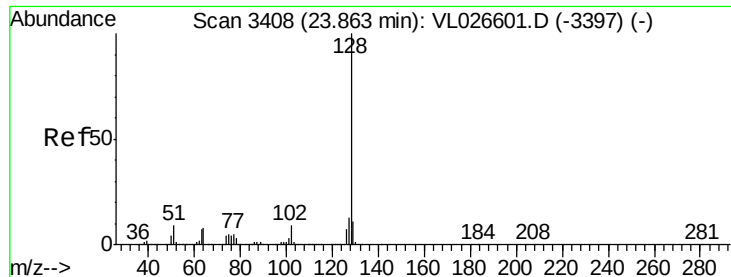
#78
 Hexachloro-1,3-Butadiene
 Concen: 1.28 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: VL026649.D
 Acq: 8 Jan 2016 16:44

Tgt Ion:225 Resp: 182068
 Ion Ratio Lower Upper
 225 100
 223 64.7 50.0 75.0
 227 64.3 51.1 76.7



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: 1.06 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

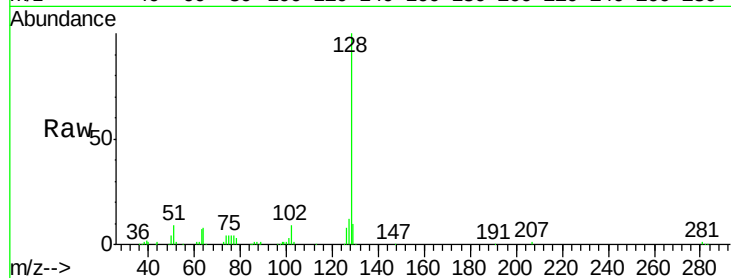
Tot Ion:128 Resp: 453042

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.8

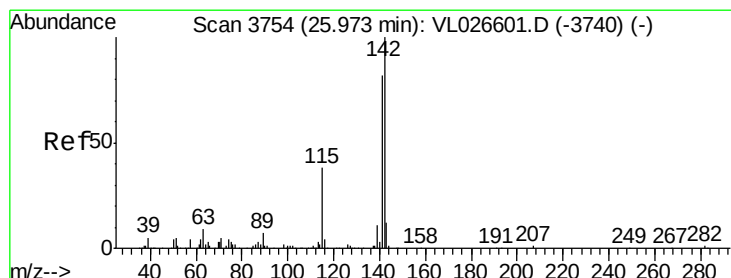
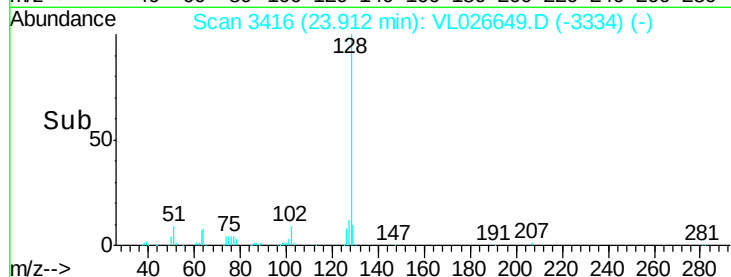
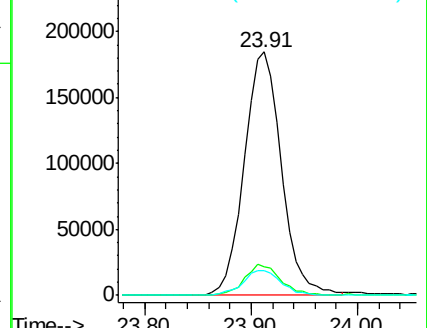
129 10.4 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.44 ppbv

RT: 26.02 min Scan# 3762

Delta R.T. -0.01 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

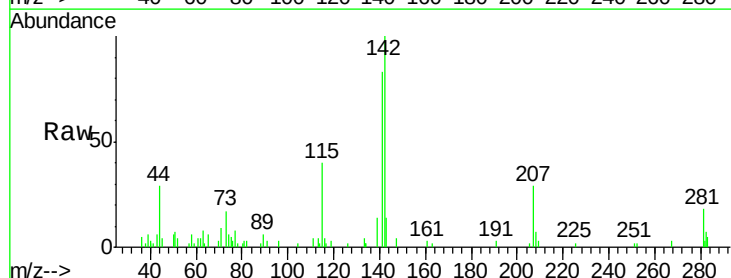
Tgt Ion:142 Resp: 47956

Ion Ratio Lower Upper

142 100

141 84.8 66.8 100.2

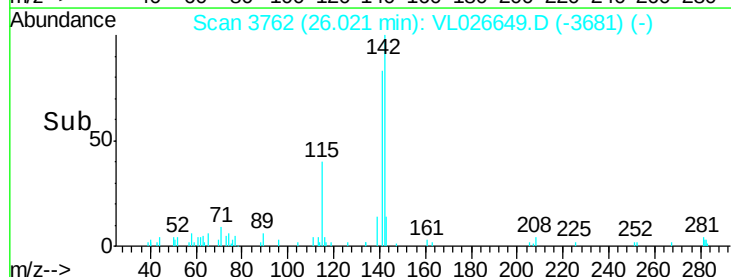
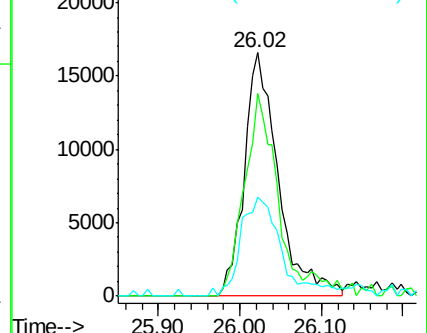
115 52.0 24.7 37.1#

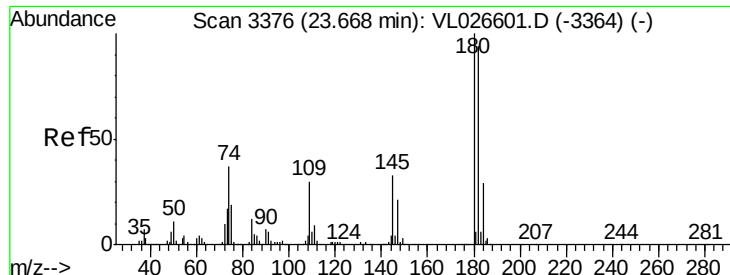


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 1.16 ppbv

RT: 23.71 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VL026649.D

Acq: 8 Jan 2016 16:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

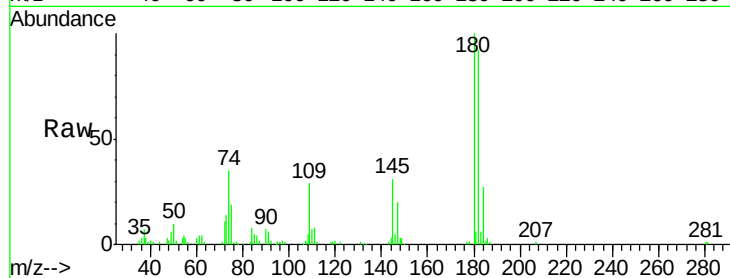
Tot Ion:180 Resp: 213571

Ion Ratio Lower Upper

180 100

182 94.5 75.5 113.3

184 29.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

