

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
 Data File : VL025624.D
 Acq On : 8 Jul 2015 1:56
 Operator : SY/MD
 Sample : G2872-02DL2 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

Quant Time: Jul 08 06:57:41 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	634186	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.33	114	1675434	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.75	117	2039076	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	1701831	9.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.64	85	318	0.00	ppbv #	42
3) Chlorodifluoromethane	3.64	51	153	0.00	ppbv #	51
4) Chloromethane	3.75	50	262	0.01	ppbv #	42
5) Vinyl Chloride	3.90	62	2393	0.05	ppbv	95
7) Chloroethane	3.89	64	718	0.04	ppbv #	45
8) Dichlorotetrafluoroethane	3.64	85	318	0.00	ppbv #	17
9) Propene	3.59	41	1716	0.06	ppbv #	17
13) Ethanol	4.37	45	636	0.14	ppbv #	35
15) Acetone	4.61	43	11705	0.10	ppbv #	54
16) 1,3-Butadiene	3.95	39	14445	0.32	ppbv #	16
17) tert-Butyl alcohol	5.18	59	27447	0.29	ppbv #	93
18) 1,1-Dichloroethene	5.09	96	8397	0.18	ppbv	91
19) Isopropyl Alcohol	4.81	45	419	0.01	ppbv #	1
20) Methylene Chloride	5.15	84	2379	0.05	ppbv #	92
21) Allyl Chloride	5.25	41	988	0.01	ppbv #	6
22) trans-1,2-Dichloroethene	5.78	96	687	0.01	ppbv #	38
23) Vinyl Acetate	6.01	43	15675	0.09	ppbv #	62
24) 1,1-Dichloroethane	5.92	63	68765	0.60	ppbv	98
25) Ethyl Acetate	6.67	43	4662	0.03	ppbv #	1
26) Hexane	6.66	57	5929	0.07	ppbv #	42
27) Carbon Disulfide	5.39	76	7543	0.06	ppbv #	75
29) Chloroform	6.74	83	1515	0.01	ppbv #	80
30) Cyclohexane	8.29	84	13385	0.18	ppbv #	34
31) cis-1,2-Dichloroethene	6.52	61	116708	1.47	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	14935	0.09	ppbv	99
34) 2-Butanone	6.25	43	5266	0.06	ppbv	96
36) Benzene	8.03	78	875	0.01	ppbv #	52
37) 1,2-Dichloroethane	7.59	62	431	0.00	ppbv #	1
38) Trichloroethene	9.07	130	1728476	23.17	ppbv	99
39) 1,2-Dichloropropane	9.06	63	10256	0.17	ppbv #	1
41) Tetrahydrofuran	7.18	42	1908	0.04	ppbv #	34
42) Bromodichloromethane	9.07	83	27970	0.17	ppbv #	92
44) 2,2,4-Trimethylpentane	9.08	57	174	0.00	ppbv #	1
51) 2-Hexanone	11.94	43	16806	0.14	ppbv #	44
52) Tetrachloroethene	12.80	164	1155	0.01	ppbv #	42
53) Toluene	11.23	91	164	0.00	ppbv #	21
58) Ethyl Benzene	14.41	91	111	0.00	ppbv #	44
59) m/p-Xylene	14.72	91	252	0.00	ppbv #	29
60) o-Xylene	15.48	91	1121	0.00	ppbv #	32
62) Isopropylbenzene	16.30	105	523	0.00	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	15.37	83	243	0.00	ppbv #	25

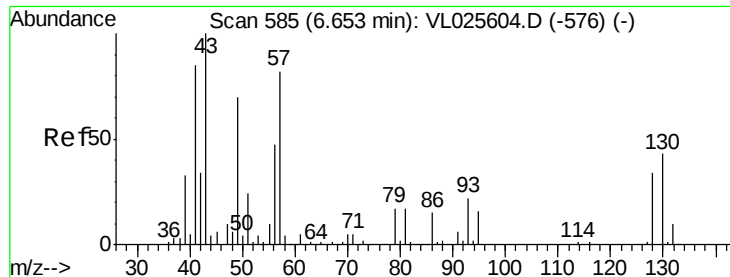
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL070715\
Data File : VL025624.D
Acq On : 8 Jul 2015 1:56
Operator : SY/MD
Sample : G2872-02DL2 200X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 08 06:57:41 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) tert-Butylbenzene	18.91	119	95218	0.23	ppbv #	30
66) Benzyl Chloride	18.95	91	325	0.00	ppbv #	65
67) sec-Butylbenzene	19.77	105	2499	0.00	ppbv #	57
71) 2-Chlorotoluene	17.52	91	376	0.00	ppbv #	44
72) 4-Ethyltoluene	17.75	105	613	0.00	ppbv #	78
73) 1,3,5-Trimethylbenzene	17.99	105	716	0.00	ppbv #	30
74) 1,2,4-Trimethylbenzene	18.84	105	5918	0.02	ppbv #	61
75) 1,3-Dichlorobenzene	18.96	146	143	0.00	ppbv #	24
76) 1,4-Dichlorobenzene	18.96	146	143	0.00	ppbv #	24

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

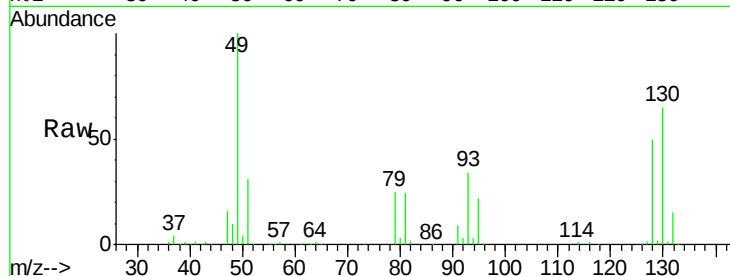
Tgt Ion: 49 Resp: 634186

Ion Ratio Lower Upper

49 100

128 51.8 25.4 76.0

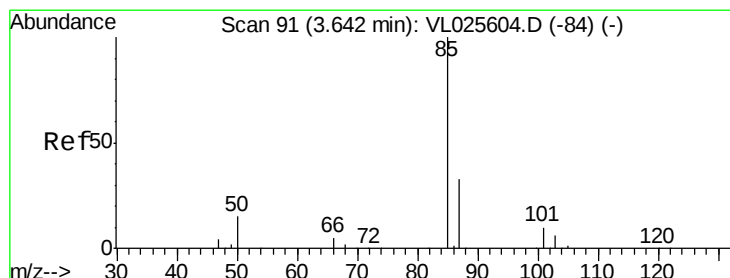
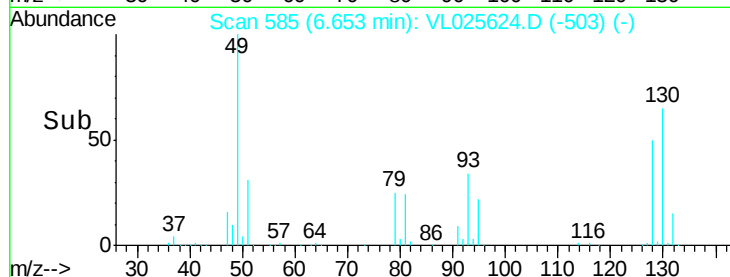
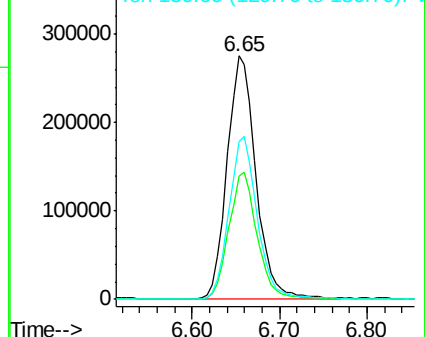
130 66.7 31.9 95.9



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: 0.00 ppbv

RT: 3.64 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL025624.D

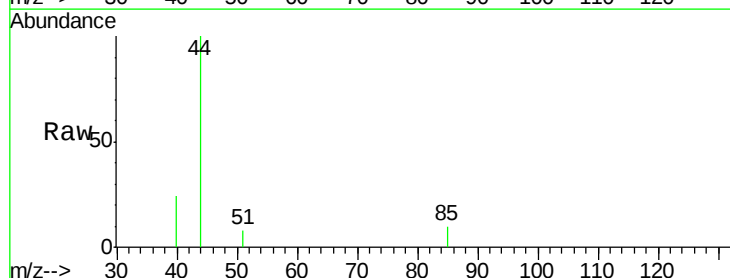
Acq: 8 Jul 2015 1:56

Tgt Ion: 85 Resp: 318

Ion Ratio Lower Upper

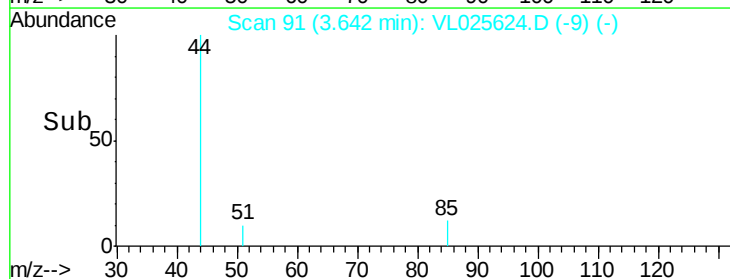
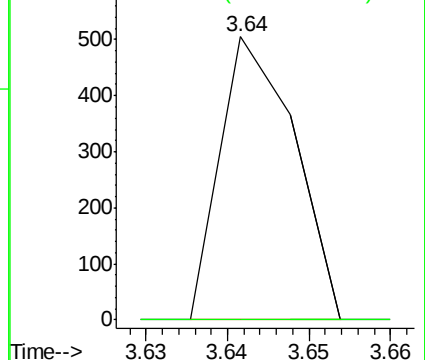
85 100

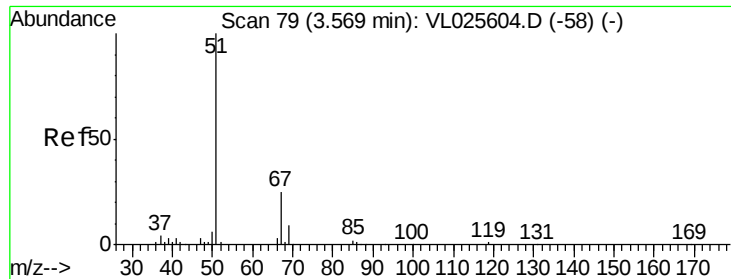
87 0.0 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

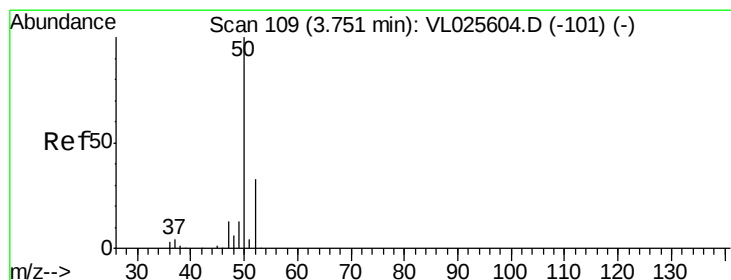
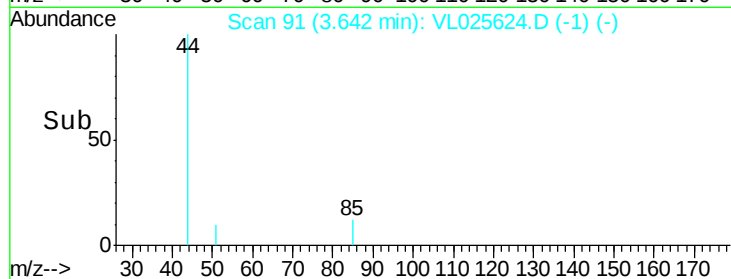
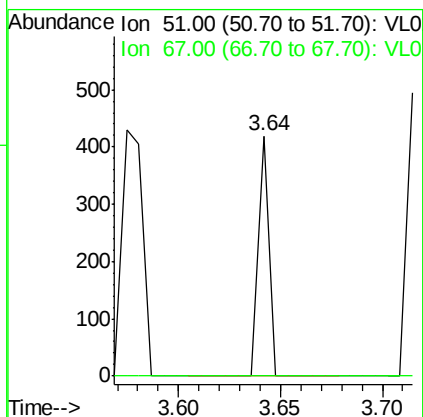
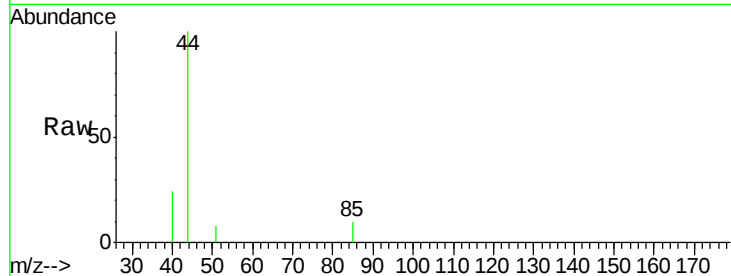




#3
Chlorodifluoromethane
Concen: 0.00 ppbv
RT: 3.64 min Scan# 91
Delta R.T. 0.07 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

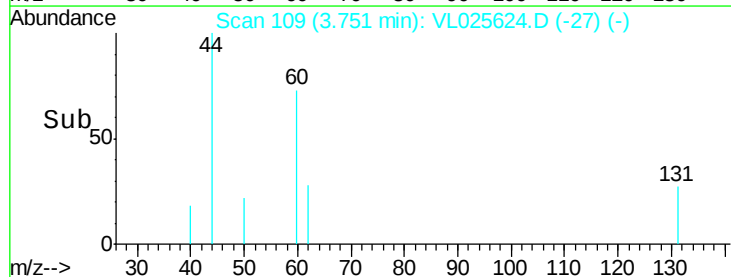
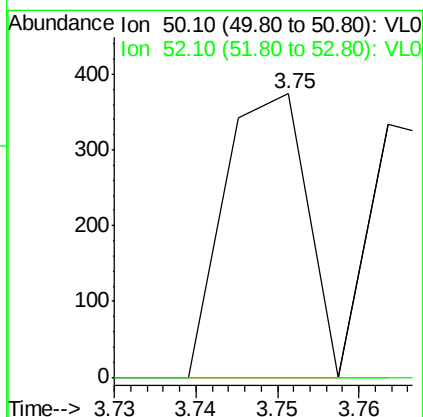
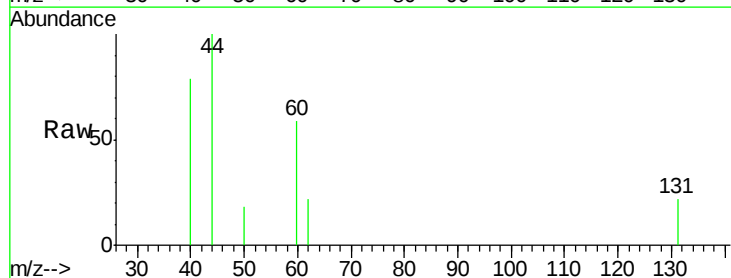
Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDSTREAM-070115DL2

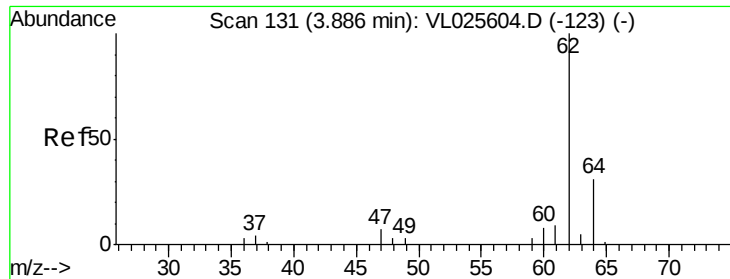
Tgt Ion: 51 Resp: 153
Ion Ratio Lower Upper
51 100
67 0.0 19.5 29.3#



#4
Chloromethane
Concen: 0.01 ppbv
RT: 3.75 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 50 Resp: 262
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#





#5

Vinyl Chloride

Concen: 0.05 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

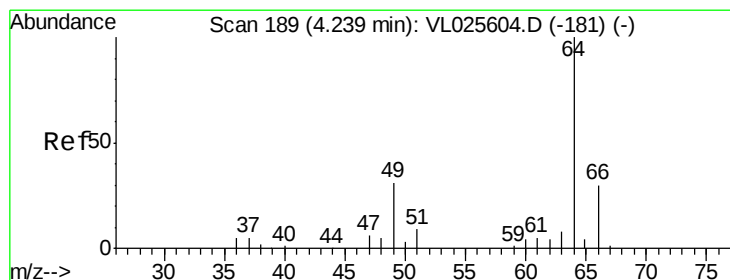
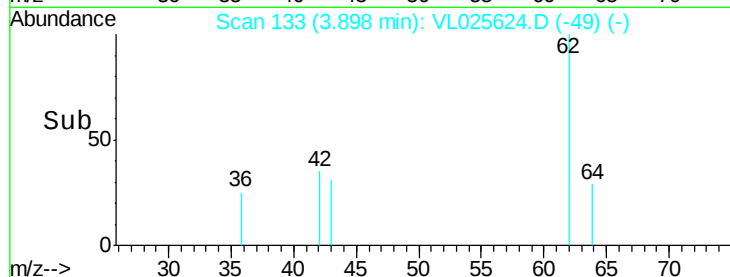
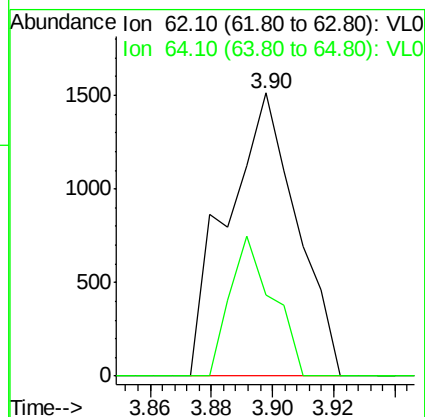
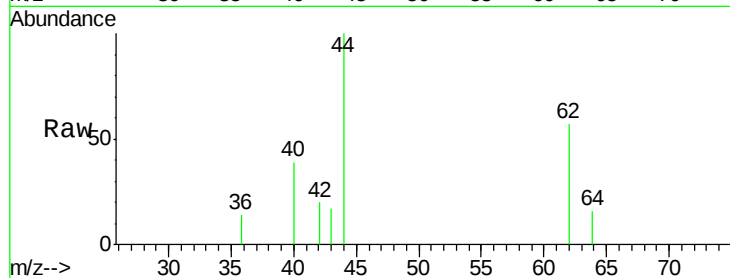
DIN46-MIDSTREAM-070115DL2

Tgt Ion: 62 Resp: 2393

Ion Ratio Lower Upper

62 100

64 28.6 25.0 37.6



#7

Chloroethane

Concen: 0.04 ppbv

RT: 3.89 min Scan# 132

Delta R.T. -0.35 min

Lab File: VL025624.D

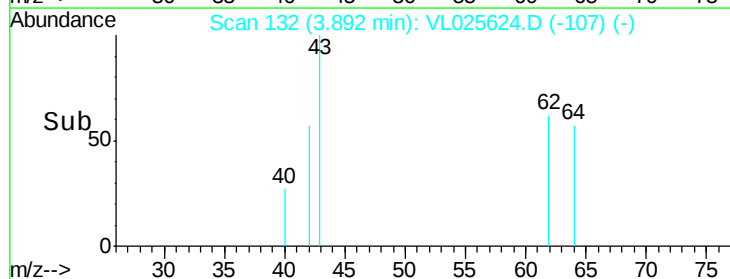
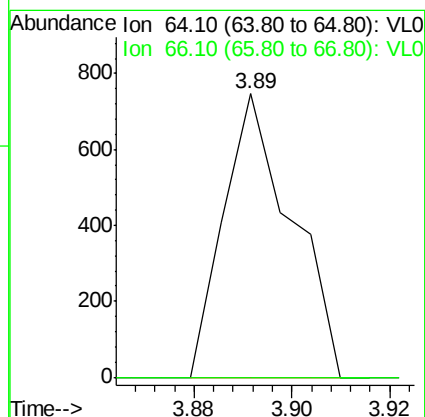
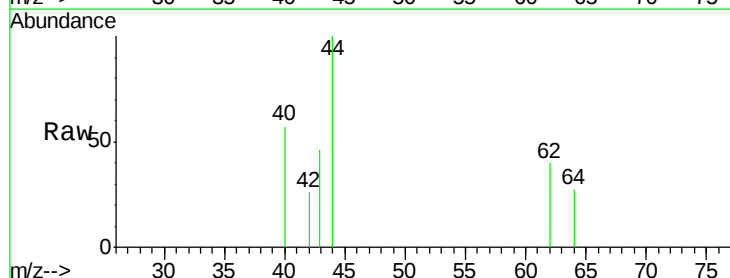
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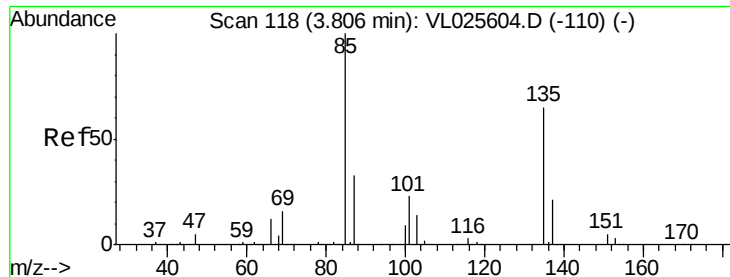
Tgt Ion: 64 Resp: 718

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#

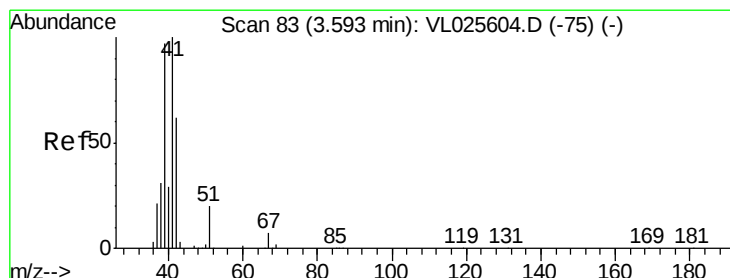
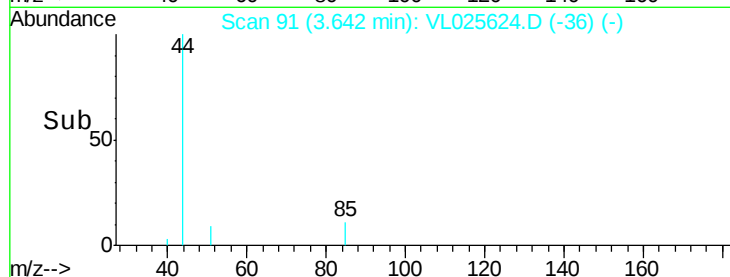
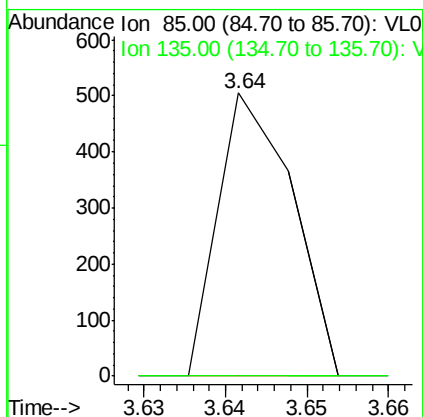
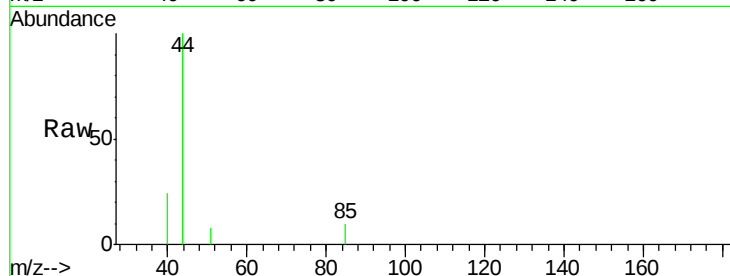




#8
Dichlorotetrafluoroethane
Concen: 0.00 ppbv
RT: 3.64 min Scan# 91
Delta R.T. -0.16 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

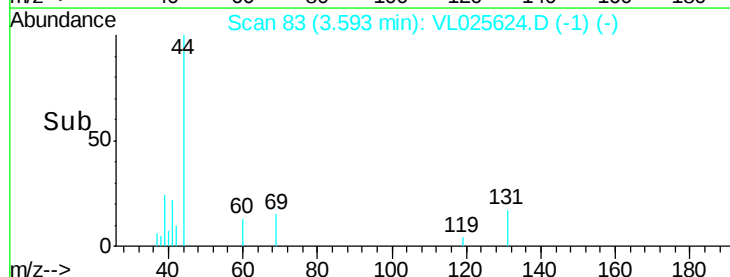
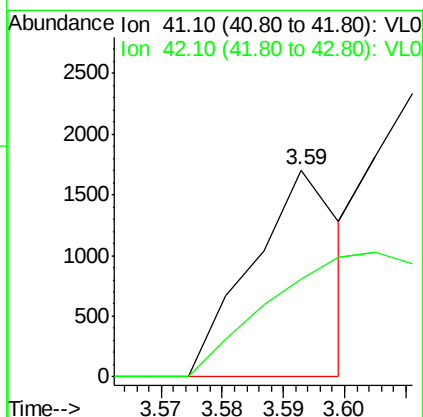
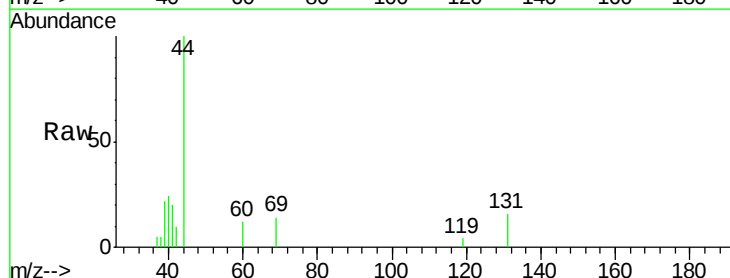
Instrument :
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ClientSampleId :
DIN46-MIDSTREAM-070115DL2

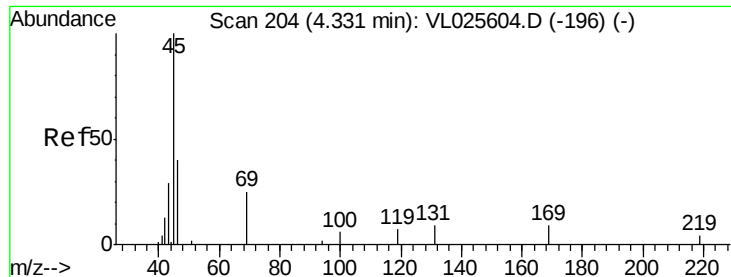
Tgt Ion: 85 Resp: 318
Ion Ratio Lower Upper
85 100
135 0.0 52.2 78.4#



#9
Propene
Concen: 0.06 ppbv
RT: 3.59 min Scan# 83
Delta R.T. -0.00 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 41 Resp: 1716
Ion Ratio Lower Upper
41 100
42 0.0 52.4 78.6#





#13

Ethanol

Concen: 0.14 ppbv

RT: 4.37 min Scan# 211

Delta R.T. 0.04 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

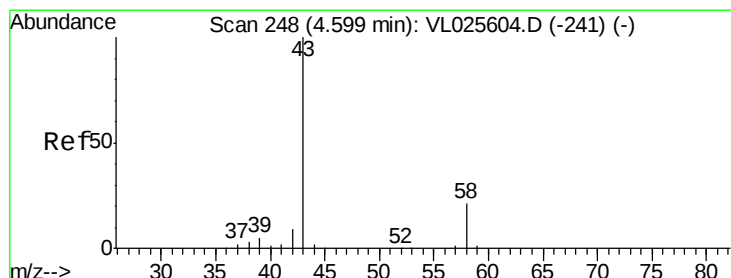
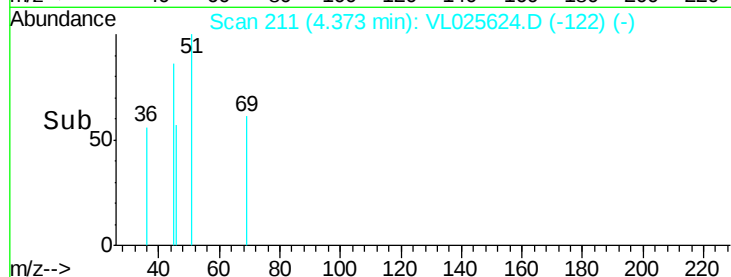
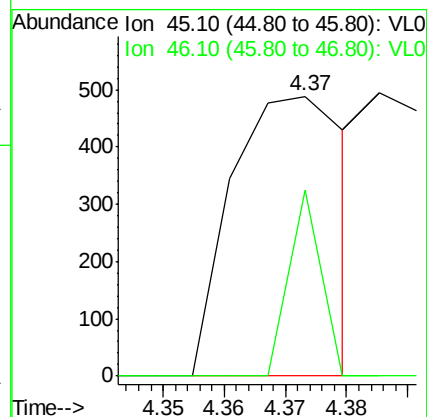
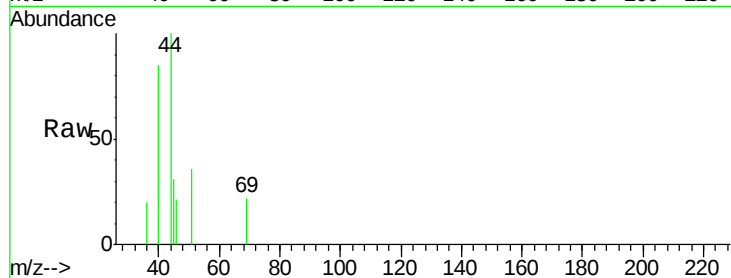
DIN46-MIDSTREAM-070115DL2

Tgt Ion: 45 Resp: 636

Ion Ratio Lower Upper

45 100

46 0.0 16.0 64.0#



#15

Acetone

Concen: 0.10 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL025624.D

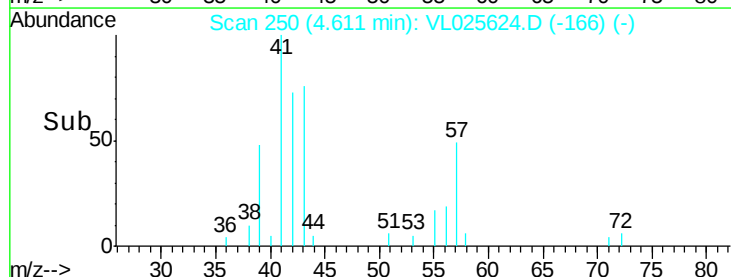
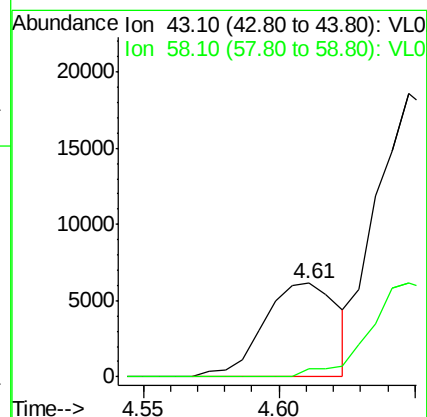
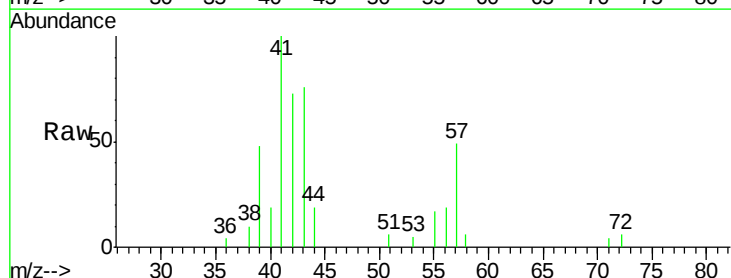
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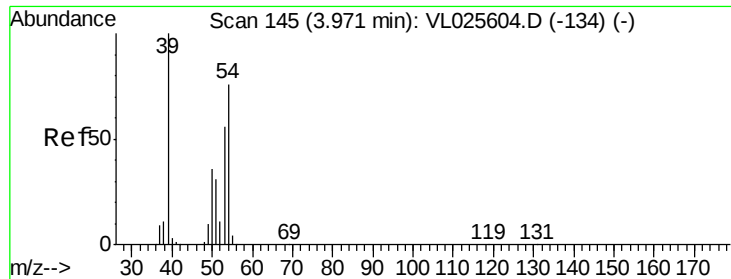
Tgt Ion: 43 Resp: 11705

Ion Ratio Lower Upper

43 100

58 0.0 17.2 25.8#

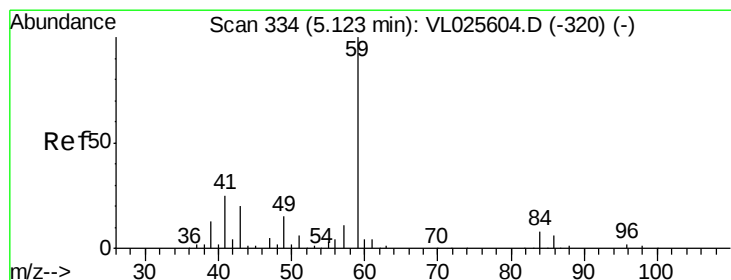
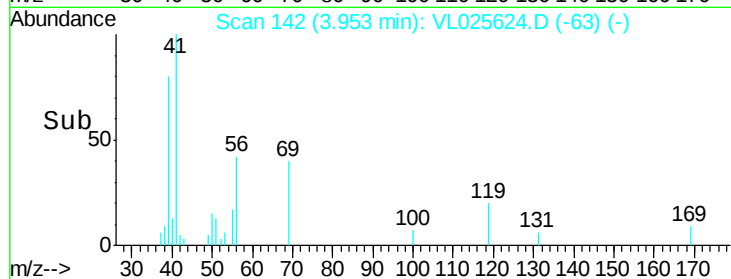
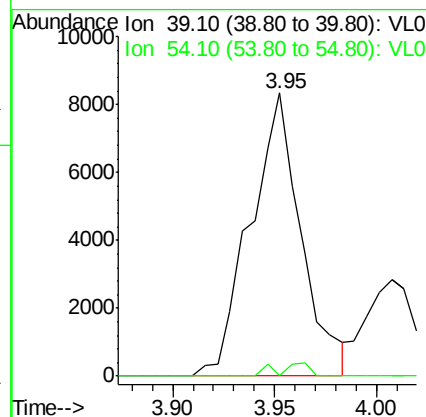
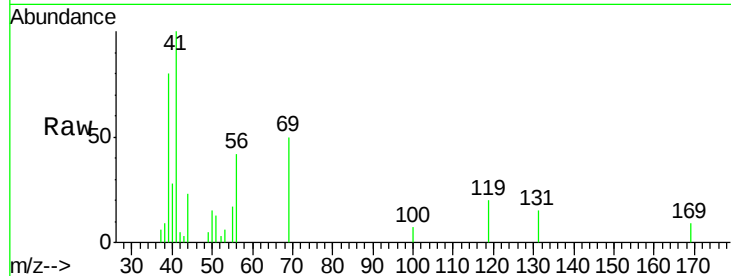




#16
 1,3-Butadiene
 Concen: 0.32 ppbv
 RT: 3.95 min Scan# 142
 Delta R.T. -0.02 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

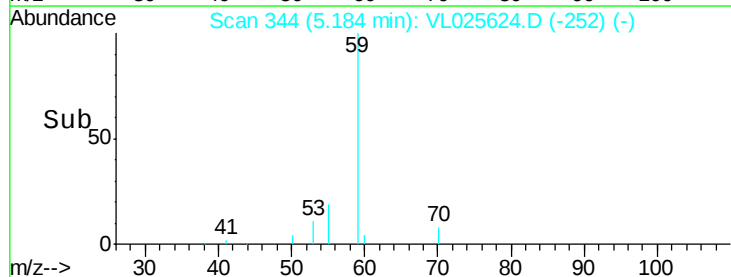
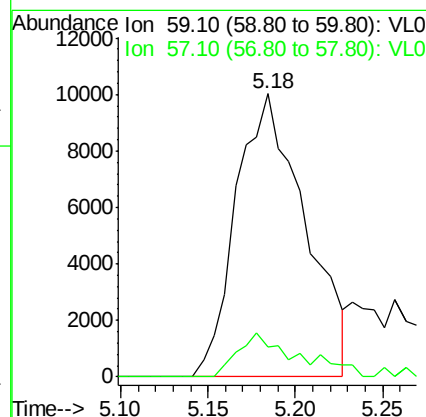
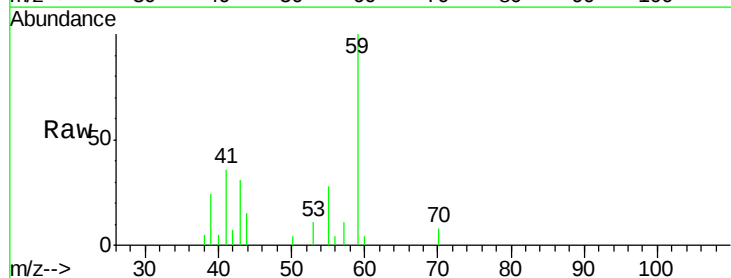
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

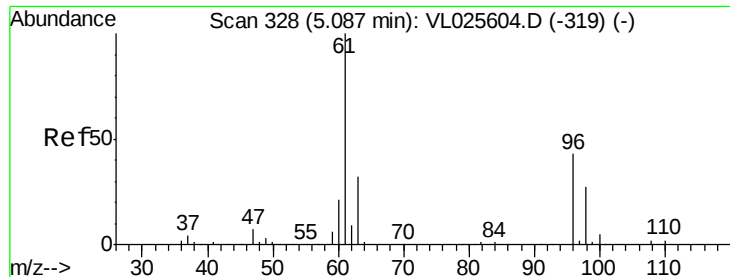
Tgt Ion: 39 Resp: 14445
 Ion Ratio Lower Upper
 39 100
 54 2.7 59.3 88.9#



#17
 tert-Butyl alcohol
 Concen: 0.29 ppbv
 RT: 5.18 min Scan# 344
 Delta R.T. 0.06 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion: 59 Resp: 27447
 Ion Ratio Lower Upper
 59 100
 57 14.5 9.4 14.2#





#18

1,1-Dichloroethene

Concen: 0.18 ppbv

RT: 5.09 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

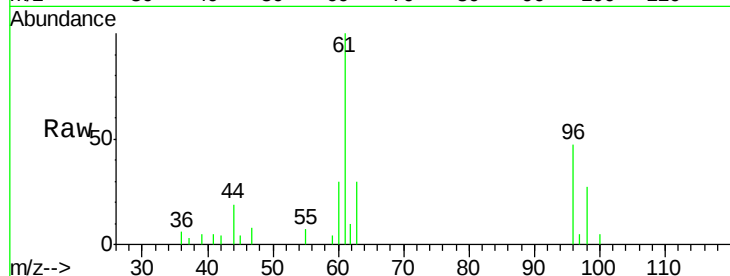
Tgt Ion: 96 Resp: 8397

Ion Ratio Lower Upper

96 100

61 215.0 184.1 276.1

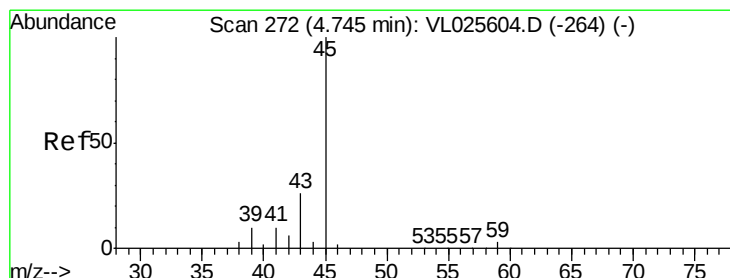
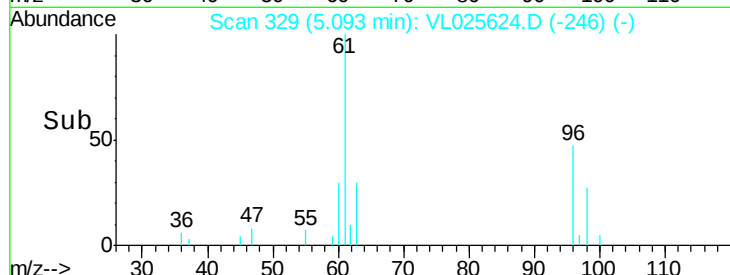
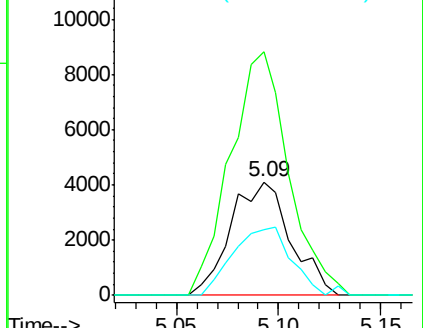
98 57.5 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#19

Isopropyl Alcohol

Concen: 0.01 ppbv

RT: 4.81 min Scan# 283

Delta R.T. 0.07 min

Lab File: VL025624.D

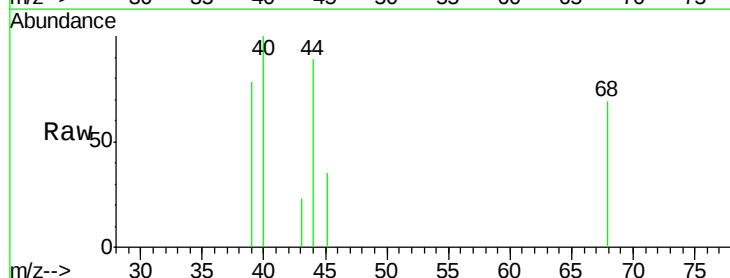
Acq: 8 Jul 2015 1:56

Tgt Ion: 45 Resp: 419

Ion Ratio Lower Upper

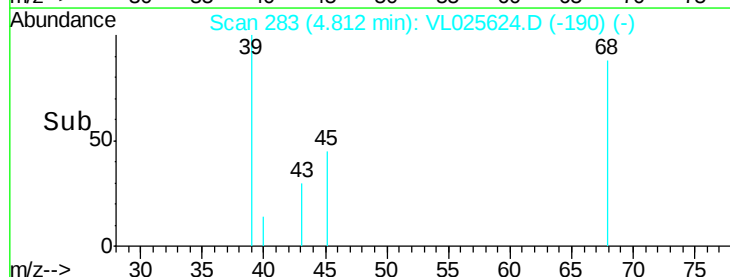
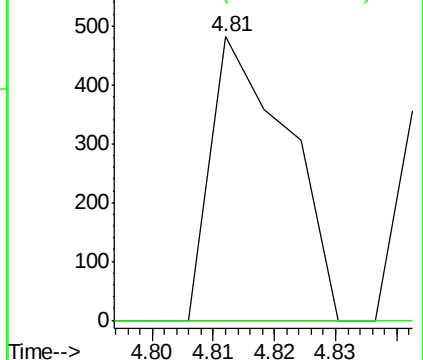
45 100

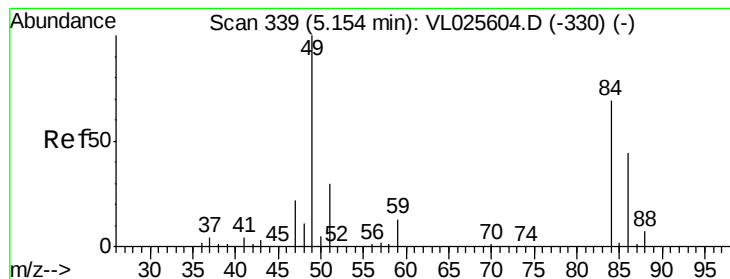
58 3345.3 1.1 1.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.05 ppbv

RT: 5.15 min Scan# 338

Delta R.T. -0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

Tgt Ion: 84 Resp: 2379

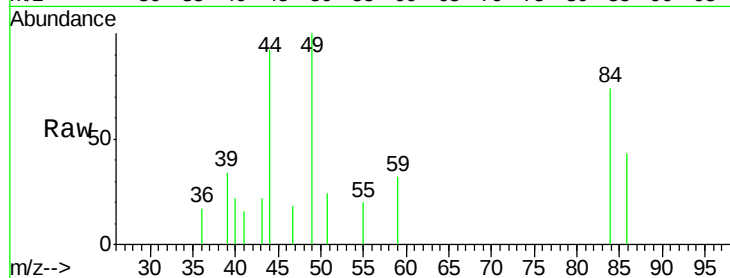
Ion Ratio Lower Upper

84 100

49 136.0 115.2 172.8

51 32.9 35.0 52.6#

86 58.9 50.6 76.0

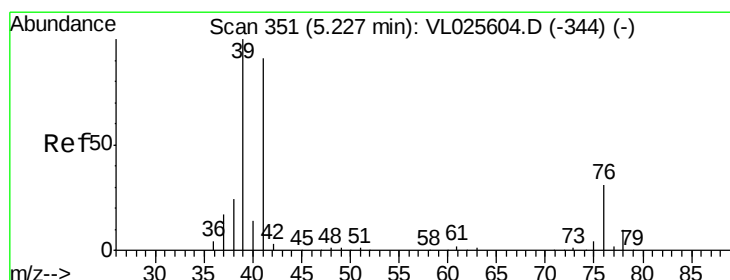
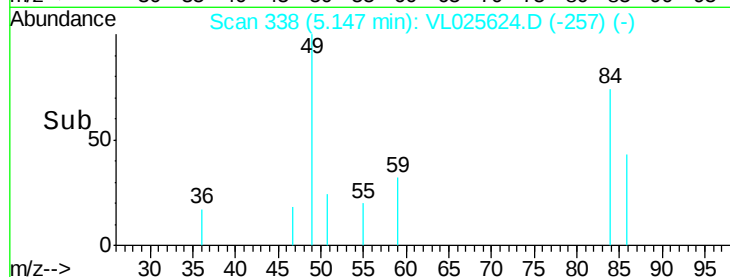
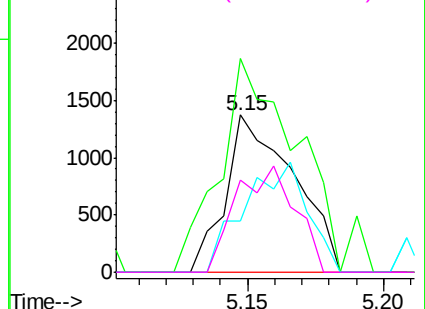


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 0.01 ppbv

RT: 5.25 min Scan# 355

Delta R.T. 0.02 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

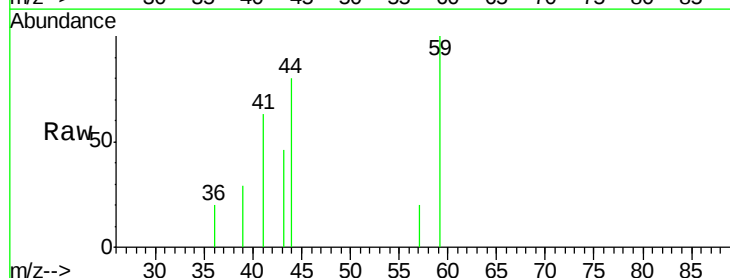
Tgt Ion: 41 Resp: 988

Ion Ratio Lower Upper

41 100

76 0.0 26.6 40.0#

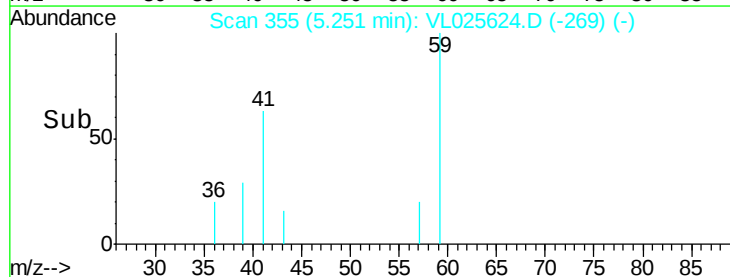
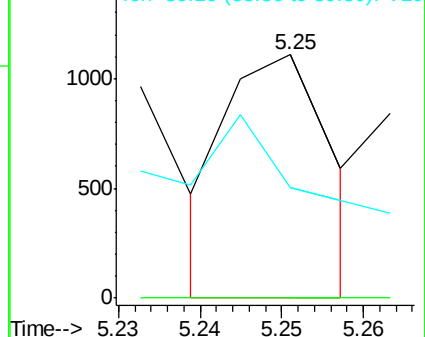
39 0.0 88.2 132.4#

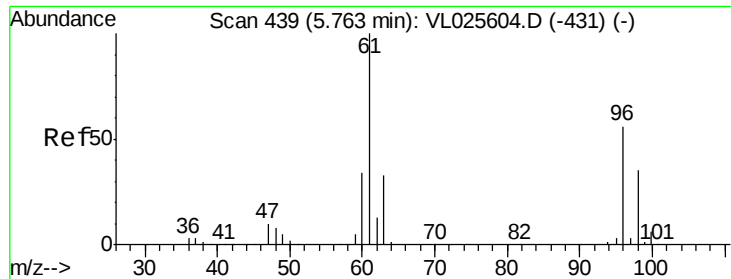


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.01 ppbv

RT: 5.78 min Scan# 441

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

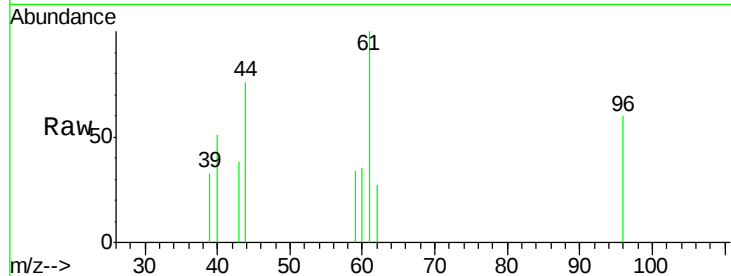
Tgt Ion: 96 Resp: 687

Ion Ratio Lower Upper

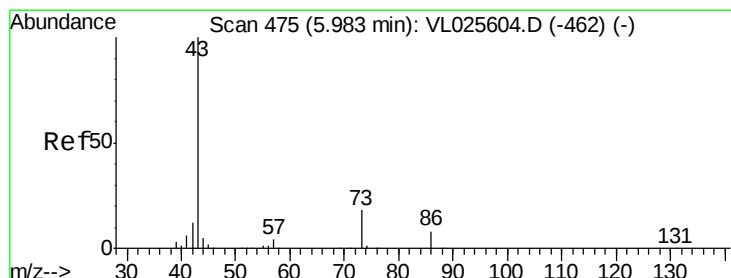
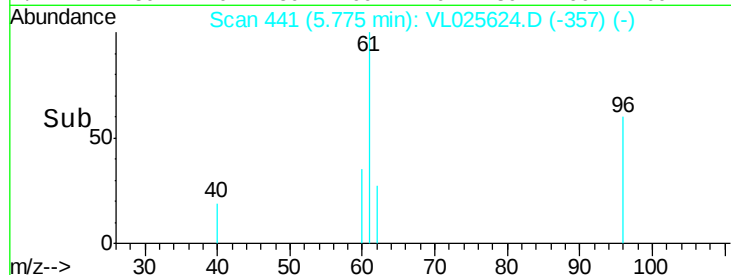
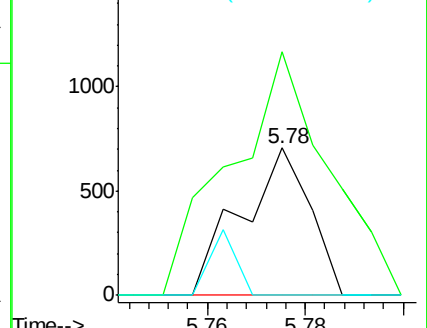
96 100

61 98.9 141.8 212.6#

98 0.0 49.0 73.6#



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



#23

Vinyl Acetate

Concen: 0.09 ppbv

RT: 6.01 min Scan# 479

Delta R.T. 0.02 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Tgt Ion: 43 Resp: 15675

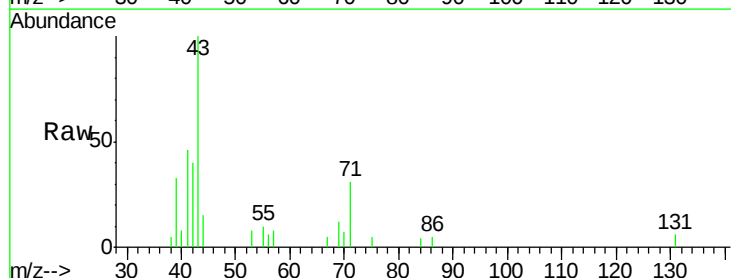
Ion Ratio Lower Upper

43 100

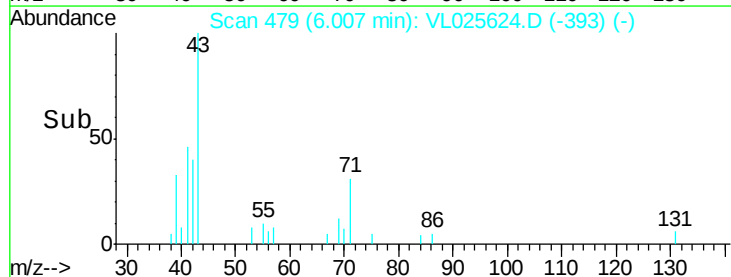
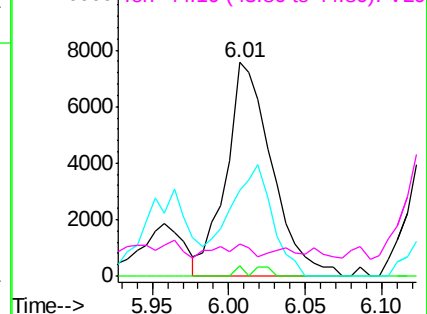
86 4.8 6.7 10.1#

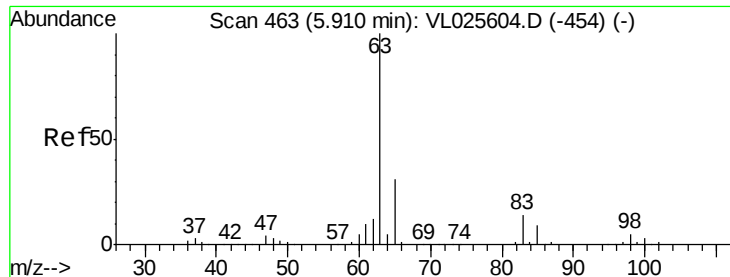
42 40.2 9.8 14.6#

44 6.7 4.1 6.1#



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





#24

1,1-Dichloroethane

Concen: 0.60 ppbv

RT: 5.92 min Scan# 464

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

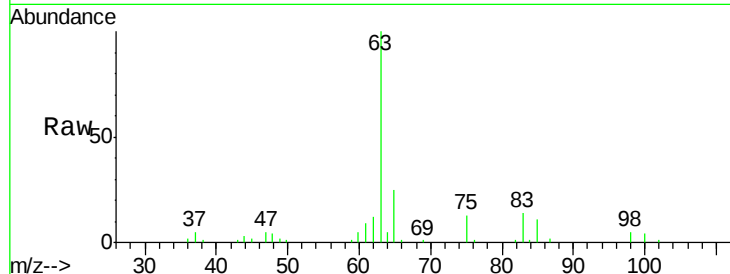
Tgt Ion: 63 Resp: 68765

Ion Ratio Lower Upper

63 100

98 5.0 2.6 8.0

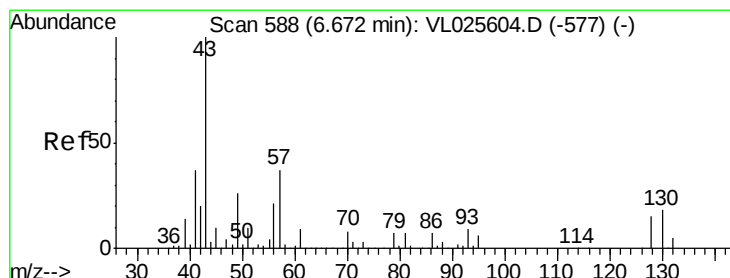
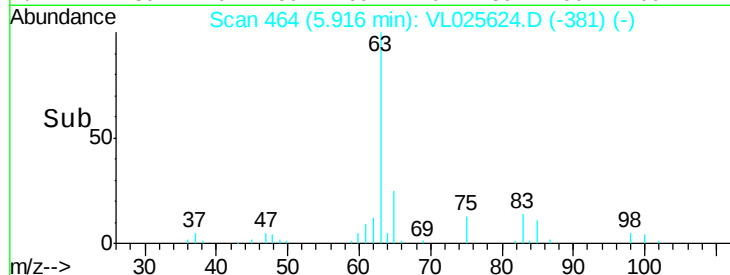
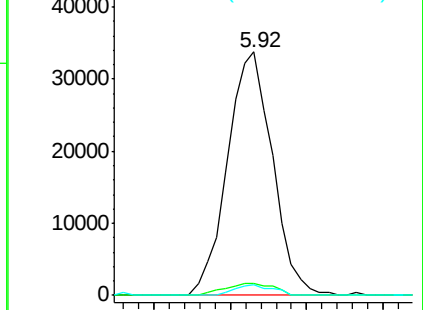
100 4.2 1.6 4.7



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: 0.03 ppbv

RT: 6.67 min Scan# 587

Delta R.T. -0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Tgt Ion: 43 Resp: 4662

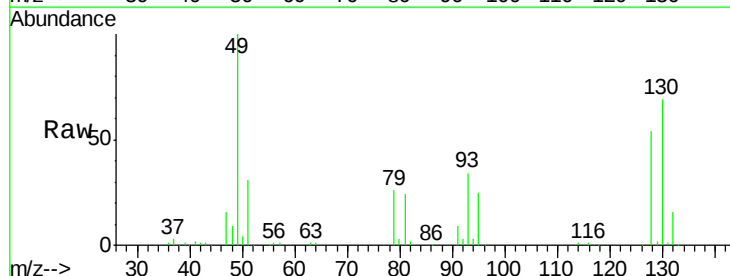
Ion Ratio Lower Upper

43 100

45 0.0 7.5 11.3#

61 2539.4 6.6 10.0#

70 36.6 6.0 9.0#

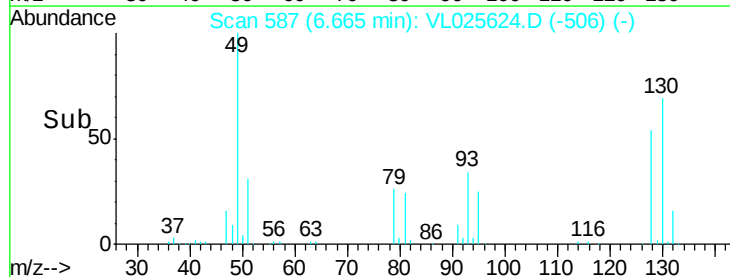
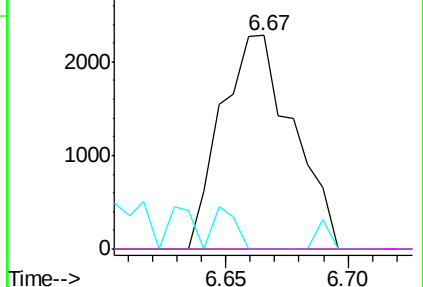


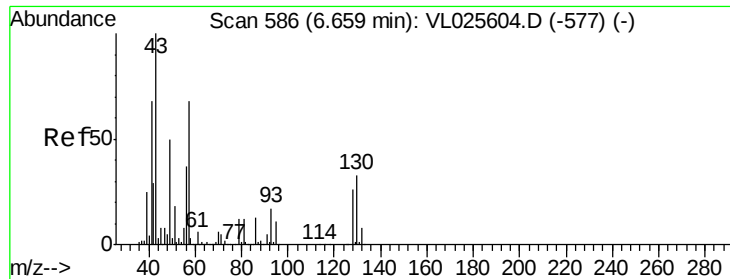
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.07 ppbv

RT: 6.66 min Scan# 586

Delta R.T. -0.00 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

Tgt Ion: 57 Resp: 5929

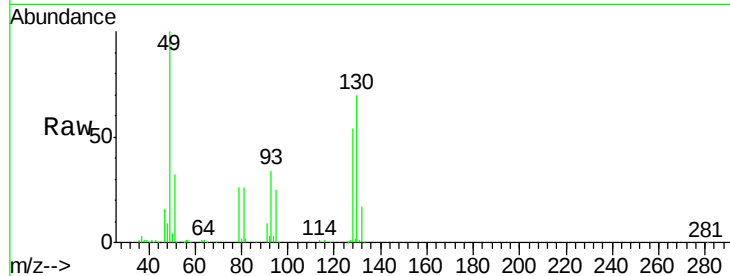
Ion Ratio Lower Upper

57 100

41 130.6 81.4 122.2#

43 78.6 171.4 257.2#

56 54.4 44.5 66.7

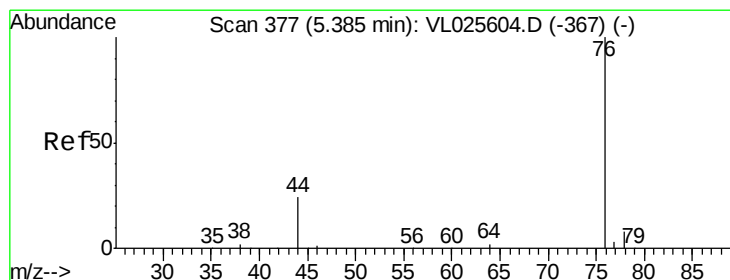
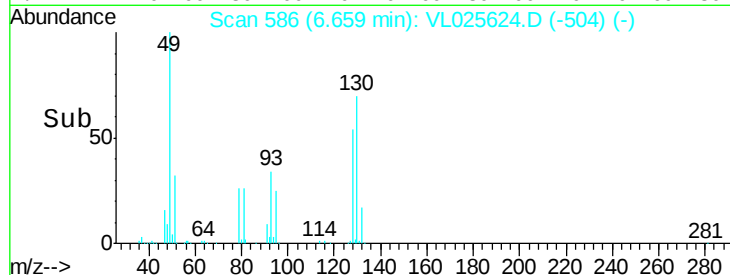
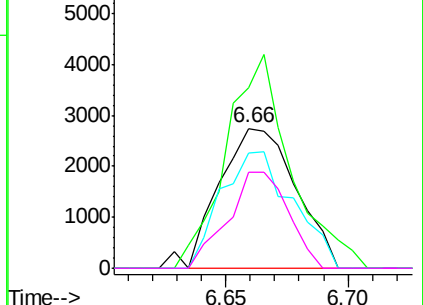


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.06 ppbv

RT: 5.39 min Scan# 378

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

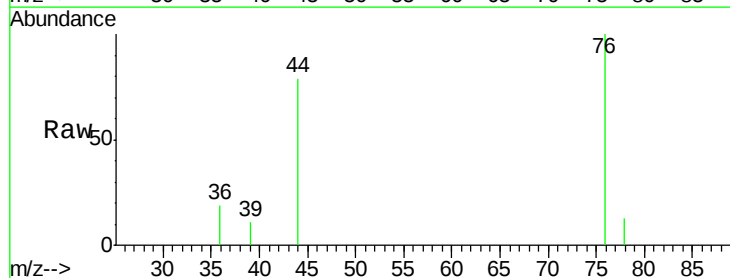
Tgt Ion: 76 Resp: 7543

Ion Ratio Lower Upper

76 100

44 42.0 20.2 30.4#

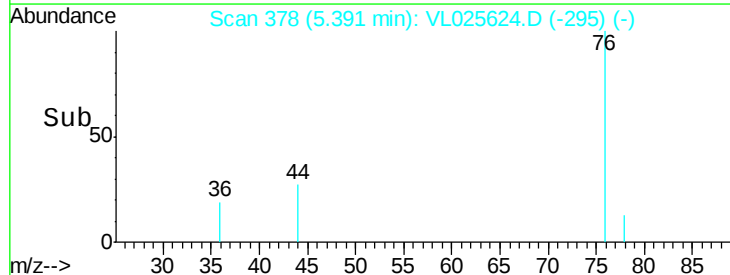
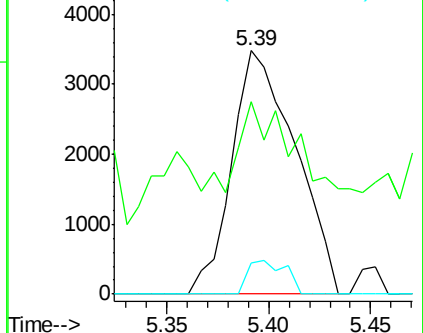
78 8.1 7.4 11.2

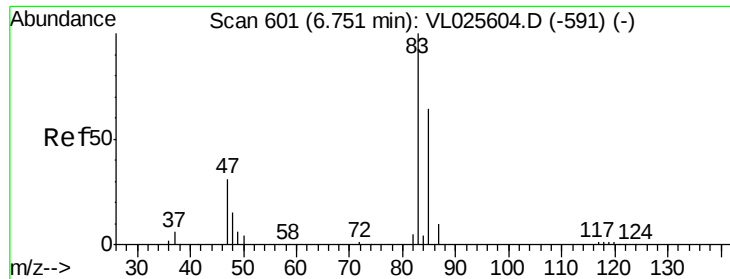


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

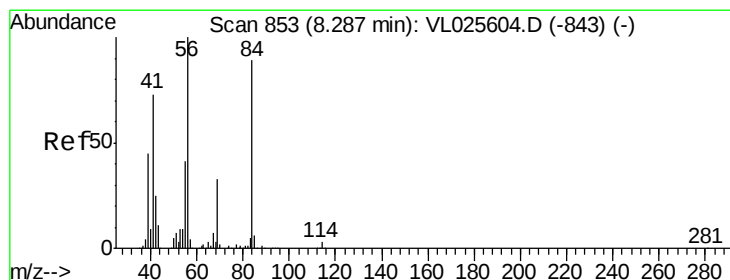
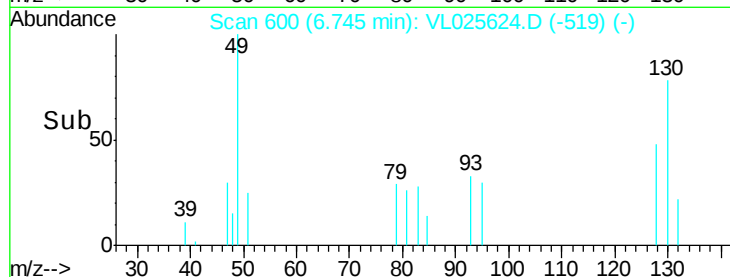
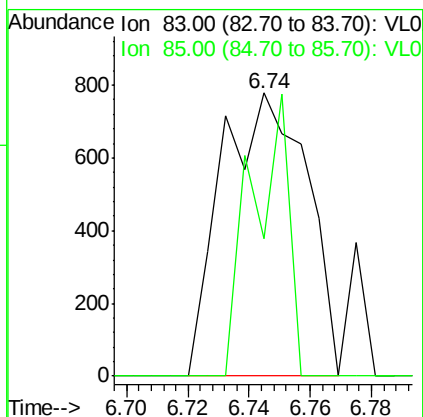
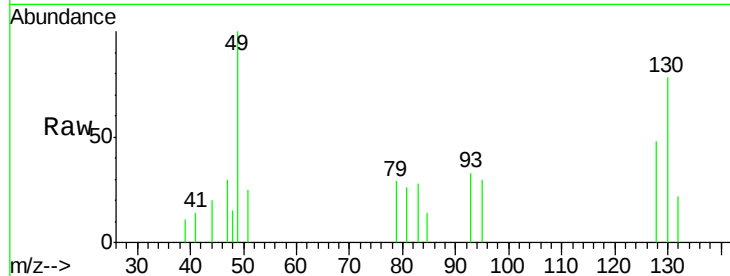




#29
Chloroform
Concen: 0.01 ppbv
RT: 6.74 min Scan# 600
Delta R.T. -0.01 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

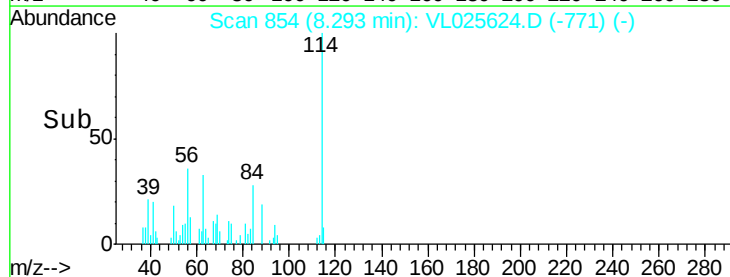
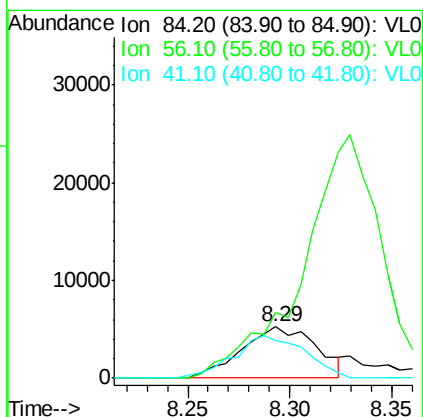
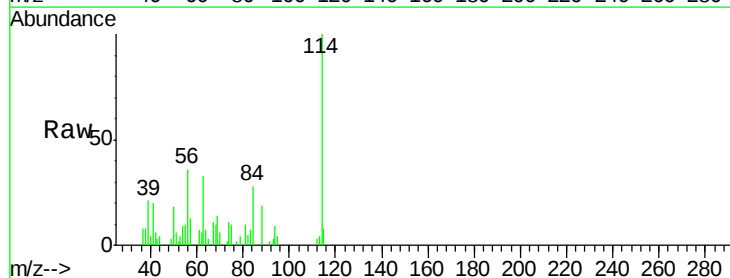
Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDSTREAM-070115DL2

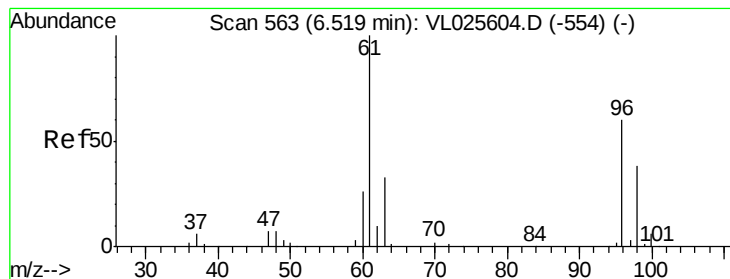
Tgt Ion: 83 Resp: 1515
Ion Ratio Lower Upper
83 100
85 48.5 51.6 77.4#



#30
Cyclohexane
Concen: 0.18 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 84 Resp: 13385
Ion Ratio Lower Upper
84 100
56 0.0 97.5 146.3#
41 79.0 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 1.47 ppbv

RT: 6.52 min Scan# 563

Delta R.T. -0.00 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

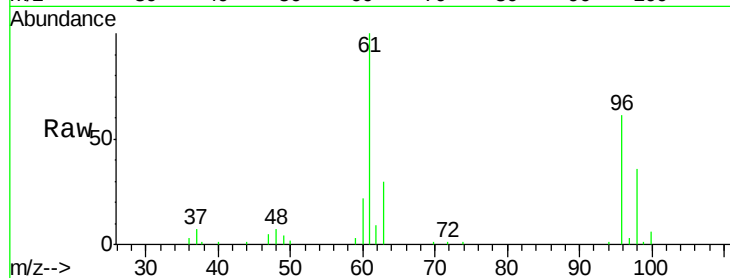
Tgt Ion: 61 Resp: 116708

Ion Ratio Lower Upper

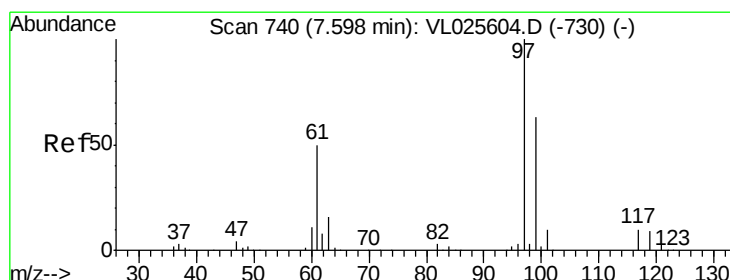
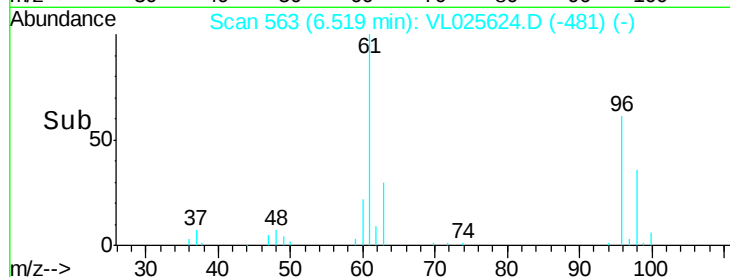
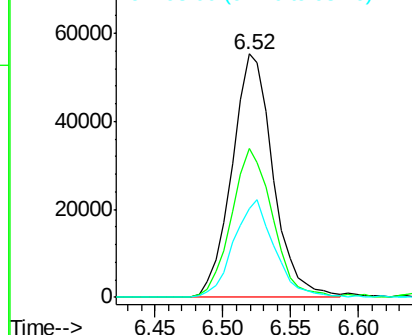
61 100

96 61.4 48.1 72.1

98 36.2 30.7 46.1



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: 0.09 ppbv

RT: 7.60 min Scan# 740

Delta R.T. -0.00 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

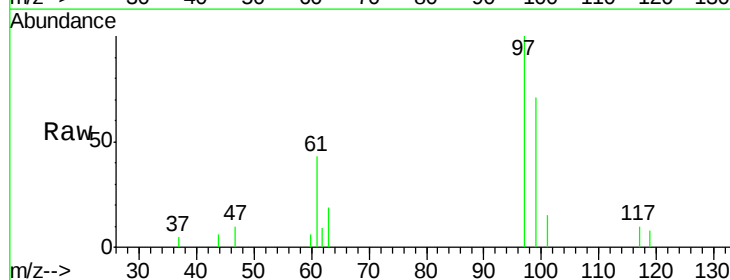
Tgt Ion: 97 Resp: 14935

Ion Ratio Lower Upper

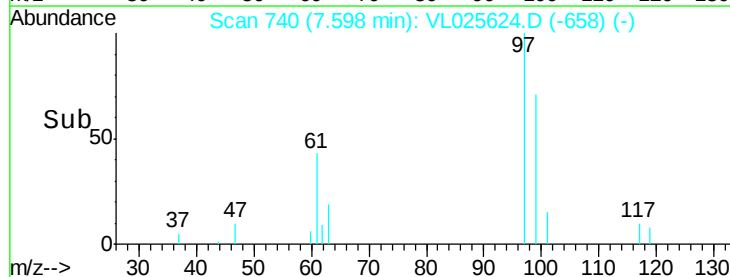
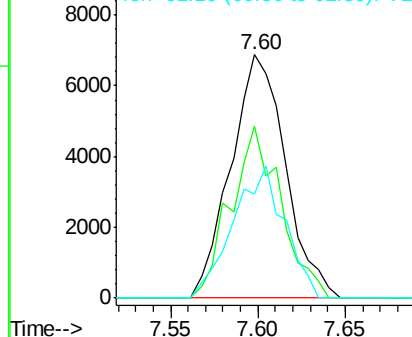
97 100

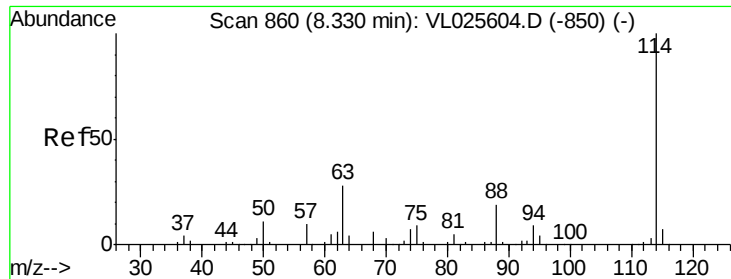
99 64.8 51.2 76.8

61 51.2 40.4 60.6



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

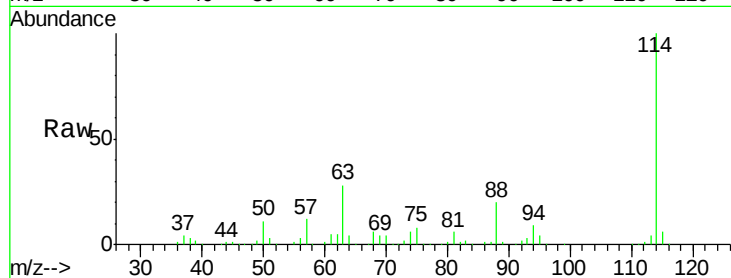




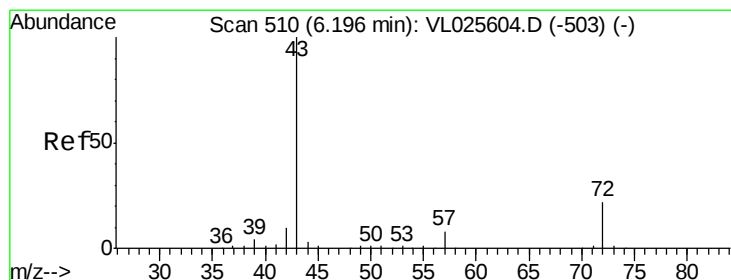
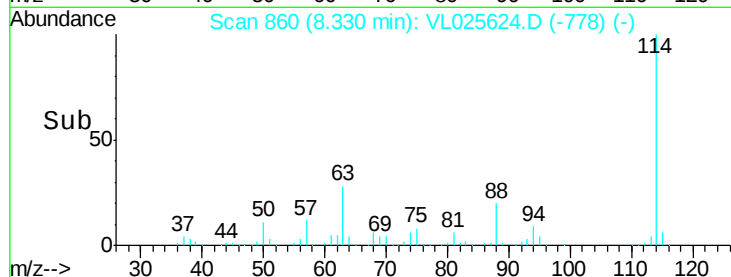
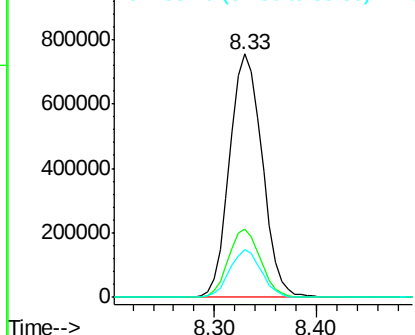
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.33 min Scan# 860
 Delta R.T. -0.00 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

Tgt Ion: 114 Resp: 1675434
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.4 33.6
 88 19.0 15.0 22.4

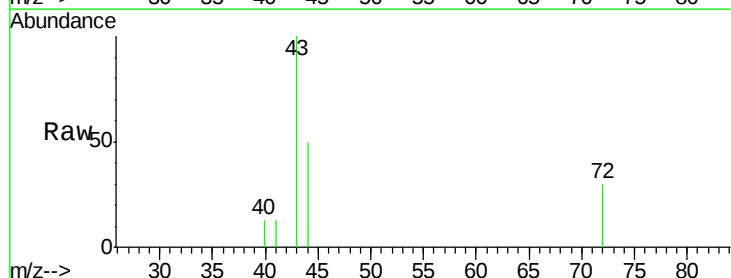


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

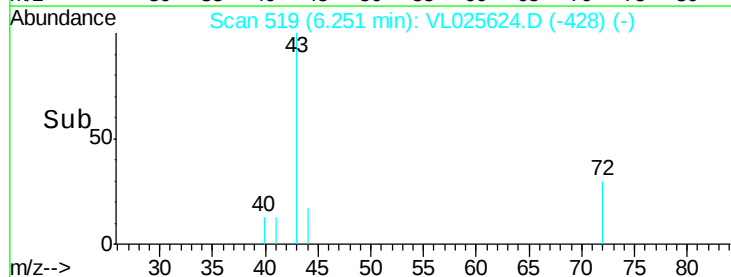
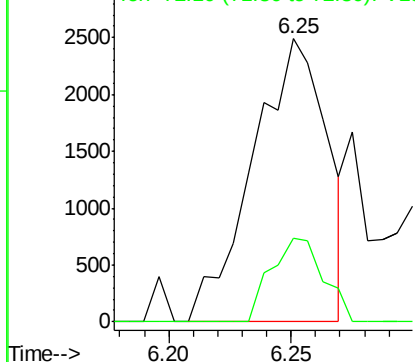


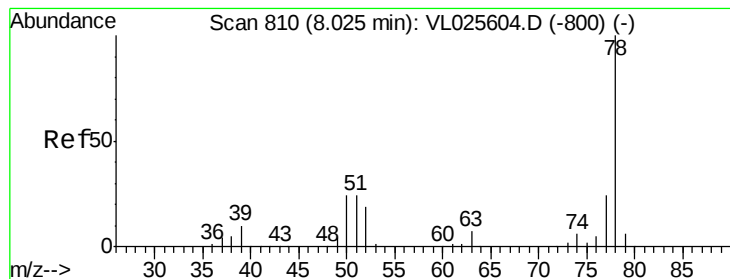
#34
 2-Butanone
 Concen: 0.06 ppbv
 RT: 6.25 min Scan# 519
 Delta R.T. 0.05 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion: 43 Resp: 5266
 Ion Ratio Lower Upper
 43 100
 72 21.1 18.6 28.0



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





#36

Benzene

Concen: 0.01 ppbv

RT: 8.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

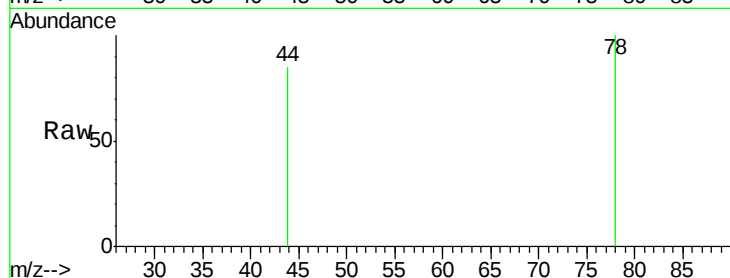
Tgt Ion: 78 Resp: 875

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.4#

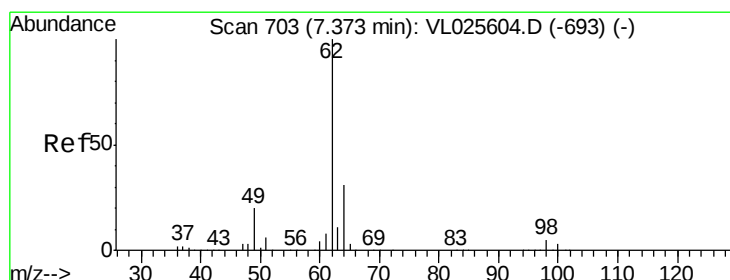
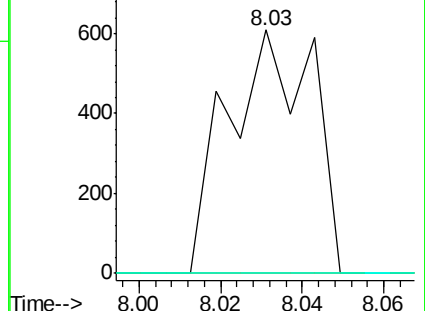
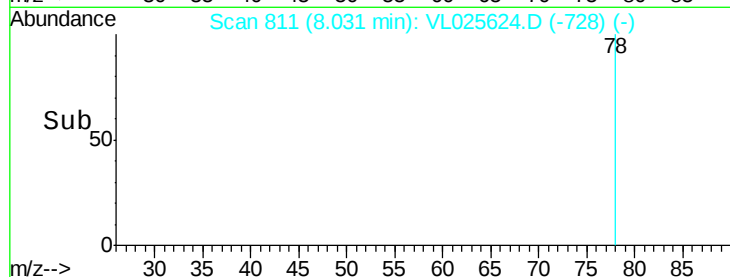
50 0.0 19.2 28.8#



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.00 ppbv

RT: 7.59 min Scan# 738

Delta R.T. 0.21 min

Lab File: VL025624.D

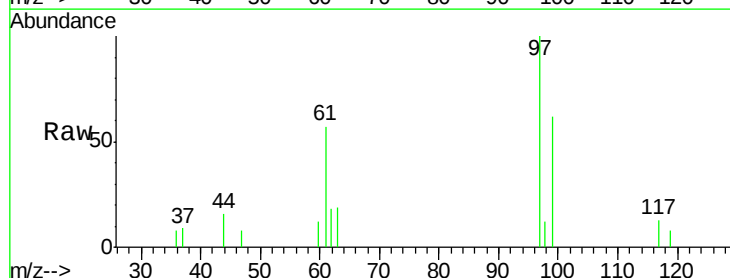
Acq: 8 Jul 2015 1:56

Tgt Ion: 62 Resp: 431

Ion Ratio Lower Upper

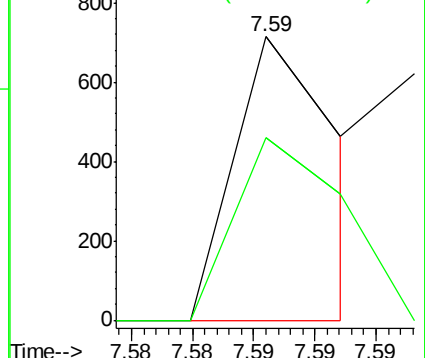
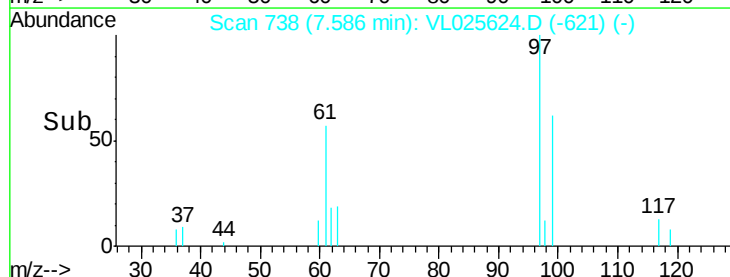
62 100

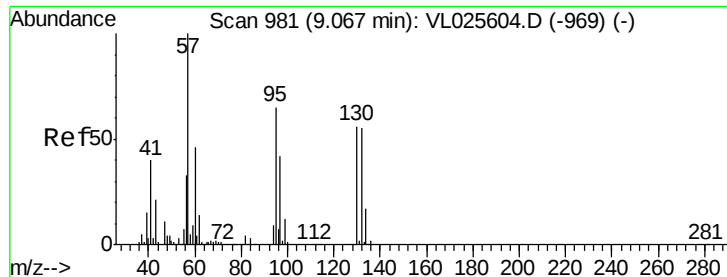
98 103.2 4.1 6.1#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 23.17 ppbv

RT: 9.07 min Scan# 981

Delta R.T. -0.00 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

Tgt Ion:130 Resp: 1728476

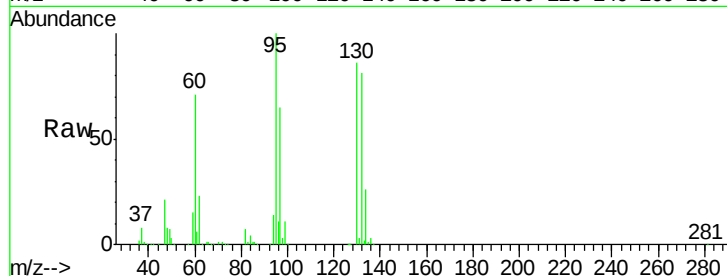
Ion Ratio Lower Upper

130 100

95 116.9 94.2 141.4

132 95.2 78.6 118.0

97 75.5 60.6 90.8

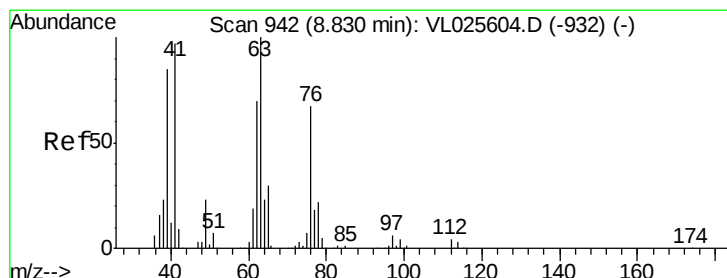
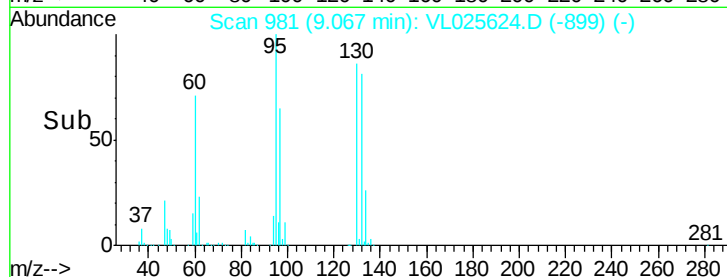
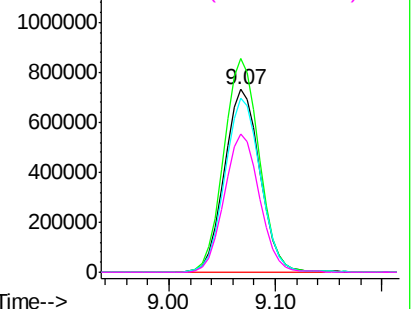


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.17 ppbv

RT: 9.06 min Scan# 980

Delta R.T. 0.23 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

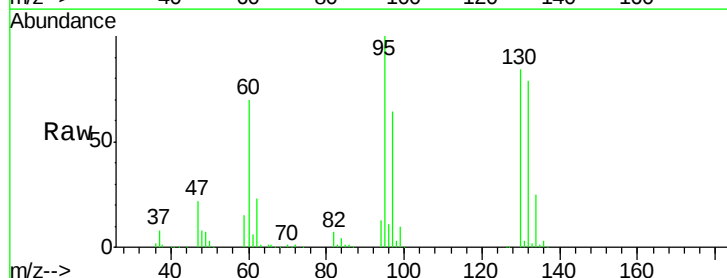
Tgt Ion: 63 Resp: 10256

Ion Ratio Lower Upper

63 100

41 22.1 78.0 117.0#

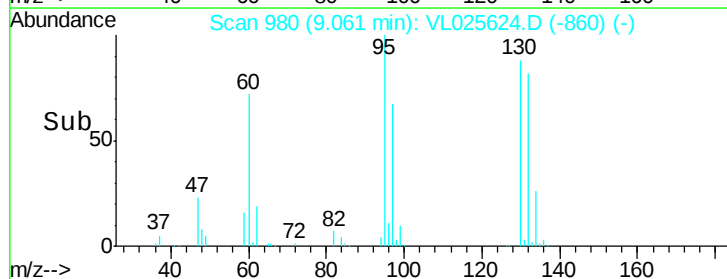
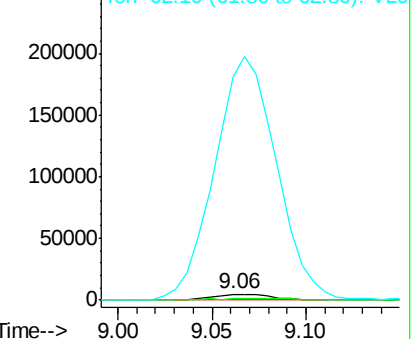
62 3796.0 55.7 83.5#

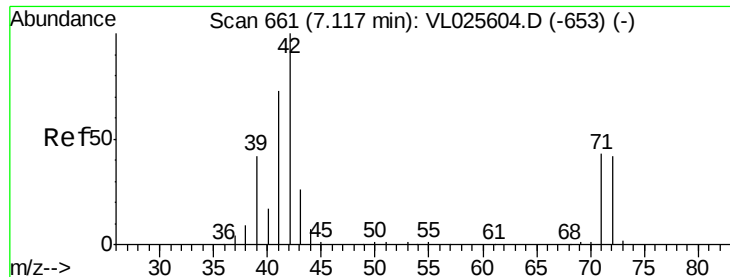


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.04 ppbv

RT: 7.18 min Scan# 672

Delta R.T. 0.07 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

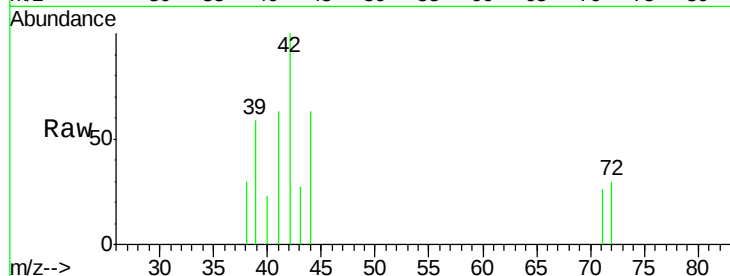
Tgt Ion: 42 Resp: 1908

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

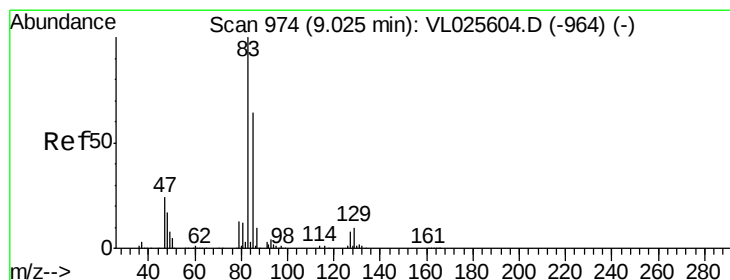
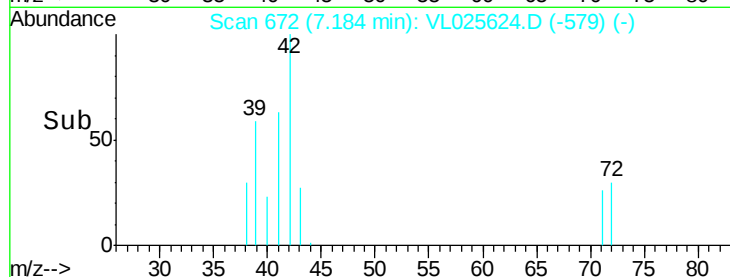
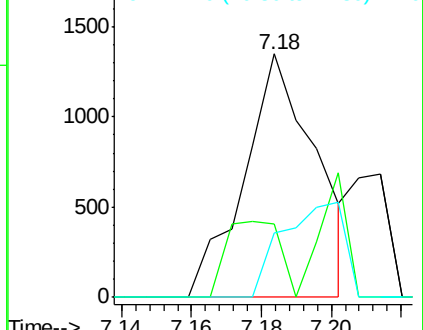
71 0.0 33.0 49.6#



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: 0.17 ppbv

RT: 9.07 min Scan# 981

Delta R.T. 0.04 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

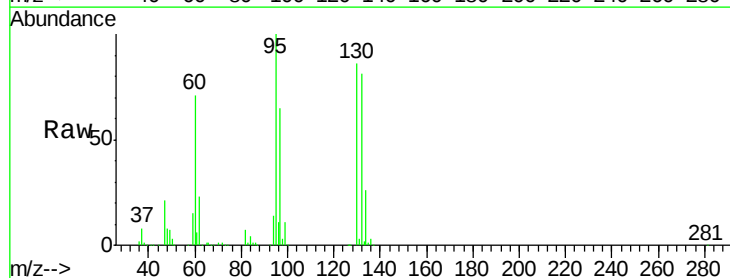
Tgt Ion: 83 Resp: 27970

Ion Ratio Lower Upper

83 100

85 57.7 51.3 76.9

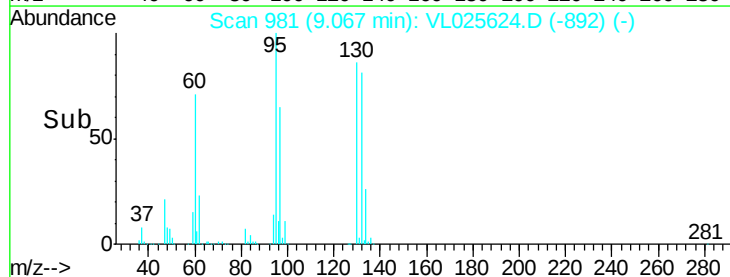
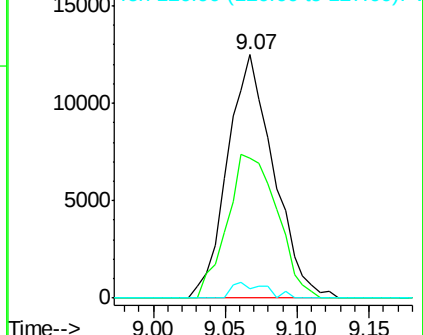
127 3.6 6.0 9.0#

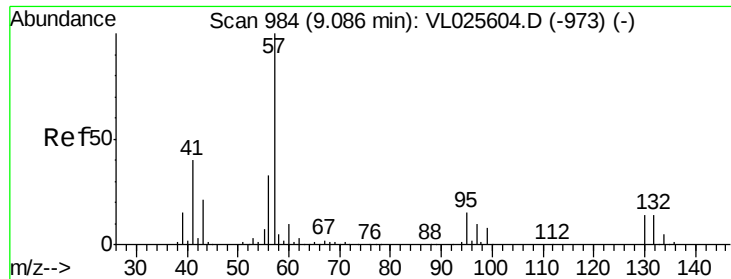


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

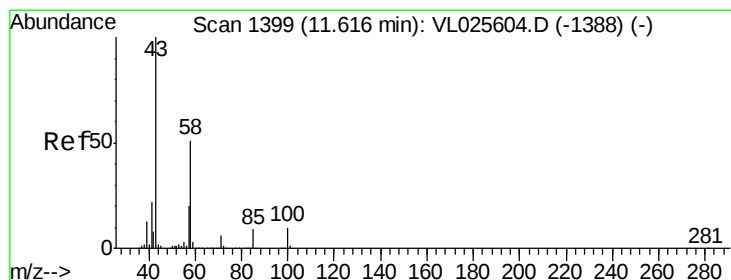
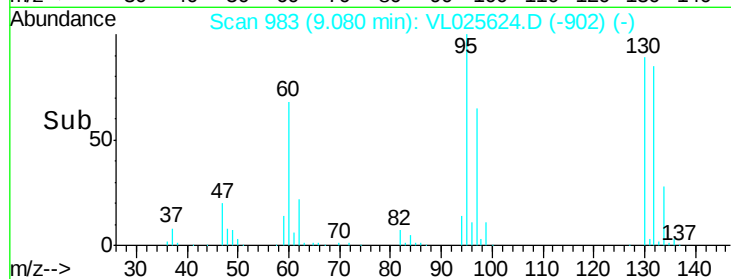
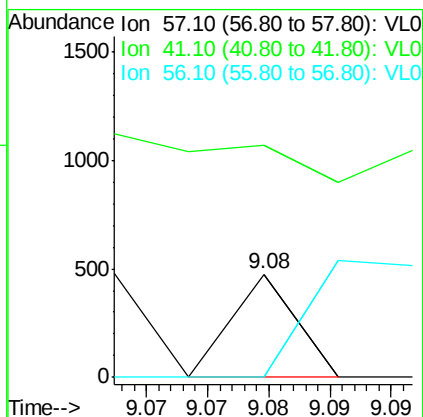
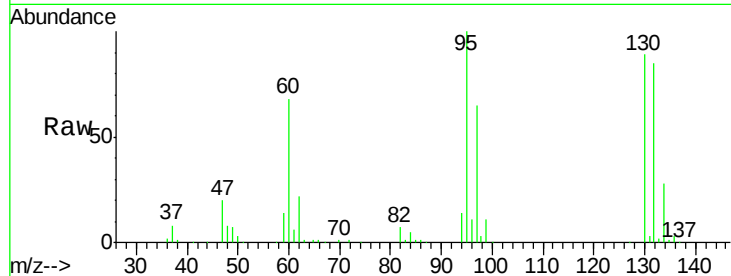




#44
2,2,4-Trimethylpentane
Concen: 0.00 ppbv
RT: 9.08 min Scan# 983
Delta R.T. -0.01 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

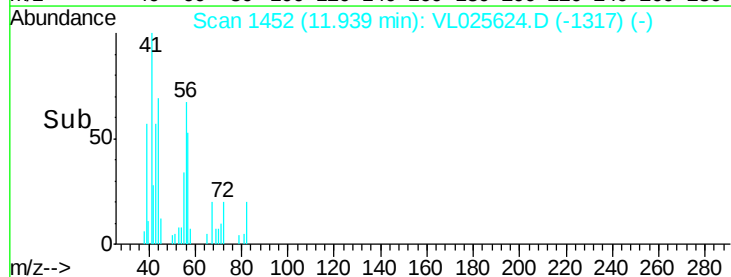
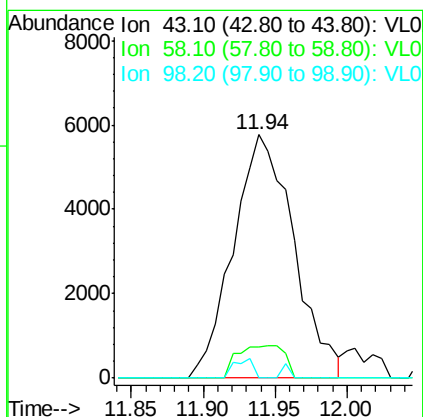
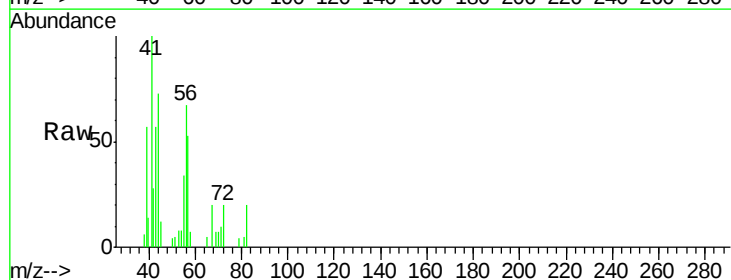
Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDSTREAM-070115DL2

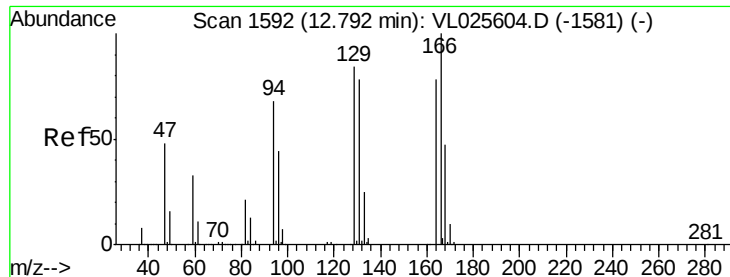
Tgt Ion: 57 Resp: 174
Ion Ratio Lower Upper
57 100
41 0.0 31.2 46.8#
56 421.8 25.4 38.2#



#51
2-Hexanone
Concen: 0.14 ppbv
RT: 11.94 min Scan# 1452
Delta R.T. 0.32 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 43 Resp: 16806
Ion Ratio Lower Upper
43 100
58 10.4 39.0 58.6#
98 3.3 0.2 0.4#





#52

Tetrachloroethene

Concen: 0.01 ppbv

RT: 12.80 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

DIN46-MIDSTREAM-070115DL2

Tgt Ion: 164 Resp: 1155

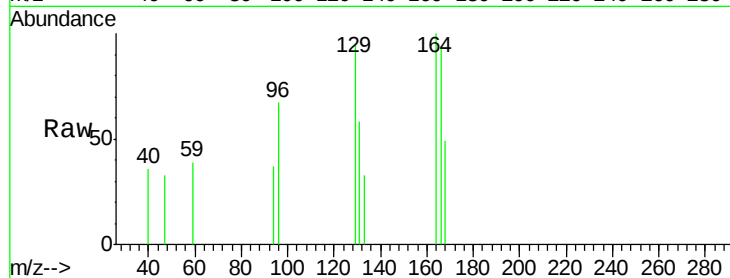
Ion Ratio Lower Upper

164 100

166 32.0 102.3 153.5#

129 94.7 86.2 129.4

131 26.8 80.3 120.5#

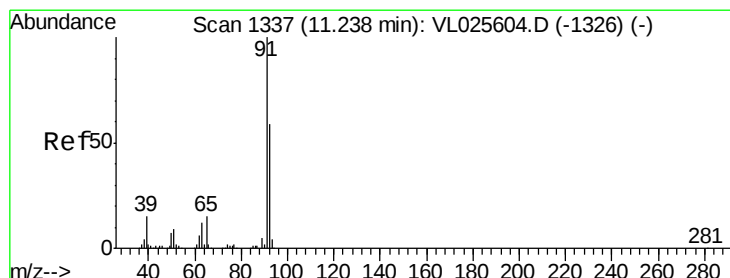
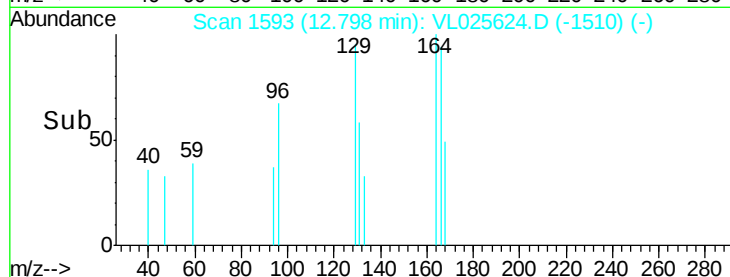
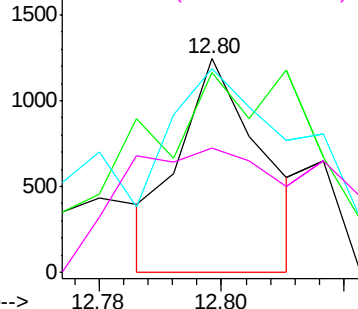


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.00 ppbv

RT: 11.23 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VL025624.D

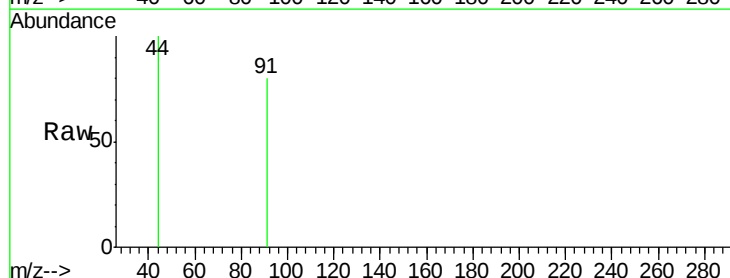
Acq: 8 Jul 2015 1:56

Tgt Ion: 91 Resp: 164

Ion Ratio Lower Upper

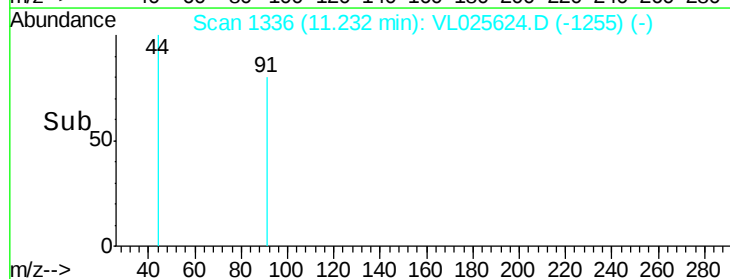
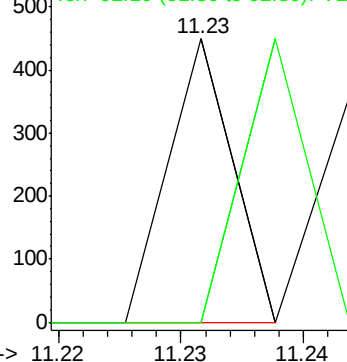
91 100

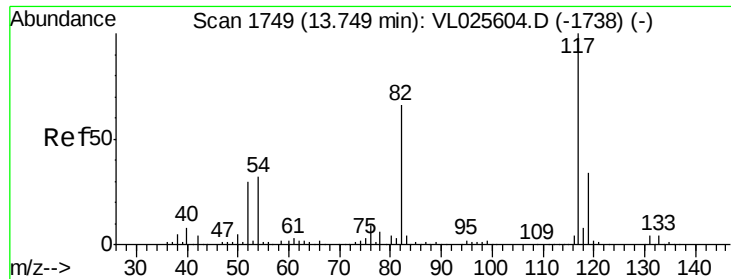
92 0.0 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

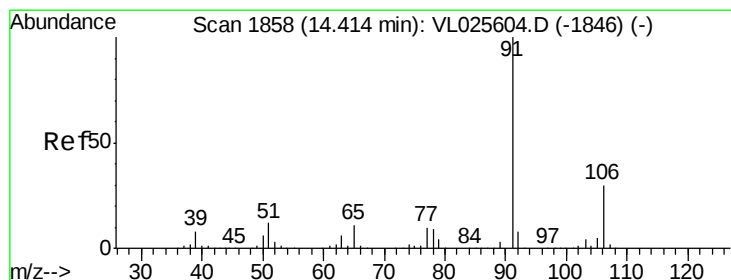
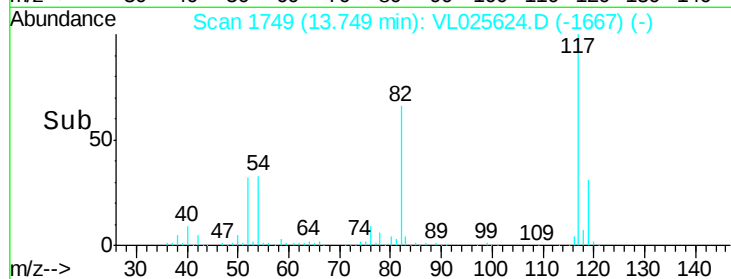
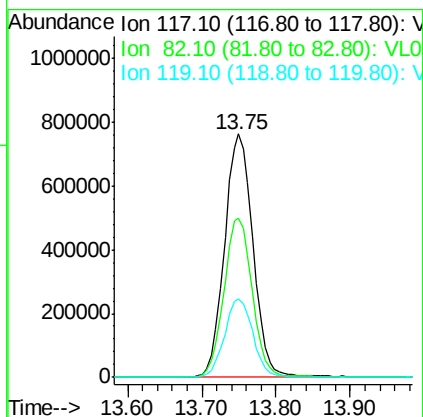
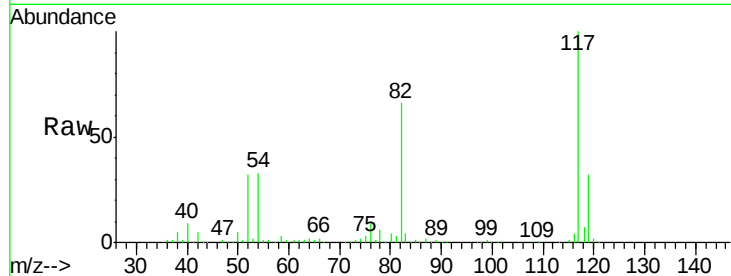




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

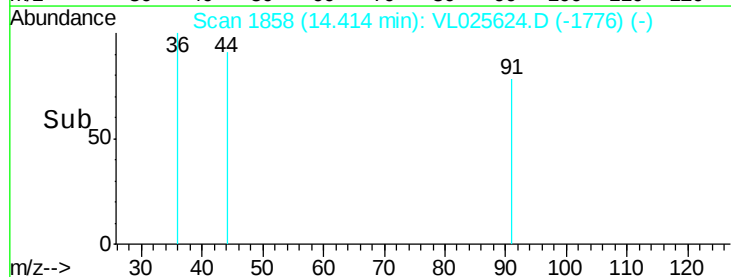
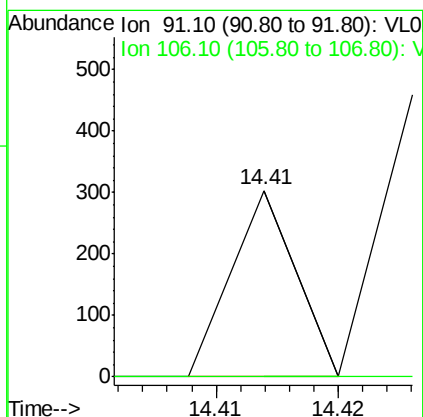
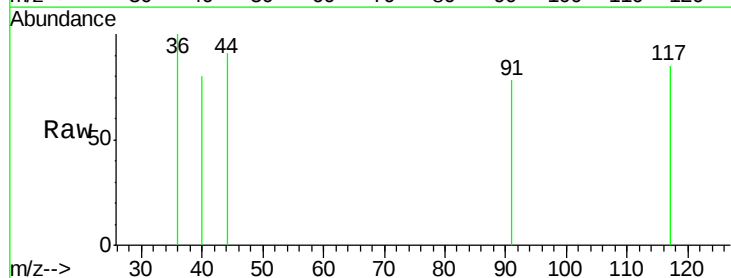
Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDSTREAM-070115DL2

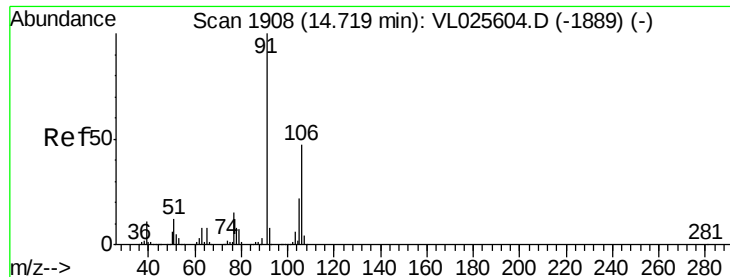
Tgt Ion: 117 Resp: 2039076
Ion Ratio Lower Upper
117 100
82 66.0 50.5 75.7
119 32.4 45.1 67.7#



#58
Ethyl Benzene
Concen: 0.00 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 91 Resp: 111
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.2#

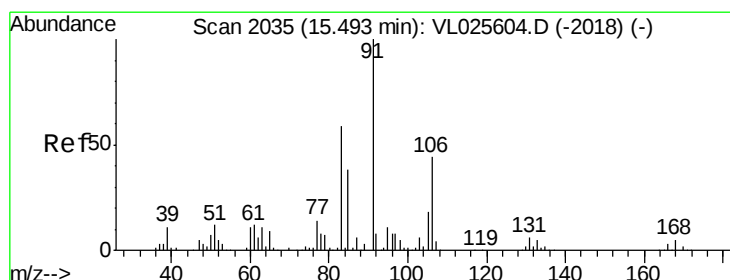
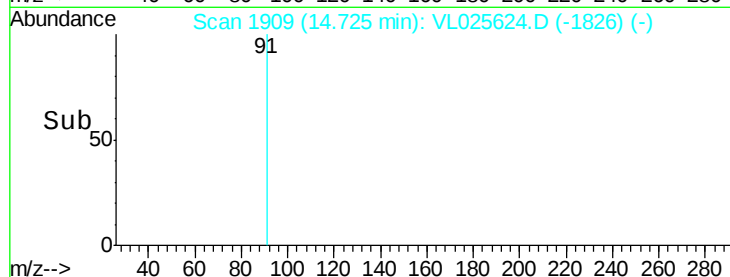
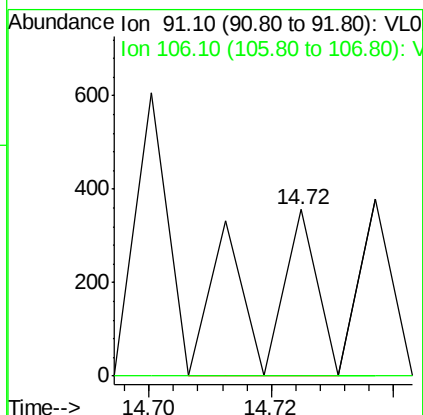
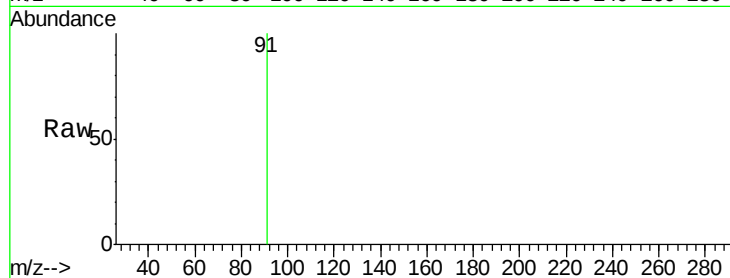




#59
m/p-Xylene
Concen: 0.00 ppbv
RT: 14.72 min Scan# 1909
Delta R.T. 0.01 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

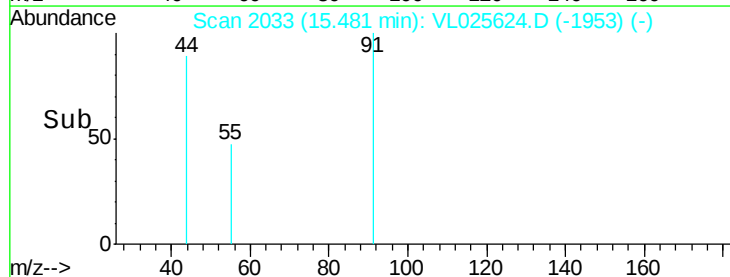
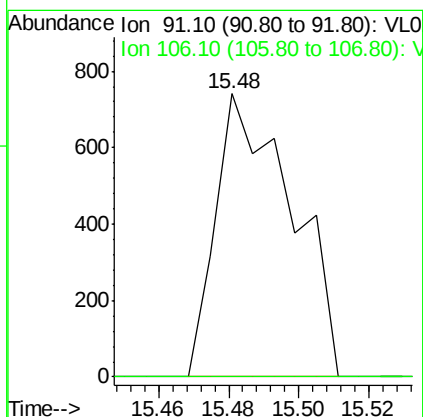
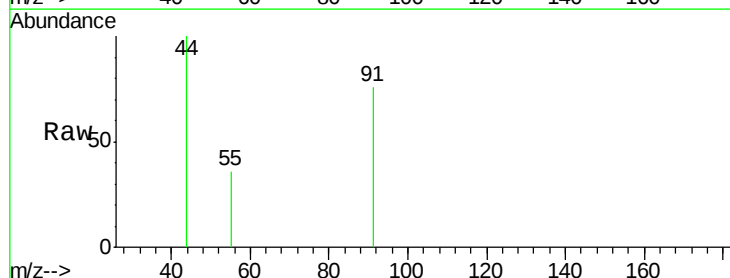
Instrument :
MSVOA_L
ClientSampleId :
DIN46-MIDSTREAM-070115DL2

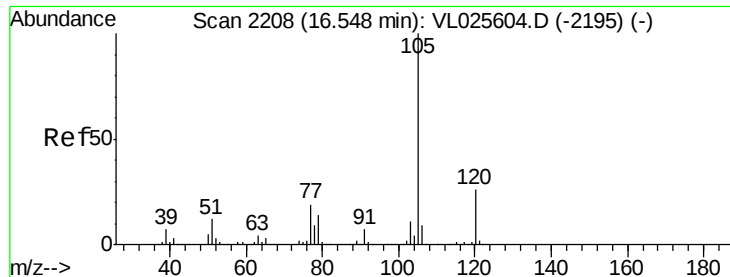
Tgt Ion: 91 Resp: 252
Ion Ratio Lower Upper
91 100
106 0.0 37.9 56.9#



#60
o-Xylene
Concen: 0.00 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.01 min
Lab File: VL025624.D
Acq: 8 Jul 2015 1:56

Tgt Ion: 91 Resp: 1121
Ion Ratio Lower Upper
91 100
106 0.0 22.1 66.1#





#62

Isopropylbenzene

Concen: 0.00 ppbv

RT: 16.30 min Scan# 2168

Delta R.T. -0.24 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

Instrument :

MSVOA_L

ClientSampleId :

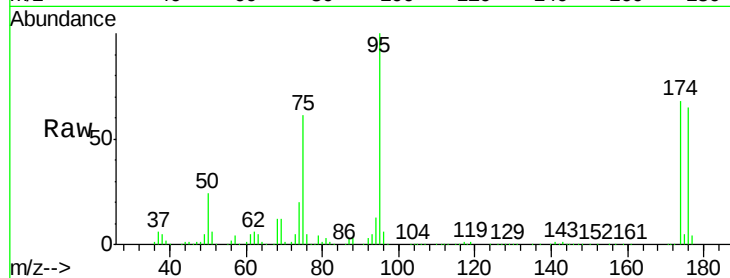
DIN46-MIDSTREAM-070115DL2

Tgt Ion: 105 Resp: 523

Ion Ratio Lower Upper

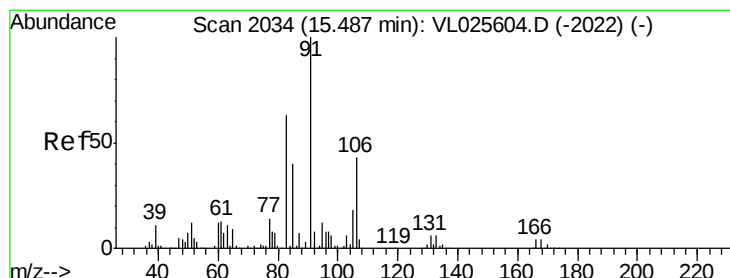
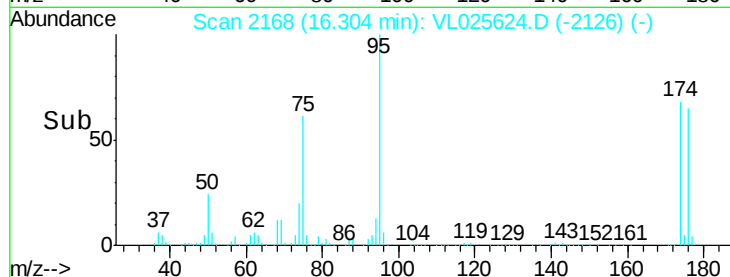
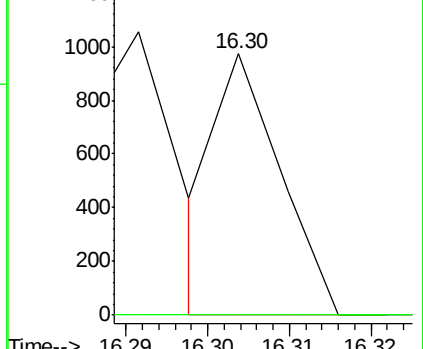
105 100

120 0.0 20.6 31.0#



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: 0.00 ppbv

RT: 15.37 min Scan# 2015

Delta R.T. -0.12 min

Lab File: VL025624.D

Acq: 8 Jul 2015 1:56

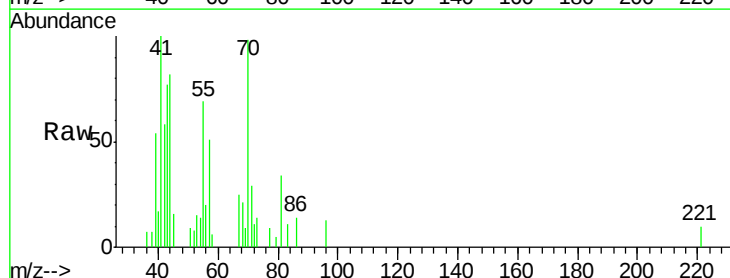
Tgt Ion: 83 Resp: 243

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

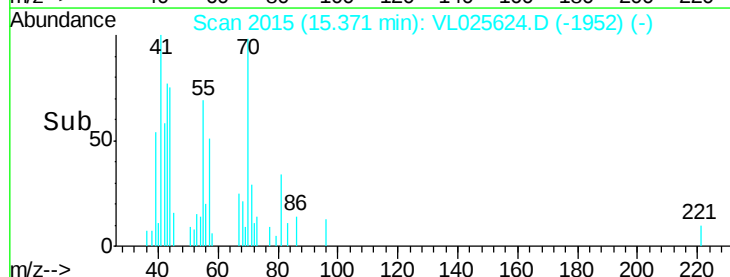
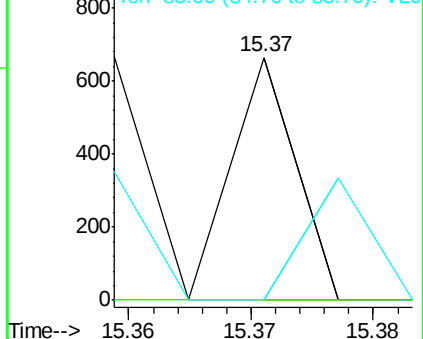
85 0.0 32.4 97.2#

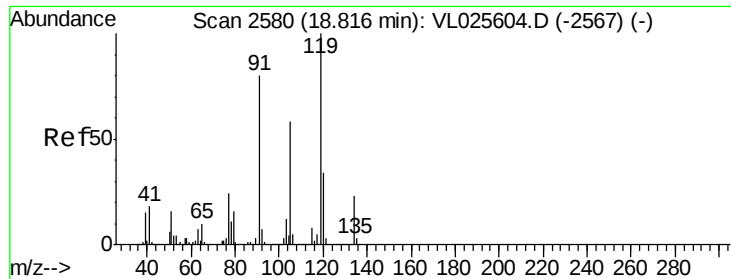


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

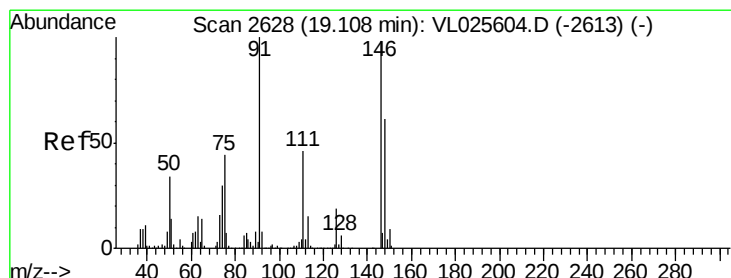
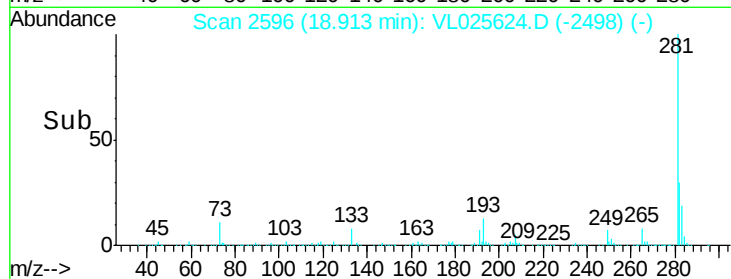
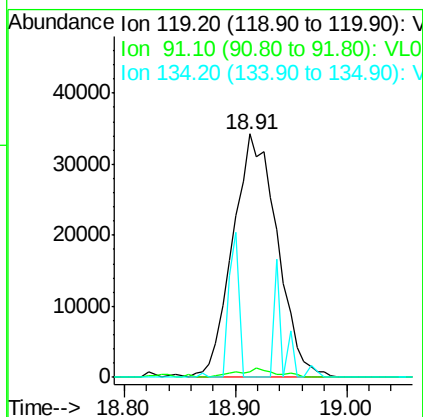
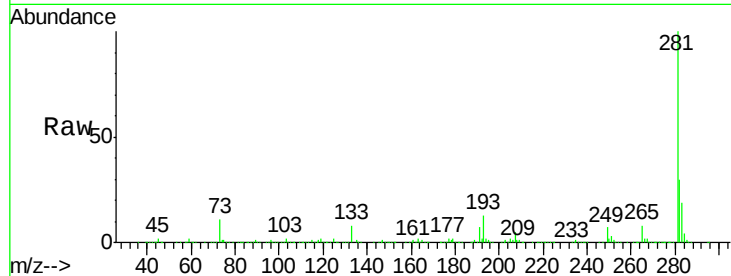




#65
 tert-Butylbenzene
 Concen: 0.23 ppbv
 RT: 18.91 min Scan# 2596
 Delta R.T. 0.10 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

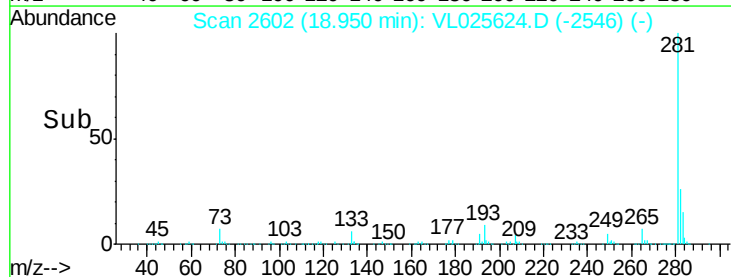
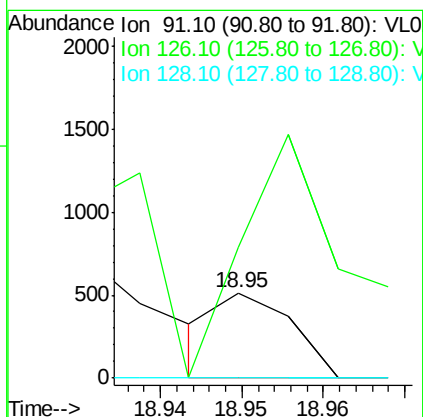
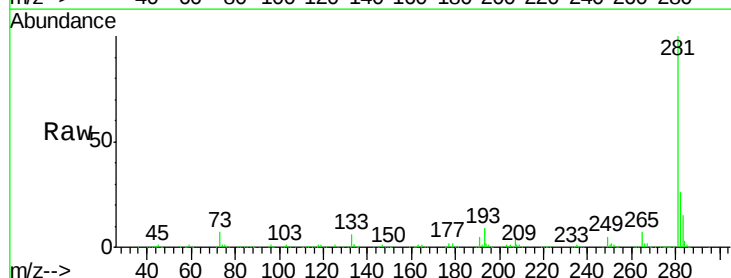
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

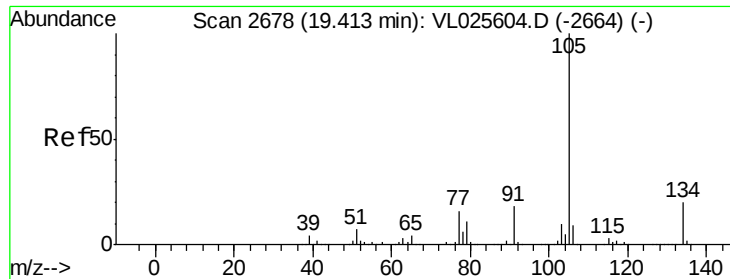
Tgt Ion: 119 Resp: 95218
 Ion Ratio Lower Upper
 119 100
 91 3.2 64.5 96.7#
 134 23.4 17.4 26.0



#66
 Benzyl Chloride
 Concen: 0.00 ppbv
 RT: 18.95 min Scan# 2602
 Delta R.T. -0.16 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion: 91 Resp: 325
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.5 21.7#
 128 0.0 4.6 7.0#

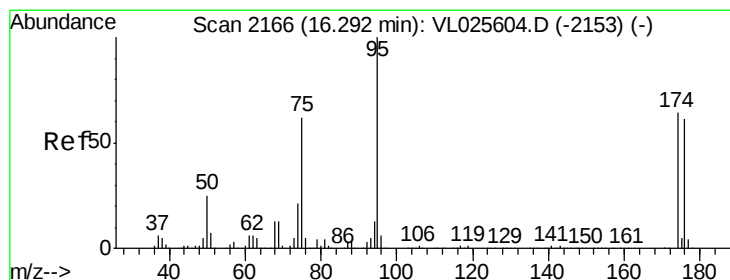
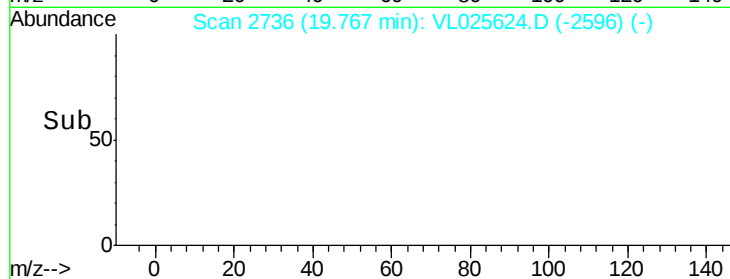
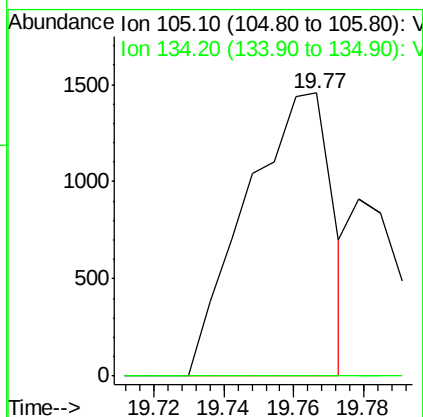
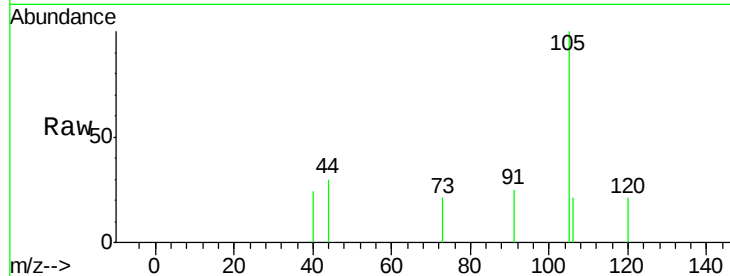




#67
 sec-Butylbenzene
 Concen: 0.00 ppbv
 RT: 19.77 min Scan# 2736
 Delta R.T. 0.35 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

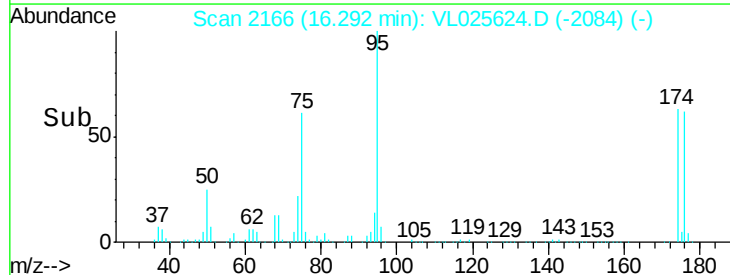
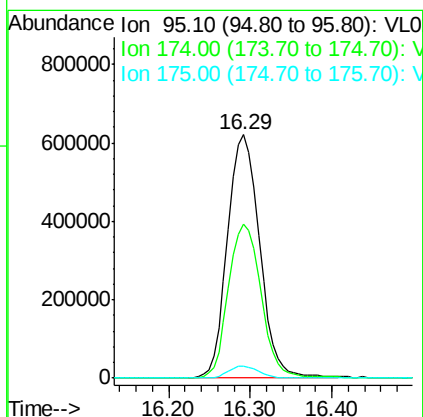
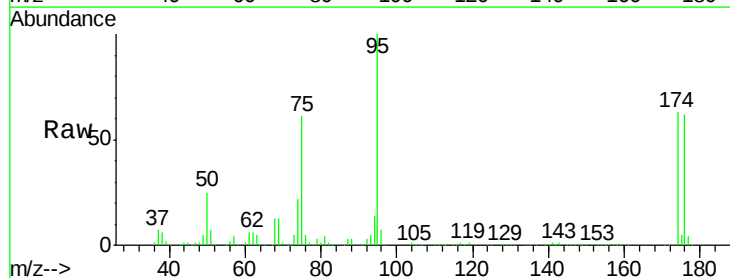
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

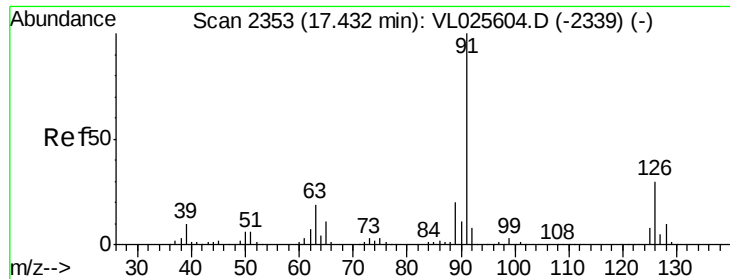
Tgt Ion: 105 Resp: 2499
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.89 ppbv
 RT: 16.29 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion: 95 Resp: 1701831
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.0 78.0
 175 4.9 3.9 5.9

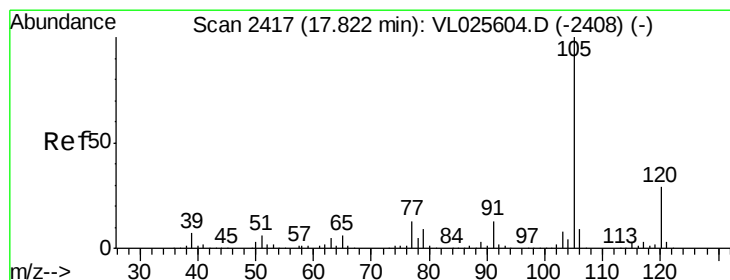
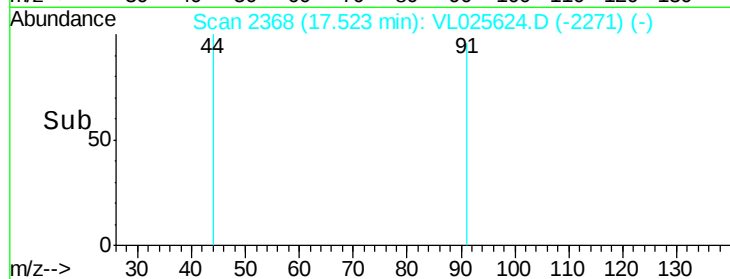
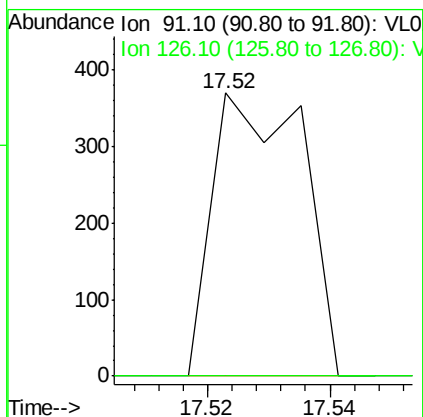
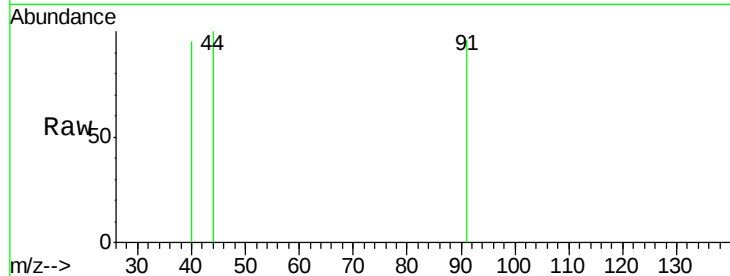




#71
 2-Chlorotoluene
 Concen: 0.00 ppbv
 RT: 17.52 min Scan# 2368
 Delta R.T. 0.09 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

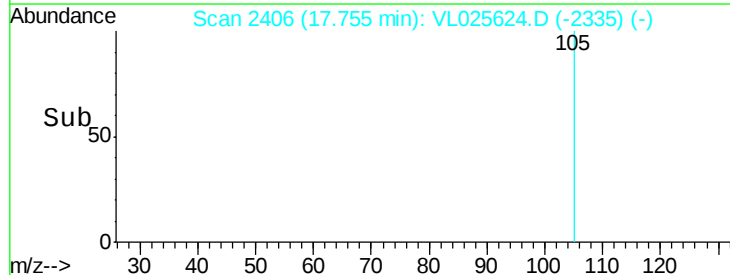
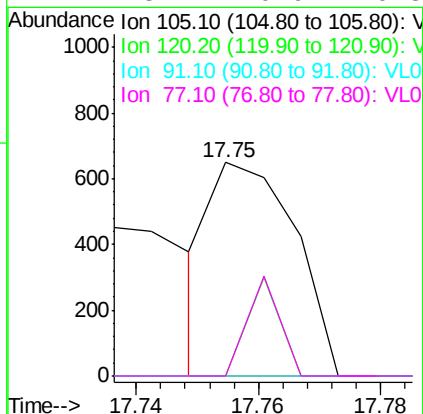
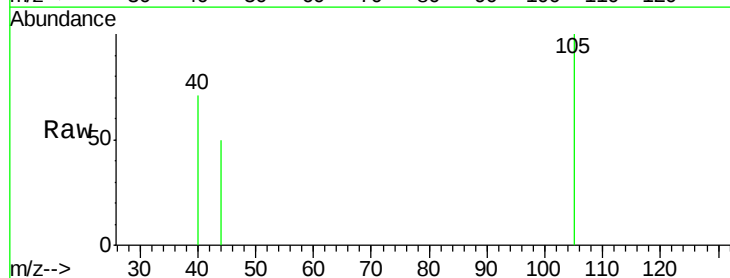
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

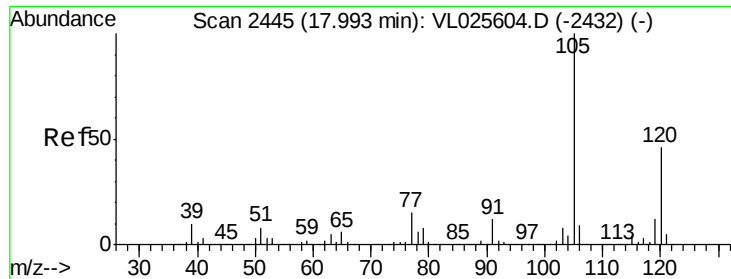
Tgt Ion: 91 Resp: 376
 Ion Ratio Lower Upper
 91 100
 126 0.0 12.2 49.0#



#72
 4-Ethyltoluene
 Concen: 0.00 ppbv
 RT: 17.75 min Scan# 2406
 Delta R.T. -0.07 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion: 105 Resp: 613
 Ion Ratio Lower Upper
 105 100
 120 17.9 23.9 35.9#
 91 0.0 10.3 15.5#
 77 18.1 10.9 16.3#

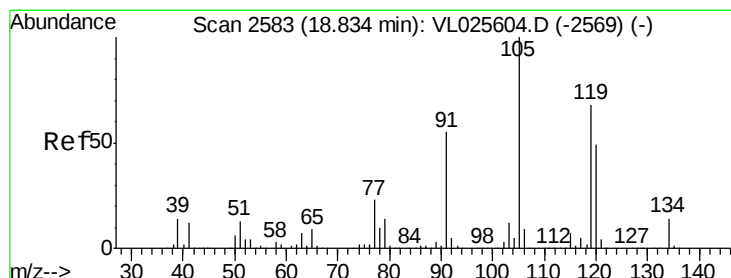
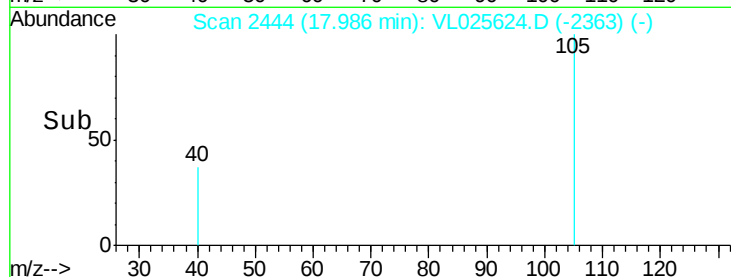
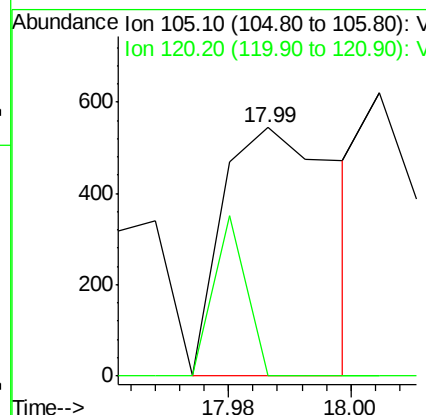
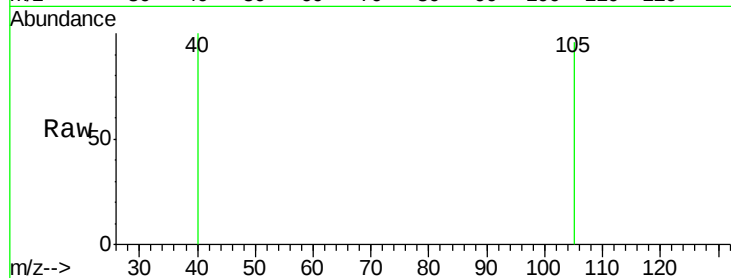




#73
 1,3,5-Trimethylbenzene
 Concen: 0.00 ppbv
 RT: 17.99 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

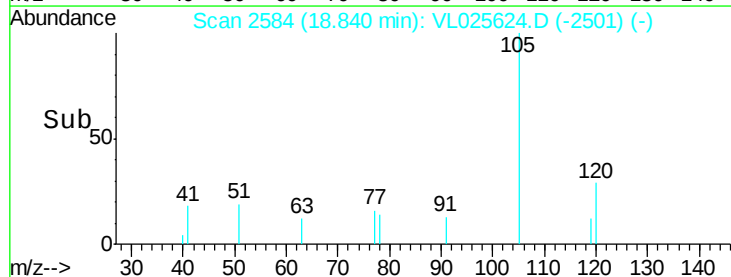
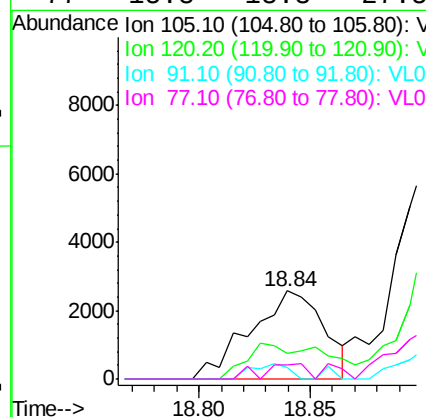
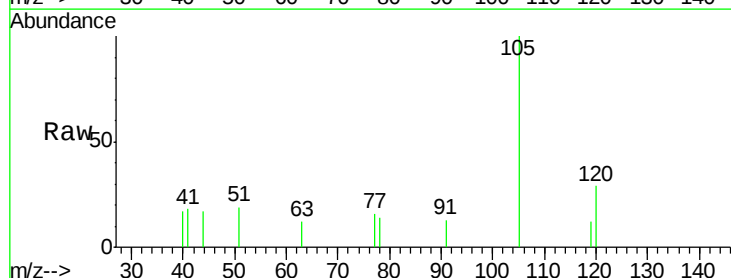
Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

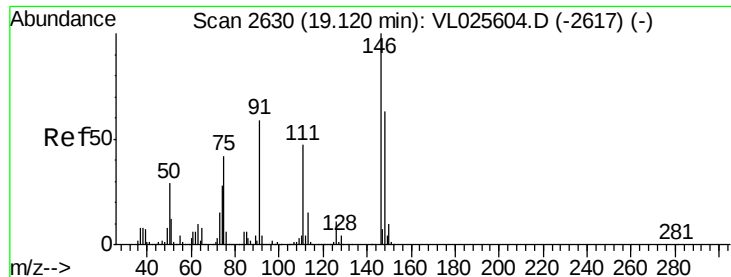
Tgt Ion:105 Resp: 716
 Ion Ratio Lower Upper
 105 100
 120 0.0 37.0 55.4#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.02 ppbv
 RT: 18.84 min Scan# 2584
 Delta R.T. 0.01 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion:105 Resp: 5918
 Ion Ratio Lower Upper
 105 100
 120 28.9 39.3 58.9#
 91 13.5 43.8 65.6#
 77 15.8 18.3 27.5#

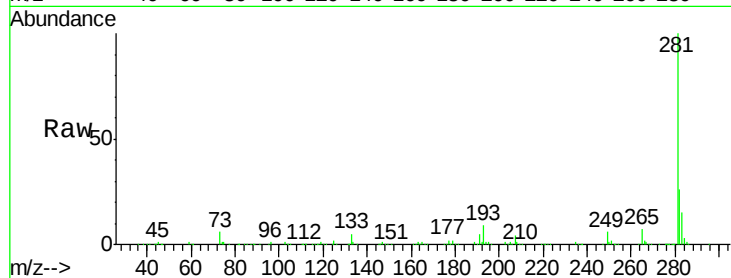




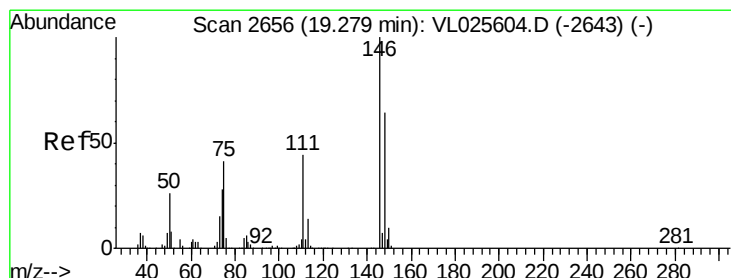
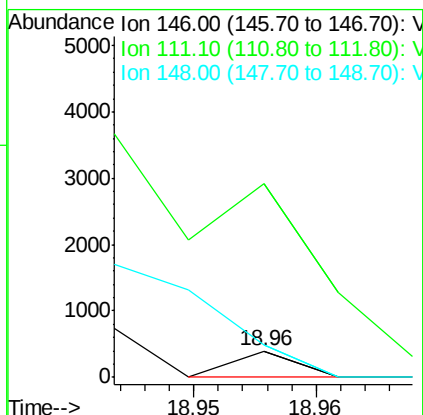
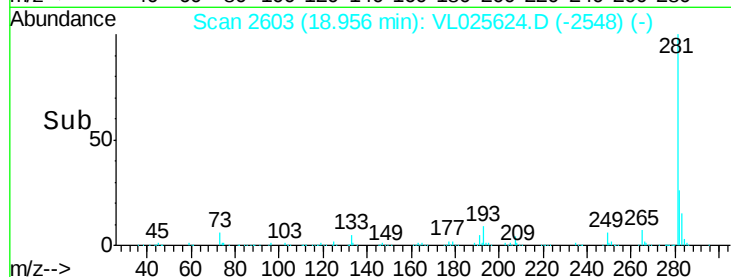
#75
 1,3-Dichlorobenzene
 Concen: 0.00 ppbv
 RT: 18.96 min Scan# 2603
 Delta R.T. -0.16 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-MIDSTREAM-070115DL2

Tgt Ion:146 Resp: 143
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.7 68.1#
 148 0.0 31.8 95.3#

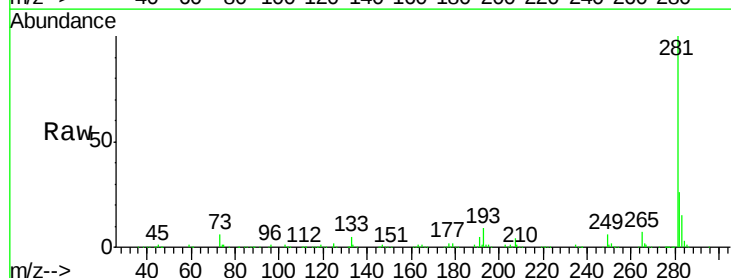


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 0.00 ppbv
 RT: 18.96 min Scan# 2603
 Delta R.T. -0.32 min
 Lab File: VL025624.D
 Acq: 8 Jul 2015 1:56

Tgt Ion:146 Resp: 143
 Ion Ratio Lower Upper
 146 100
 111 0.0 22.1 66.1#
 148 0.0 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

