

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\
 Data File : VL031893.D
 Acq On : 20 Apr 2018 00:52
 Operator : SY/AP
 Sample : VL0419ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Quant Time: Apr 20 08:02:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1197914	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2721274	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	3446522	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.73	95	2312370	8.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.16	85	2075042	8.40	ppbv	98
3) Chlorodifluoromethane	3.10	51	1041127	7.47	ppbv	99
4) Chloromethane	3.26	50	606059	8.52	ppbv	100
5) Vinyl Chloride	3.39	62	665762	8.31	ppbv	96
6) Bromomethane	3.61	94	447893	8.51	ppbv	100
7) Chloroethane	3.70	64	266499	8.35	ppbv	99
8) Dichlorotetrafluoroethane	3.31	85	1731413	8.53	ppbv	98
9) Propene	3.12	41	442757	9.19	ppbv	100
10) Heptane	8.39	43	1556425	9.96	ppbv	100
11) Trichlorofluoromethane	4.11	101	2096057	8.65	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1297229	8.24	ppbv	100
13) Ethanol	3.75	45	121138	7.41	ppbv	96
14) Bromoethene	3.89	108	525696	8.86	ppbv	98
15) Acetone	4.01	43	1353055	7.34	ppbv	99
16) 1,3-Butadiene	3.46	39	626504	9.18	ppbv	97
17) tert-Butyl alcohol	4.47	59	527448	6.92	ppbv	99
18) 1,1-Dichloroethene	4.46	96	569093	8.42	ppbv	99
19) Isopropyl Alcohol	4.13	45	826301	8.02	ppbv	100
20) Methylene Chloride	4.52	84	545872	8.13	ppbv	93
21) Allyl Chloride	4.59	41	899998	8.54	ppbv	99
22) trans-1,2-Dichloroethene	5.08	96	614068	8.76	ppbv	95
23) Vinyl Acetate	5.28	43	1652773	8.84	ppbv	99
24) 1,1-Dichloroethane	5.21	63	1581852	8.49	ppbv	100
25) Ethyl Acetate	5.89	43	2584655	8.99	ppbv	99
26) Hexane	5.91	57	1234252	9.21	ppbv	98
27) Carbon Disulfide	4.74	76	1611800	9.26	ppbv	99
28) Methyl tert-Butyl Ether	5.23	73	1473978	8.93	ppbv	100
29) Chloroform	5.98	83	1985019	8.73	ppbv	99
30) Cyclohexane	7.39	84	956819	9.99	ppbv	100
31) cis-1,2-Dichloroethene	5.77	61	1121376	9.23	ppbv	95
32) 1,1,1-Trichloroethane	6.76	97	1955694	8.84	ppbv	99
34) 2-Butanone	5.45	43	1578242	8.36	ppbv	99
35) Carbon Tetrachloride	7.27	117	2048457	8.67	ppbv	99
36) Benzene	7.14	78	2293642	9.37	ppbv	99
37) 1,2-Dichloroethane	6.55	62	1608362	8.83	ppbv	100
38) Trichloroethene	8.10	130	931863	9.38	ppbv	98
39) 1,2-Dichloropropane	7.88	63	835480	9.18	ppbv	96
40) 1,4-Dioxane	8.09	88	337240	9.13	ppbv	78
41) Tetrahydrofuran	6.28	42	816503	9.34	ppbv	97
42) Bromodichloromethane	8.06	83	2040606	9.36	ppbv	100
43) Methyl Methacrylate	8.27	69	862530	10.01	ppbv	99

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 Data File : VL031893.D
 Acq On : 20 Apr 2018 00:52
 Operator : SY/AP
 Sample : VL0419ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Quant Time: Apr 20 08:02:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

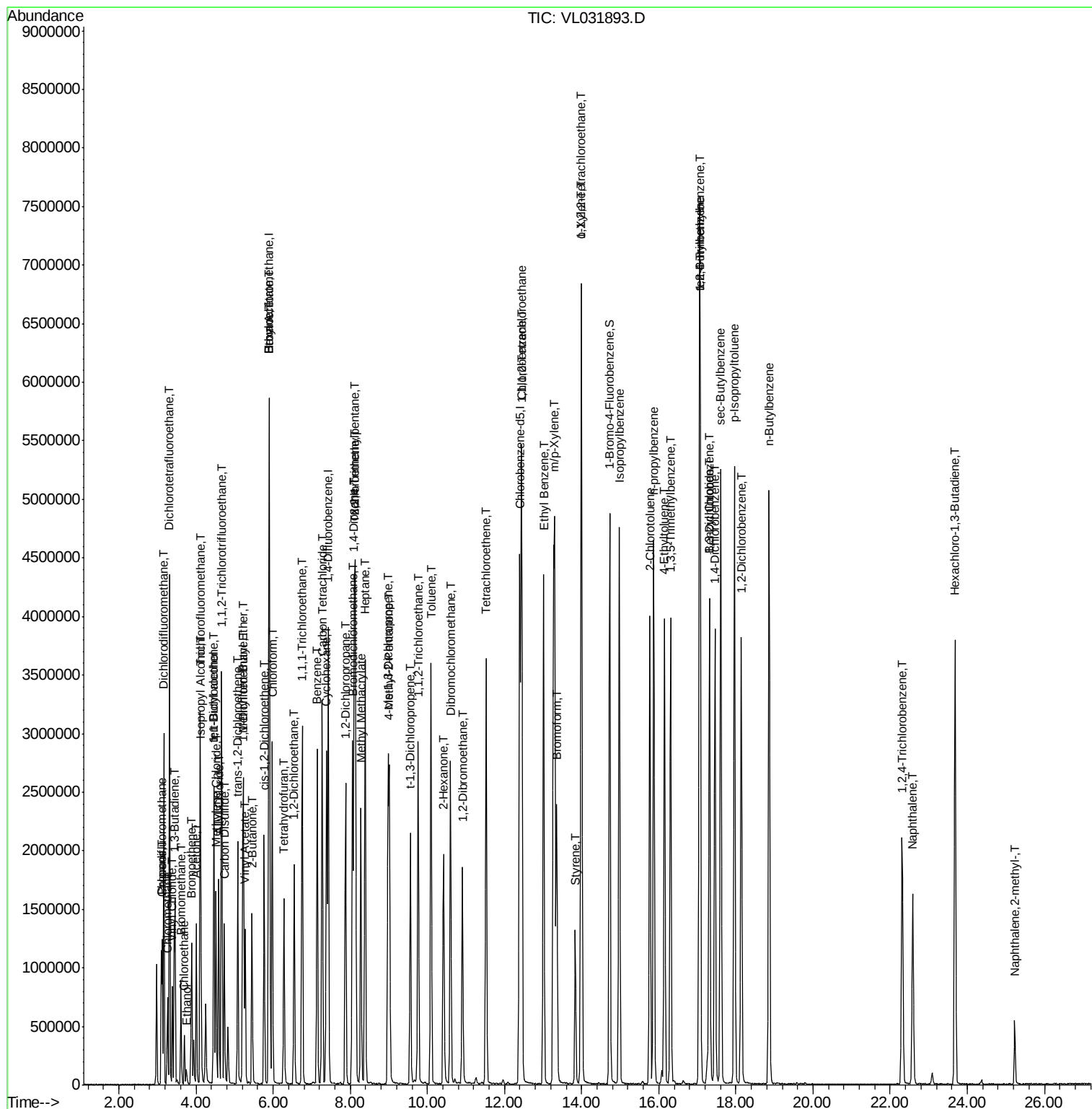
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4032121	9.56	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1211749	10.85	ppbv	100
46) cis-1,3-Dichloropropene	8.98	75	1500157	10.51	ppbv	97
47) 1,1,2-Trichloroethane	9.76	97	997561	9.22	ppbv	95
48) Dibromochloromethane	10.60	129	1718542	9.83	ppbv	100
49) Bromoform	13.36	173	1382799	10.28	ppbv	100
50) 4-Methyl-2-Pentanone	9.01	43	2058659	9.53	ppbv	100
51) 2-Hexanone	10.42	43	1837855	9.73	ppbv	99
52) Tetrachloroethene	11.52	164	872714	9.15	ppbv	97
53) Toluene	10.09	91	2768503	10.14	ppbv	99
54) 1,2-Dibromoethane	10.91	107	1509583	9.62	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.43	131	1205261	7.43	ppbv	100
57) Chlorobenzene	12.45	112	2158917	7.39	ppbv	99
58) Ethyl Benzene	13.01	91	3960092	8.27	ppbv	99
59) m/p-Xylene	13.30	91	3523756	8.48	ppbv #	41
60) o-Xylene	14.00	91	3363359	8.10	ppbv	100
61) Styrene	13.84	104	722793	9.14	ppbv	100
62) Isopropylbenzene	14.97	105	4219557	7.91	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.98	83	2265683	7.09	ppbv	99
64) n-propylbenzene	15.87	120	1041343	8.03	ppbv	100
65) tert-Butylbenzene	17.06	119	3639587	7.93	ppbv	100
66) Benzyl Chloride	17.31	91	202564	4.90	ppbv #	64
67) sec-Butylbenzene	17.61	105	5177619	7.83	ppbv	100
69) p-Isopropyltoluene	17.96	119	4108015	8.02	ppbv	99
70) n-Butylbenzene	18.86	91	4167380	7.81	ppbv	100
71) 2-Chlorotoluene	15.77	91	3125315	8.10	ppbv	100
72) 4-Ethyltoluene	16.15	105	3375930	7.95	ppbv	99
73) 1,3,5-Trimethylbenzene	16.30	105	3082576	7.93	ppbv	98
74) 1,2,4-Trimethylbenzene	17.08	105	3254598	7.50	ppbv	93
75) 1,3-Dichlorobenzene	17.31	146	1951956	7.34	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	1961543	7.60	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1951525	7.45	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	966372	9.61	ppbv	98
79) Naphthalene	22.59	128	1961663	8.03	ppbv	98
80) Naphthalene,2-methyl-	25.23	142	265910	5.58	ppbv	99
81) 1,2,4-Trichlorobenzene	22.31	180	976699	7.21	ppbv	99

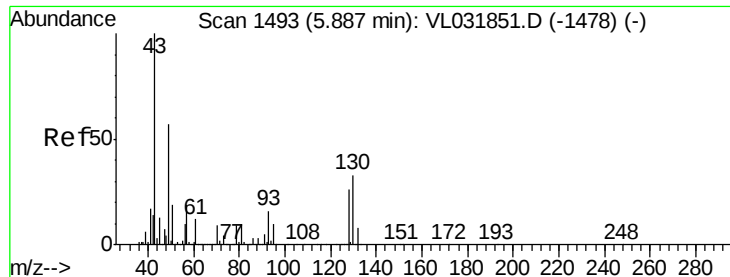
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL041918\  
Data File : VL031893.D  
Acq On    : 20 Apr 2018  00:52  
Operator  : SY/AP  
Sample    : VL0419ABS01  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Quant Time: Apr 20 08:02:30 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

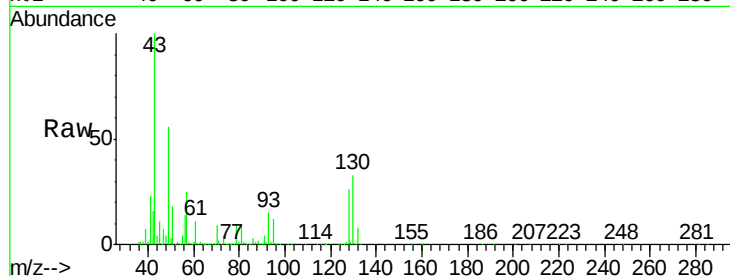
Tgt Ion: 49 Resp: 1197914

Ion Ratio Lower Upper

49 100

128 48.2 23.9 71.7

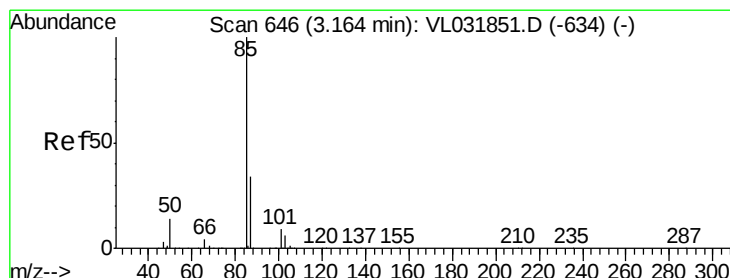
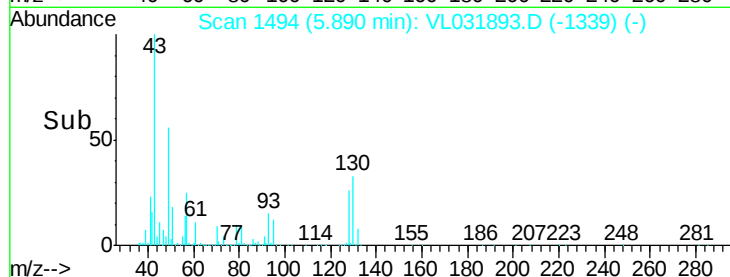
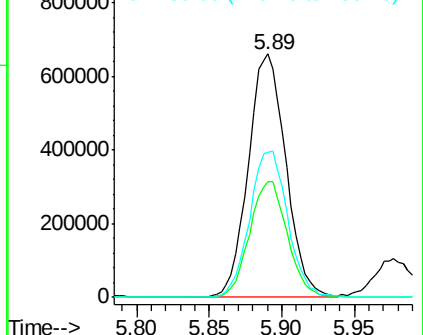
130 61.4 30.9 92.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.40 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031893.D

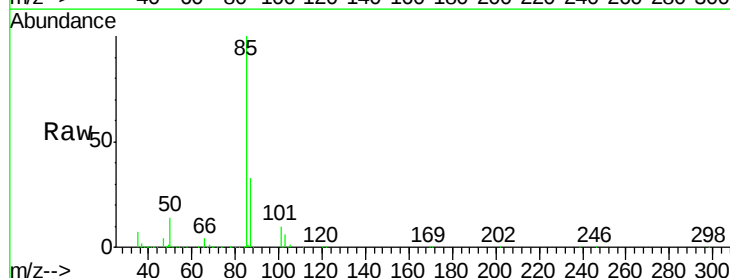
Acq: 20 Apr 2018 00:52

Tgt Ion: 85 Resp: 2075042

Ion Ratio Lower Upper

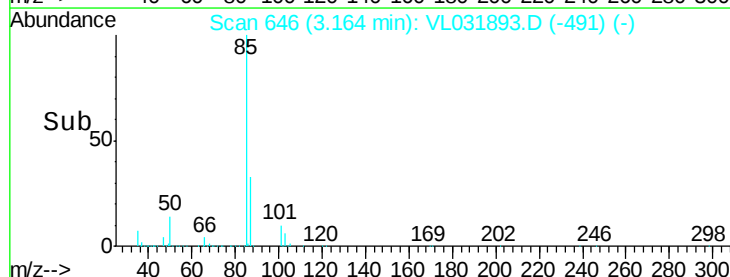
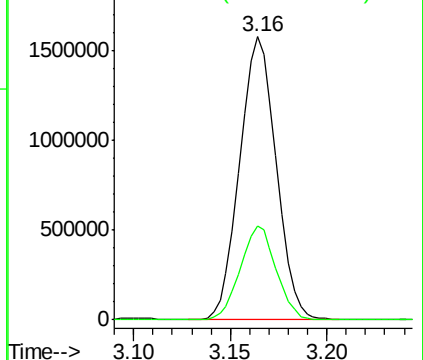
85 100

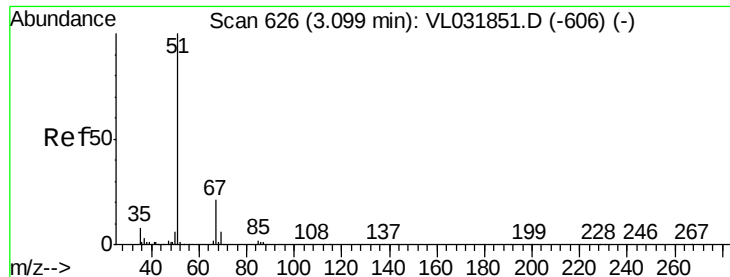
87 33.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.47 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

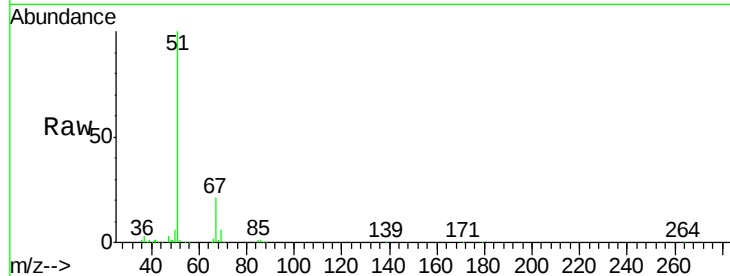
VL0419ABS01

Tgt Ion: 51 Resp: 1041127

Ion Ratio Lower Upper

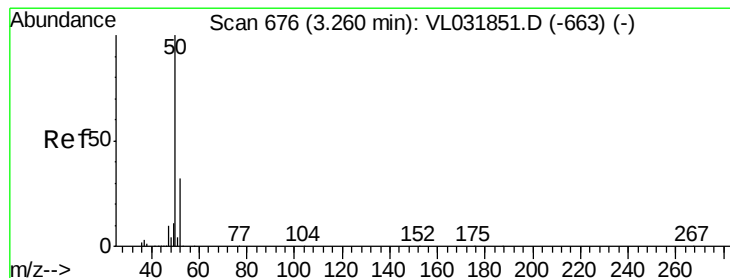
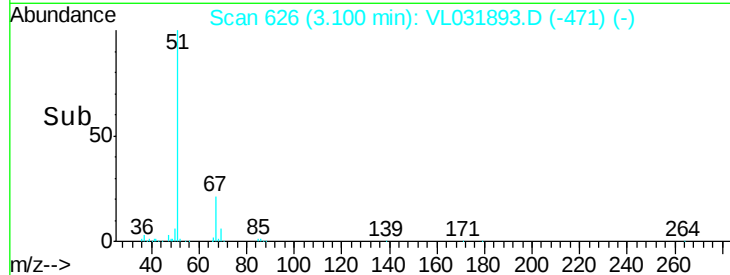
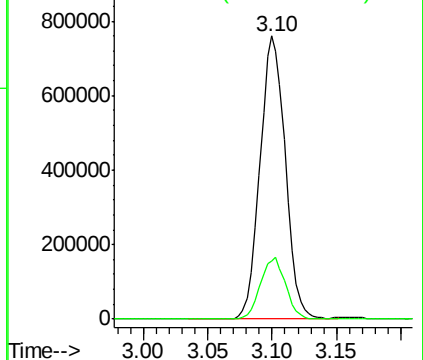
51 100

67 21.6 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.52 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031893.D

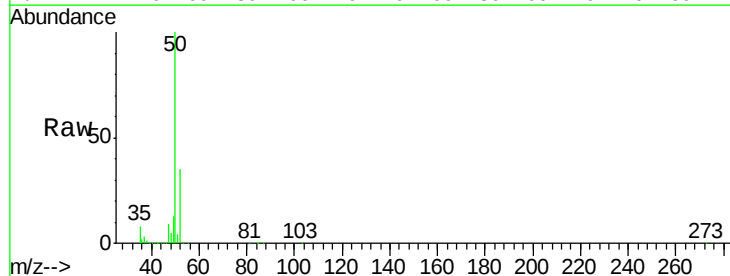
Acq: 20 Apr 2018 00:52

Tgt Ion: 50 Resp: 606059

Ion Ratio Lower Upper

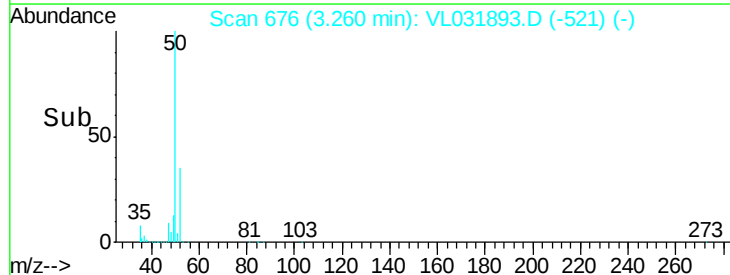
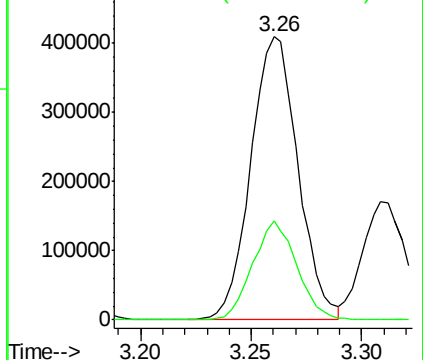
50 100

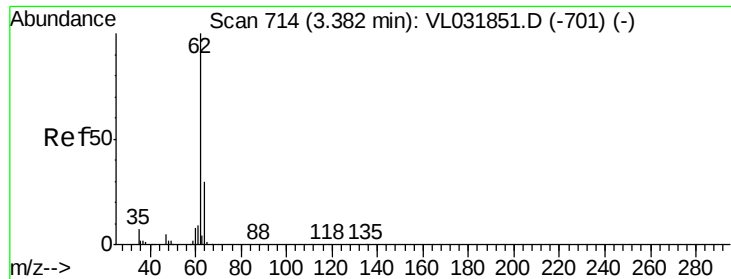
52 35.1 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

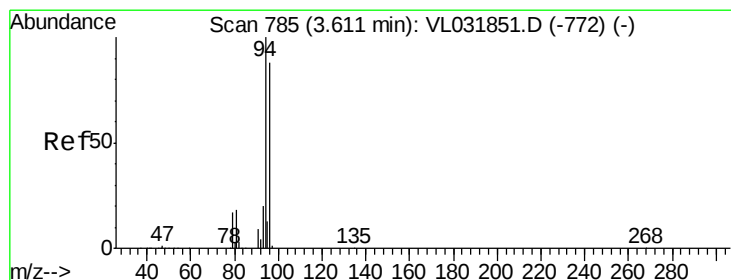
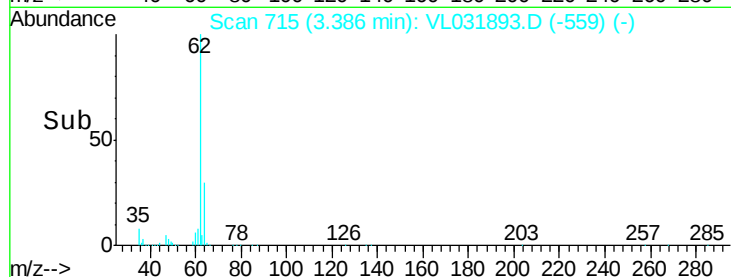
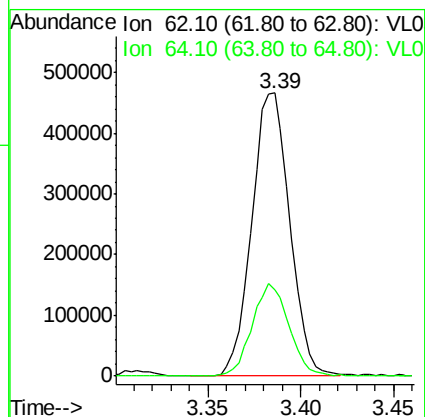
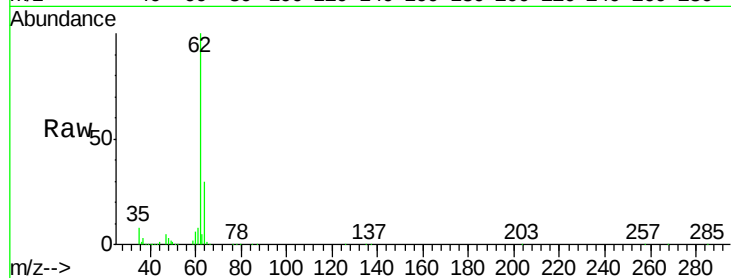
VL0419ABS01

Tgt Ion: 62 Resp: 665762

Ion Ratio Lower Upper

62 100

64 30.3 25.9 38.9



#6

Bromomethane

Concen: 8.51 ppbv

RT: 3.61 min Scan# 785

Delta R.T. -0.00 min

Lab File: VL031893.D

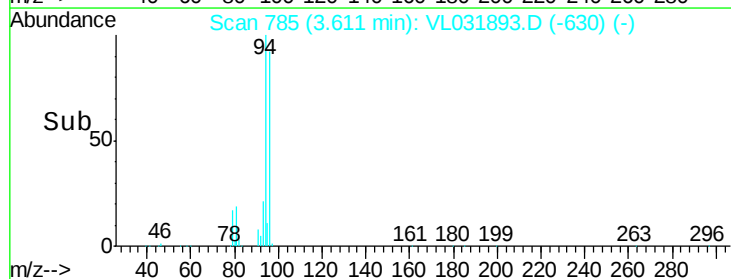
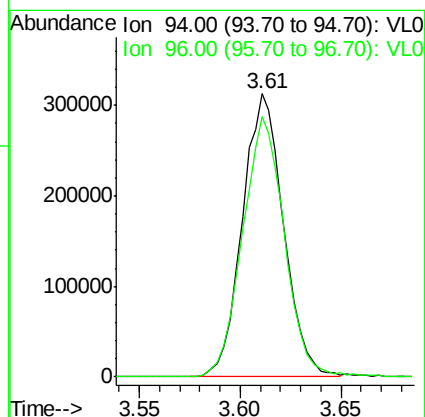
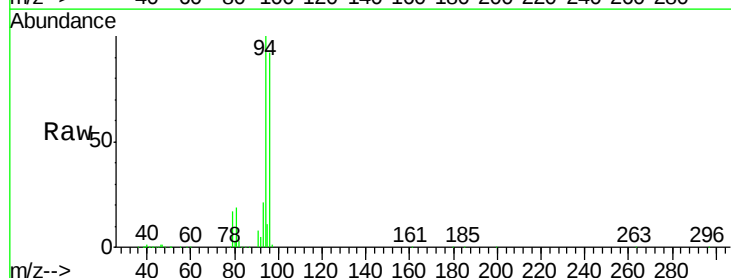
Acq: 20 Apr 2018 00:52

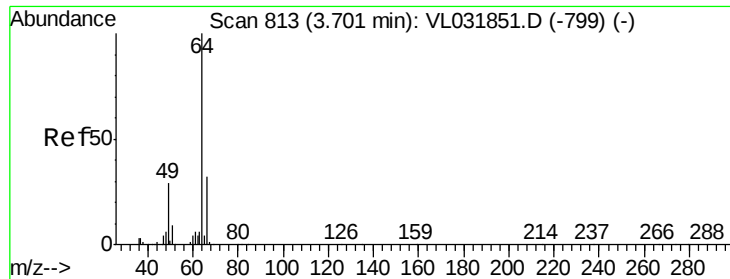
Tgt Ion: 94 Resp: 447893

Ion Ratio Lower Upper

94 100

96 92.1 73.8 110.6





#7

Chloroethane

Concen: 8.35 ppbv

RT: 3.70 min Scan# 812

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

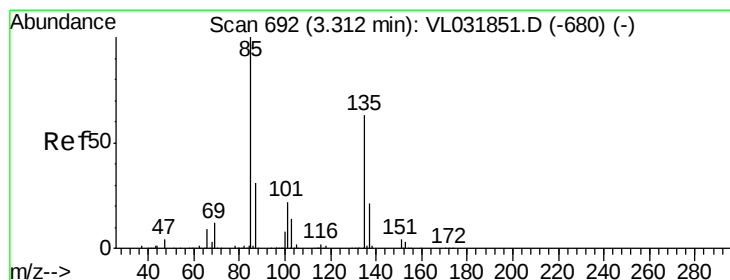
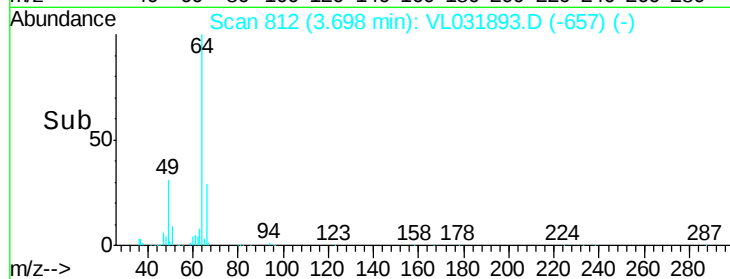
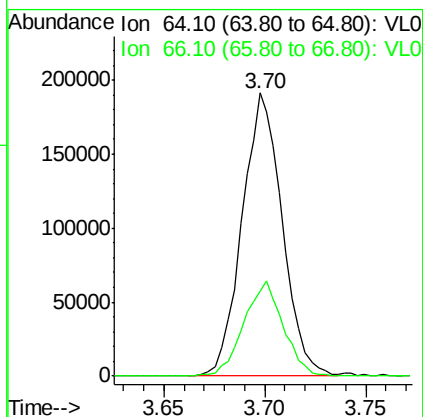
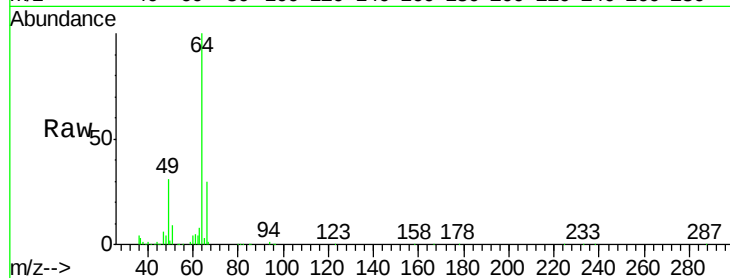
VL0419ABS01

Tgt Ion: 64 Resp: 266499

Ion Ratio Lower Upper

64 100

66 29.8 23.4 35.0



#8

Dichlorotetrafluoroethane

Concen: 8.53 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031893.D

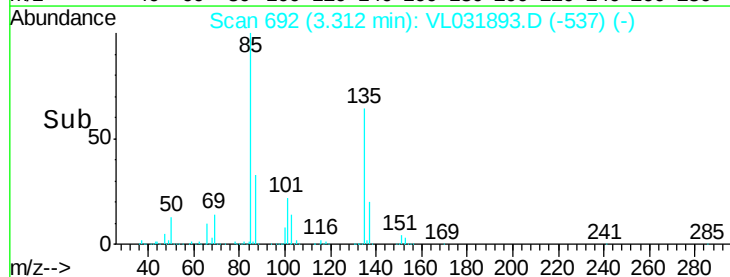
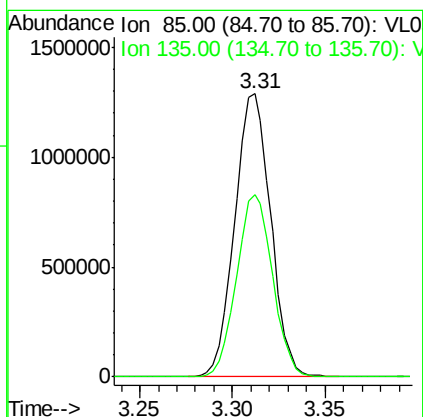
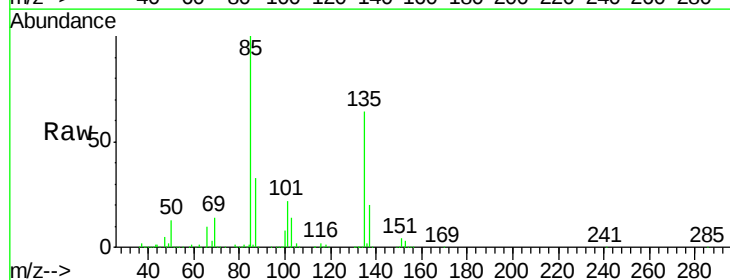
Acq: 20 Apr 2018 00:52

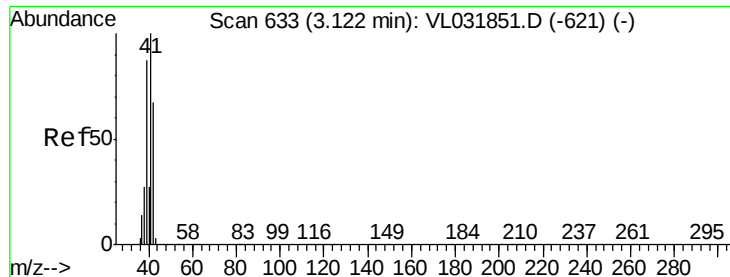
Tgt Ion: 85 Resp: 1731413

Ion Ratio Lower Upper

85 100

135 64.7 52.7 79.1





#9

Propene

Concen: 9.19 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

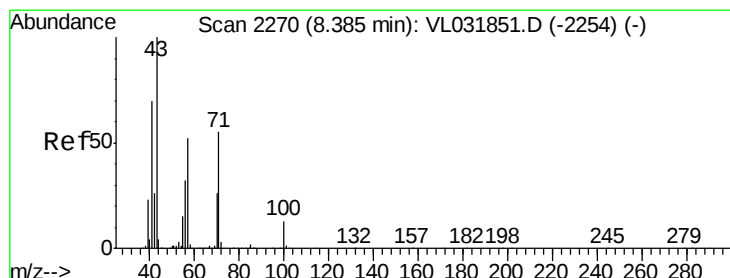
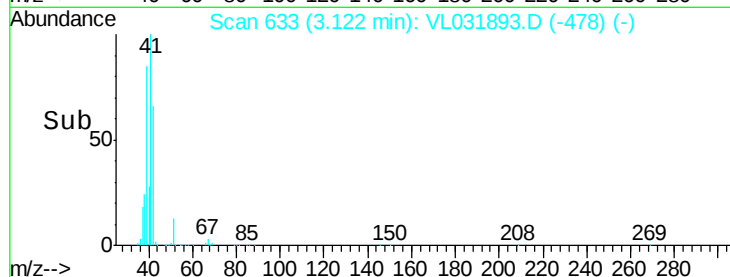
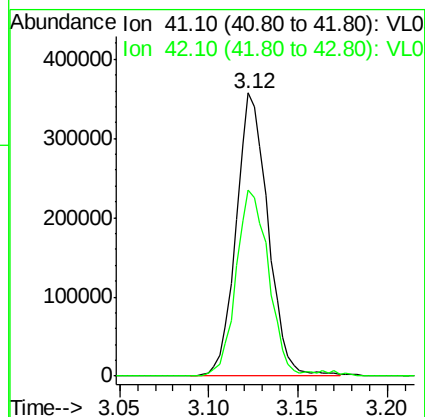
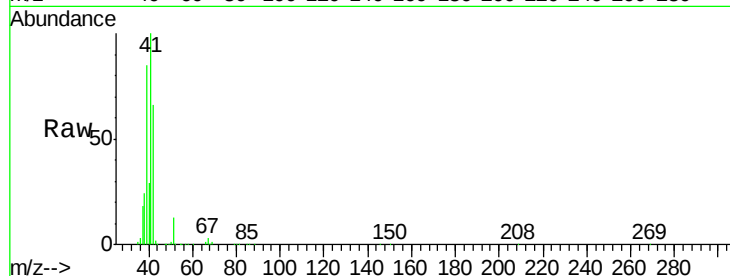
VL0419ABS01

Tgt Ion: 41 Resp: 442757

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4



#10

Heptane

Concen: 9.96 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VL031893.D

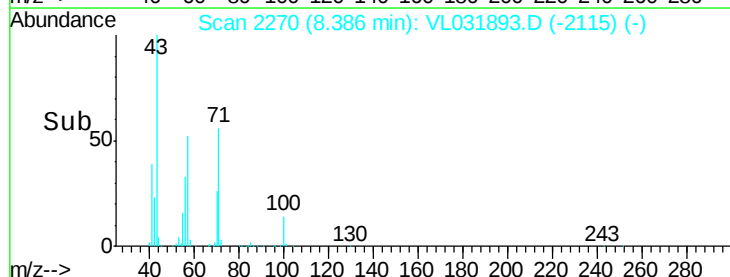
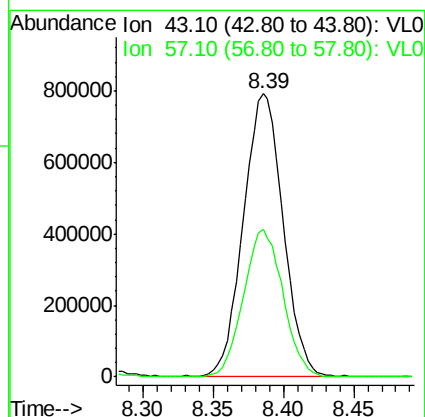
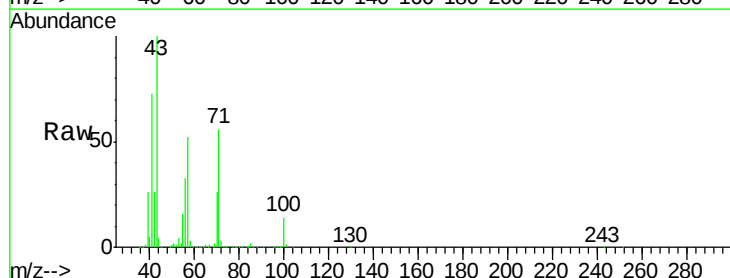
Acq: 20 Apr 2018 00:52

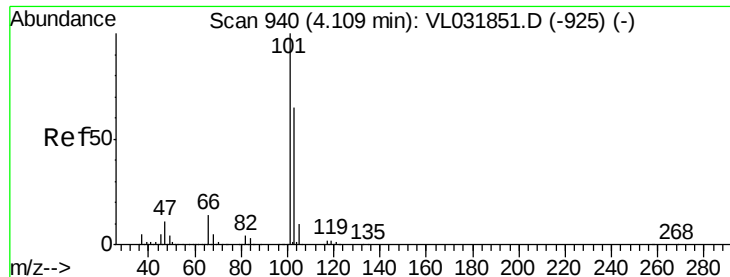
Tgt Ion: 43 Resp: 1556425

Ion Ratio Lower Upper

43 100

57 52.2 41.5 62.3

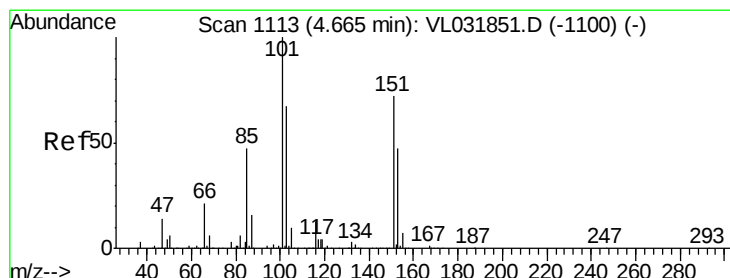
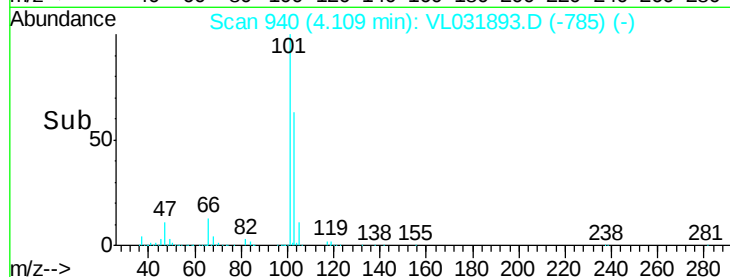
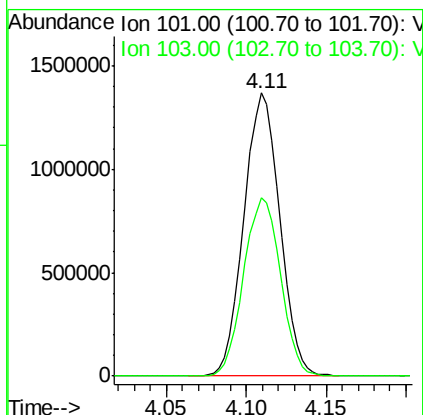
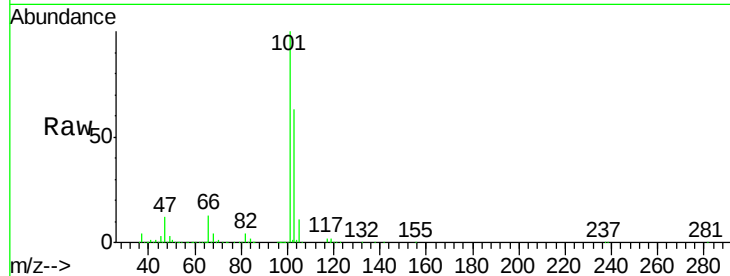




#11
 Trichlorofluoromethane
 Concen: 8.65 ppbv
 RT: 4.11 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

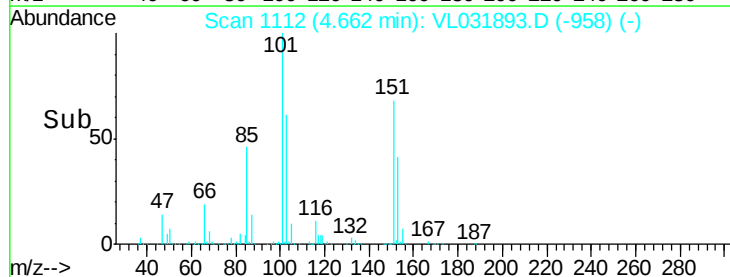
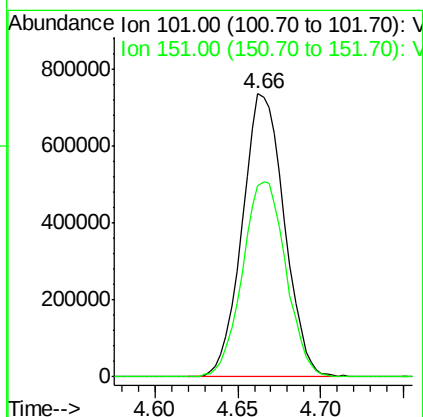
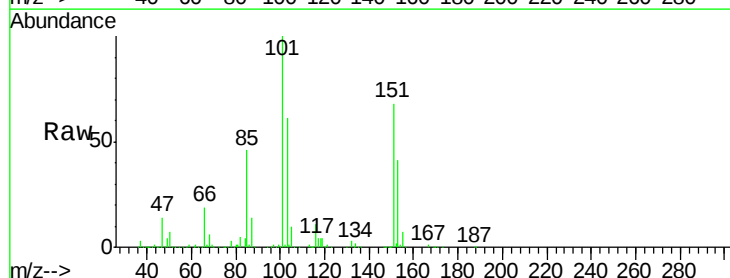
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

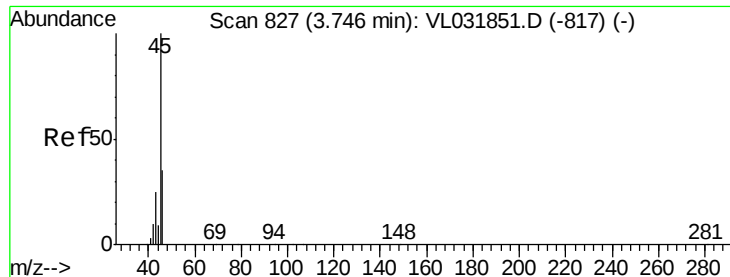
Tgt Ion:101 Resp: 2096057
 Ion Ratio Lower Upper
 101 100
 103 62.9 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.24 ppbv
 RT: 4.66 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:101 Resp: 1297229
 Ion Ratio Lower Upper
 101 100
 151 71.5 57.0 85.6





#13

Ethanol

Concen: 7.41 ppbv

RT: 3.75 min Scan# 829

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

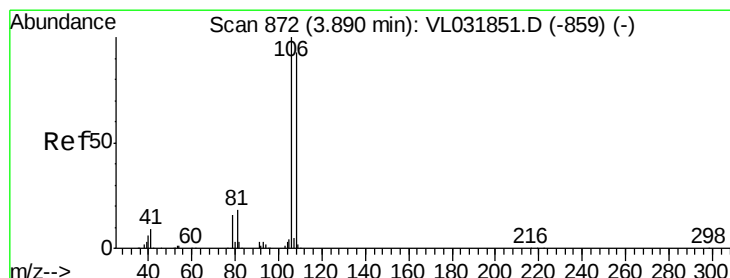
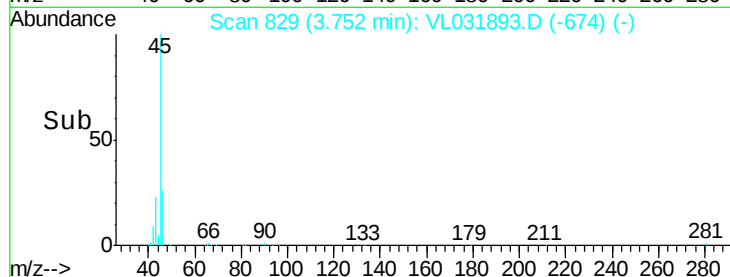
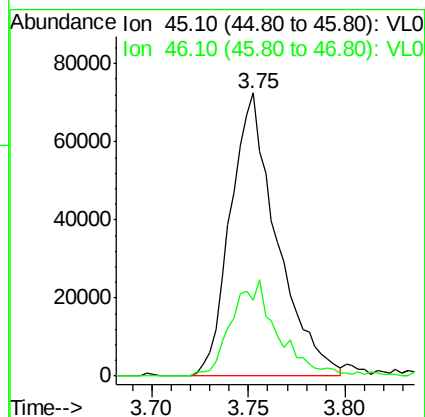
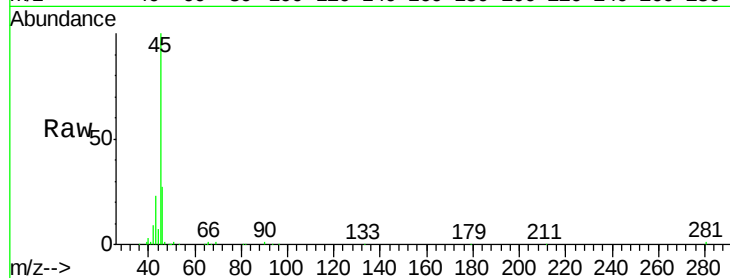
VL0419ABS01

Tgt Ion: 45 Resp: 121138

Ion Ratio Lower Upper

45 100

46 34.2 14.6 58.6



#14

Bromoethene

Concen: 8.86 ppbv

RT: 3.89 min Scan# 872

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

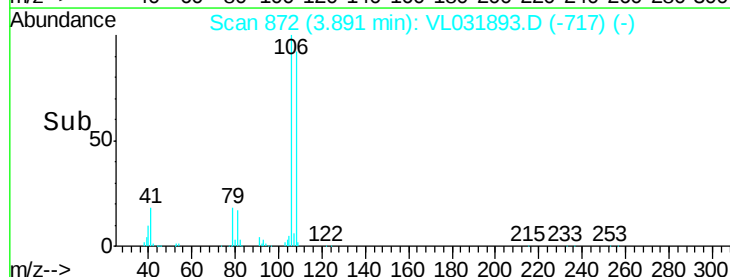
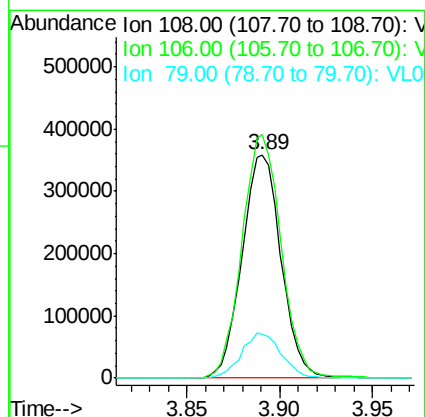
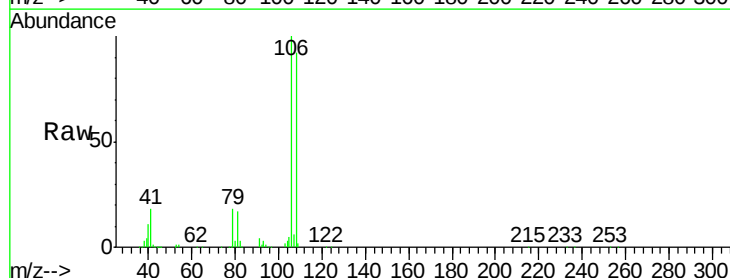
Tgt Ion: 108 Resp: 525696

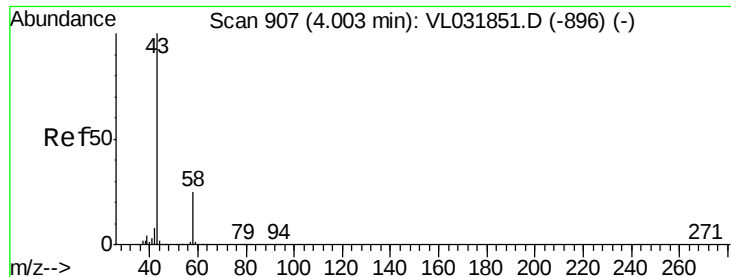
Ion Ratio Lower Upper

108 100

106 110.4 86.6 130.0

79 20.8 15.5 23.3





#15

Acetone

Concen: 7.34 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

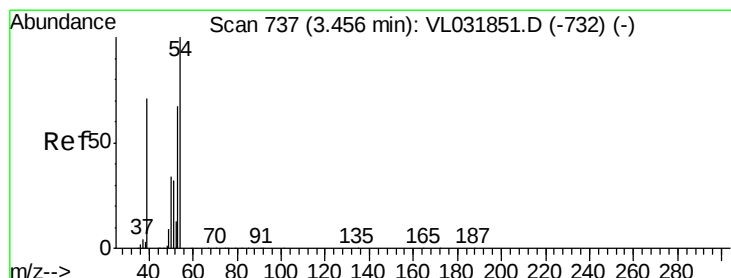
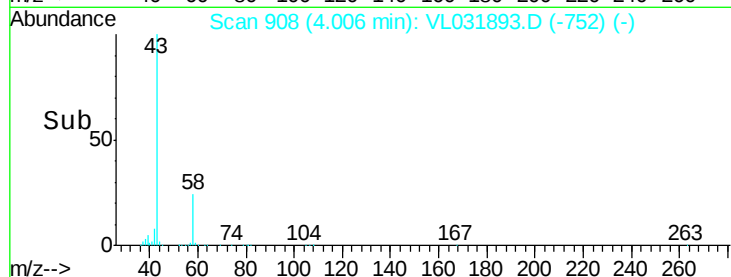
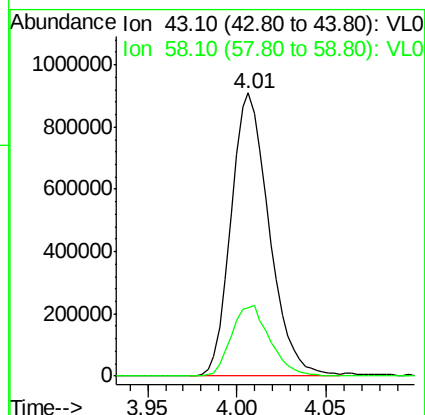
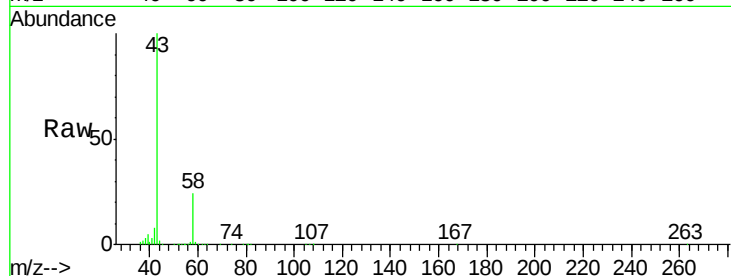
VL0419ABS01

Tgt Ion: 43 Resp: 1353055

Ion Ratio Lower Upper

43 100

58 25.5 20.9 31.3



#16

1,3-Butadiene

Concen: 9.18 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.00 min

Lab File: VL031893.D

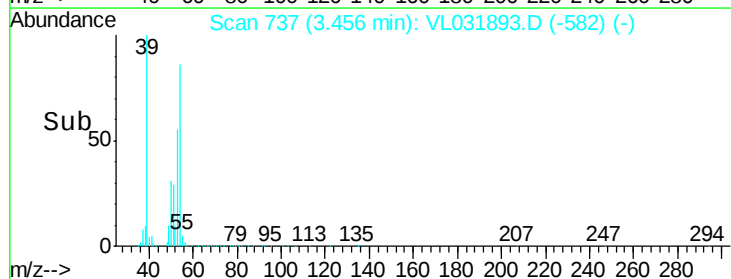
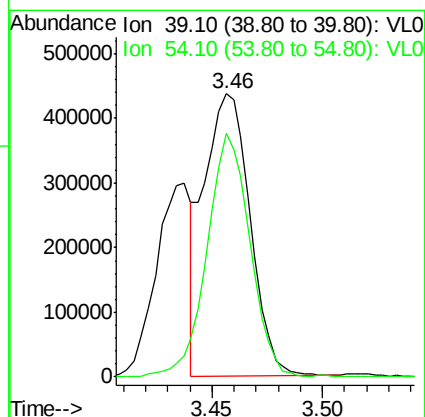
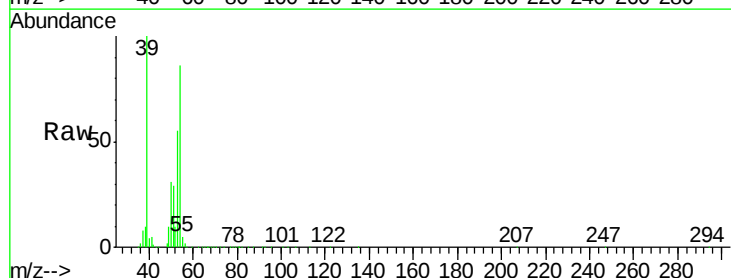
Acq: 20 Apr 2018 00:52

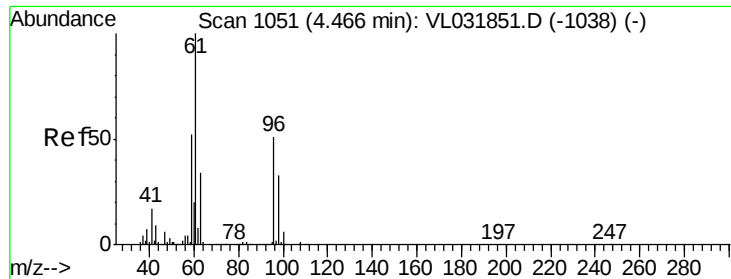
Tgt Ion: 39 Resp: 626504

Ion Ratio Lower Upper

39 100

54 81.5 63.3 94.9

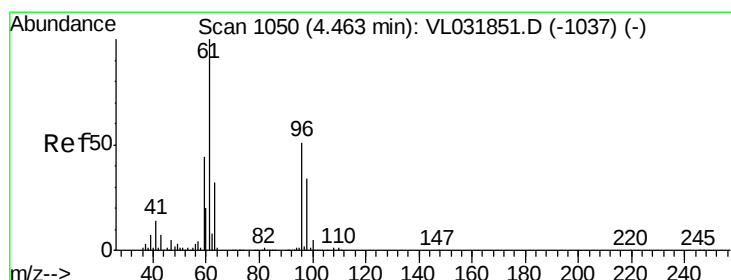
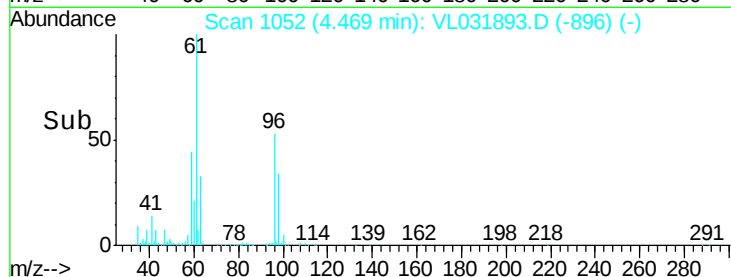
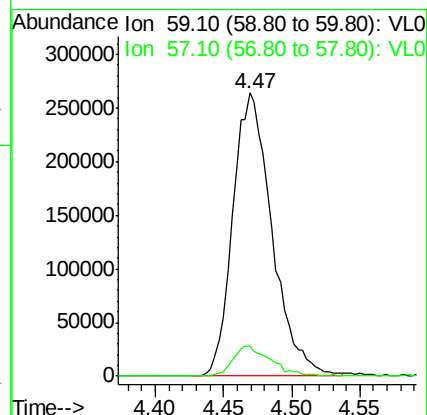
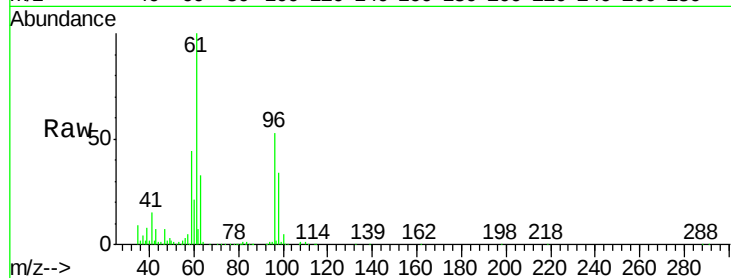




#17
 tert-Butyl alcohol
 Concen: 6.92 ppbv
 RT: 4.47 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

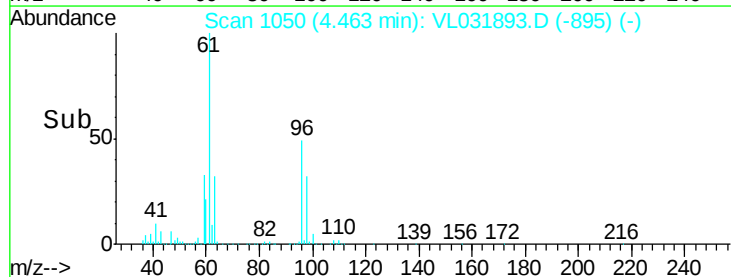
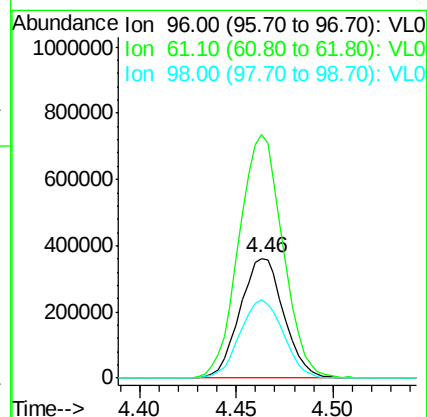
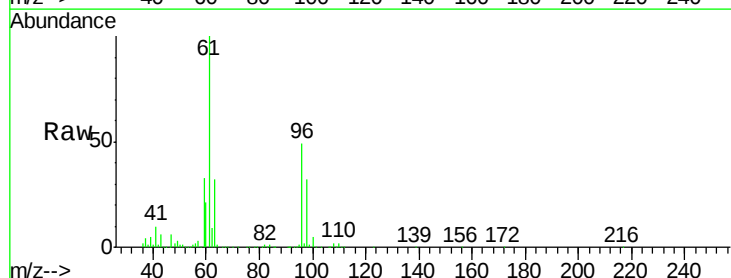
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

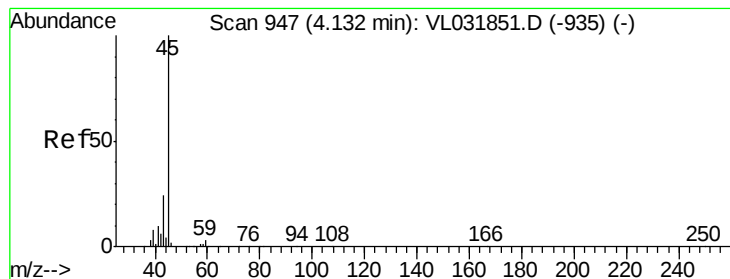
Tgt Ion: 59 Resp: 527448
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 8.42 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 96 Resp: 569093
 Ion Ratio Lower Upper
 96 100
 61 203.3 161.0 241.6
 98 66.1 52.7 79.1





#19

Isopropyl Alcohol

Concen: 8.02 ppbv

RT: 4.13 min Scan# 946

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

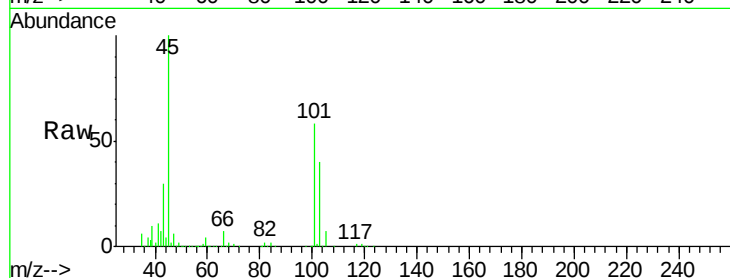
VL0419ABS01

Tgt Ion: 45 Resp: 826301

Ion Ratio Lower Upper

45 100

58 2.2 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.13

500000

400000

300000

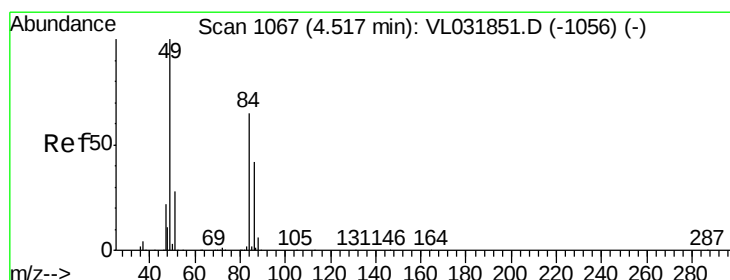
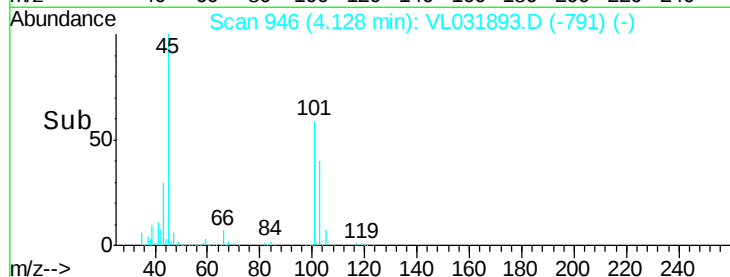
200000

100000

0

Time-->

4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 8.13 ppbv

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tgt Ion: 84 Resp: 545872

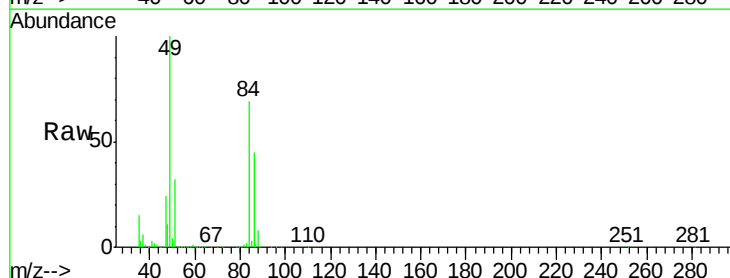
Ion Ratio Lower Upper

84 100

49 143.0 125.6 188.4

51 45.4 36.4 54.6

86 65.1 53.7 80.5



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

600000

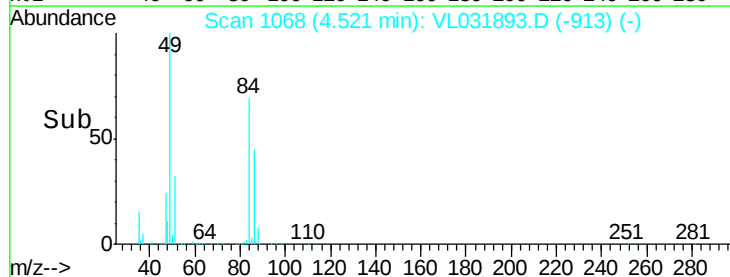
400000

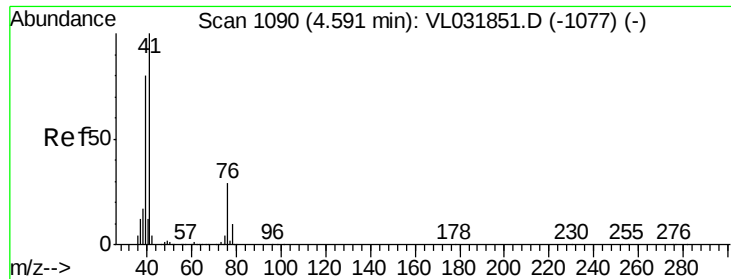
200000

0

Time-->

4.45 4.50 4.55

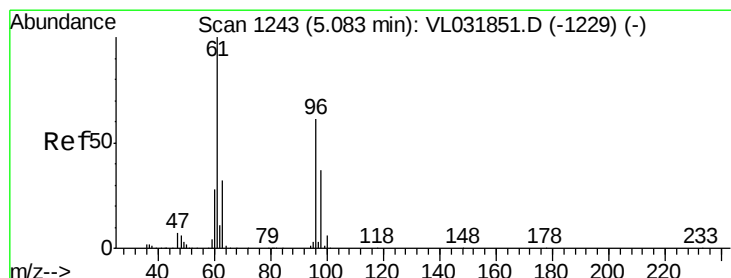
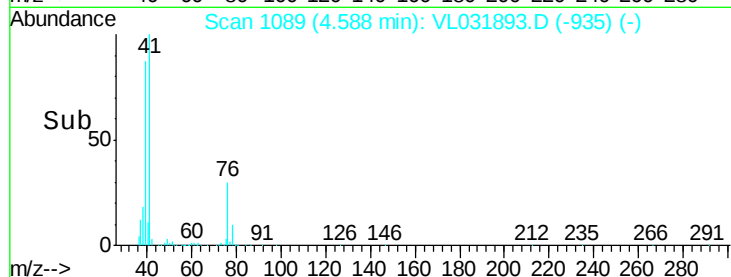
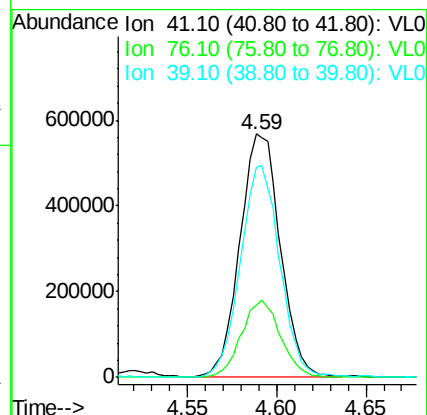
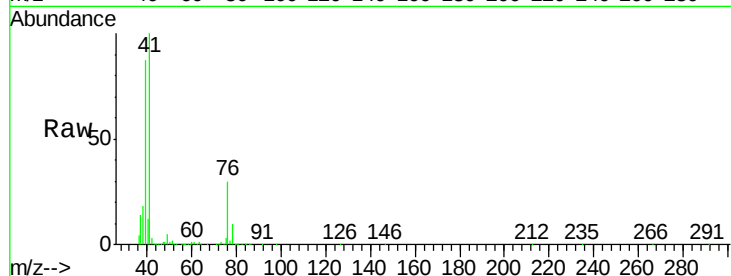




#21
 Allyl Chloride
 Concen: 8.54 ppbv
 RT: 4.59 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

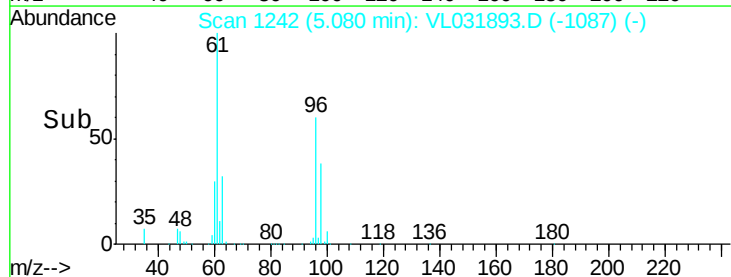
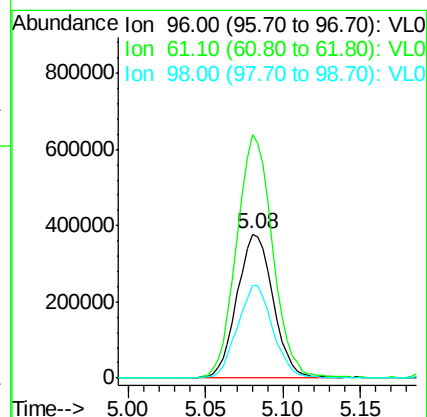
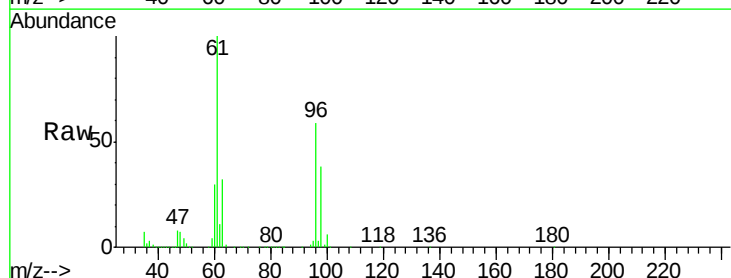
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

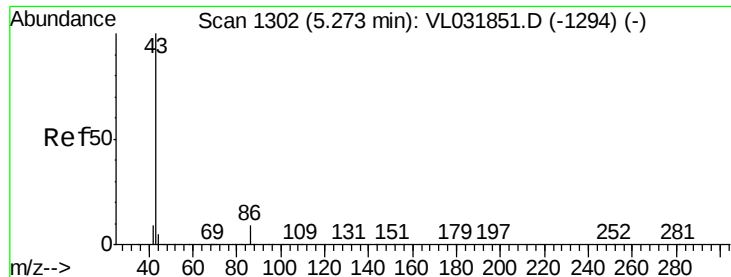
Tgt Ion: 41 Resp: 899998
 Ion Ratio Lower Upper
 41 100
 76 30.7 23.4 35.2
 39 85.1 67.6 101.4



#22
 trans-1,2-Dichloroethene
 Concen: 8.76 ppbv
 RT: 5.08 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 96 Resp: 614068
 Ion Ratio Lower Upper
 96 100
 61 169.2 131.1 196.7
 98 64.4 47.6 71.4





#23

Vinyl Acetate

Concen: 8.84 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tgt Ion: 43 Resp: 1652773

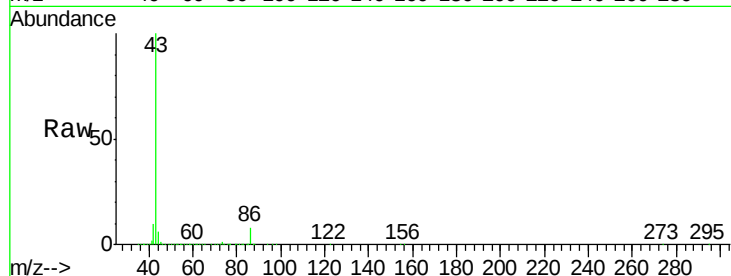
Ion Ratio Lower Upper

43 100

86 7.9 5.8 8.8

42 10.3 8.5 12.7

44 5.7 4.2 6.4

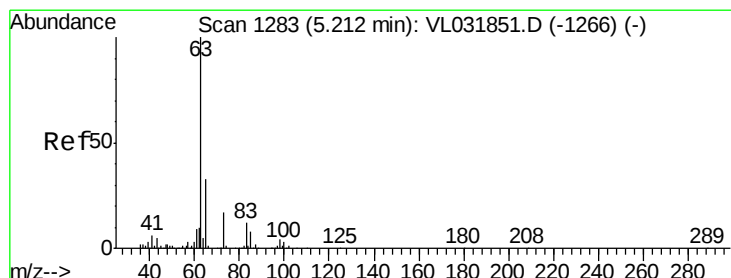
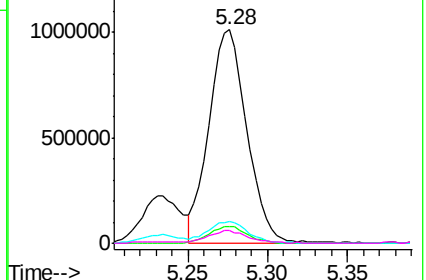
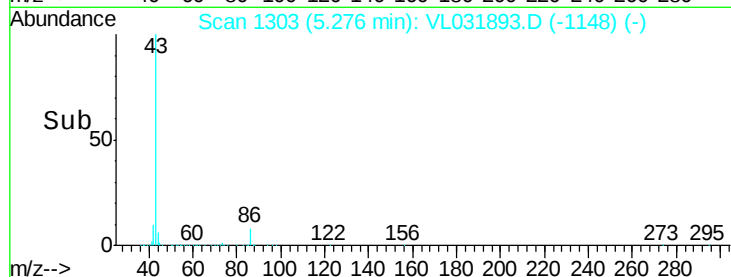


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.49 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

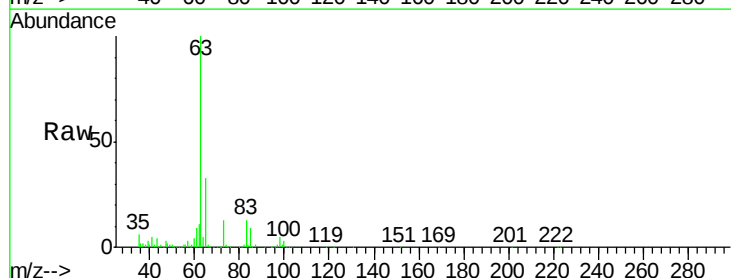
Tgt Ion: 63 Resp: 1581852

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

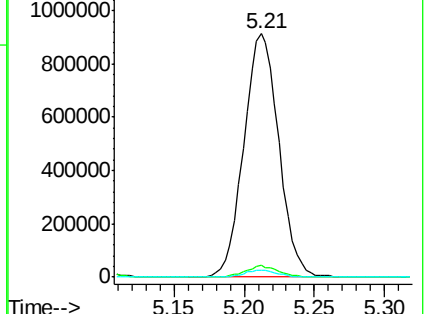
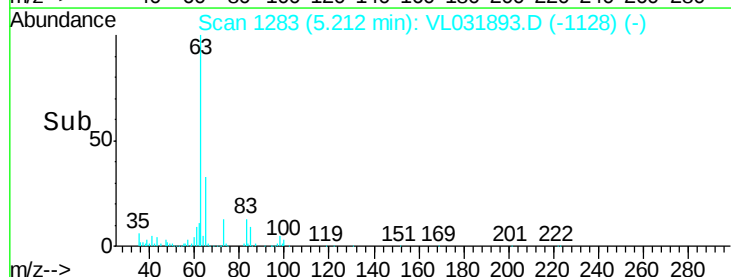
100 2.9 1.5 4.4

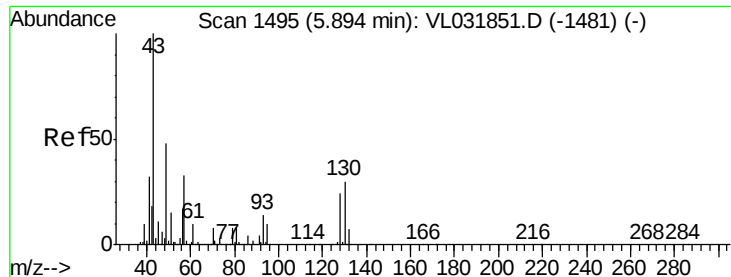


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



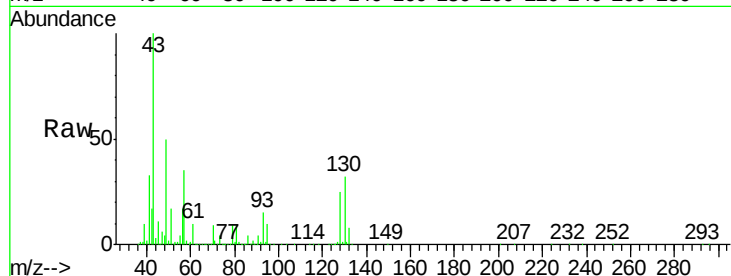


#25
Ethyl Acetate
Concen: 8.99 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

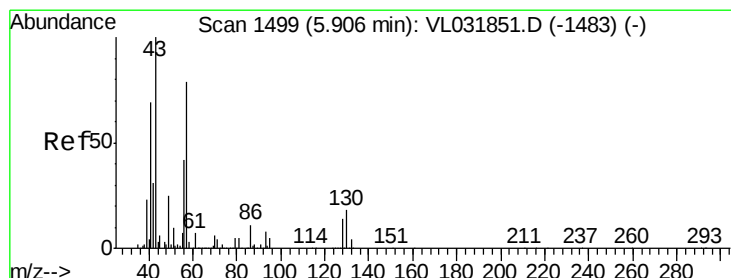
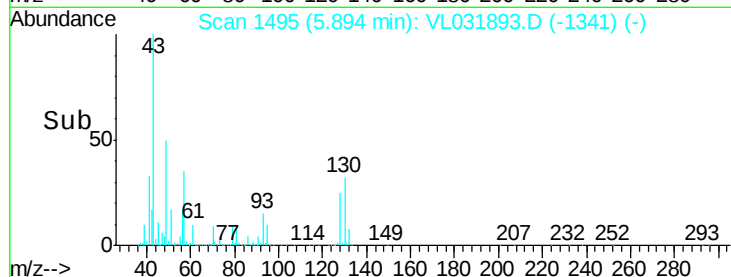
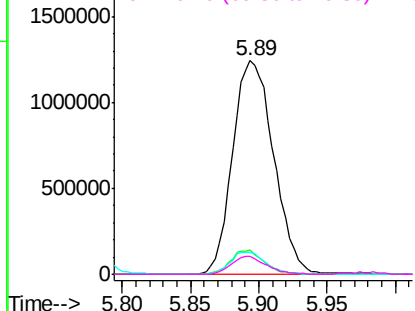
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

Tgt Ion: 43 Resp: 2584655

Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	8.9	7.2	10.8
70	7.1	5.8	8.8



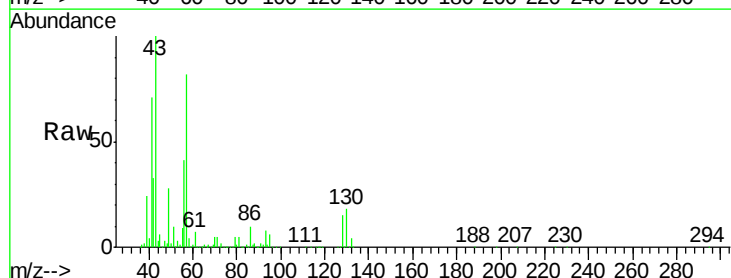
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



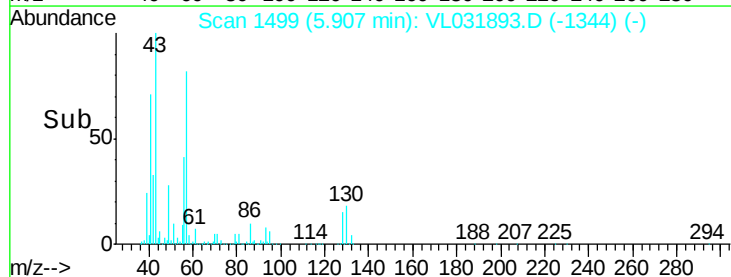
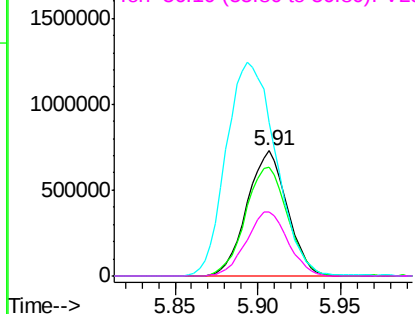
#26
Hexane
Concen: 9.21 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

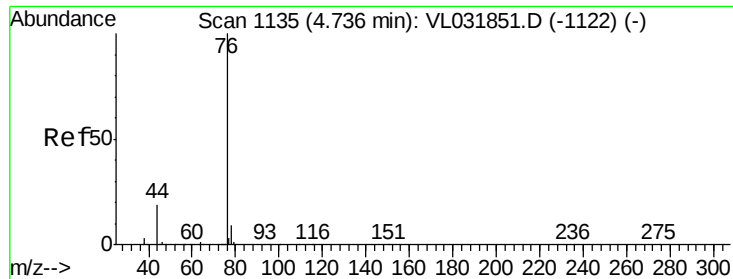
Tgt Ion: 57 Resp: 1234252

Ion	Ratio	Lower	Upper
57	100		
41	92.7	72.0	108.0
43	210.4	169.8	254.8
56	53.0	42.0	63.0



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: 9.26 ppbv

RT: 4.74 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

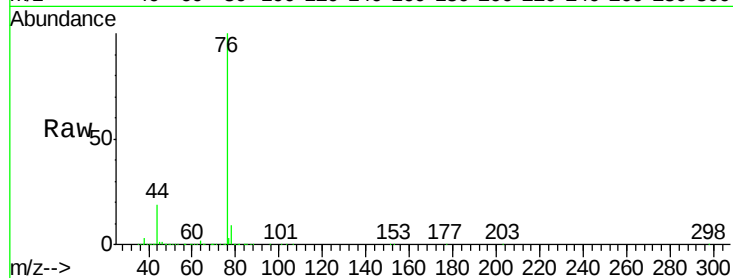
Tgt Ion: 76 Resp: 1611800

Ion Ratio Lower Upper

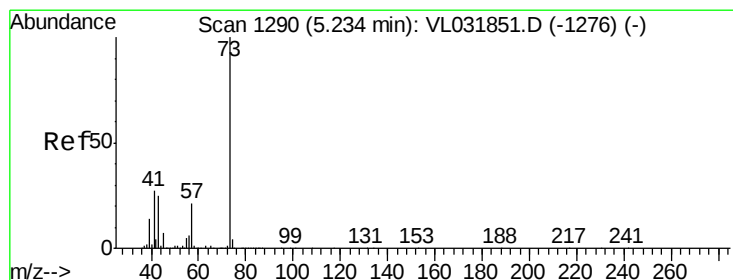
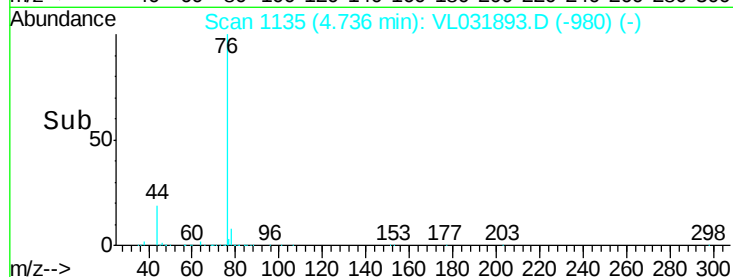
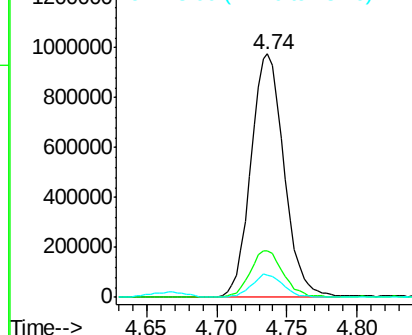
76 100

44 20.1 15.6 23.4

78 9.1 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.93 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL031893.D

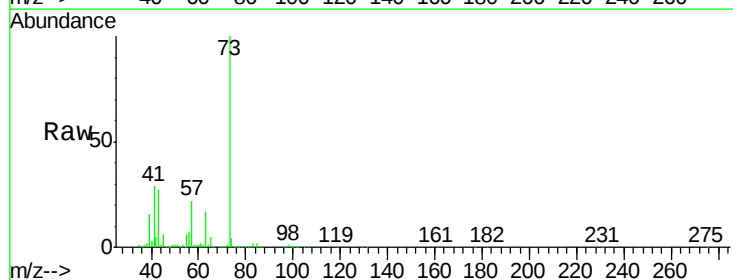
Acq: 20 Apr 2018 00:52

Tgt Ion: 73 Resp: 1473978

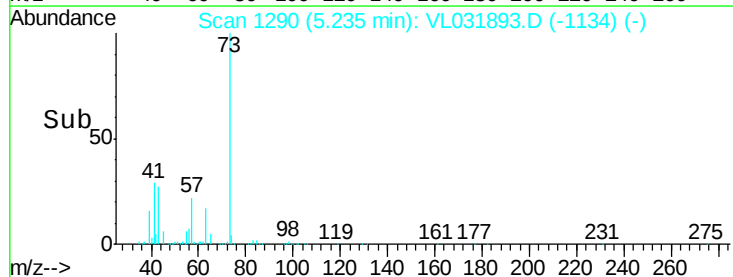
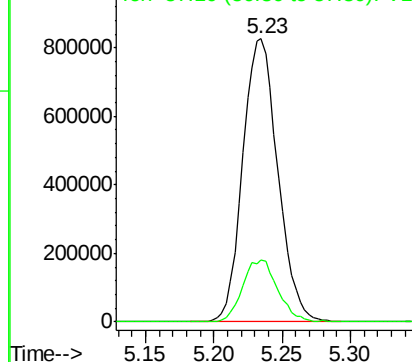
Ion Ratio Lower Upper

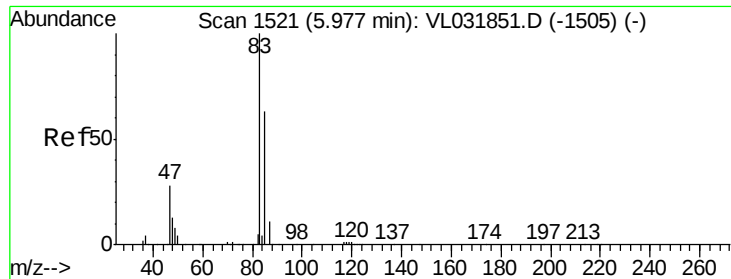
73 100

57 22.1 17.6 26.4



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

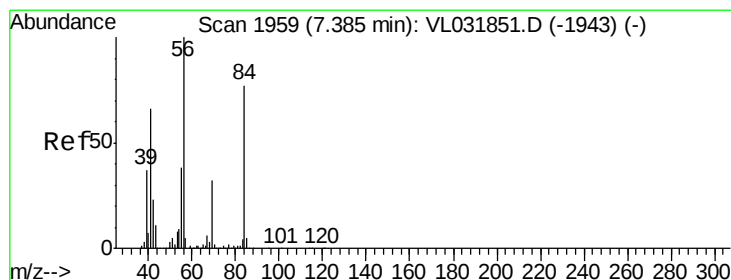
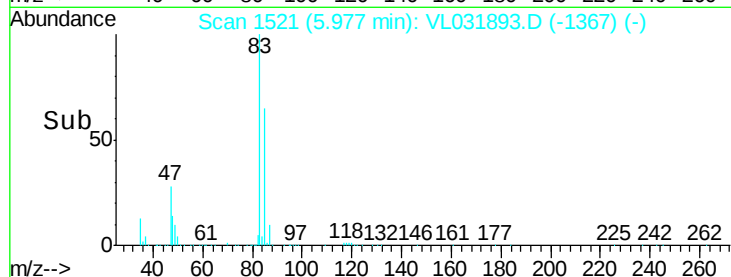
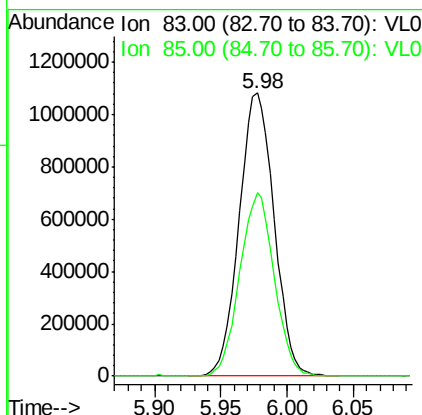
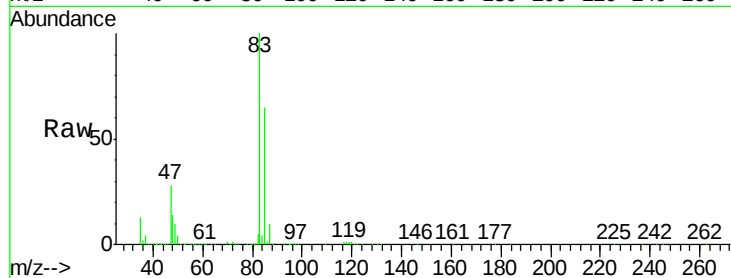




#29
Chloroform
Concen: 8.73 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

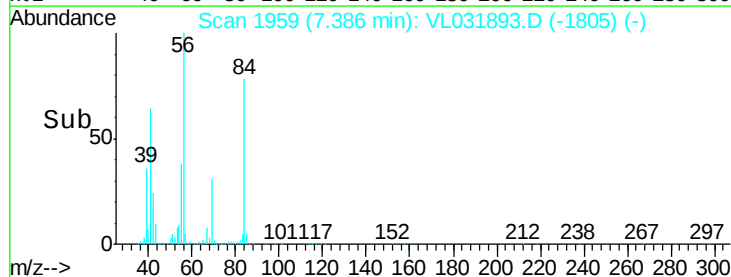
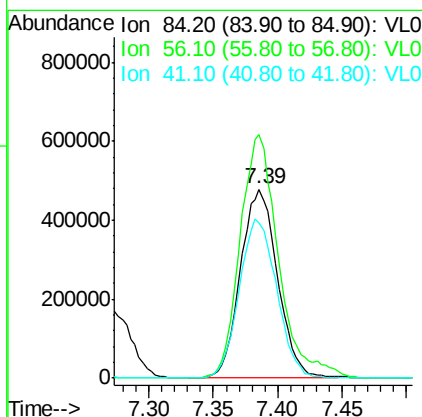
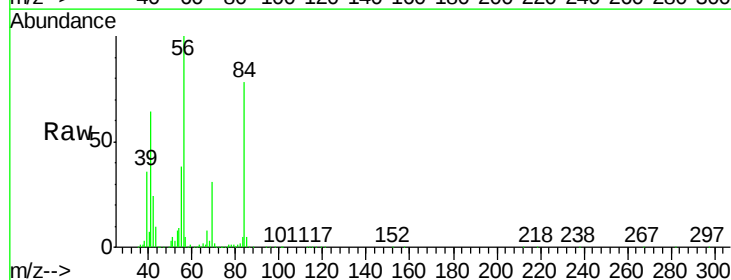
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

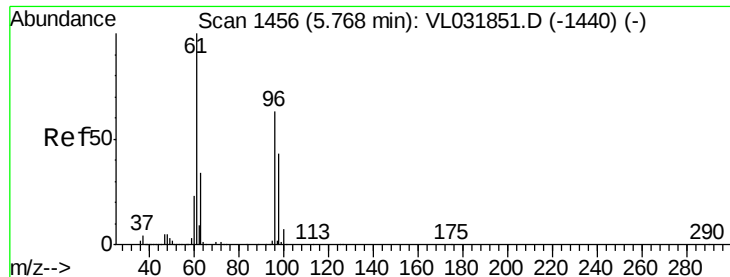
Tgt Ion: 83 Resp: 1985019
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.0



#30
Cyclohexane
Concen: 9.99 ppbv
RT: 7.39 min Scan# 1959
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 84 Resp: 956819
Ion Ratio Lower Upper
84 100
56 134.0 107.7 161.5
41 85.0 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 9.23 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

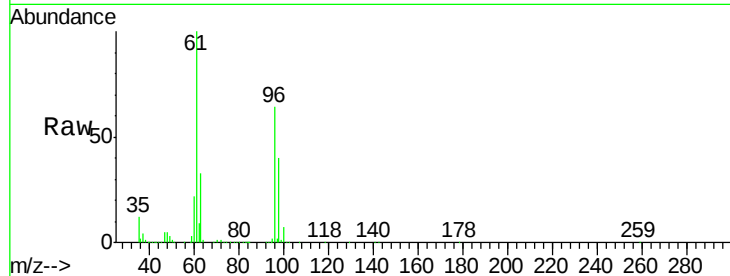
Tgt Ion: 61 Resp: 1121376

Ion Ratio Lower Upper

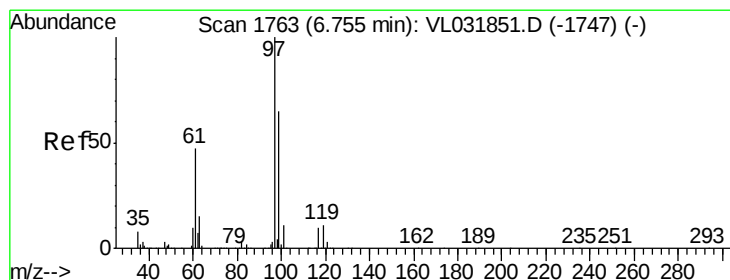
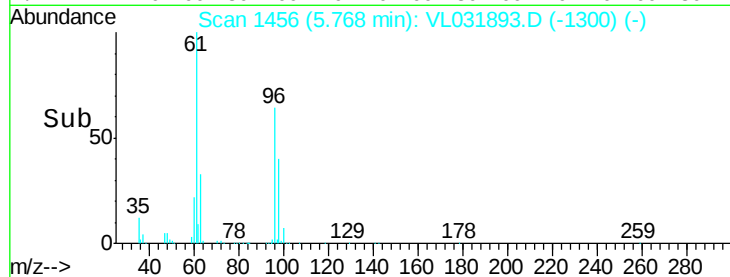
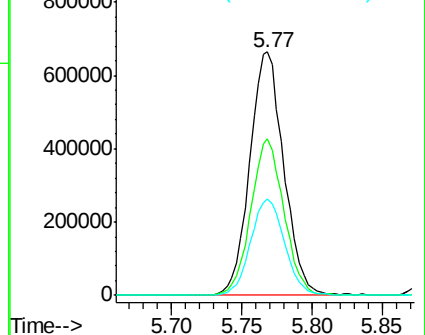
61 100

96 64.4 47.6 71.4

98 39.7 30.3 45.5



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: 8.84 ppbv

RT: 6.76 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

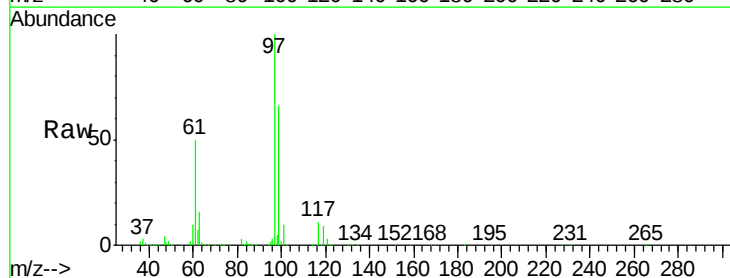
Tgt Ion: 97 Resp: 1955694

Ion Ratio Lower Upper

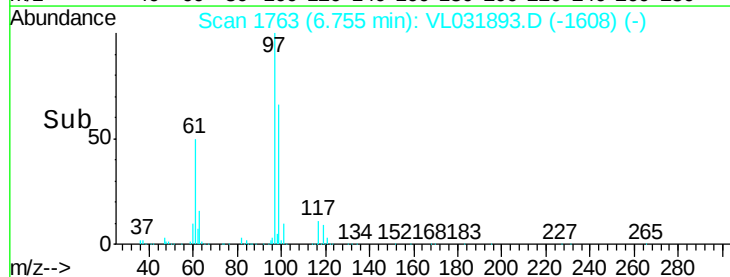
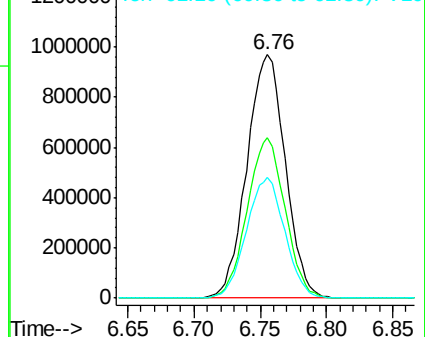
97 100

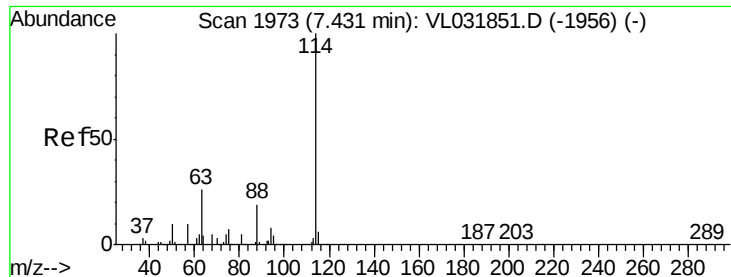
99 64.9 51.5 77.3

61 49.8 40.0 60.0



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

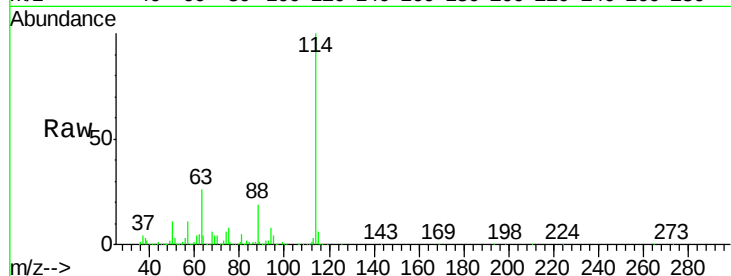




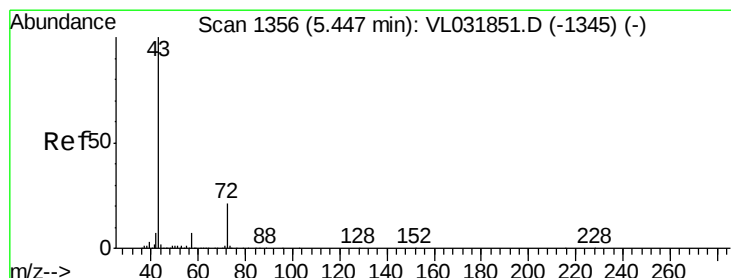
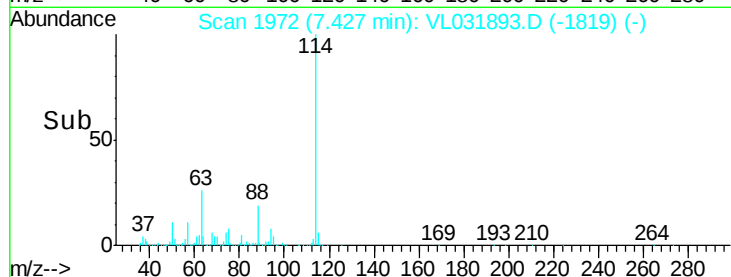
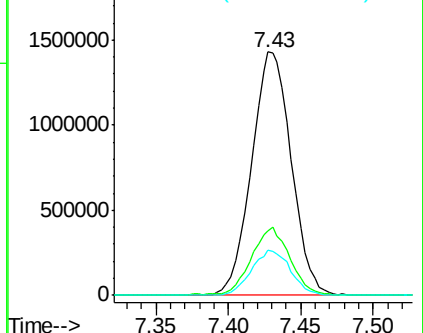
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tgt Ion:114 Resp: 2721274
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.8 32.6
 88 18.4 14.6 22.0

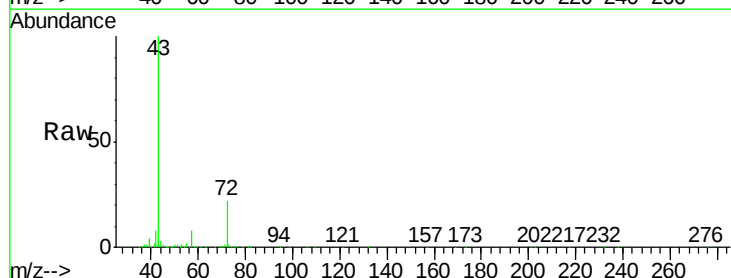


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

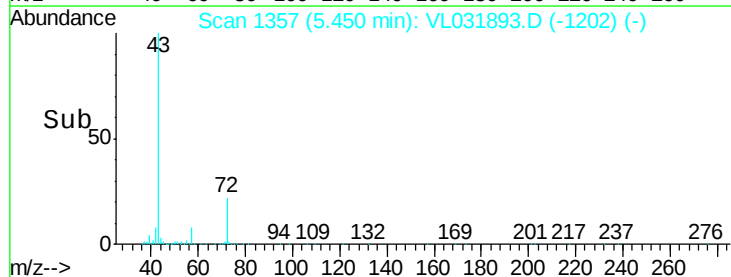
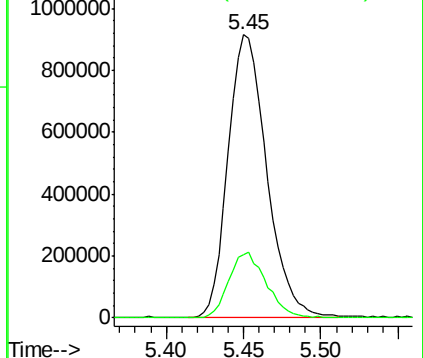


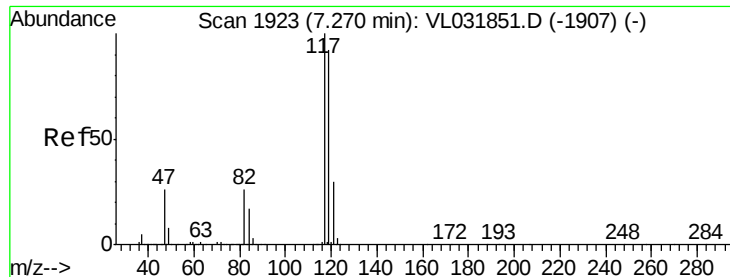
#34
 2-Butanone
 Concen: 8.36 ppbv
 RT: 5.45 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 43 Resp: 1578242
 Ion Ratio Lower Upper
 43 100
 72 22.6 18.6 27.8



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





#35

Carbon Tetrachloride

Concen: 8.67 ppbv

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

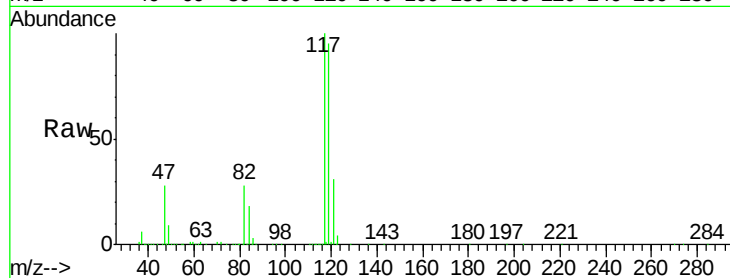
Tgt Ion:117 Resp: 2048457

Ion Ratio Lower Upper

117 100

119 95.4 76.9 115.3

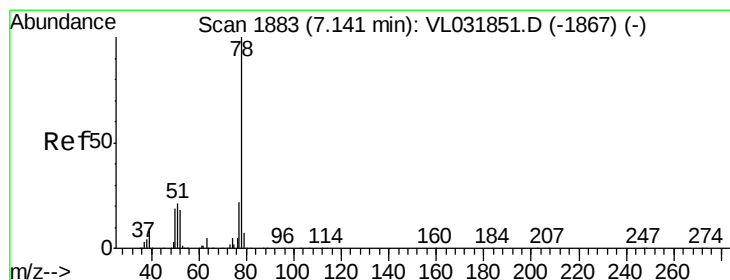
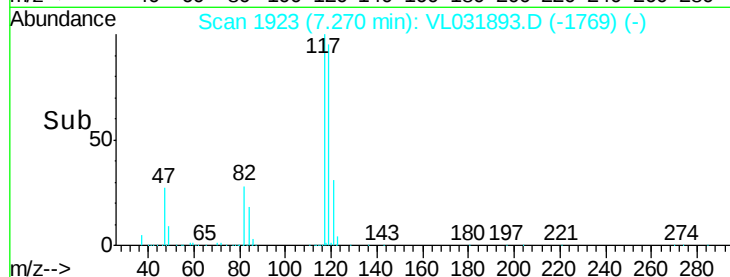
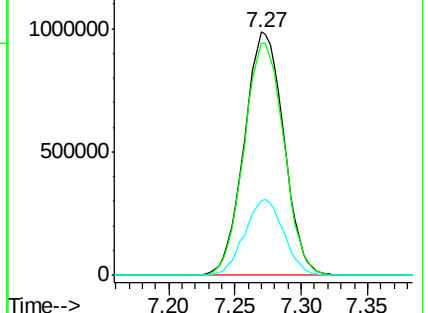
121 30.7 24.5 36.7



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: 9.37 ppbv

RT: 7.14 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

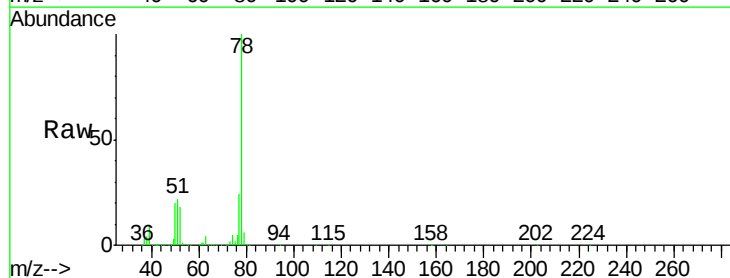
Tgt Ion: 78 Resp: 2293642

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8

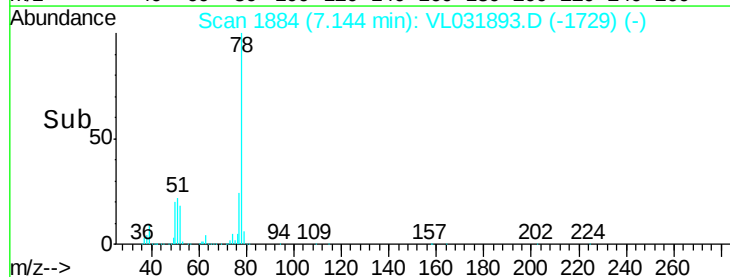
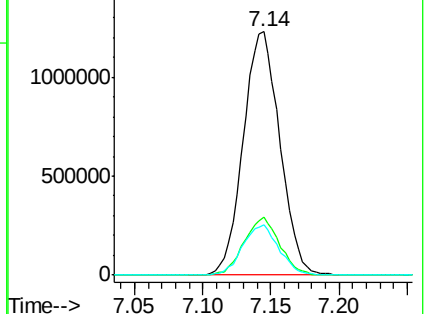
50 20.5 16.7 25.1

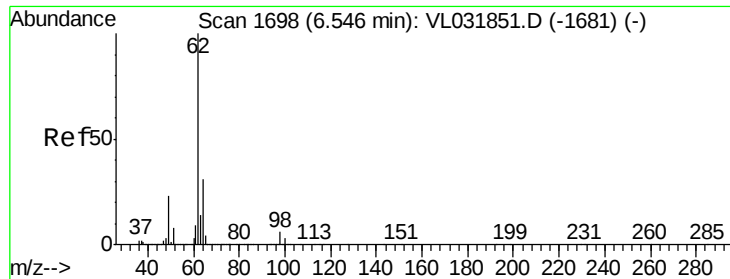


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

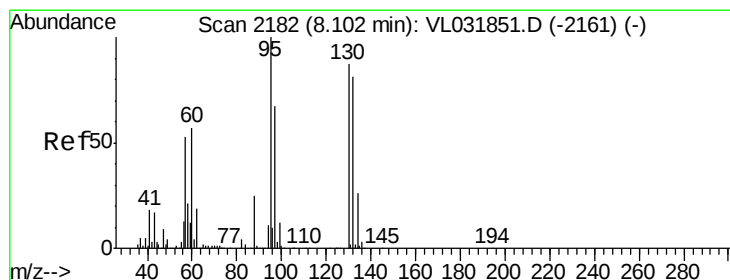
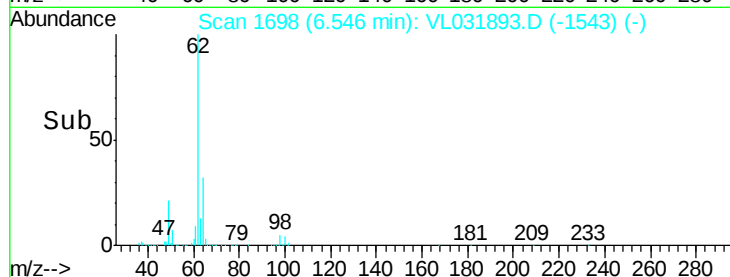
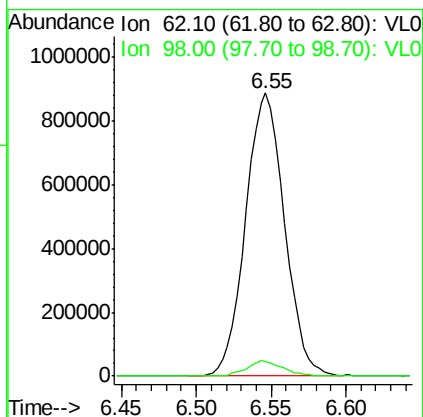
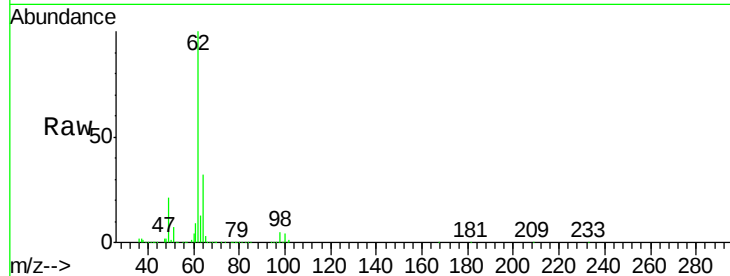




#37
 1,2-Dichloroethane
 Concen: 8.83 ppbv
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

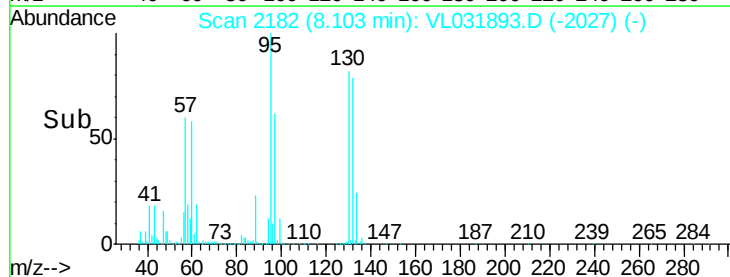
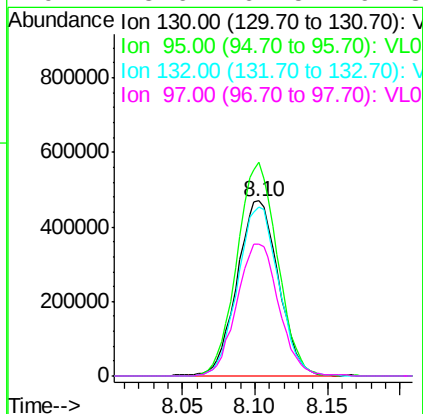
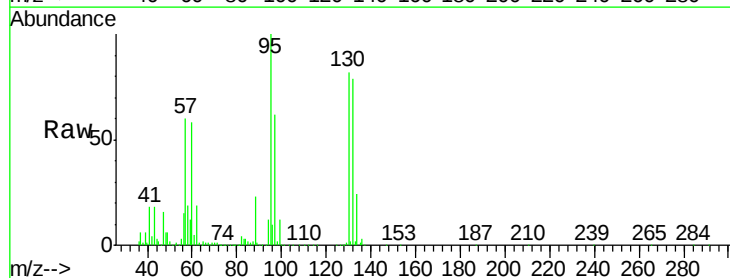
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

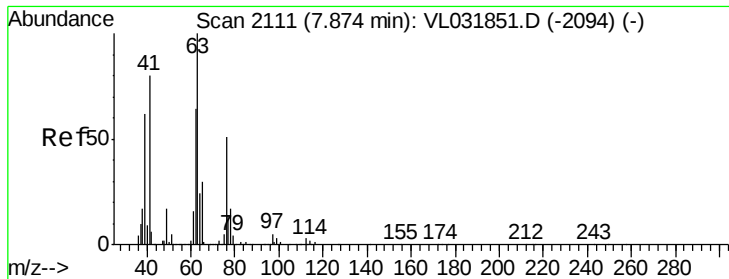
Tgt Ion: 62 Resp: 1608362
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.0 6.0



#38
 Trichloroethene
 Concen: 9.38 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 130 Resp: 931863
 Ion Ratio Lower Upper
 130 100
 95 122.0 96.6 144.8
 132 96.3 79.1 118.7
 97 75.6 61.5 92.3

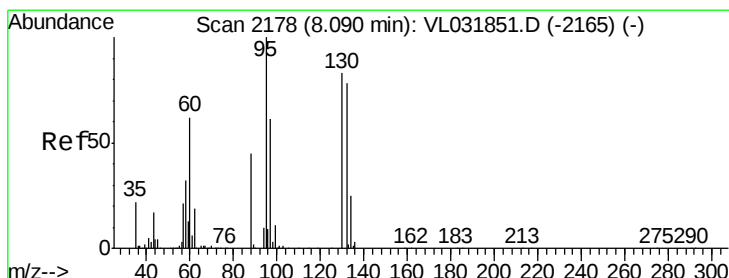
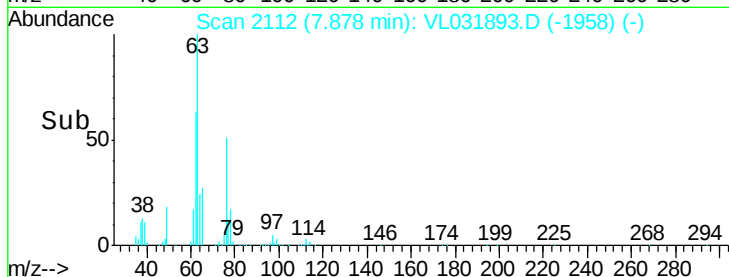
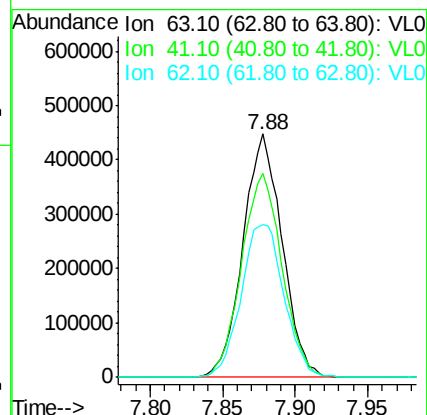
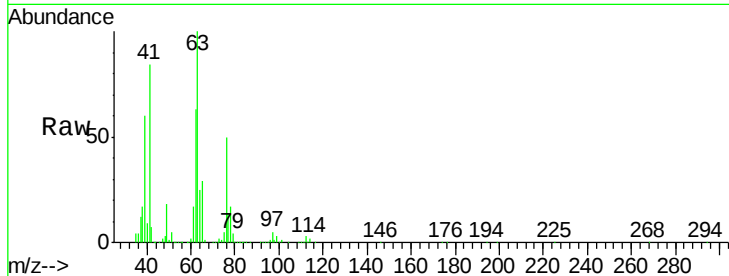




#39
 1,2-Dichloropropane
 Concen: 9.18 ppbv
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

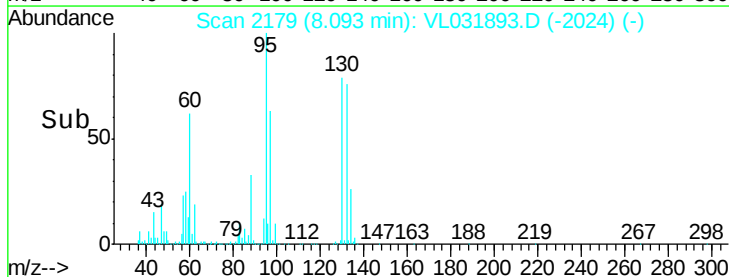
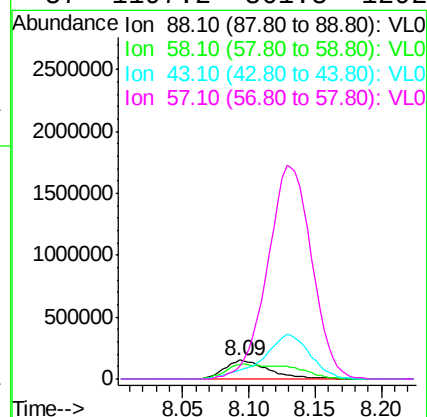
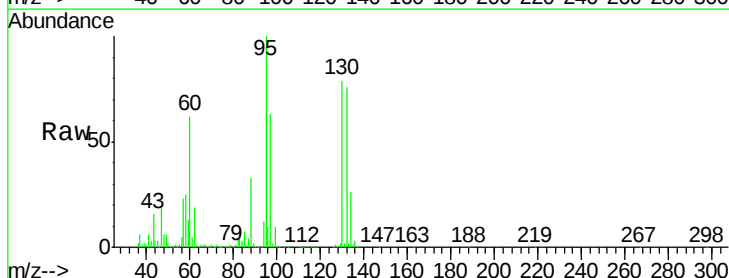
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

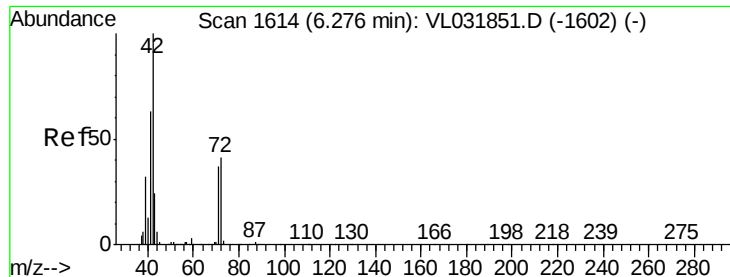
Tgt Ion: 63 Resp: 835480
 Ion Ratio Lower Upper
 63 100
 41 83.8 65.8 98.6
 62 62.6 55.0 82.6



#40
 1,4-Dioxane
 Concen: 9.13 ppbv
 RT: 8.09 min Scan# 2179
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 88 Resp: 337240
 Ion Ratio Lower Upper
 88 100
 58 133.8 98.5 147.7
 43 266.6 194.3 291.5
 57 1197.2 861.8 1292.6





#41

Tetrahydrofuran

Concen: 9.34 ppbv

RT: 6.28 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

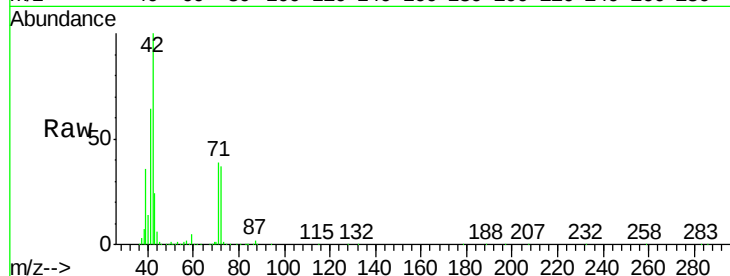
Tgt Ion: 42 Resp: 816503

Ion Ratio Lower Upper

42 100

72 39.3 33.2 49.8

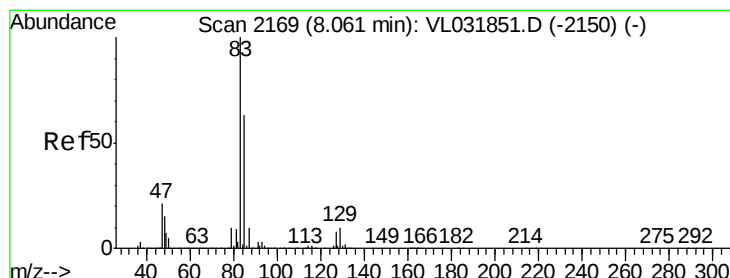
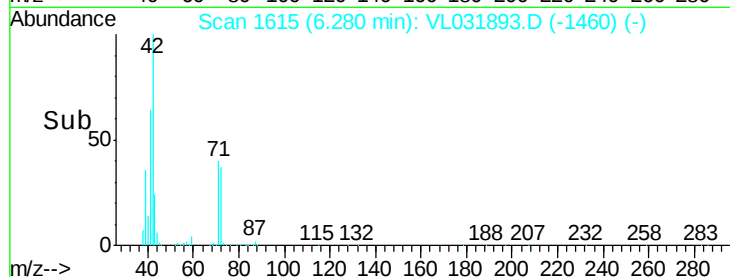
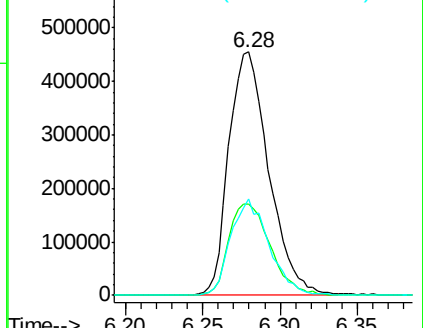
71 38.2 31.5 47.3



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: 9.36 ppbv

RT: 8.06 min Scan# 2168

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

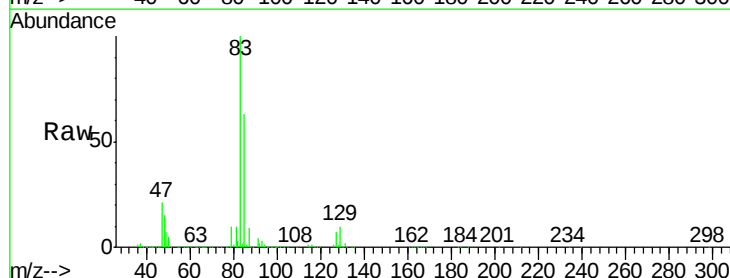
Tgt Ion: 83 Resp: 2040606

Ion Ratio Lower Upper

83 100

85 63.5 50.5 75.7

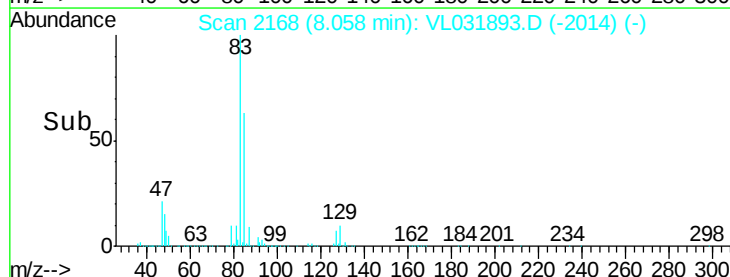
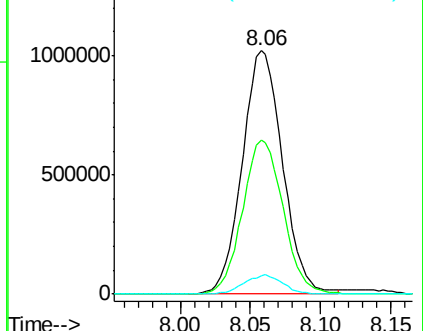
127 7.3 6.0 9.0

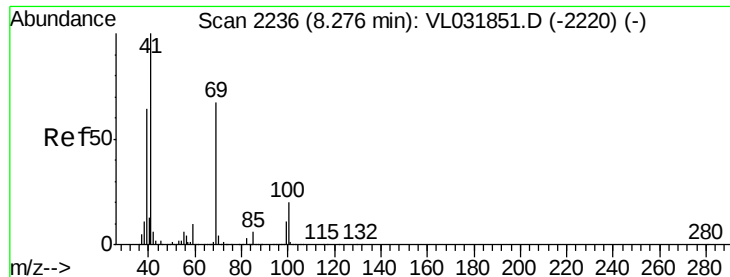


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.01 ppbv

RT: 8.27 min Scan# 2235

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

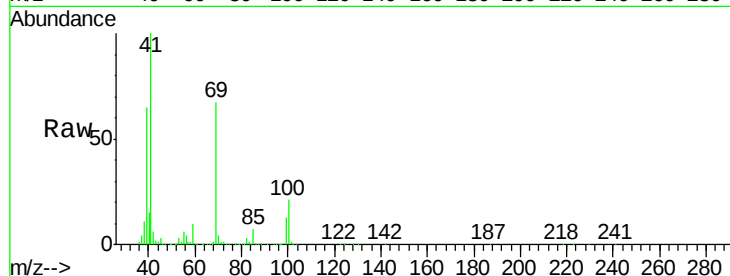
Tgt Ion: 69 Resp: 862530

Ion Ratio Lower Upper

69 100

41 148.5 117.8 176.8

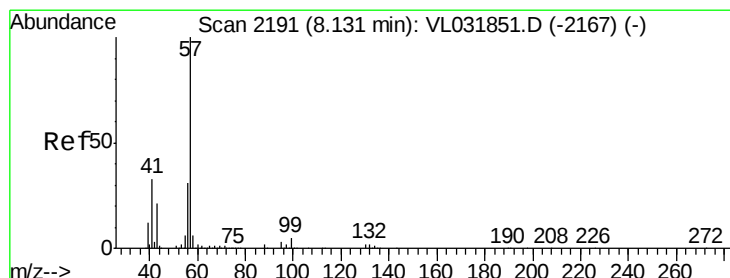
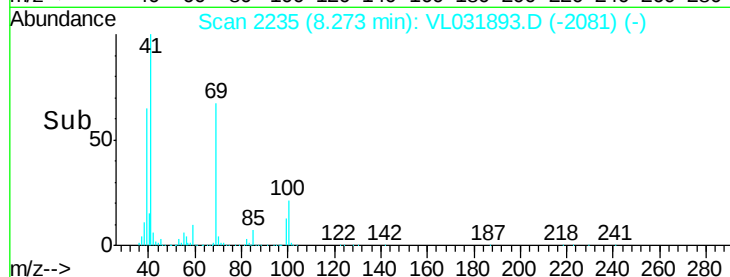
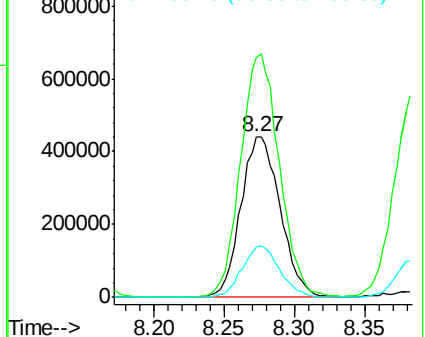
100 30.6 24.6 37.0



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.56 ppbv

RT: 8.13 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

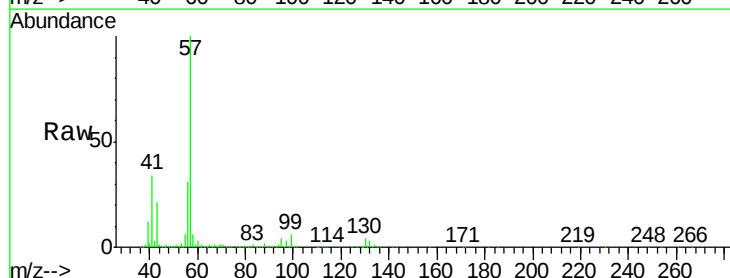
Tgt Ion: 57 Resp: 4032121

Ion Ratio Lower Upper

57 100

41 33.5 27.0 40.6

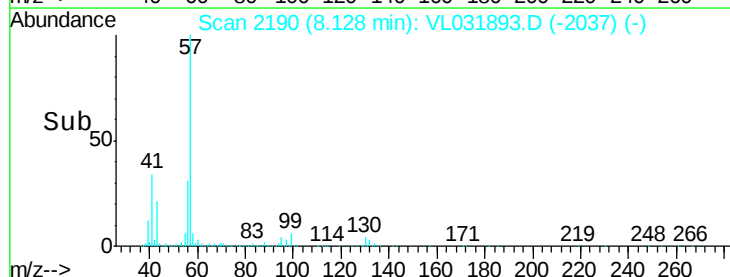
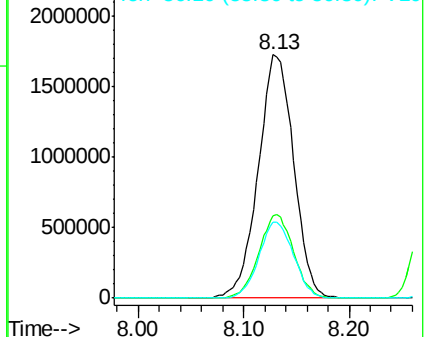
56 30.6 24.1 36.1

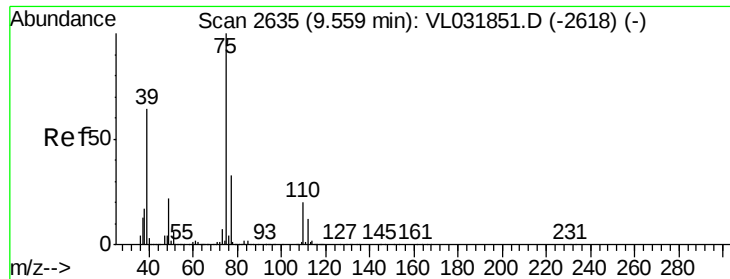


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

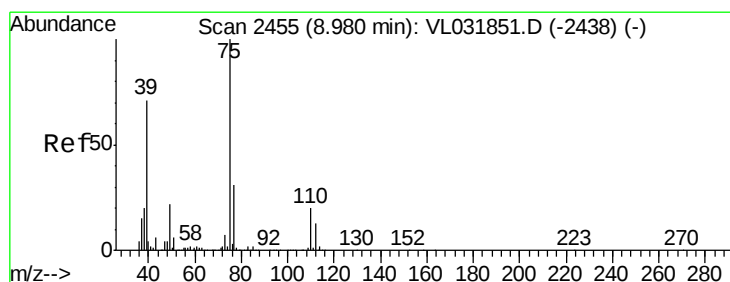
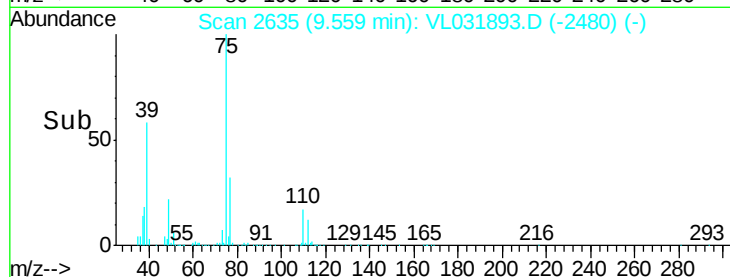
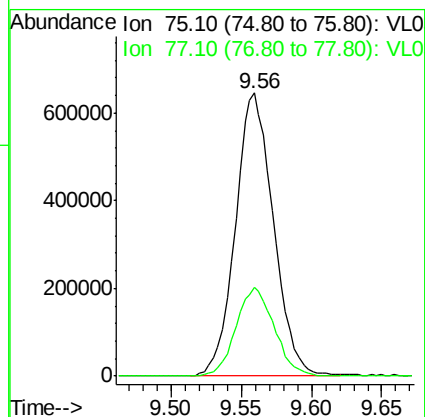
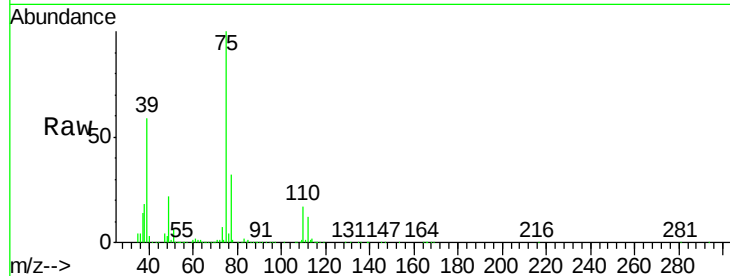




#45
t-1,3-Dichloropropene
Concen: 10.85 ppbv
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

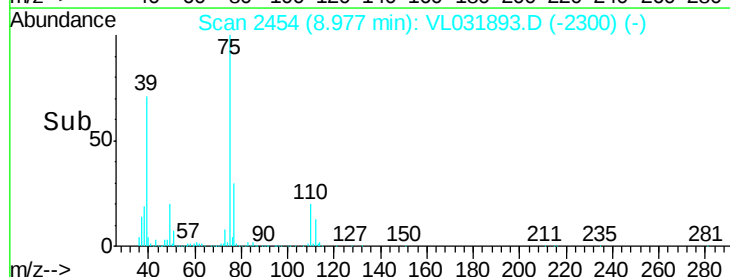
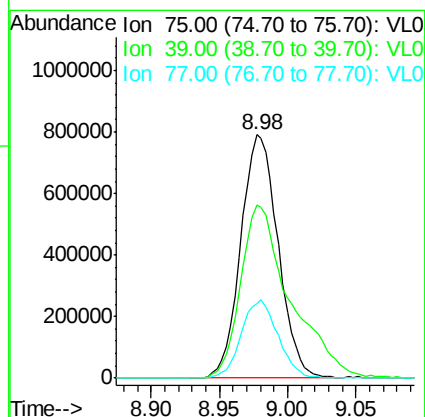
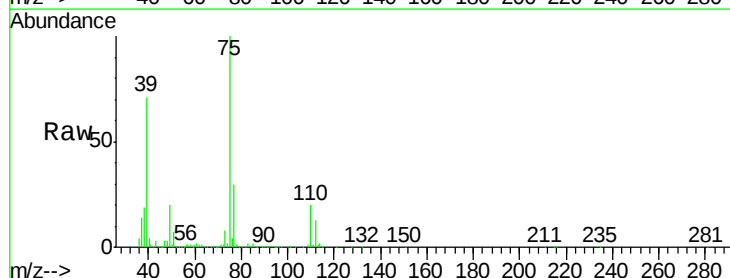
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

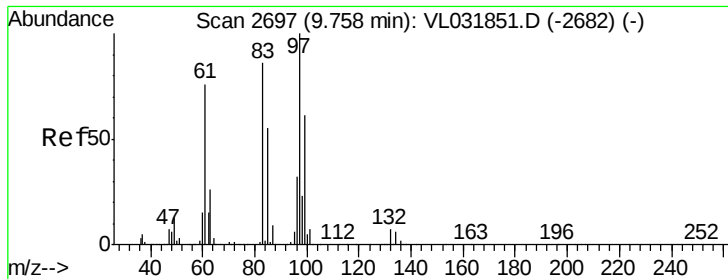
Tgt Ion: 75 Resp: 1211749
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 10.51 ppbv
RT: 8.98 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 75 Resp: 1500157
Ion Ratio Lower Upper
75 100
39 71.2 58.6 87.8
77 30.4 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 9.22 ppbv

RT: 9.76 min Scan# 2698

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

Tgt Ion: 97 Resp: 997561

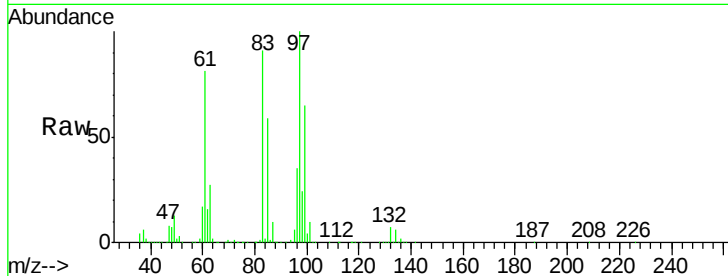
Ion Ratio Lower Upper

97 100

83 90.9 69.1 103.7

85 58.7 43.7 65.5

99 65.1 49.4 74.2

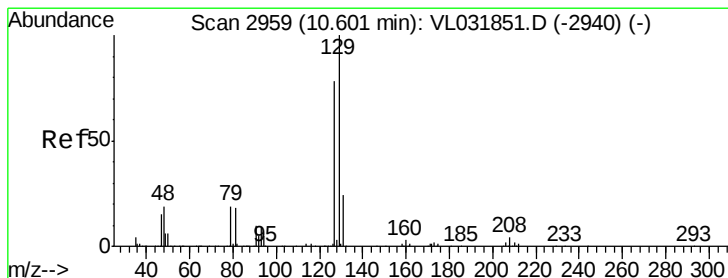
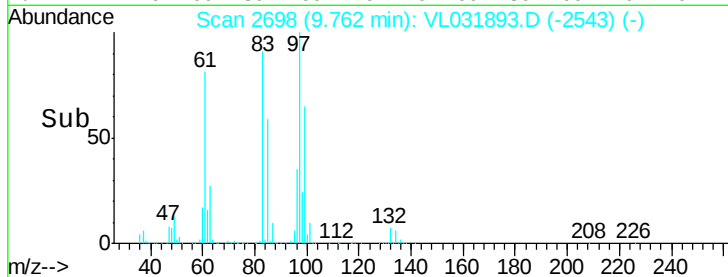
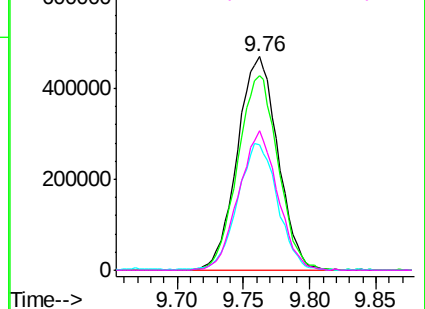


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.83 ppbv

RT: 10.60 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VL031893.D

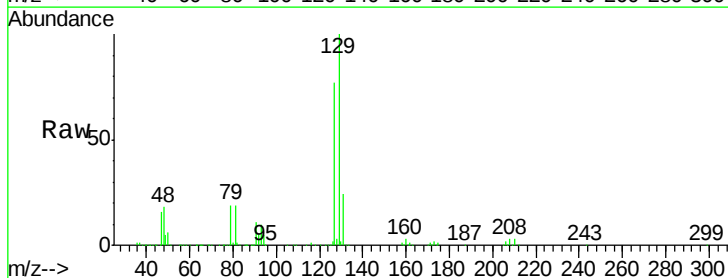
Acq: 20 Apr 2018 00:52

Tgt Ion: 129 Resp: 1718542

Ion Ratio Lower Upper

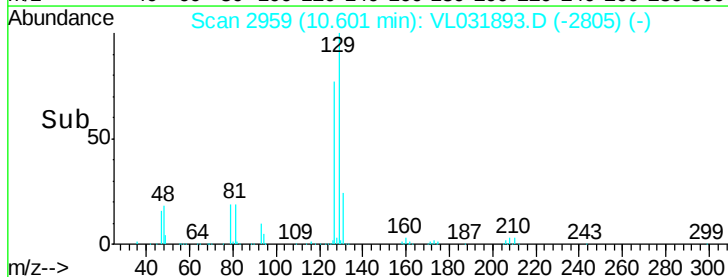
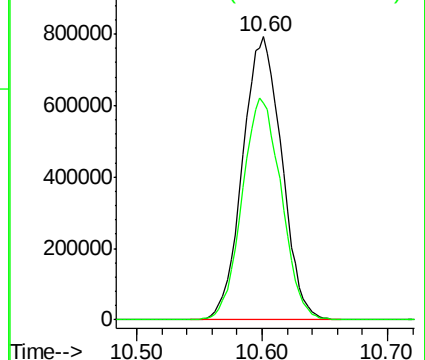
129 100

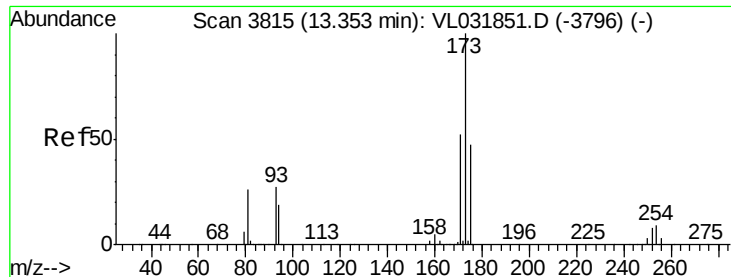
127 78.7 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.28 ppbv

RT: 13.36 min Scan# 3816

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

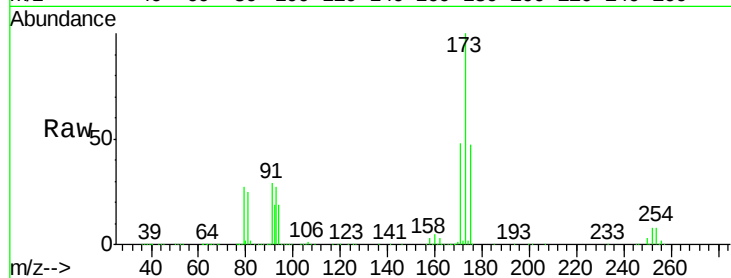
Tgt Ion:173 Resp: 1382799

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

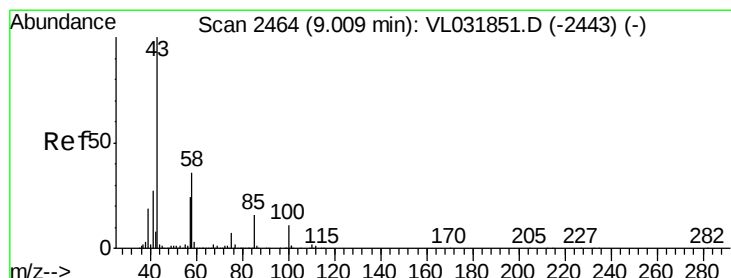
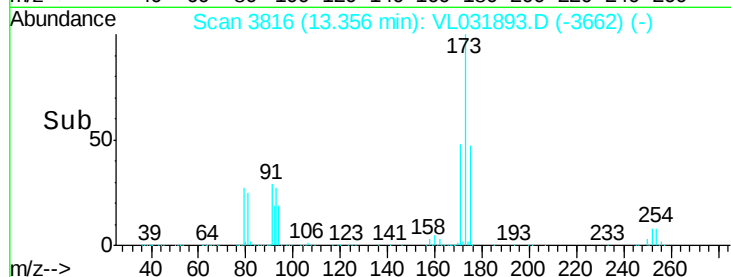
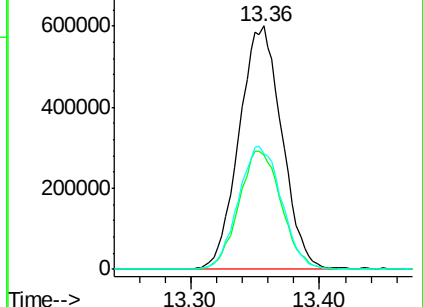
171 51.3 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.53 ppbv

RT: 9.01 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VL031893.D

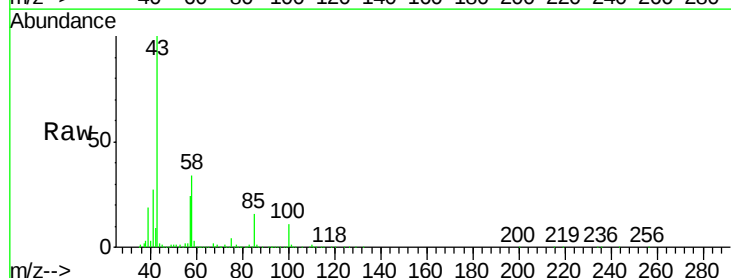
Acq: 20 Apr 2018 00:52

Tgt Ion: 43 Resp: 2058659

Ion Ratio Lower Upper

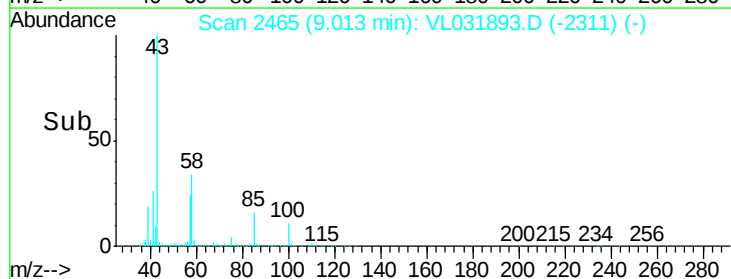
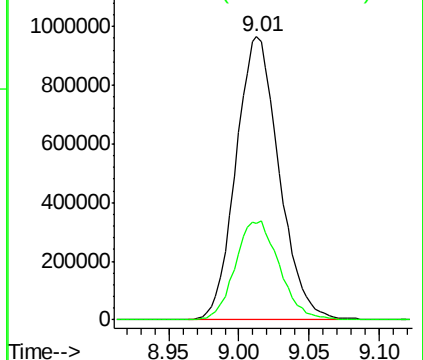
43 100

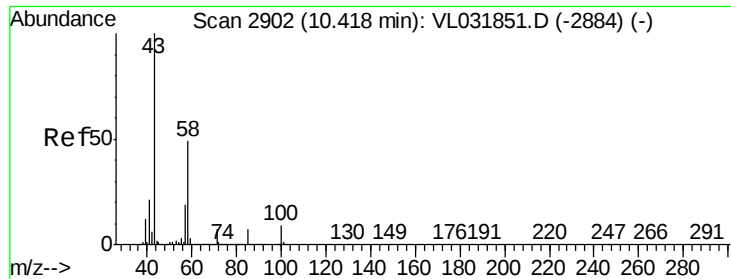
58 36.0 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

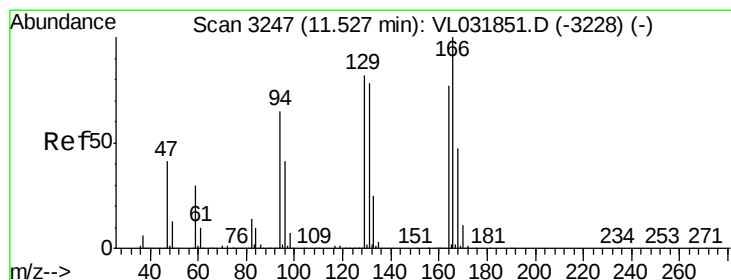
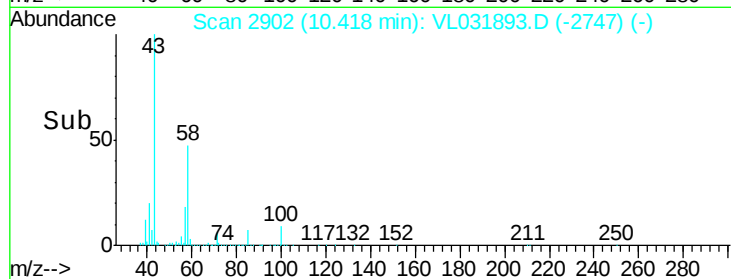
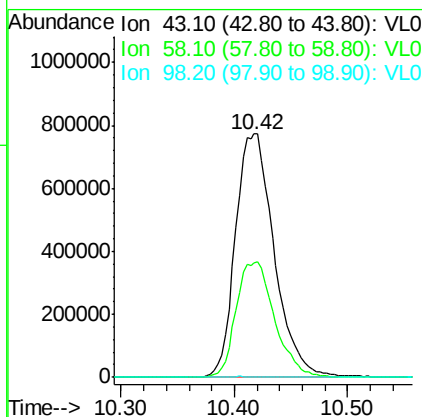
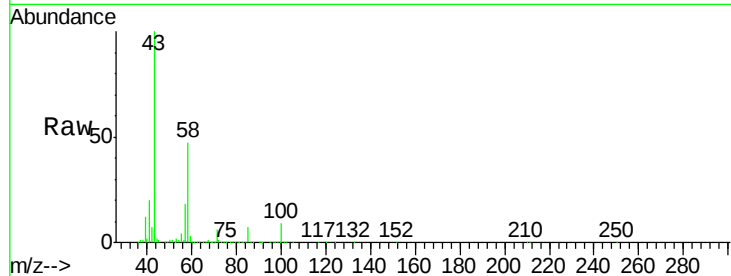




#51
2-Hexanone
Concen: 9.73 ppbv
RT: 10.42 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

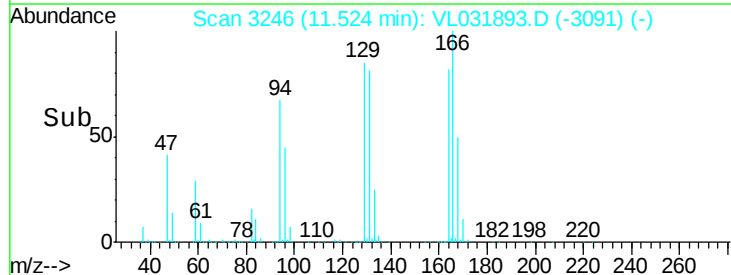
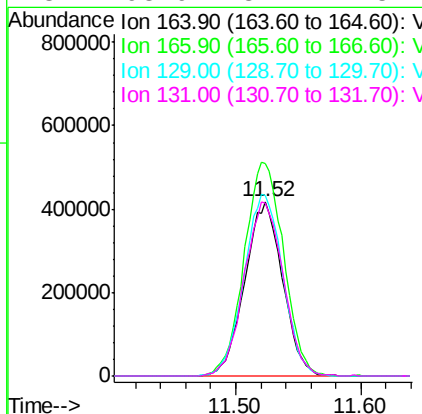
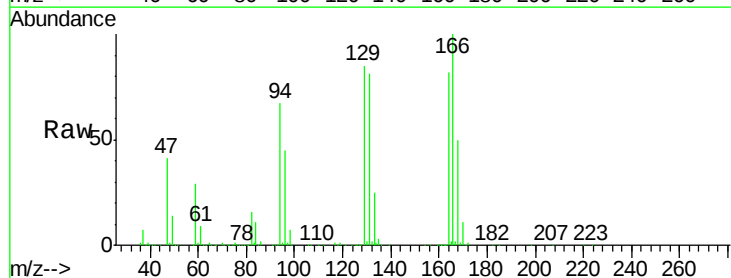
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

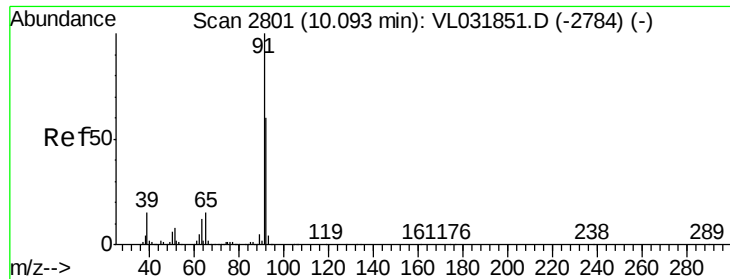
Tgt Ion: 43 Resp: 1837855
Ion Ratio Lower Upper
43 100
58 47.5 38.5 57.7
98 0.2 0.2 0.4



#52
Tetrachloroethene
Concen: 9.15 ppbv
RT: 11.52 min Scan# 3246
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 164 Resp: 872714
Ion Ratio Lower Upper
164 100
166 122.1 98.2 147.4
129 103.5 86.5 129.7
131 98.9 82.2 123.2





#53

Toluene

Concen: 10.14 ppbv

RT: 10.09 min Scan# 2801

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

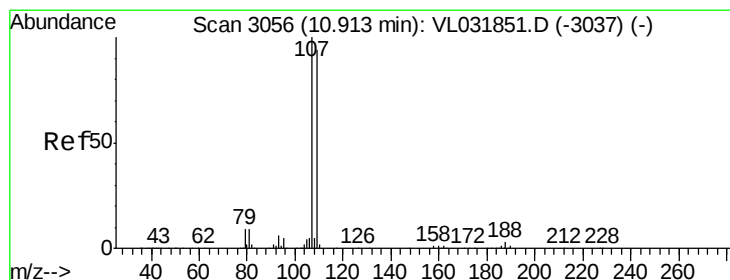
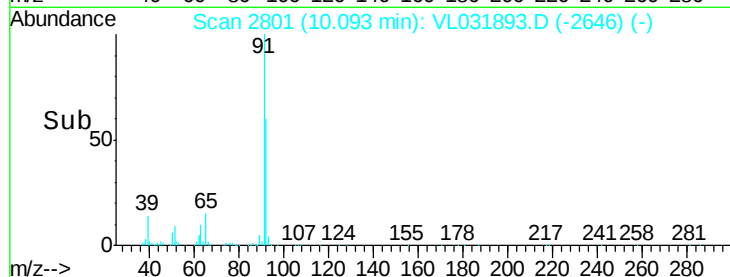
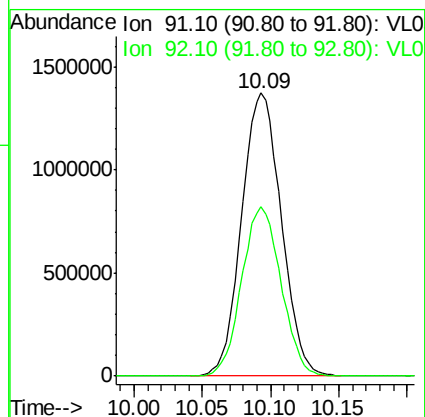
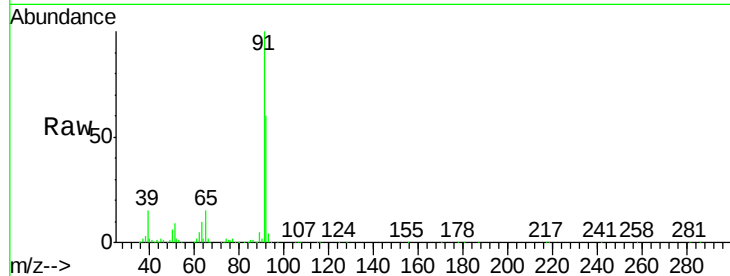
VL0419ABS01

Tgt Ion: 91 Resp: 2768503

Ion Ratio Lower Upper

91 100

92 59.7 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.62 ppbv

RT: 10.91 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VL031893.D

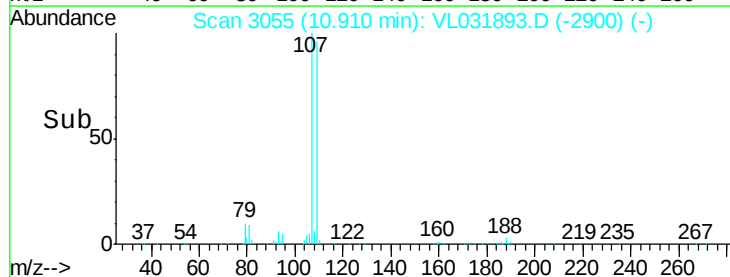
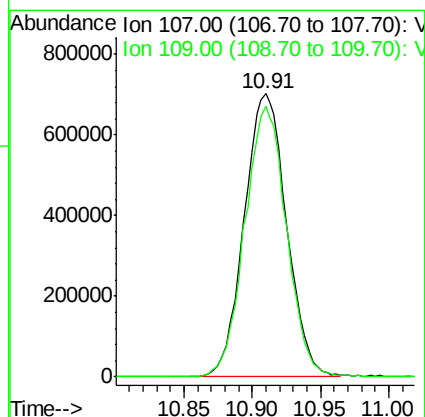
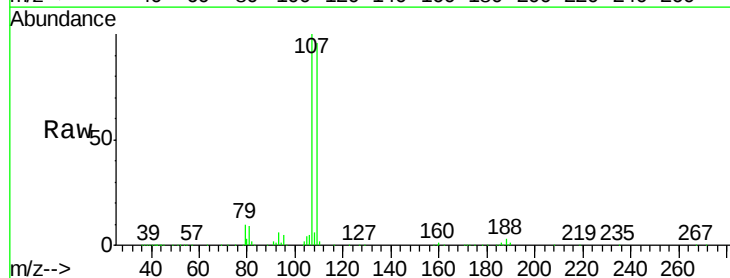
Acq: 20 Apr 2018 00:52

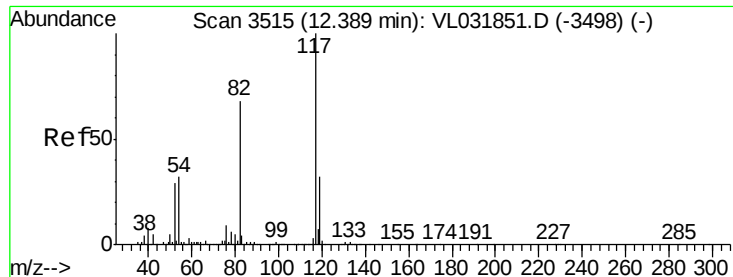
Tgt Ion: 107 Resp: 1509583

Ion Ratio Lower Upper

107 100

109 95.8 74.6 112.0

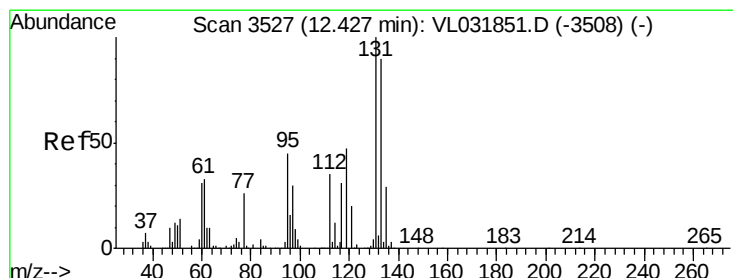
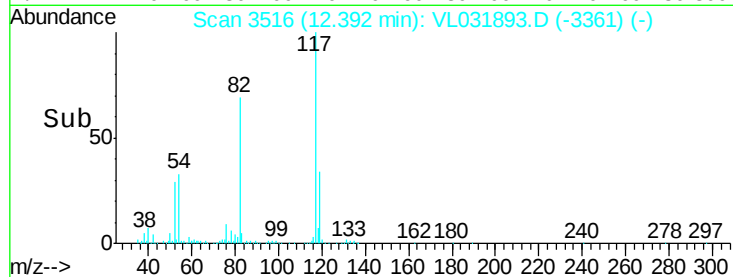
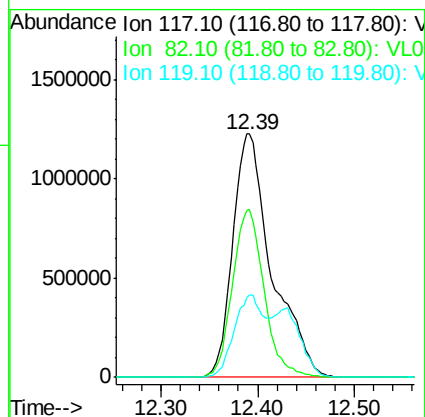
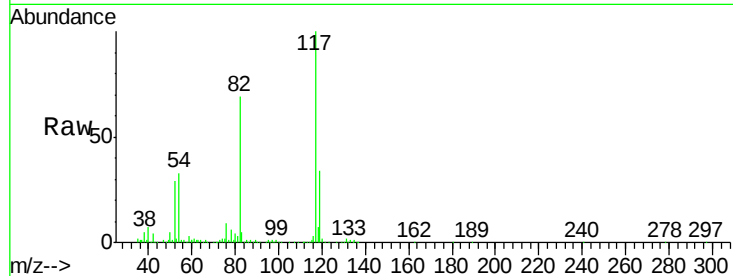




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

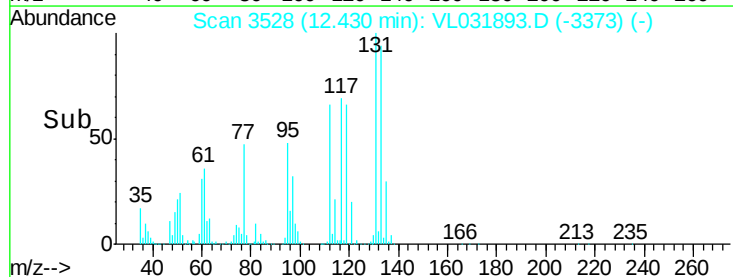
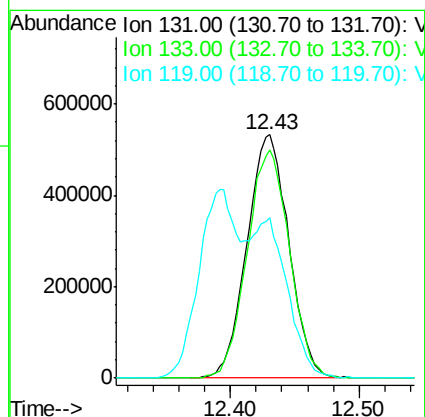
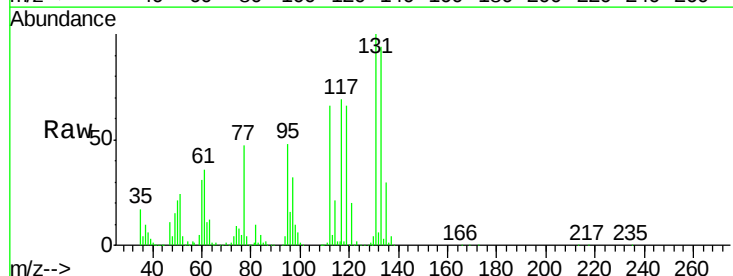
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

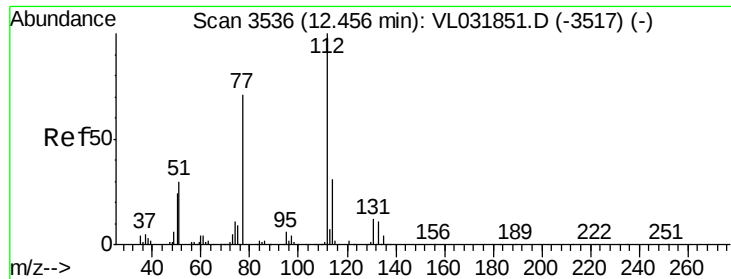
Tgt Ion:117 Resp: 3446522
Ion Ratio Lower Upper
117 100
82 56.1 54.6 81.8
119 46.4 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.43 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion:131 Resp: 1205261
Ion Ratio Lower Upper
131 100
133 95.0 76.1 114.1
119 132.8 106.3 159.5





#57

Chlorobenzene

Concen: 7.39 ppbv

RT: 12.45 min Scan# 3534

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

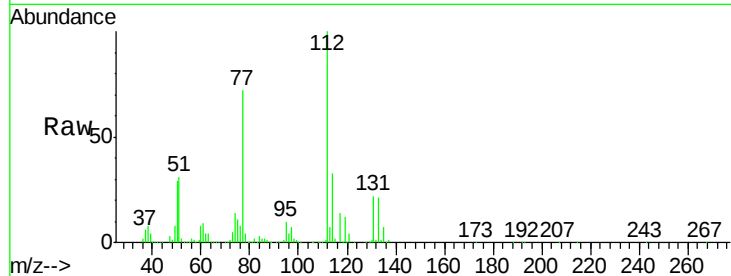
Tgt Ion: 112 Resp: 2158917

Ion Ratio Lower Upper

112 100

77 71.7 57.0 85.6

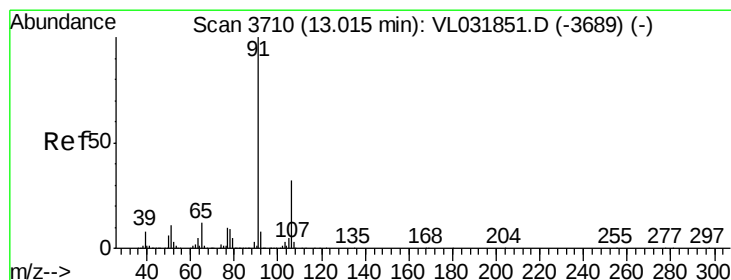
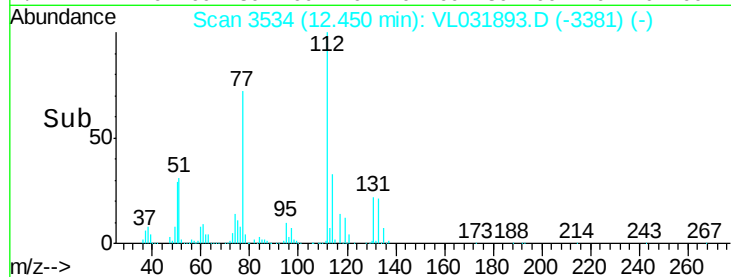
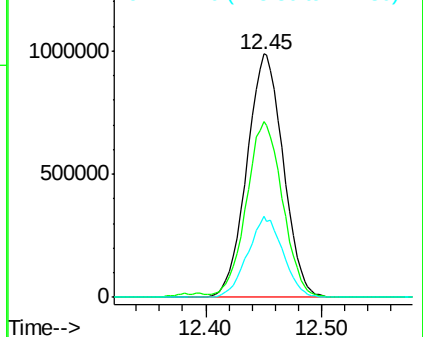
114 33.4 28.5 34.9



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: 8.27 ppbv

RT: 13.01 min Scan# 3709

Delta R.T. -0.00 min

Lab File: VL031893.D

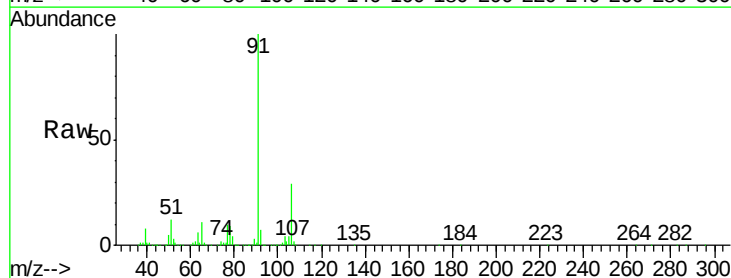
Acq: 20 Apr 2018 00:52

Tgt Ion: 91 Resp: 3960092

Ion Ratio Lower Upper

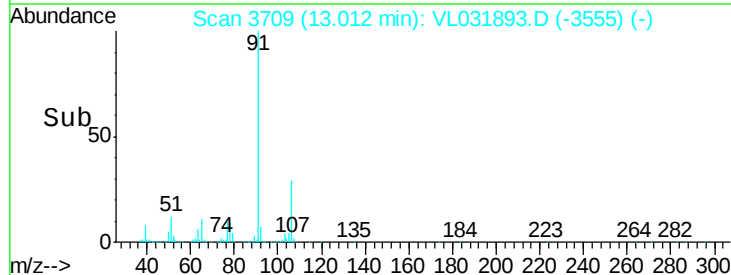
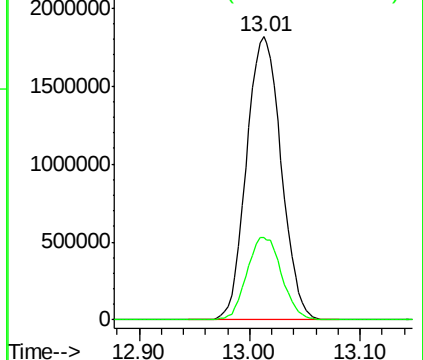
91 100

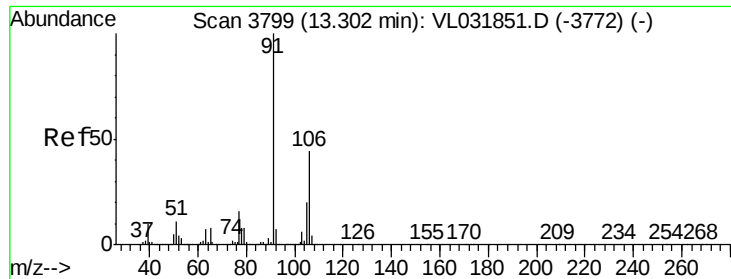
106 29.1 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.48 ppbv

RT: 13.30 min Scan# 3799

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

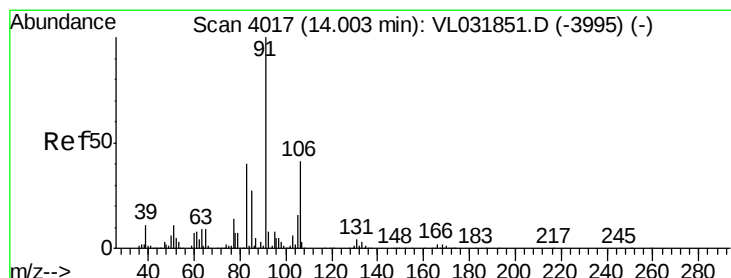
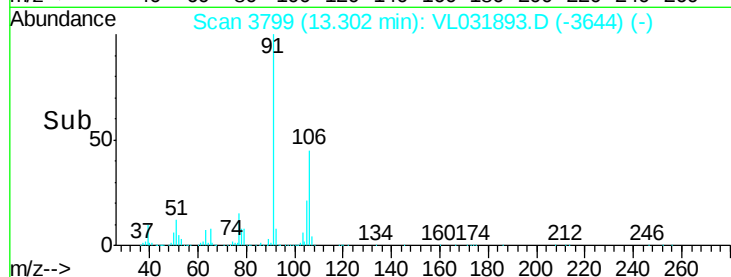
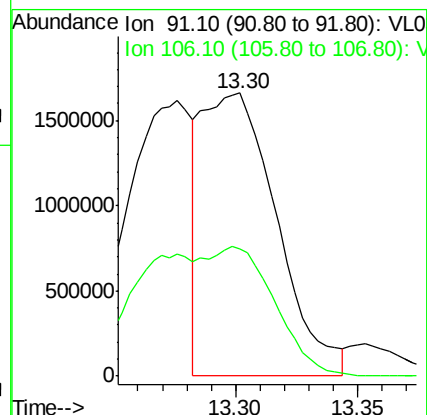
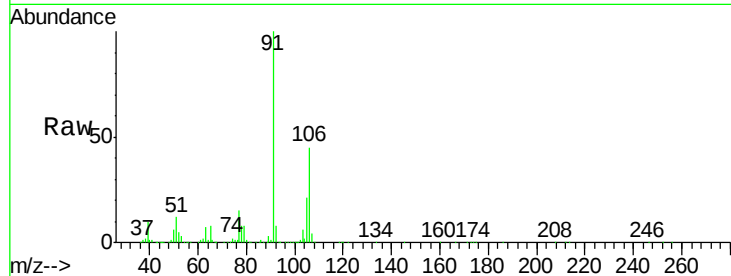
VL0419ABS01

Tgt Ion: 91 Resp: 3523756

Ion Ratio Lower Upper

91 100

106 82.5 35.5 53.3#



#60

o-Xylene

Concen: 8.10 ppbv

RT: 14.00 min Scan# 4016

Delta R.T. -0.00 min

Lab File: VL031893.D

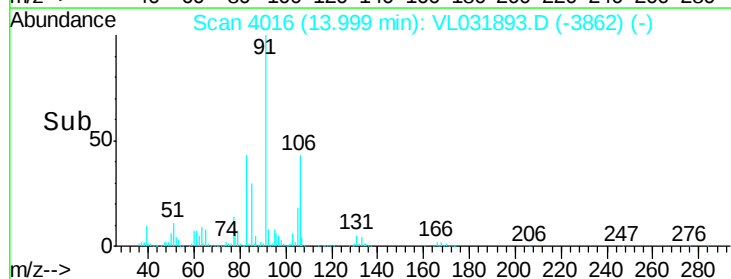
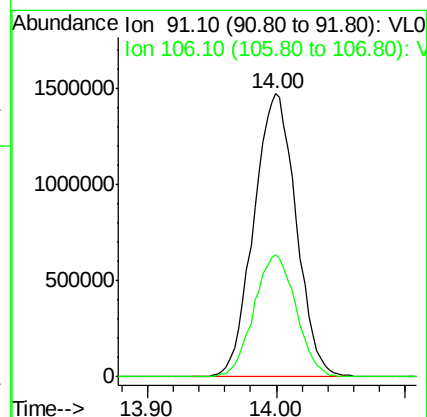
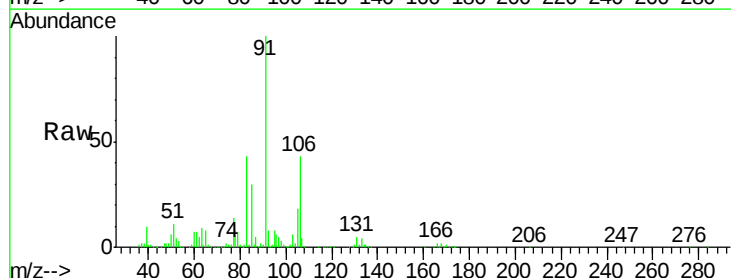
Acq: 20 Apr 2018 00:52

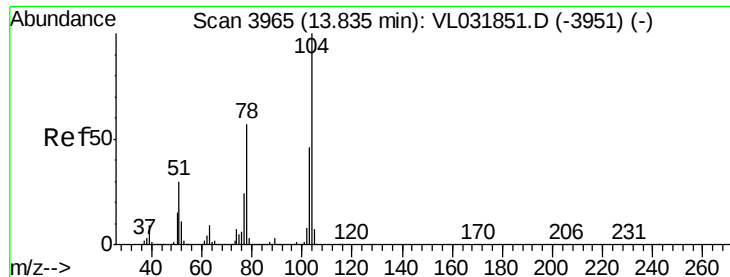
Tgt Ion: 91 Resp: 3363359

Ion Ratio Lower Upper

91 100

106 42.8 21.3 63.9





#61

Styrene

Concen: 9.14 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

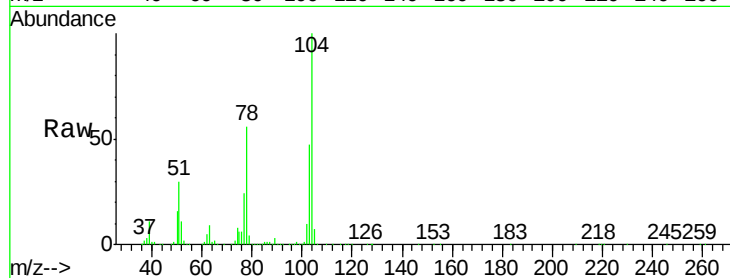
Tgt Ion:104 Resp: 722793

Ion Ratio Lower Upper

104 100

78 55.8 44.4 66.6

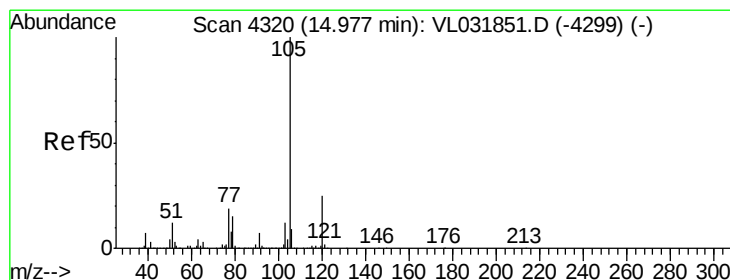
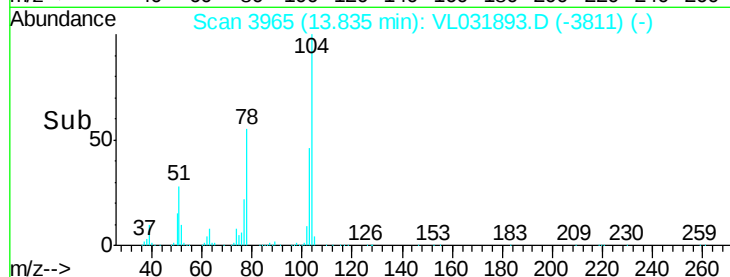
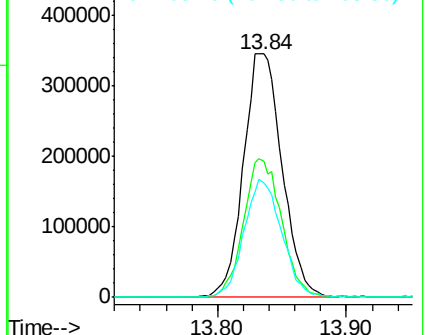
103 47.3 37.9 56.9



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: 7.91 ppbv

RT: 14.97 min Scan# 4318

Delta R.T. -0.01 min

Lab File: VL031893.D

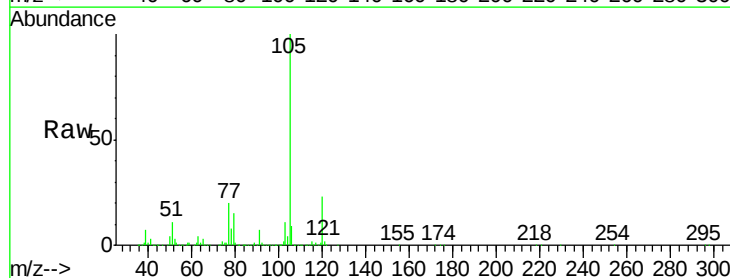
Acq: 20 Apr 2018 00:52

Tgt Ion:105 Resp: 4219557

Ion Ratio Lower Upper

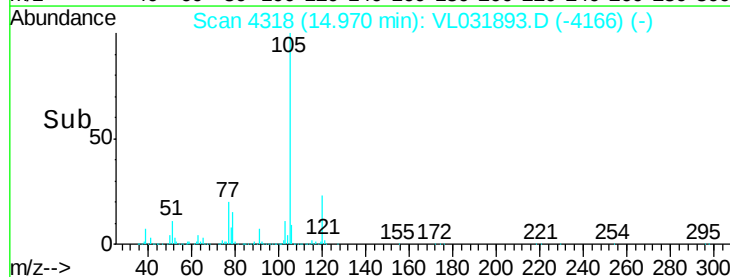
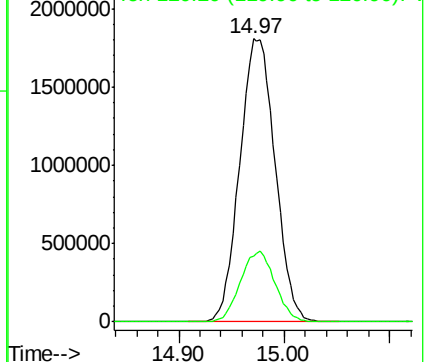
105 100

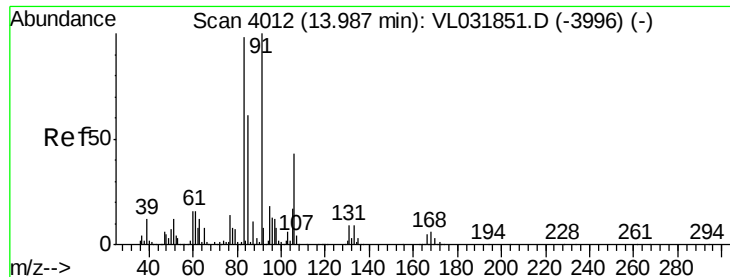
120 24.3 19.4 29.2



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: 7.09 ppbv

RT: 13.98 min Scan# 4011

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

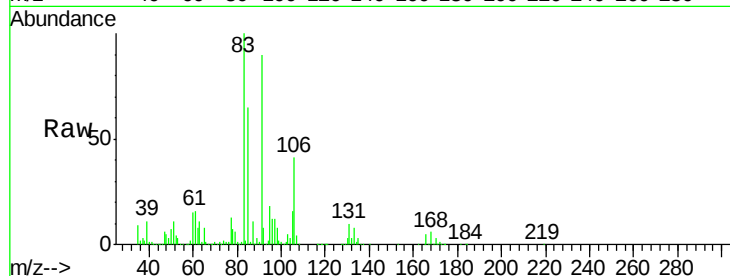
Tgt Ion: 83 Resp: 2265683

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

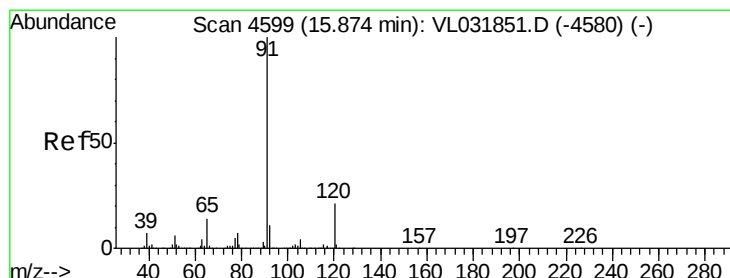
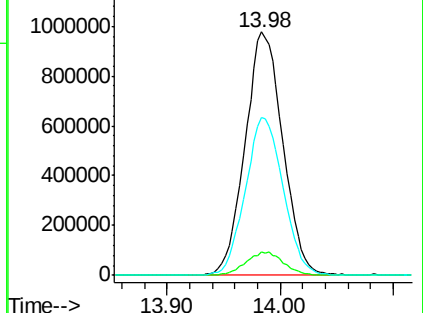
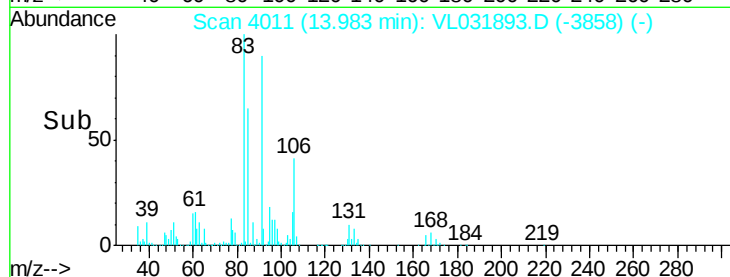
85 65.1 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.03 ppbv

RT: 15.87 min Scan# 4598

Delta R.T. -0.01 min

Lab File: VL031893.D

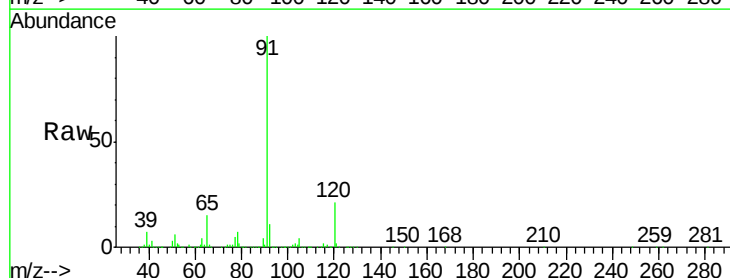
Acq: 20 Apr 2018 00:52

Tgt Ion: 120 Resp: 1041343

Ion Ratio Lower Upper

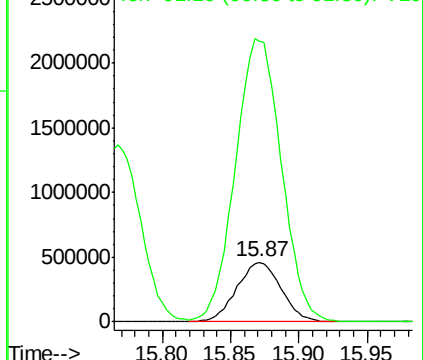
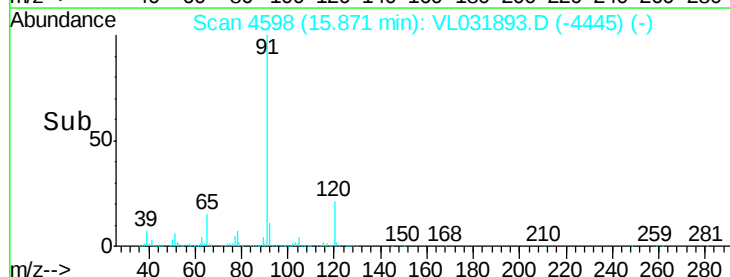
120 100

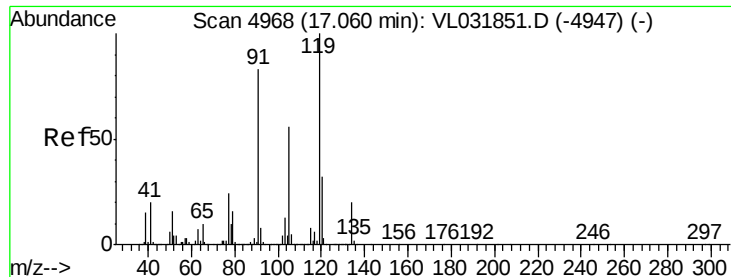
91 492.9 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.93 ppbv

RT: 17.06 min Scan# 4967

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

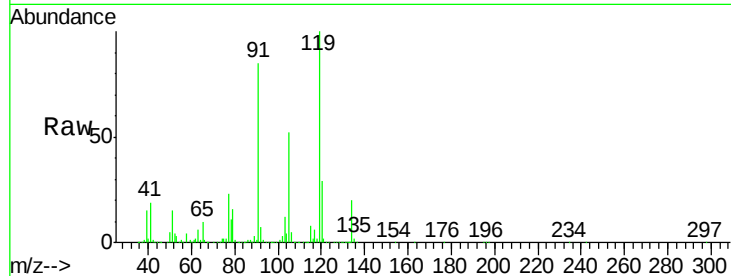
Tgt Ion: 119 Resp: 3639587

Ion Ratio Lower Upper

119 100

91 86.7 69.4 104.0

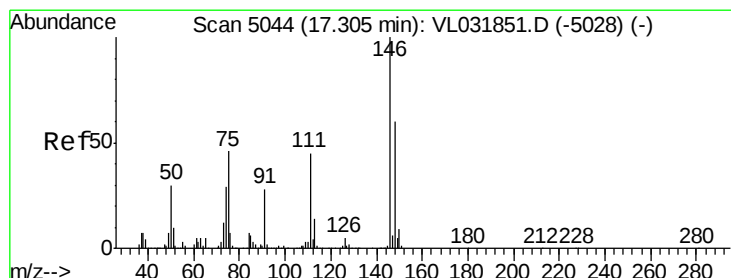
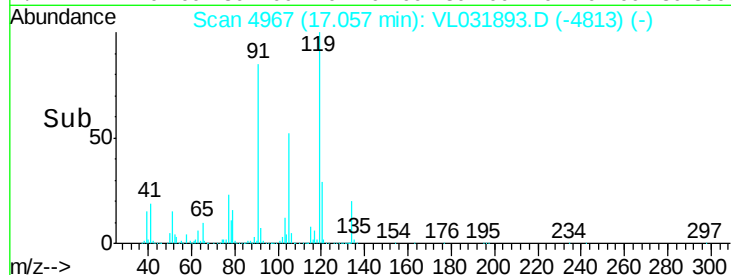
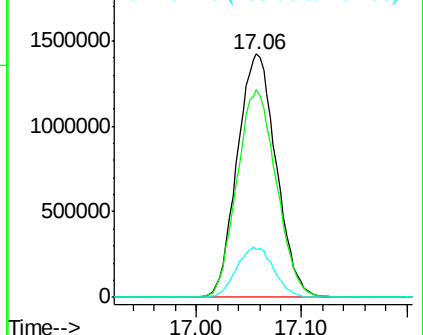
134 19.7 15.4 23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 4.90 ppbv

RT: 17.31 min Scan# 5045

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

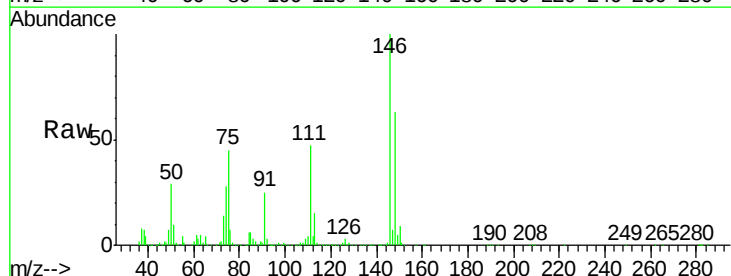
Tgt Ion: 91 Resp: 202564

Ion Ratio Lower Upper

91 100

126 33.7 12.6 19.0#

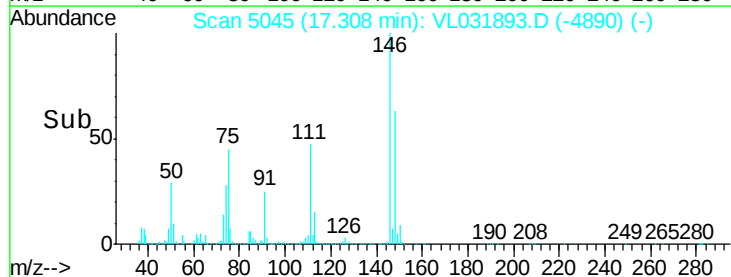
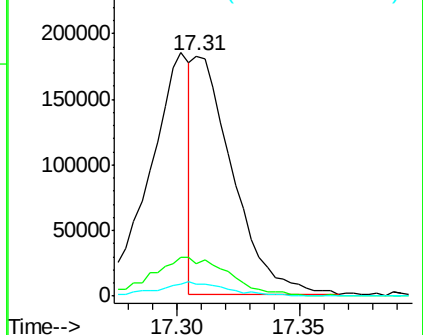
128 10.8 4.0 6.0#

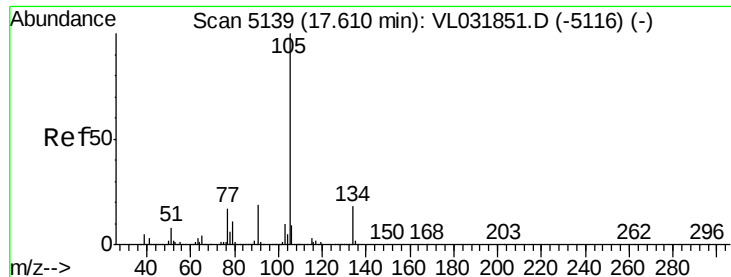


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

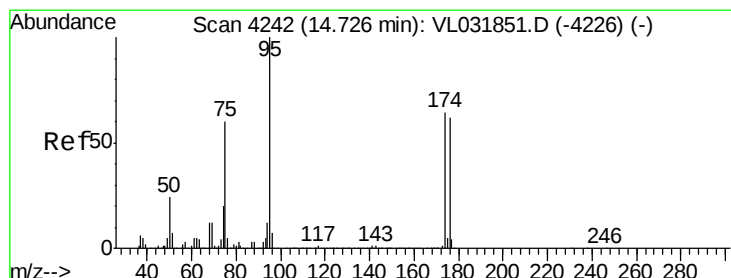
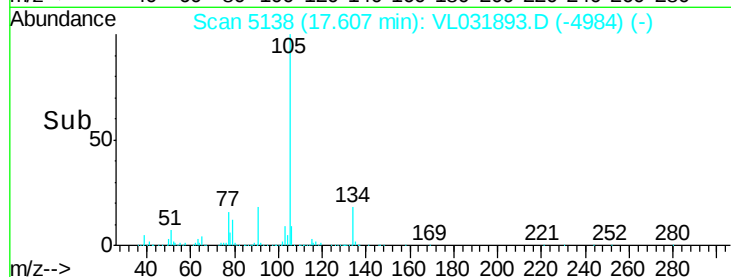
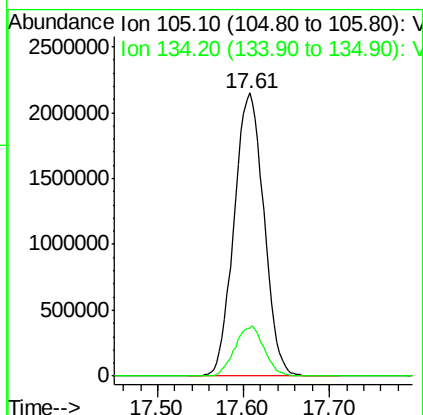
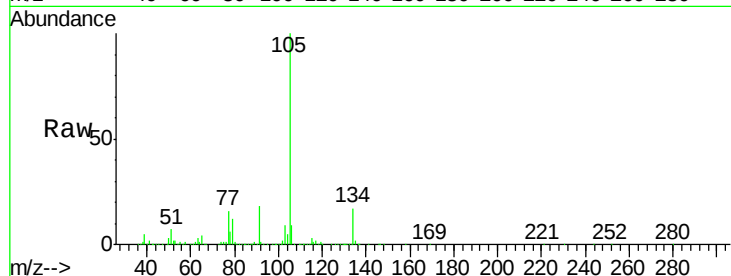




#67
 sec-Butylbenzene
 Concen: 7.83 ppbv
 RT: 17.61 min Scan# 5138
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

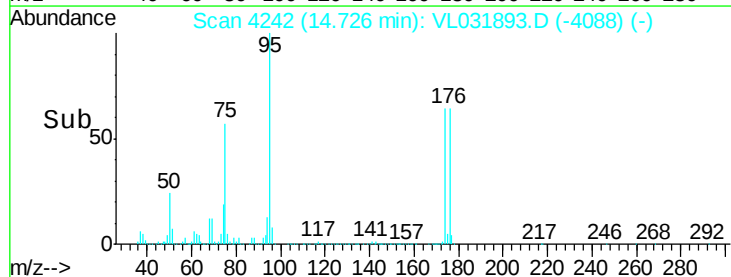
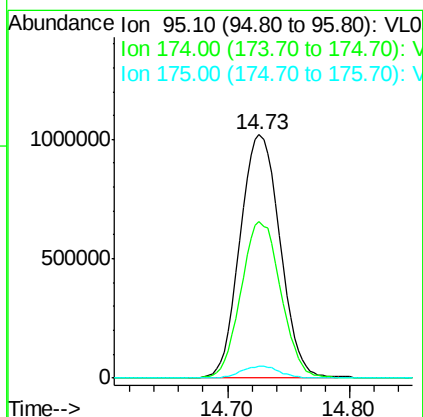
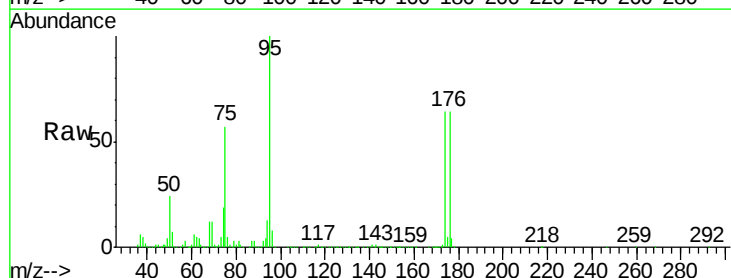
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

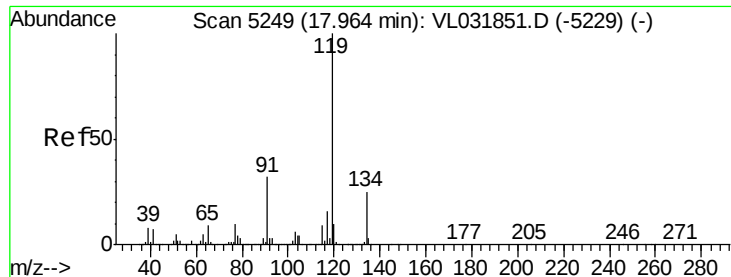
Tgt Ion: 105 Resp: 5177619
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.34 ppbv
 RT: 14.73 min Scan# 4242
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion: 95 Resp: 2312370
 Ion Ratio Lower Upper
 95 100
 174 64.1 52.3 78.5
 175 4.8 3.9 5.9

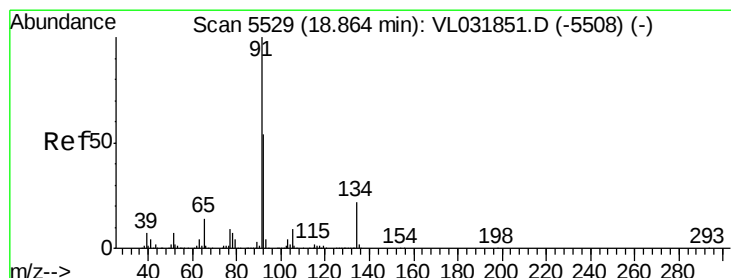
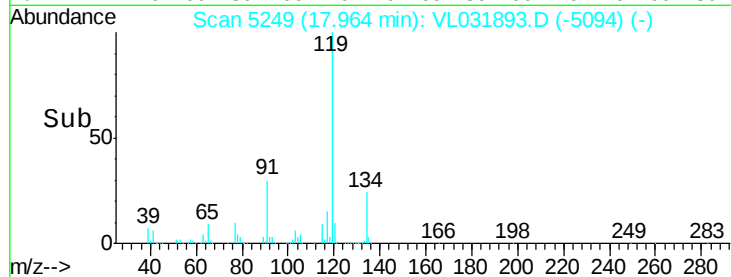
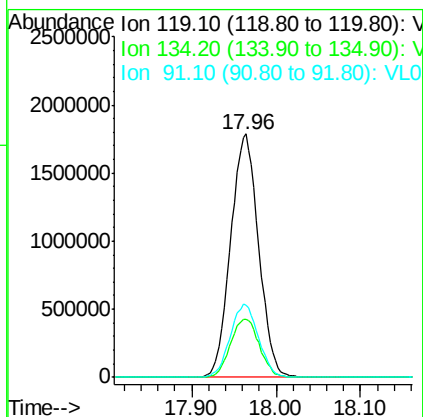
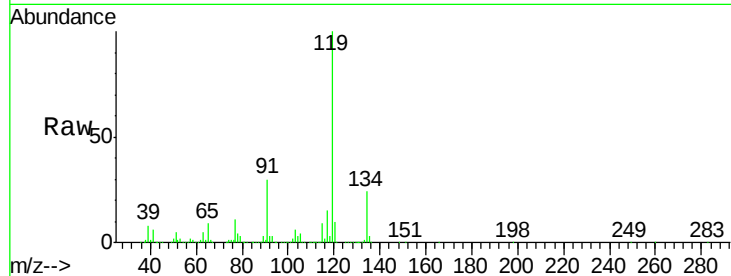




#69
p-Isopropyltoluene
Concen: 8.02 ppbv
RT: 17.96 min Scan# 5249
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

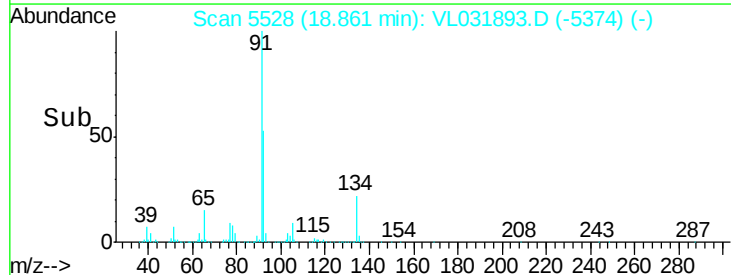
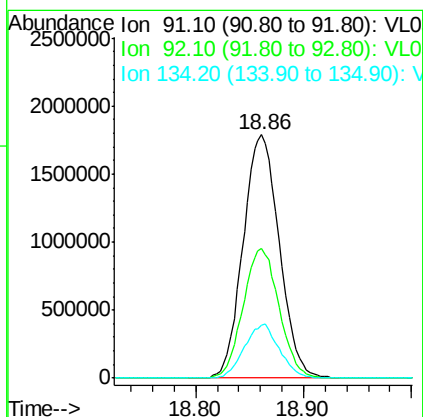
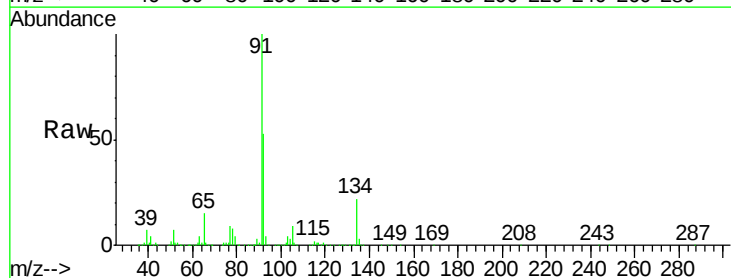
Instrument :
MSVOA_L
ClientSampleId :
VL0419ABS01

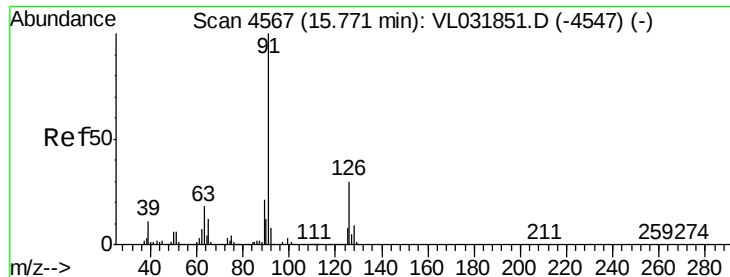
Tgt Ion: 119 Resp: 4108015
Ion Ratio Lower Upper
119 100
134 24.8 20.0 30.0
91 30.3 24.9 37.3



#70
n-Butylbenzene
Concen: 7.81 ppbv
RT: 18.86 min Scan# 5528
Delta R.T. -0.00 min
Lab File: VL031893.D
Acq: 20 Apr 2018 00:52

Tgt Ion: 91 Resp: 4167380
Ion Ratio Lower Upper
91 100
92 52.8 42.2 63.4
134 21.5 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.10 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

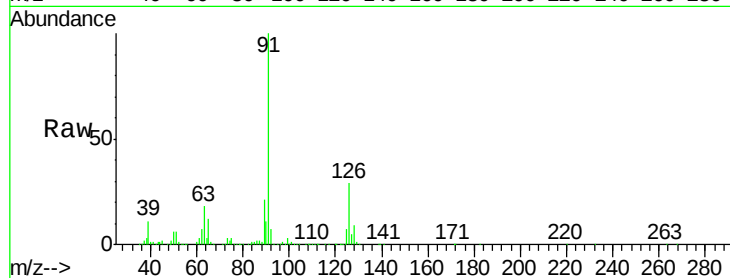
VL0419ABS01

Tgt Ion: 91 Resp: 3125315

Ion Ratio Lower Upper

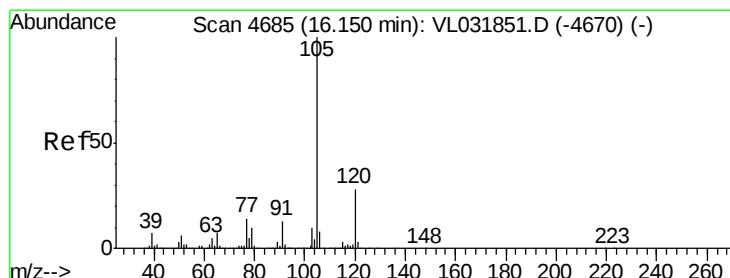
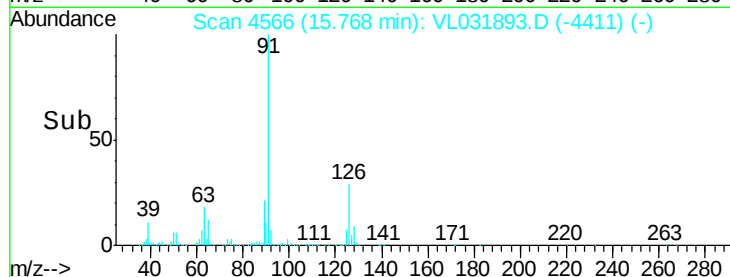
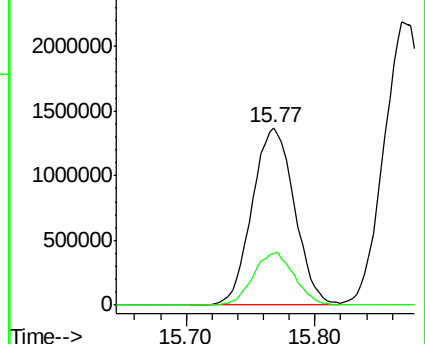
91 100

126 28.9 11.6 46.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.95 ppbv

RT: 16.15 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Tgt Ion: 105 Resp: 3375930

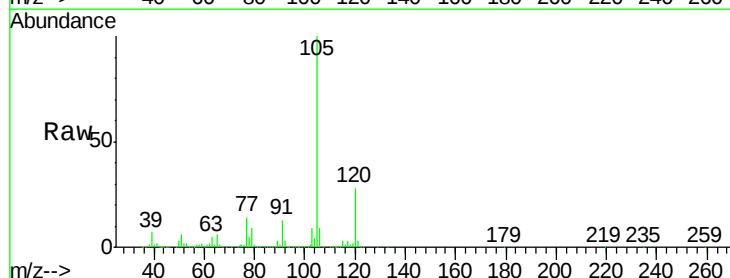
Ion Ratio Lower Upper

105 100

120 28.4 22.7 34.1

91 13.5 10.6 16.0

77 14.9 11.4 17.0

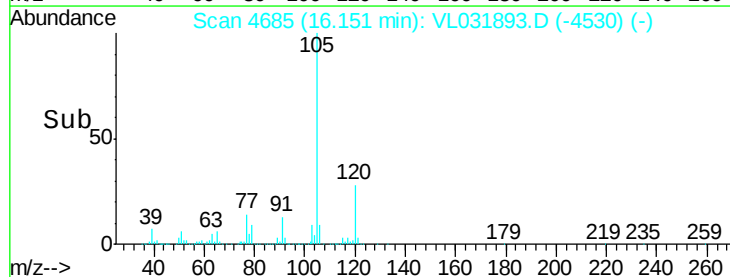
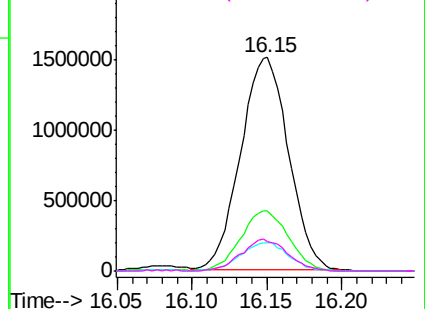


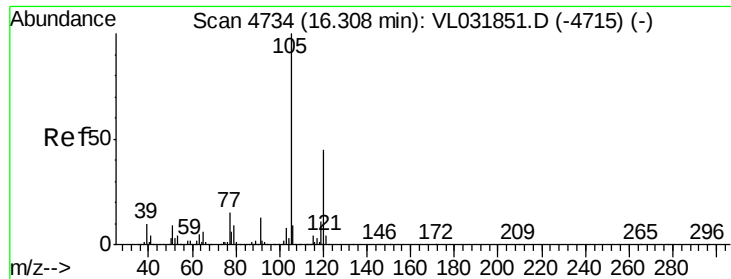
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

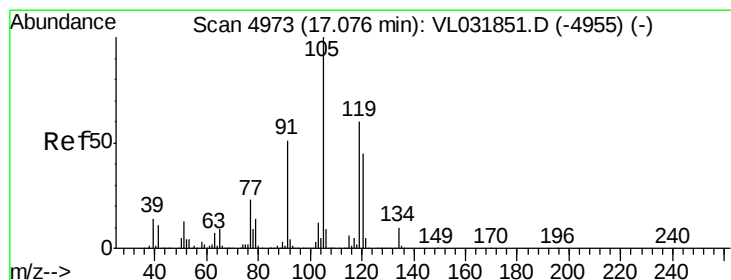
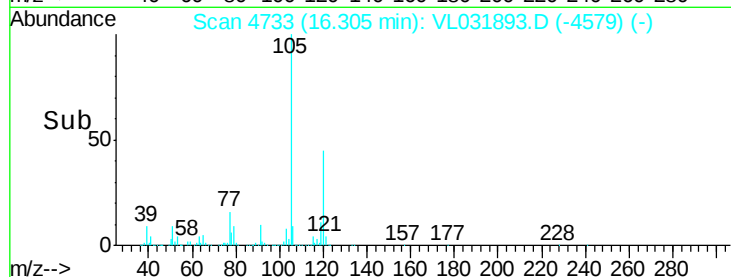
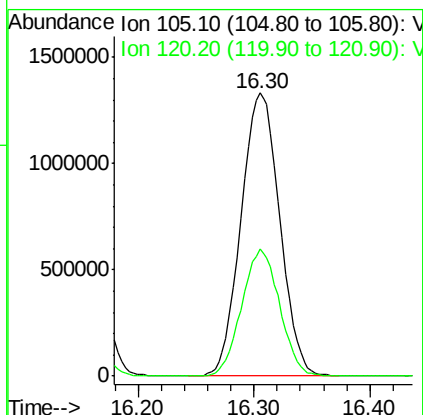
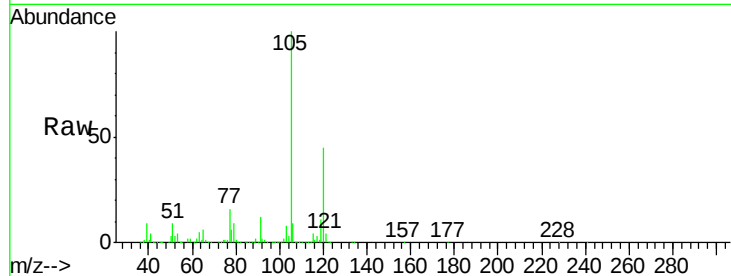




#73
 1,3,5-Trimethylbenzene
 Concen: 7.93 ppbv
 RT: 16.30 min Scan# 4733
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

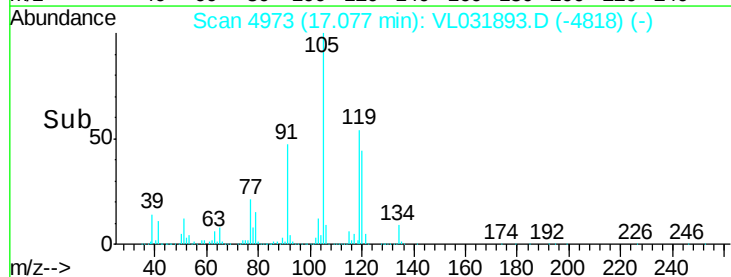
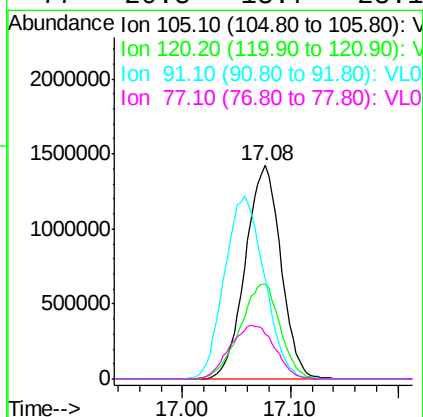
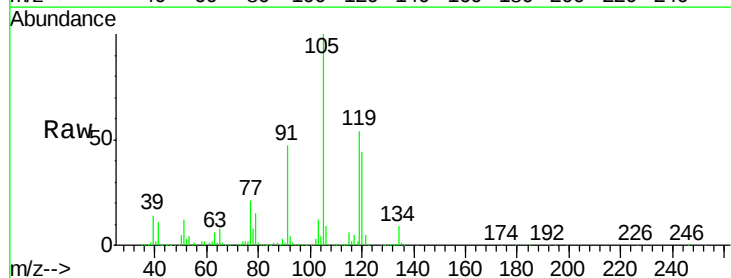
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

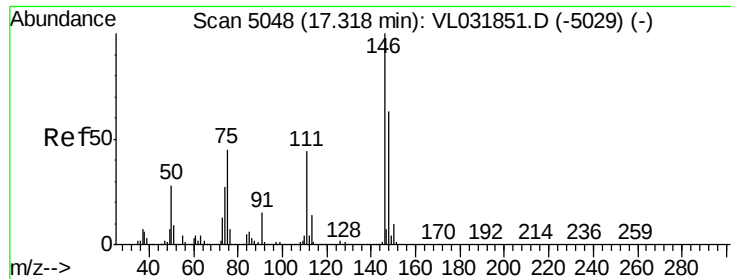
Tgt Ion:105 Resp: 3082576
 Ion Ratio Lower Upper
 105 100
 120 45.2 35.3 52.9



#74
 1,2,4-Trimethylbenzene
 Concen: 7.50 ppbv
 RT: 17.08 min Scan# 4973
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:105 Resp: 3254598
 Ion Ratio Lower Upper
 105 100
 120 44.0 37.0 55.4
 91 46.6 43.0 64.4
 77 20.8 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 7.34 ppbv

RT: 17.31 min Scan# 5047

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

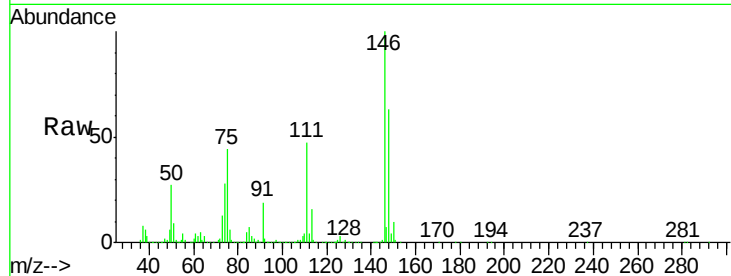
Tgt Ion:146 Resp: 1951956

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.4

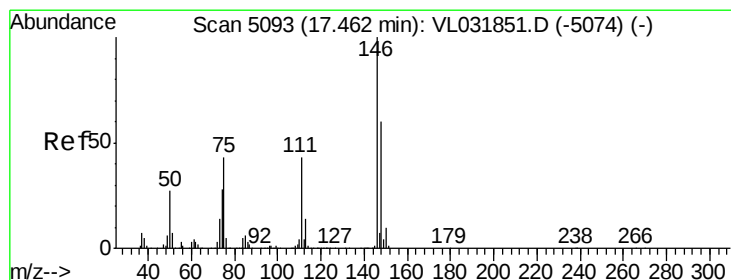
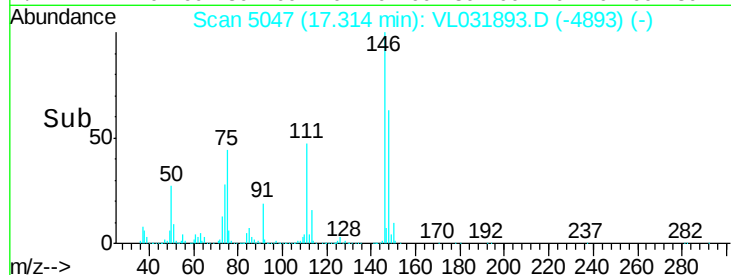
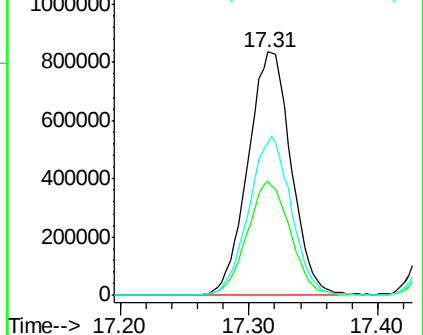
148 64.2 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.60 ppbv

RT: 17.46 min Scan# 5091

Delta R.T. -0.01 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

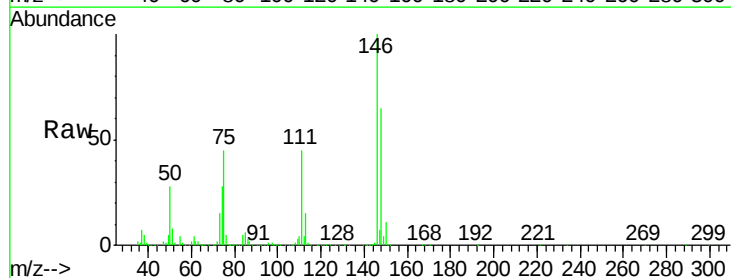
Tgt Ion:146 Resp: 1961543

Ion Ratio Lower Upper

146 100

111 45.5 22.9 68.7

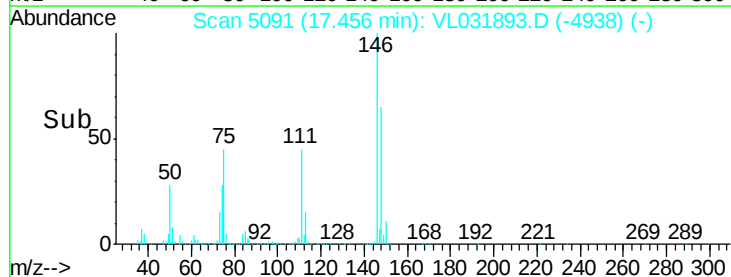
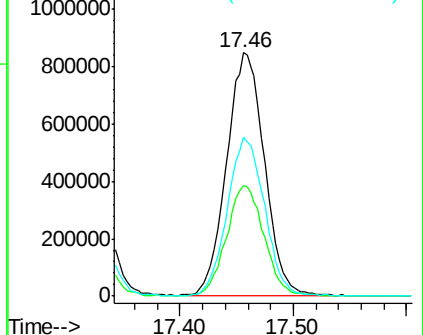
148 65.0 32.0 96.0

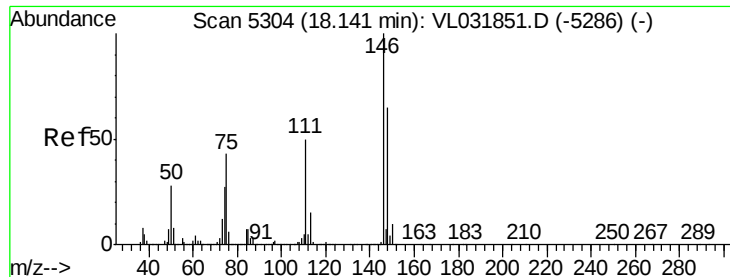


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

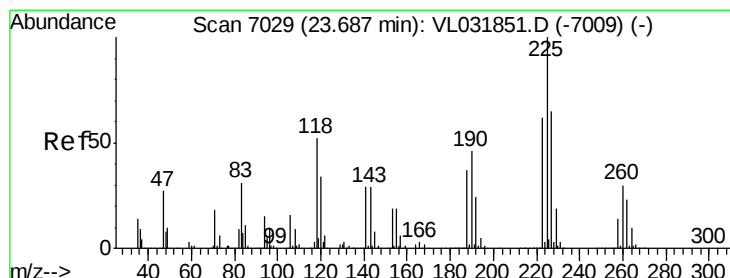
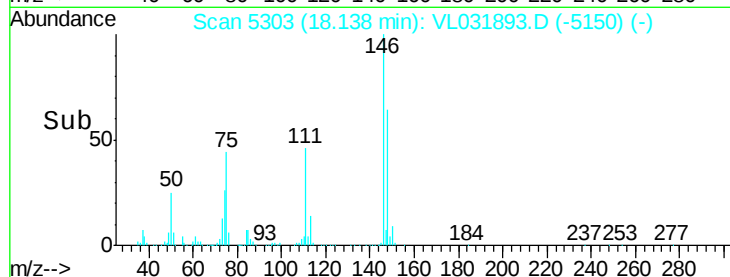
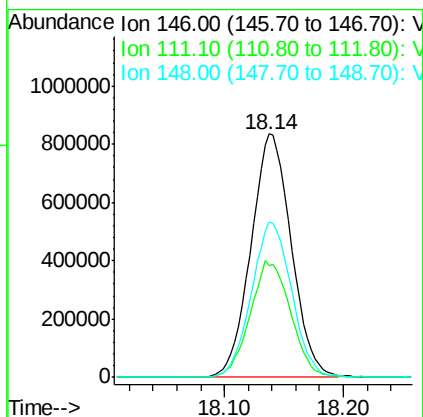
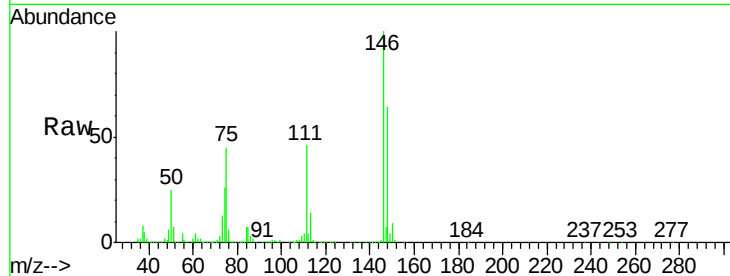




#77
 1,2-Dichlorobenzene
 Concen: 7.45 ppbv
 RT: 18.14 min Scan# 5303
 Delta R.T. -0.01 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

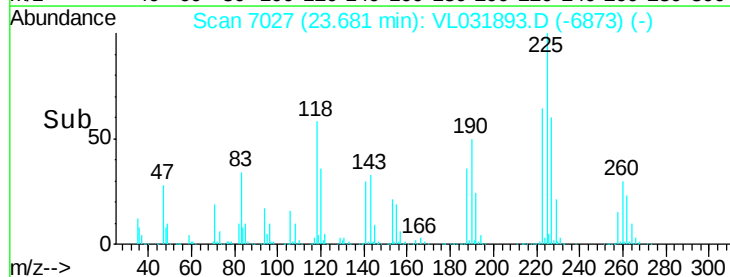
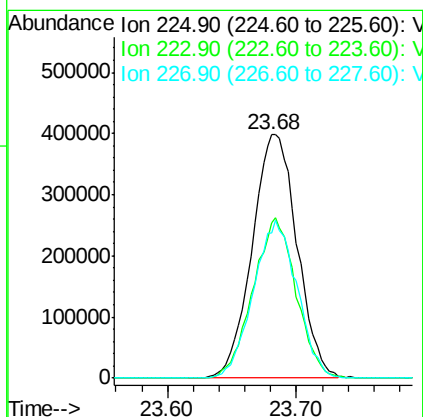
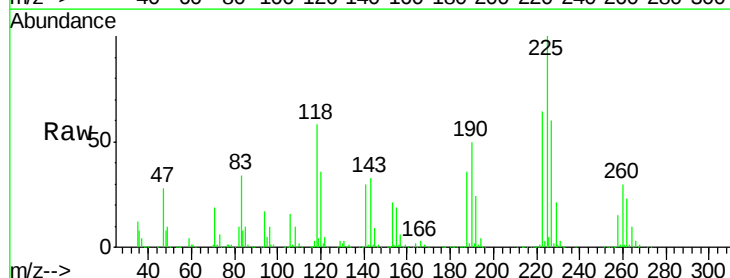
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

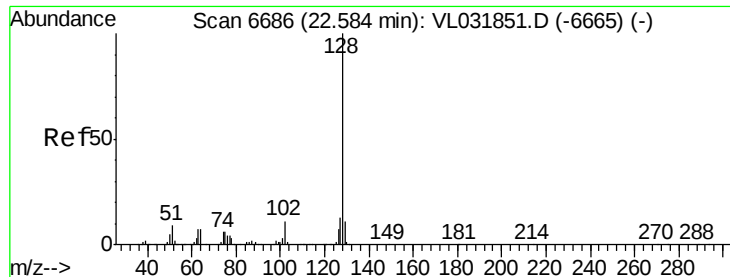
Tgt Ion:146 Resp: 1951525
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.3 72.8
 148 64.0 31.8 95.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.61 ppbv
 RT: 23.68 min Scan# 7027
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Tgt Ion:225 Resp: 966372
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.6 76.0
 227 62.8 52.2 78.4





#79

Naphthalene

Concen: 8.03 ppbv

RT: 22.59 min Scan# 6687

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

Instrument :

MSVOA_L

ClientSampleId :

VL0419ABS01

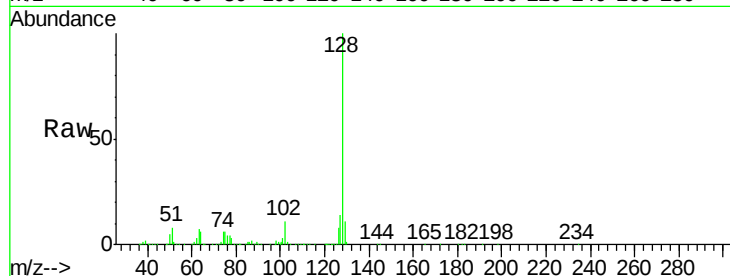
Tgt Ion:128 Resp: 1961663

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

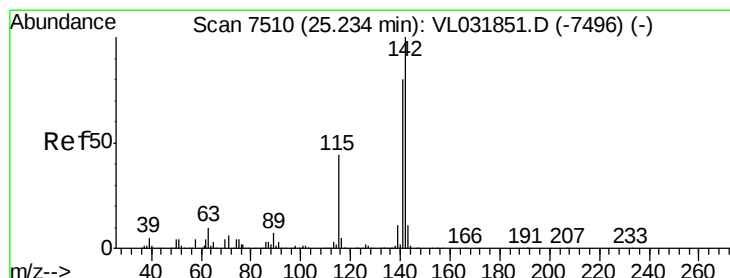
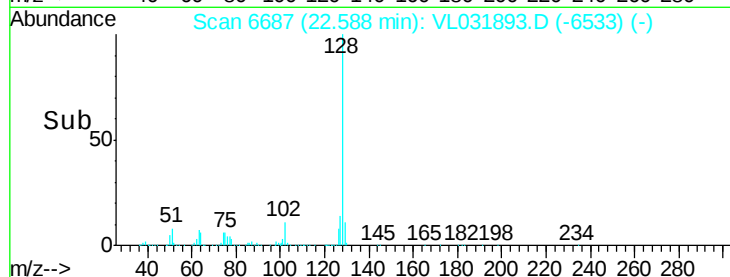
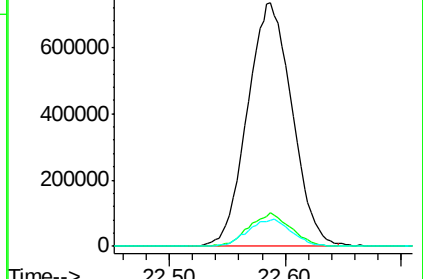
129 10.8 9.4 14.2



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: 5.58 ppbv

RT: 25.23 min Scan# 7509

Delta R.T. -0.00 min

Lab File: VL031893.D

Acq: 20 Apr 2018 00:52

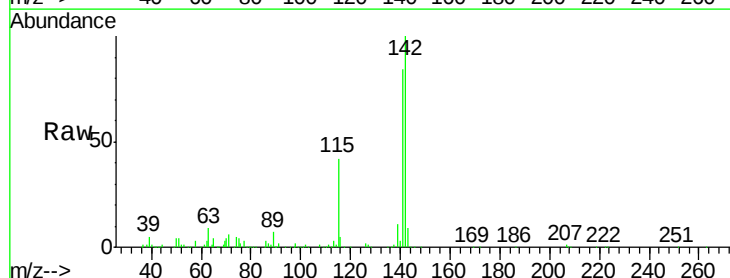
Tgt Ion:142 Resp: 265910

Ion Ratio Lower Upper

142 100

141 85.2 67.0 100.4

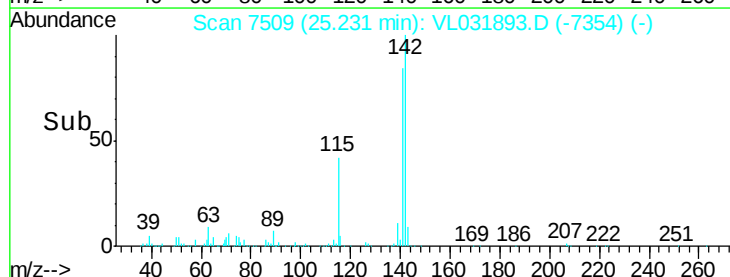
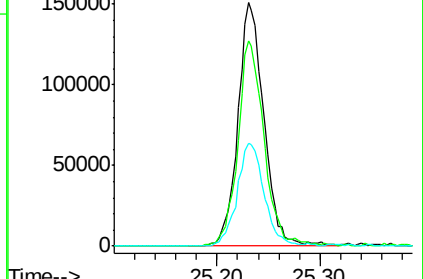
115 44.3 35.3 52.9

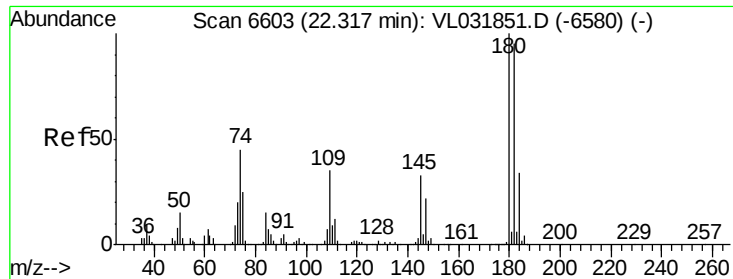


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.21 ppbv
 RT: 22.31 min Scan# 6601
 Delta R.T. -0.00 min
 Lab File: VL031893.D
 Acq: 20 Apr 2018 00:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Tgt Ion	Resp	Lower	Upper
180	976699		
182	96.0	76.3	114.5
184	30.3	24.2	36.2

