

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032455.D
 Acq On : 5 Sep 2018 13:22
 Operator : SY/AP
 Sample : VL0905ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Quant Time: Sep 06 04:58:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1526724	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3329452	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	4084735	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2472482	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.10	85	1428452	7.314	ppbv	100
3) Chlorodifluoromethane	3.04	51	1402426	10.148	ppbv	100
4) Chloromethane	3.20	50	831273	9.934	ppbv	99
5) Vinyl Chloride	3.32	62	778965	9.431	ppbv	96
6) Bromomethane	3.54	94	440076	10.150	ppbv	97
7) Chloroethane	3.63	64	281930	9.862	ppbv	96
8) Dichlorotetrafluoroethane	3.25	85	1647970	9.508	ppbv	98
9) Propene	3.06	41	689010	12.359	ppbv	100
10) Heptane	8.30	43	2340656	11.703	ppbv	98
11) Trichlorofluoromethane	4.04	101	1662723	9.442	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1116351	9.355	ppbv	98
13) Ethanol	3.68	45	160332	9.226	ppbv	97
14) Bromoethene	3.82	108	537159	10.625	ppbv	100
15) Acetone	3.93	43	1334830	9.709	ppbv	98
16) 1,3-Butadiene	3.39	39	659402	10.192	ppbv	94
17) tert-Butyl alcohol	4.39	59	208555	9.857	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	541251	9.925	ppbv	99
19) Isopropyl Alcohol	4.05	45	1080619	11.981	ppbv #	96
20) Methylene Chloride	4.44	84	468484	8.937	ppbv	97
21) Allyl Chloride	4.51	41	990799	10.850	ppbv	96
22) trans-1,2-Dichloroethene	5.01	96	577077	9.752	ppbv	98
23) Vinyl Acetate	5.19	43	2977417	13.065	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1776060	9.458	ppbv	99
25) Ethyl Acetate	5.81	43	3367385	10.372	ppbv	99
26) Hexane	5.82	57	1499511	10.315	ppbv	96
27) Carbon Disulfide	4.66	76	1527864	11.385	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2198837	12.319	ppbv	99
29) Chloroform	5.89	83	2163580	9.761	ppbv	98
30) Cyclohexane	7.30	84	1278030	12.006	ppbv	100
31) cis-1,2-Dichloroethene	5.68	61	1575221	11.966	ppbv	100
32) 1,1,1-Trichloroethane	6.66	97	2068058	10.009	ppbv	98
34) 2-Butanone	5.37	43	2399764	10.851	ppbv	99
35) Carbon Tetrachloride	7.18	117	2072940	9.263	ppbv	98
36) Benzene	7.05	78	3058120	10.793	ppbv	100
37) 1,2-Dichloroethane	6.46	62	1696347	9.770	ppbv	100
38) Trichloroethene	8.01	130	1127740	10.478	ppbv	98
39) 1,2-Dichloropropane	7.78	63	1360685	11.224	ppbv	99
40) 1,4-Dioxane	8.00	88	443861	12.204	ppbv #	1
41) Tetrahydrofuran	6.19	42	1433276	11.905	ppbv	100
42) Bromodichloromethane	7.96	83	2566221	10.715	ppbv	99
43) Methyl Methacrylate	8.19	69	1416120	11.781	ppbv	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5831342	10.645	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1733718	13.479	ppbv	100
46) cis-1,3-Dichloropropene	8.89	75	2083306	12.675	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	1195026	9.272	ppbv	99
48) Dibromochloromethane	10.50	129	2065702	11.572	ppbv	100
49) Bromoform	13.26	173	1554282	10.018	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3592623	10.784	ppbv	99
51) 2-Hexanone	10.32	43	2935268	13.679	ppbv #	99
52) Tetrachloroethene	11.42	164	911267	10.372	ppbv	97
53) Toluene	10.00	91	3405855	11.500	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1772193	10.241	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.33	131	1349325	7.327	ppbv #	60
57) Chlorobenzene	12.36	112	2460140	7.536	ppbv	98
58) Ethyl Benzene	12.92	91	4595108	9.400	ppbv	98
59) m/p-Xylene	13.21	91	2912038	6.682	ppbv #	1
60) o-Xylene	13.90	91	3502480	8.182	ppbv	100
61) Styrene	13.74	104	2751392	9.928	ppbv	99
62) Isopropylbenzene	14.88	105	5176256	8.601	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	2594649	6.779	ppbv	99
64) n-propylbenzene	15.77	120	1349638	8.579	ppbv	97
65) tert-Butylbenzene	16.96	119	4292252	8.277	ppbv	99
66) Benzyl Chloride	17.21	91	2787019	9.648	ppbv	99
67) sec-Butylbenzene	17.51	105	6467464	8.293	ppbv	99
69) p-Isopropyltoluene	17.87	119	5195766	8.597	ppbv	99
70) n-Butylbenzene	18.76	91	5712720	8.338	ppbv	100
71) 2-Chlorotoluene	15.67	91	4124464	8.971	ppbv	99
72) 4-Ethyltoluene	16.05	105	4313262	9.229	ppbv	100
73) 1,3,5-Trimethylbenzene	16.21	105	4074614	8.702	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	4068914	7.948	ppbv	96
75) 1,3-Dichlorobenzene	17.22	146	2257906	7.434	ppbv	100
76) 1,4-Dichlorobenzene	17.36	146	2308435	8.191	ppbv	99
77) 1,2-Dichlorobenzene	18.04	146	2278363	7.774	ppbv	100
78) Hexachloro-1,3-Butadiene	23.59	225	753592	6.882	ppbv	99
79) Naphthalene	22.47	128	3965533	9.526	ppbv	99
80) Naphthalene,2-methyl-	25.15	142	1687825	15.238	ppbv	99
81) 1,2,4-Trichlorobenzene	22.19	180	1864263	8.892	ppbv	99

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

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Instrument :
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ClientSampleId :
VL0905ABS01

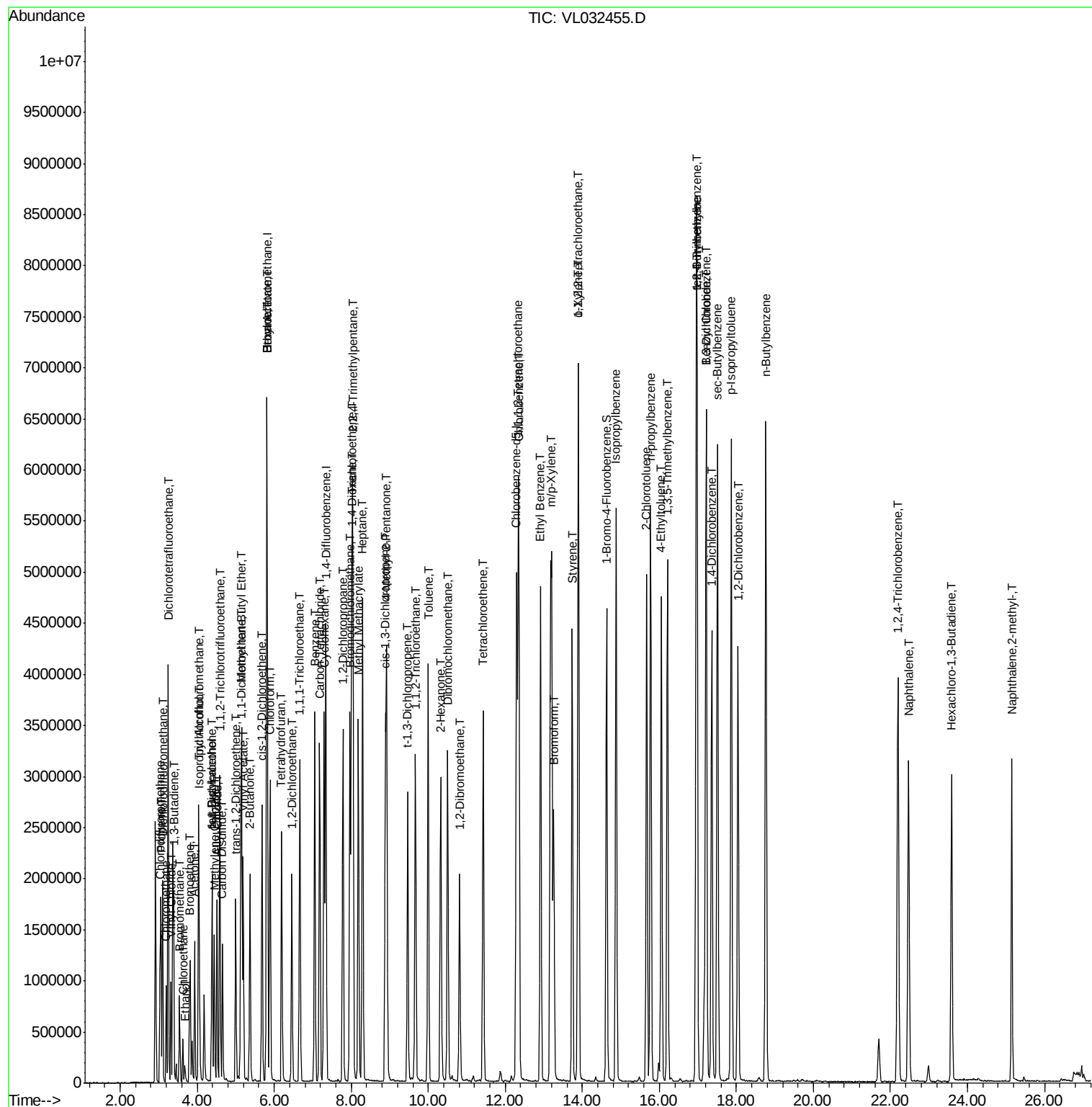
Quant Time: Sep 06 04:58:58 2018

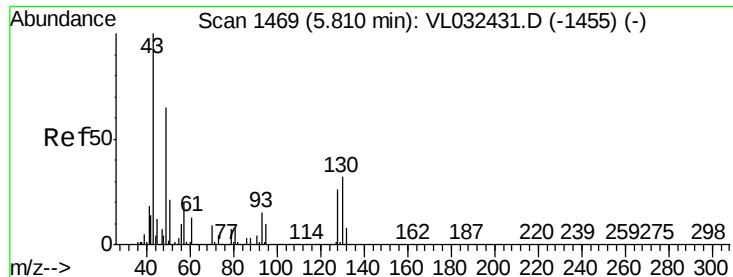
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

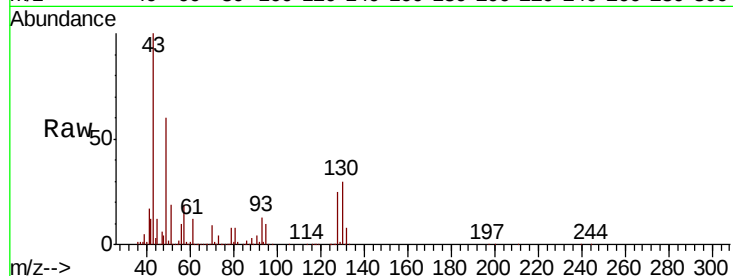
Tgt Ion: 49 Resp: 1526724

Ion Ratio Lower Upper

49 100

128 41.2 20.7 62.1

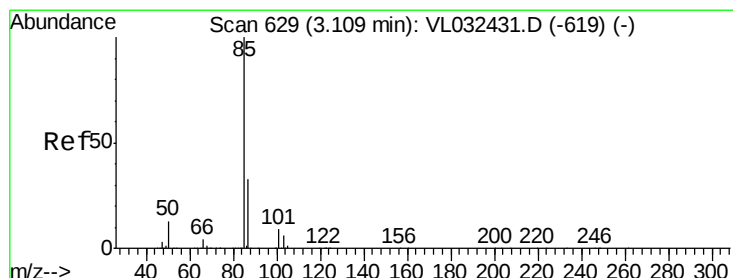
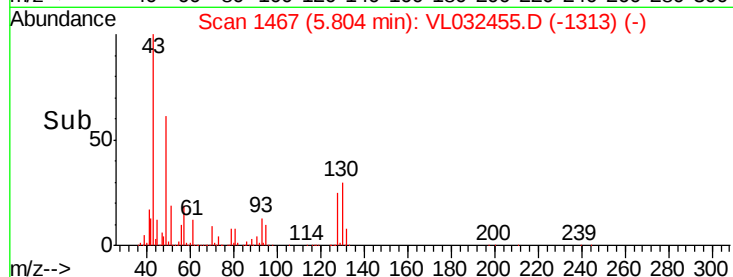
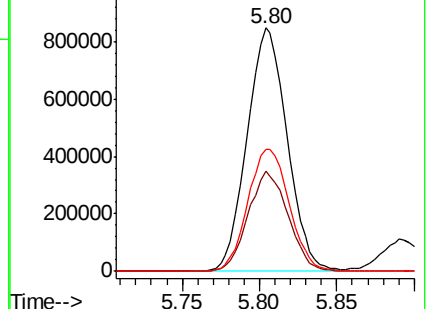
130 52.5 26.6 79.7



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: 7.314 ppbv

RT: 3.10 min Scan# 627

Delta R.T. -0.01 min

Lab File: VL032455.D

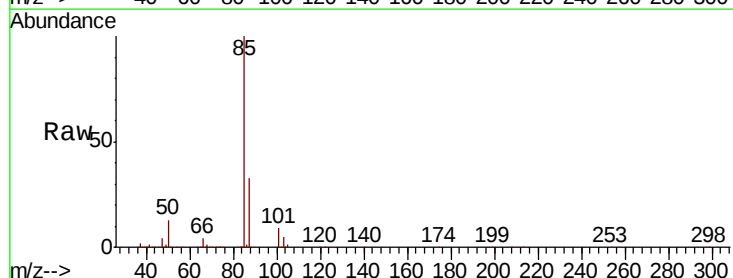
Acq: 5 Sep 2018 13:22

Tgt Ion: 85 Resp: 1428452

Ion Ratio Lower Upper

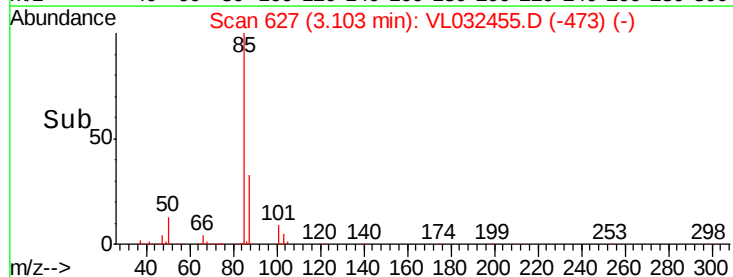
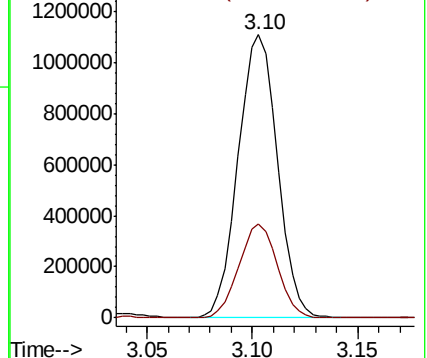
85 100

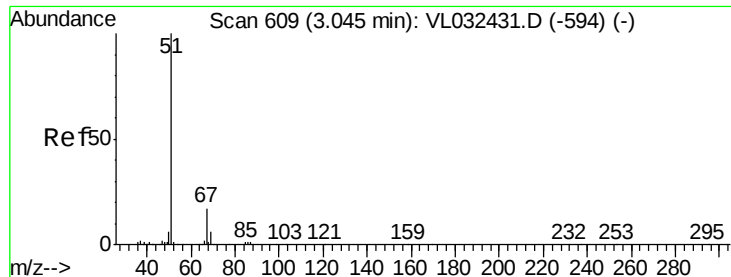
87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.148 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

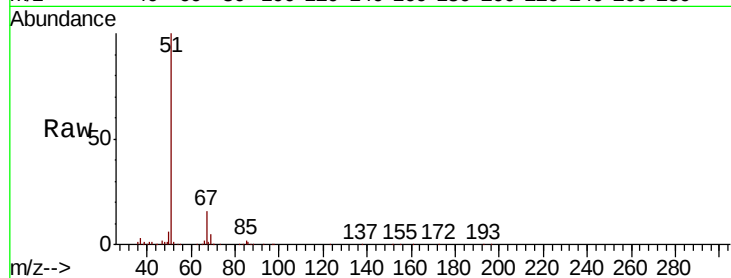
VL0905ABS01

Tgt Ion: 51 Resp: 1402426

Ion Ratio Lower Upper

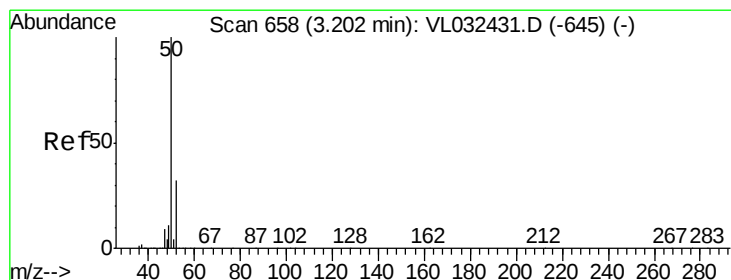
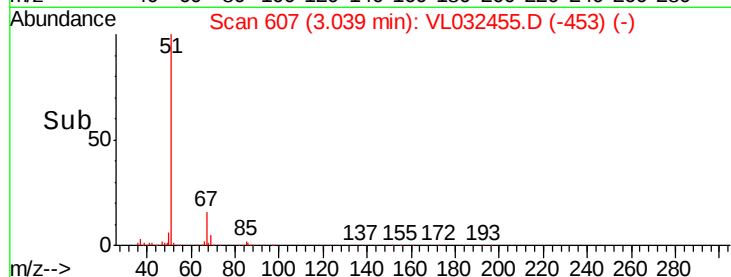
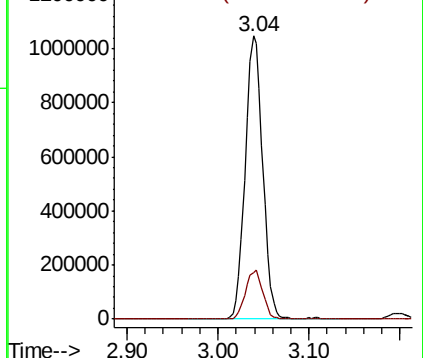
51 100

67 17.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.934 ppbv

RT: 3.20 min Scan# 656

Delta R.T. -0.01 min

Lab File: VL032455.D

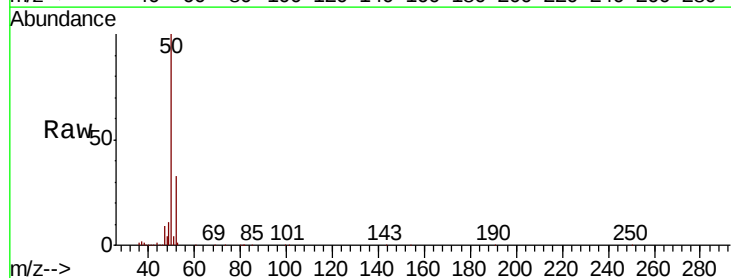
Acq: 5 Sep 2018 13:22

Tgt Ion: 50 Resp: 831273

Ion Ratio Lower Upper

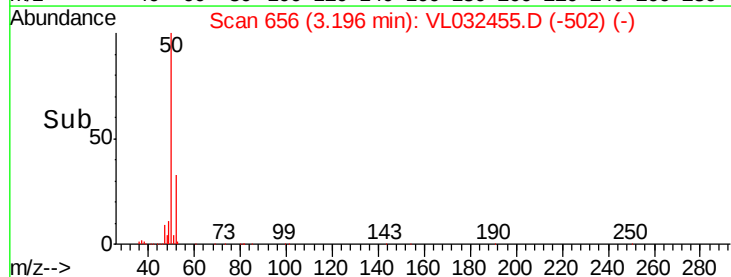
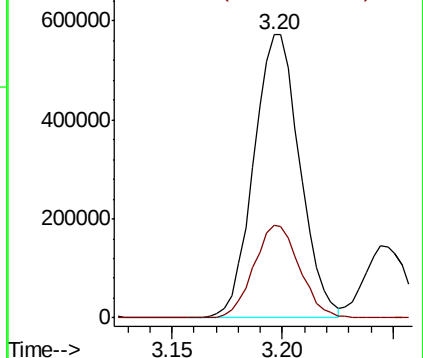
50 100

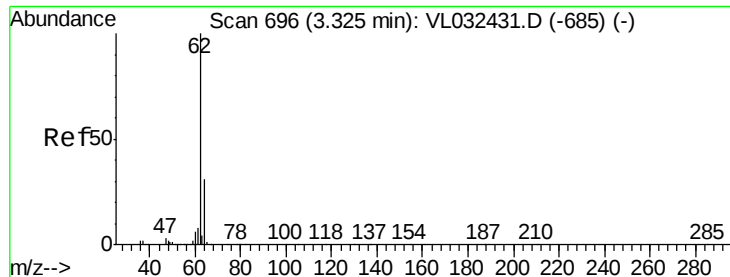
52 32.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.431 ppbv

RT: 3.32 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

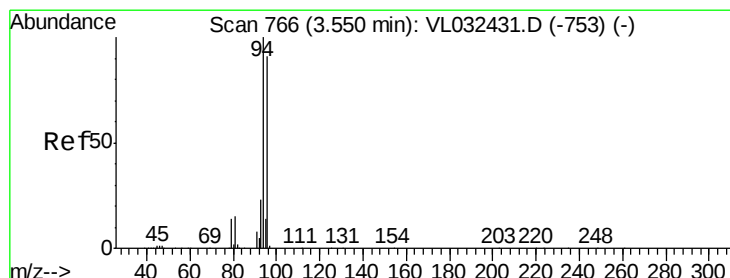
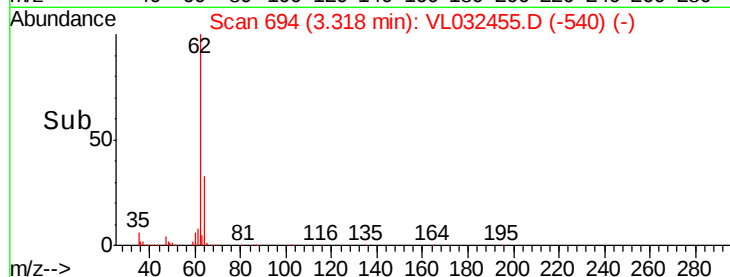
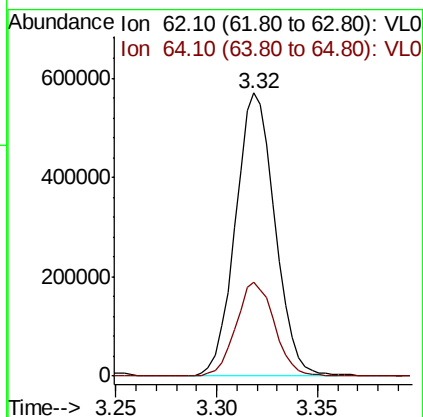
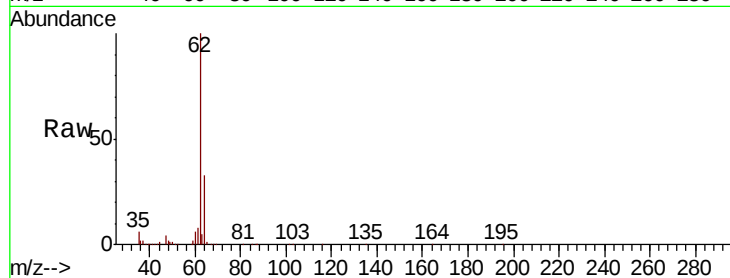
VL0905ABS01

Tgt Ion: 62 Resp: 778965

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6



#6

Bromomethane

Concen: 10.150 ppbv

RT: 3.54 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL032455.D

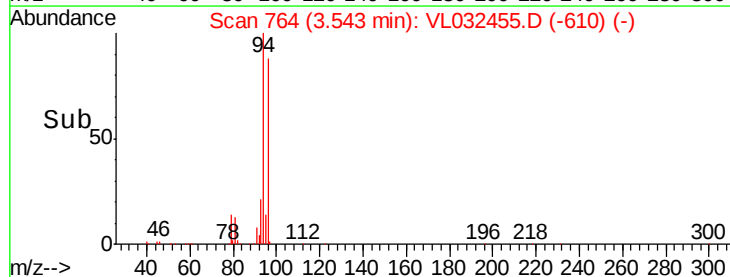
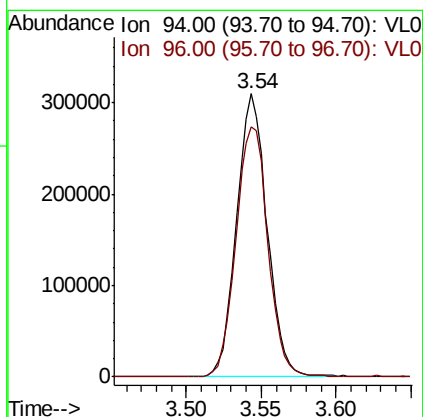
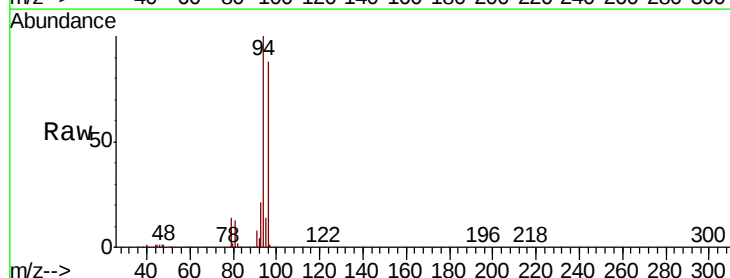
Acq: 5 Sep 2018 13:22

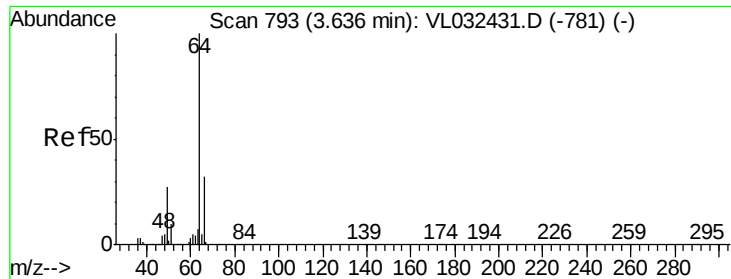
Tgt Ion: 94 Resp: 440076

Ion Ratio Lower Upper

94 100

96 88.4 72.8 109.2





#7

Chloroethane

Concen: 9.862 ppbv

RT: 3.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

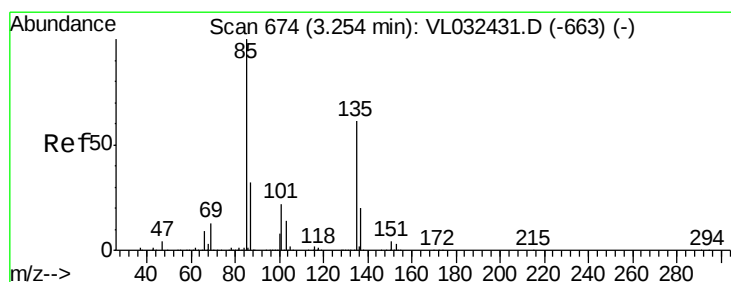
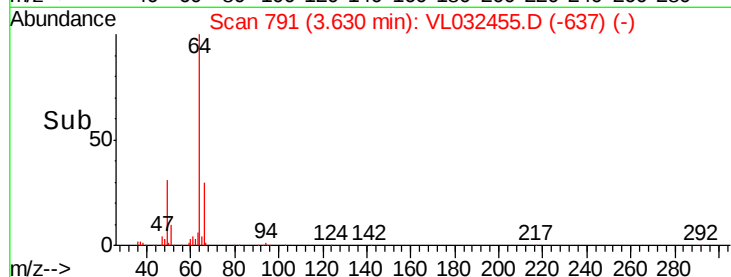
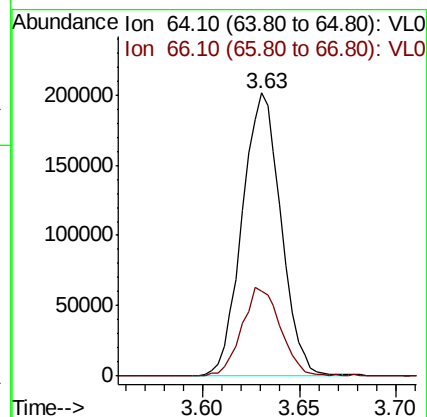
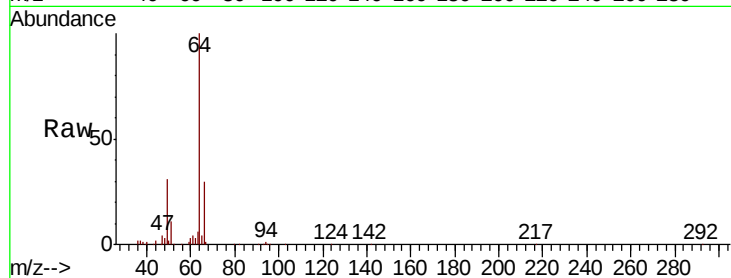
VL0905ABS01

Tgt Ion: 64 Resp: 281930

Ion Ratio Lower Upper

64 100

66 30.2 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.508 ppbv

RT: 3.25 min Scan# 672

Delta R.T. -0.01 min

Lab File: VL032455.D

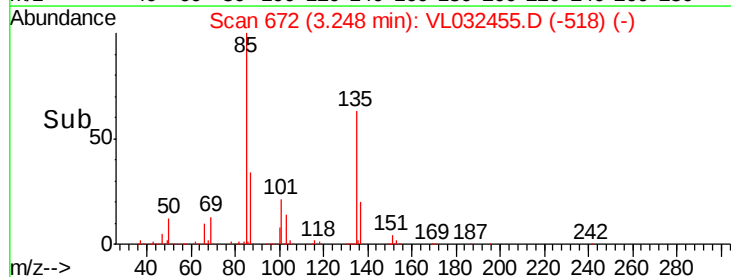
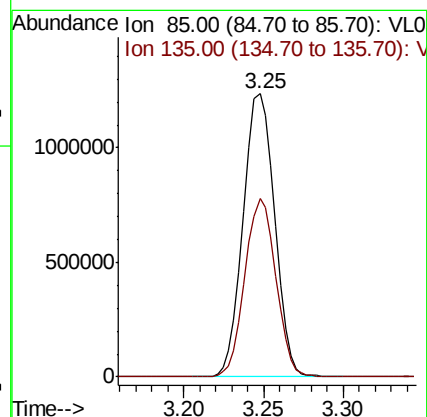
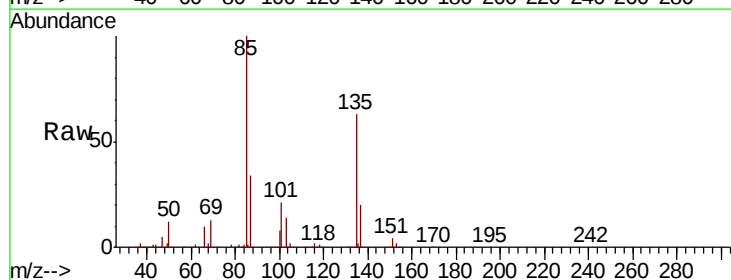
Acq: 5 Sep 2018 13:22

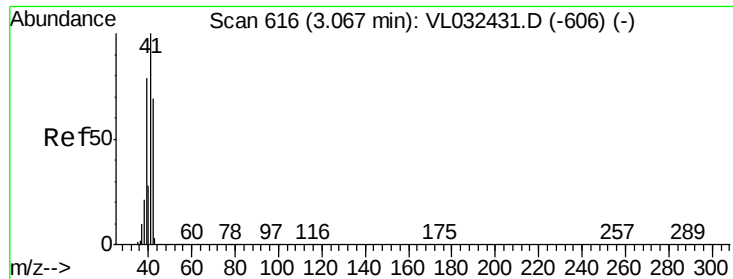
Tgt Ion: 85 Resp: 1647970

Ion Ratio Lower Upper

85 100

135 62.2 48.6 72.8





#9

Propene

Concen: 12.359 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

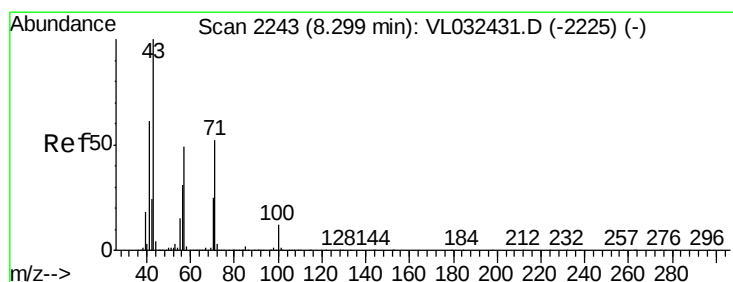
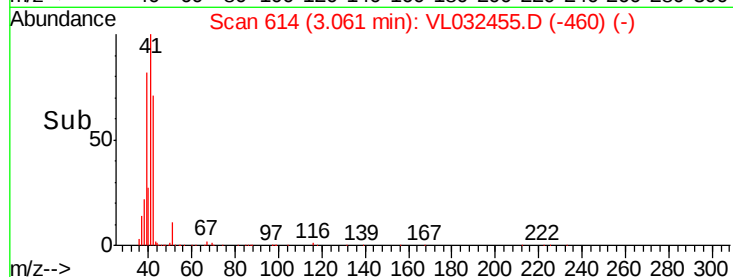
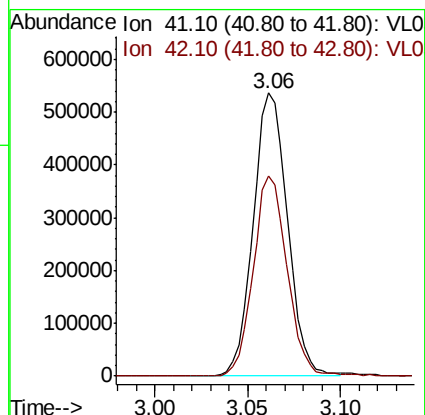
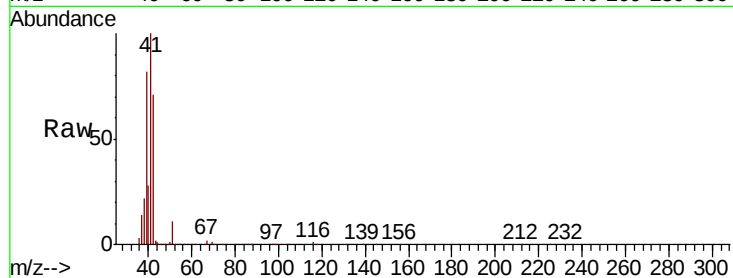
VL0905ABS01

Tgt Ion: 41 Resp: 689010

Ion Ratio Lower Upper

41 100

42 70.3 56.6 84.8



#10

Heptane

Concen: 11.703 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL032455.D

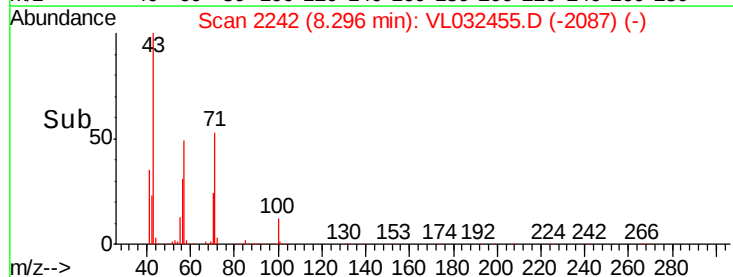
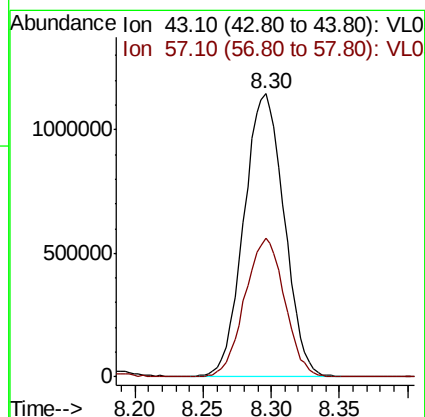
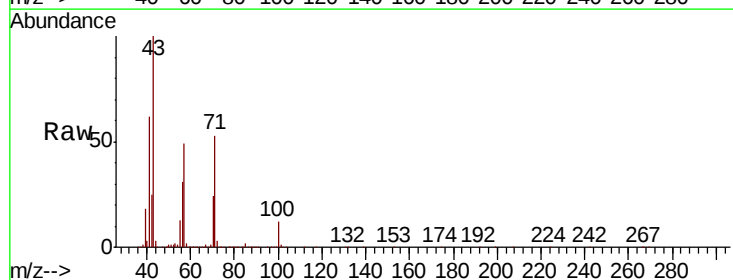
Acq: 5 Sep 2018 13:22

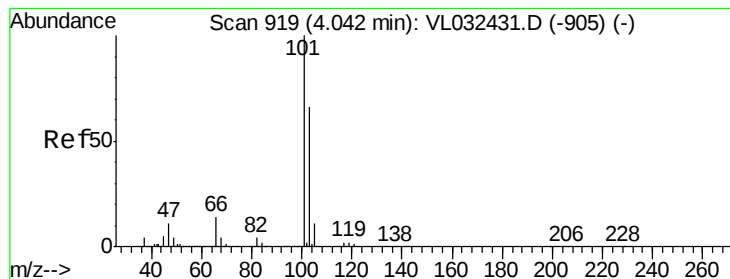
Tgt Ion: 43 Resp: 2340656

Ion Ratio Lower Upper

43 100

57 48.5 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.442 ppbv

RT: 4.04 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

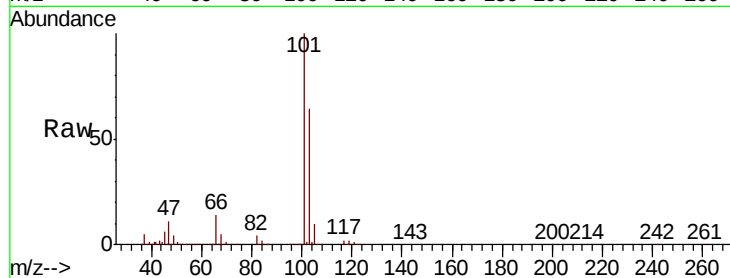
VL0905ABS01

Tgt Ion:101 Resp: 1662723

Ion Ratio Lower Upper

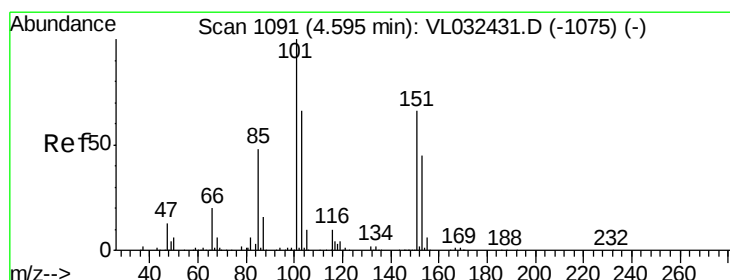
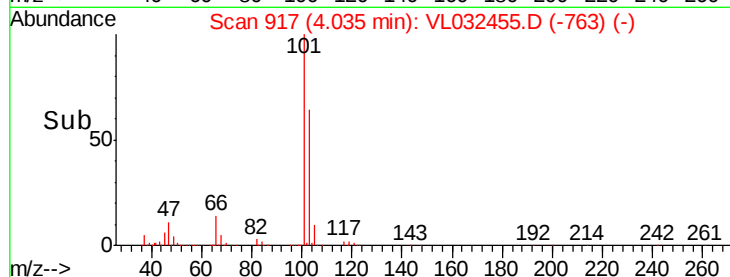
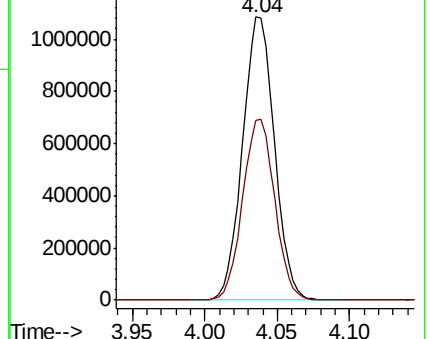
101 100

103 63.5 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.355 ppbv

RT: 4.59 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VL032455.D

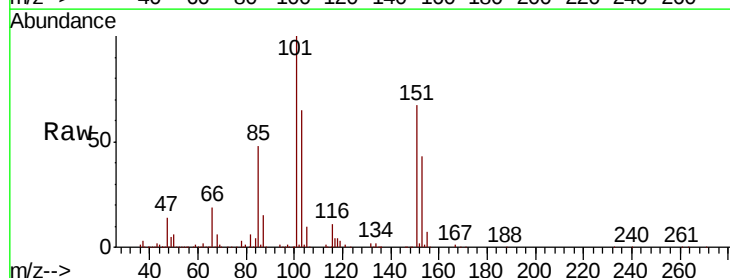
Acq: 5 Sep 2018 13:22

Tgt Ion:101 Resp: 1116351

Ion Ratio Lower Upper

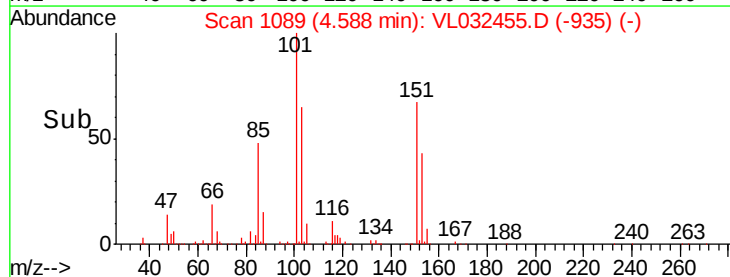
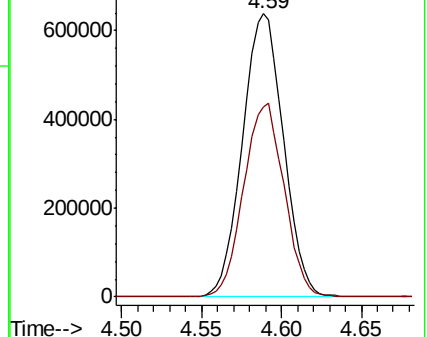
101 100

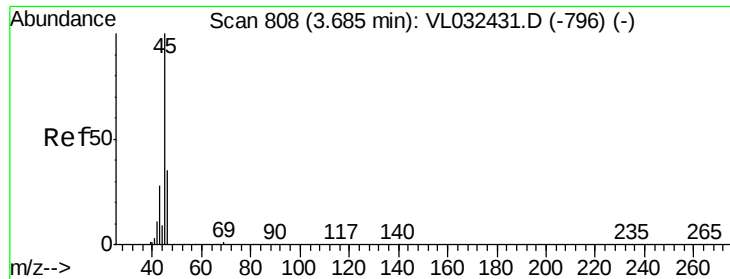
151 67.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.226 ppbv

RT: 3.68 min Scan# 807

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

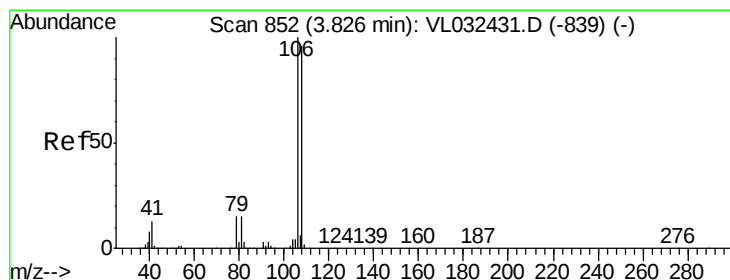
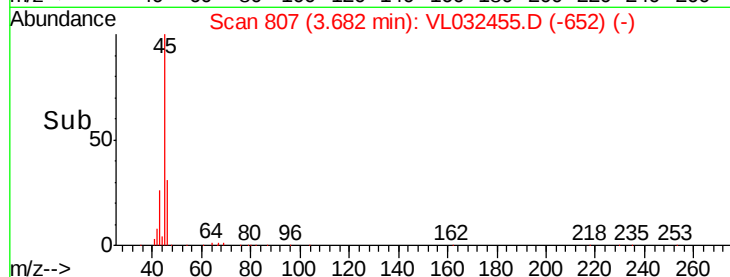
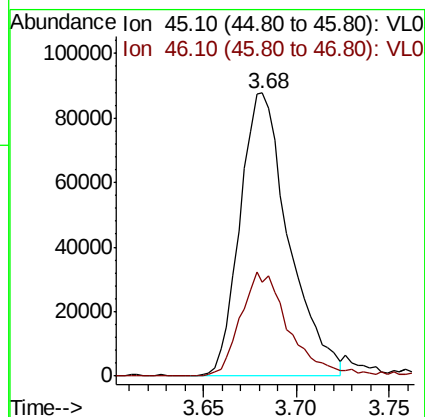
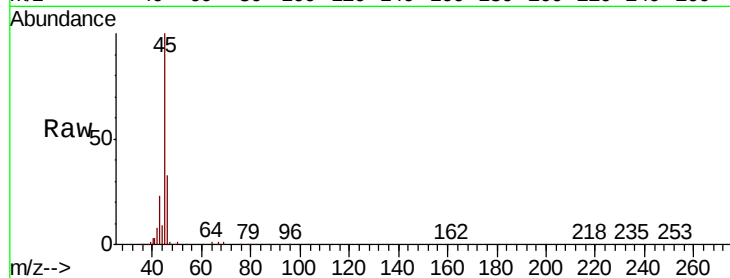
VL0905ABS01

Tgt Ion: 45 Resp: 160332

Ion Ratio Lower Upper

45 100

46 37.2 14.2 56.8



#14

Bromoethene

Concen: 10.625 ppbv

RT: 3.82 min Scan# 850

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

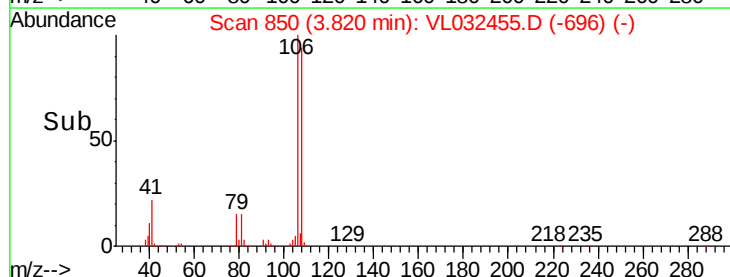
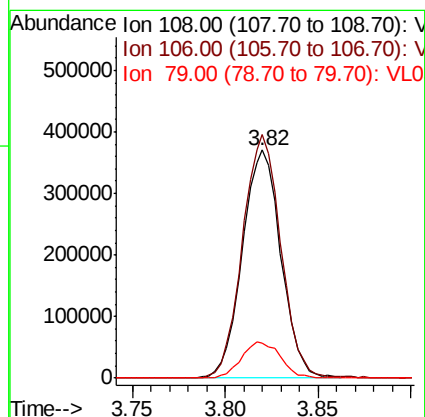
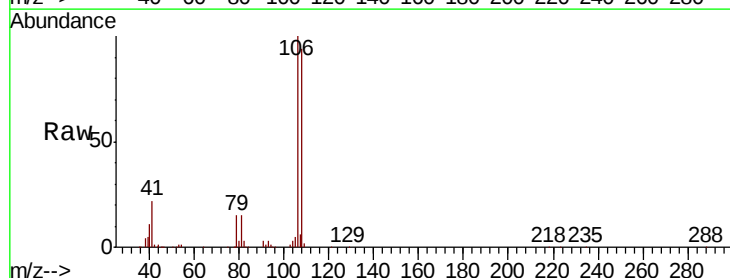
Tgt Ion: 108 Resp: 537159

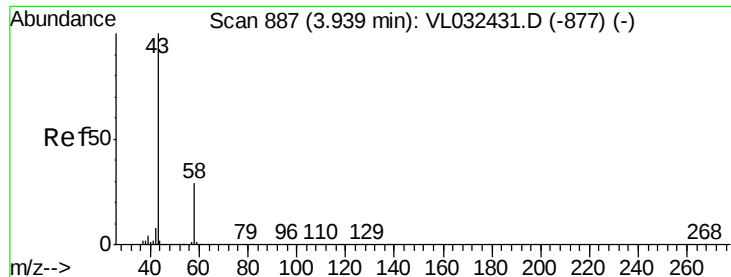
Ion Ratio Lower Upper

108 100

106 106.6 85.5 128.3

79 16.5 13.0 19.6





#15

Acetone

Concen: 9.709 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

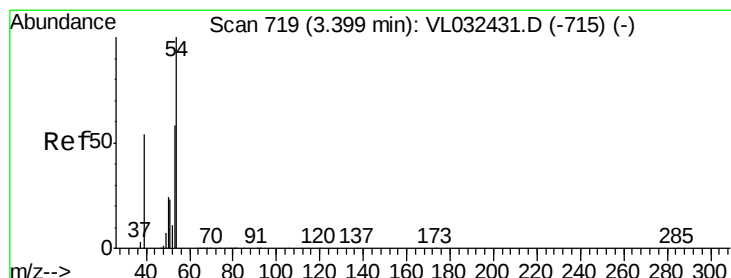
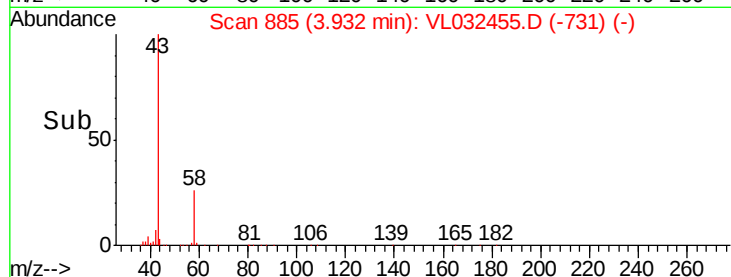
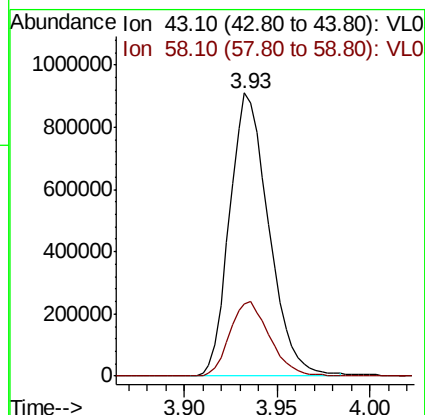
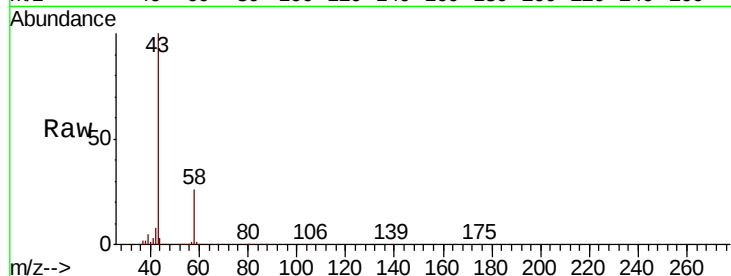
VL0905ABS01

Tgt Ion: 43 Resp: 1334830

Ion Ratio Lower Upper

43 100

58 27.0 22.6 33.8



#16

1,3-Butadiene

Concen: 10.192 ppbv

RT: 3.39 min Scan# 717

Delta R.T. -0.01 min

Lab File: VL032455.D

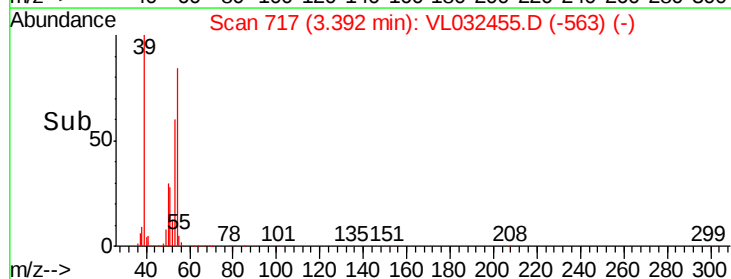
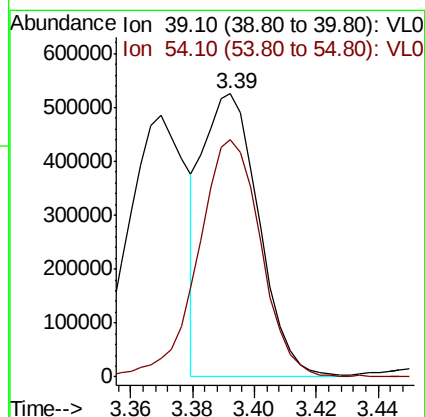
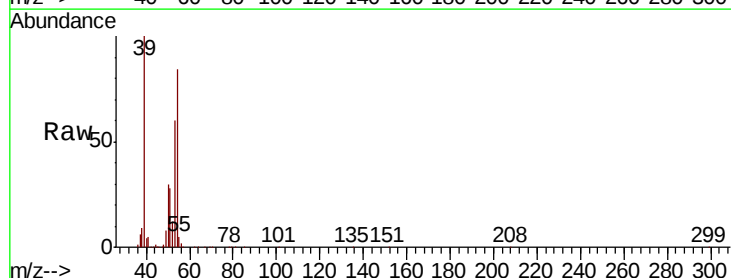
Acq: 5 Sep 2018 13:22

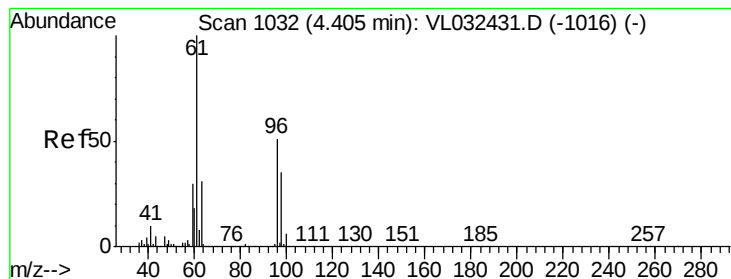
Tgt Ion: 39 Resp: 659402

Ion Ratio Lower Upper

39 100

54 94.9 80.8 121.2





#17

tert-Butyl alcohol

Concen: 9.857 ppbv

RT: 4.39 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

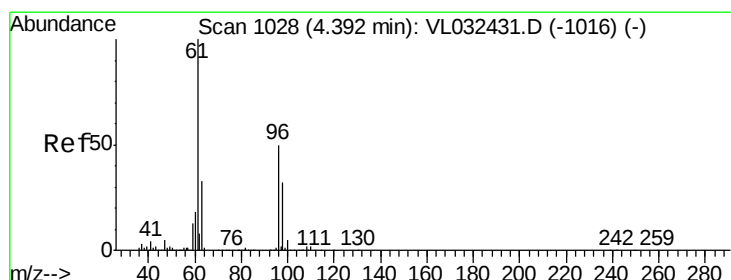
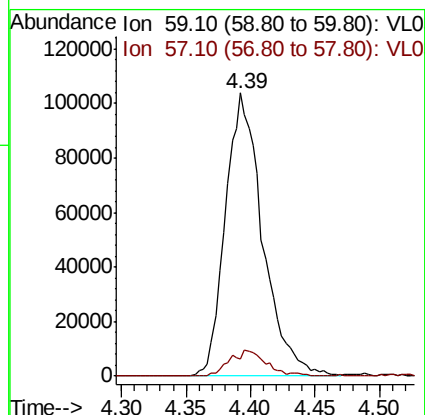
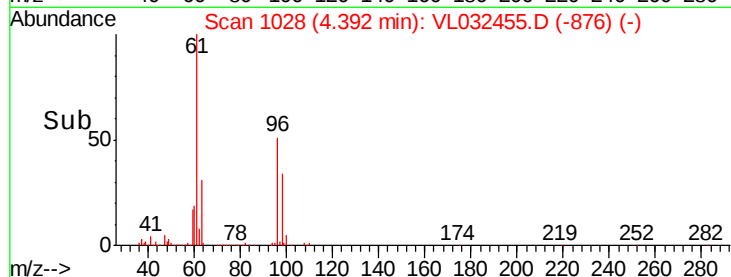
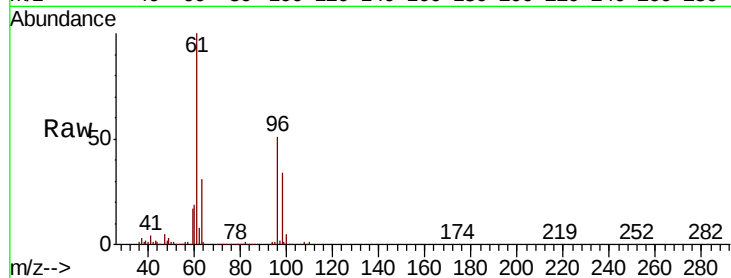
VL0905ABS01

Tgt Ion: 59 Resp: 208555

Ion Ratio Lower Upper

59 100

57 9.2 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 9.925 ppbv

RT: 4.39 min Scan# 1026

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

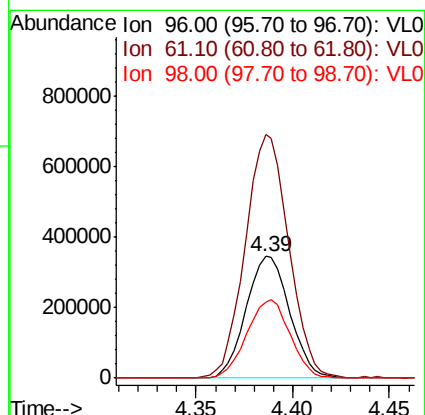
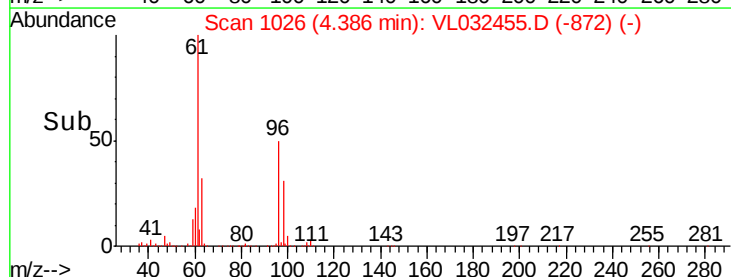
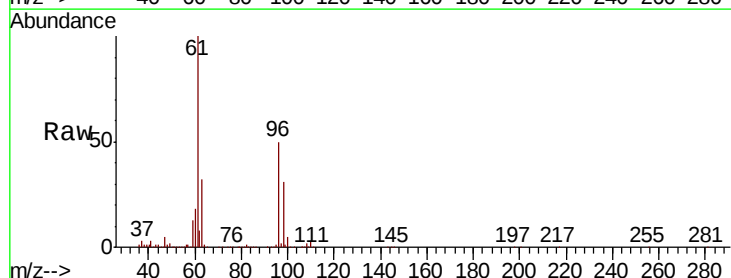
Tgt Ion: 96 Resp: 541251

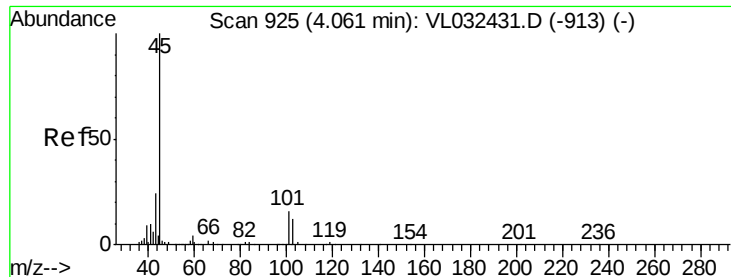
Ion Ratio Lower Upper

96 100

61 200.1 159.2 238.8

98 62.9 51.0 76.4





#19

Isopropyl Alcohol

Concen: 11.981 ppbv

RT: 4.05 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

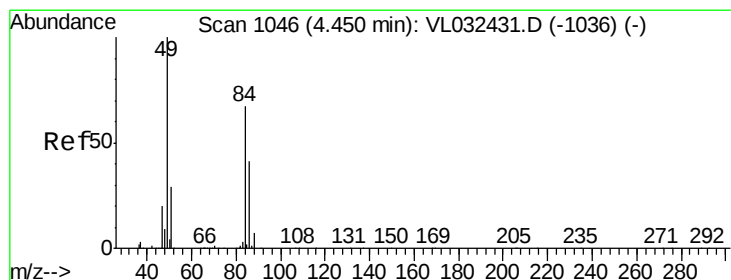
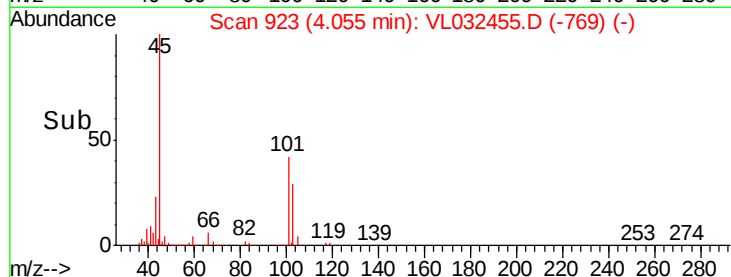
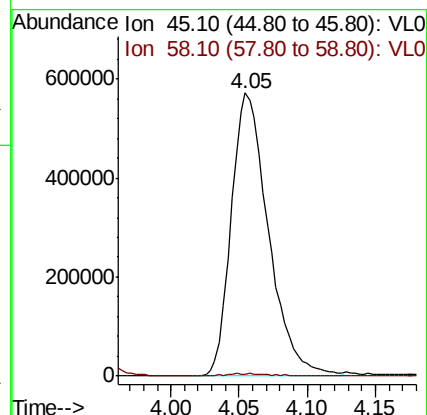
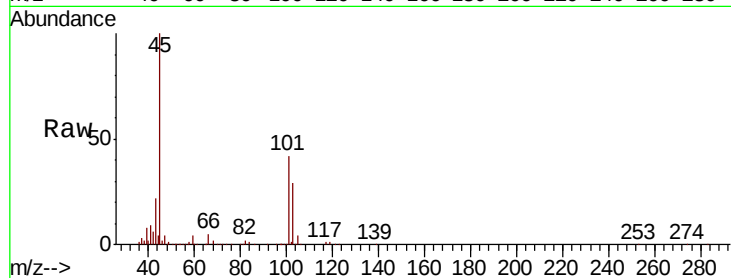
VL0905ABS01

Tgt Ion: 45 Resp: 1080619

Ion Ratio Lower Upper

45 100

58 1.2 2.0 3.0#



#20

Methylene Chloride

Concen: 8.937 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Tgt Ion: 84 Resp: 468484

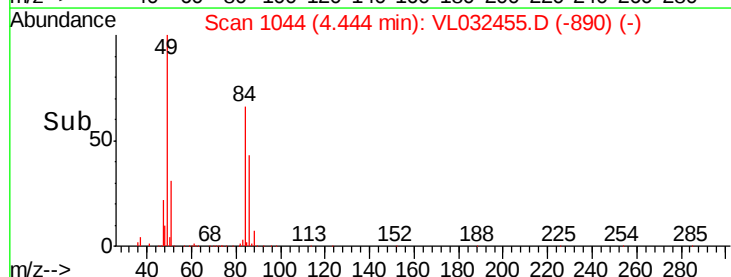
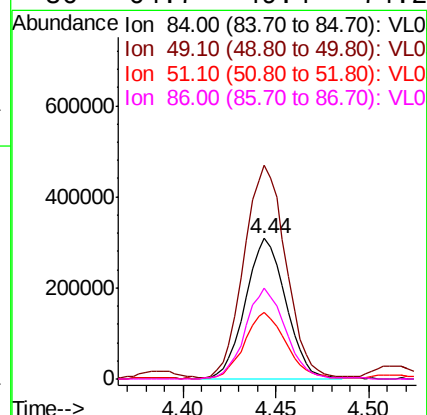
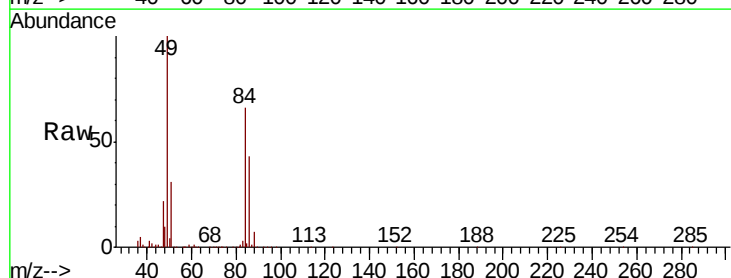
Ion Ratio Lower Upper

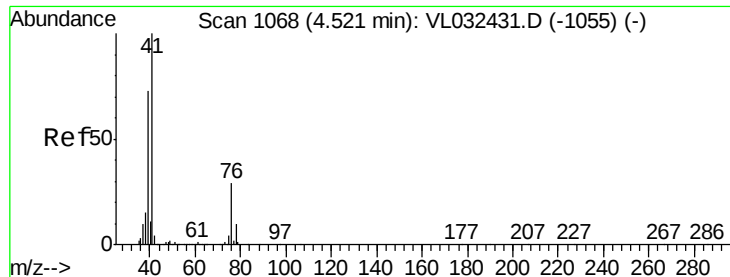
84 100

49 150.9 119.1 178.7

51 46.9 35.2 52.8

86 64.7 49.4 74.2

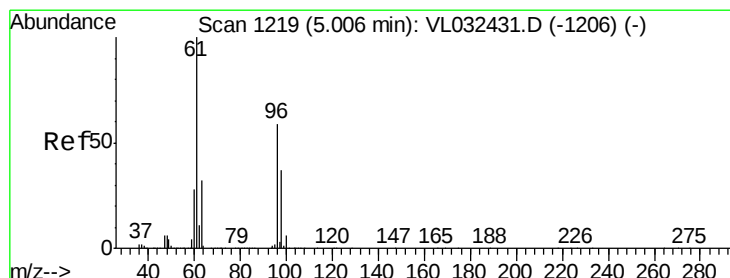
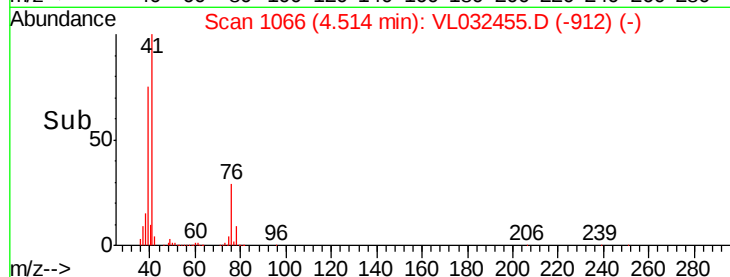
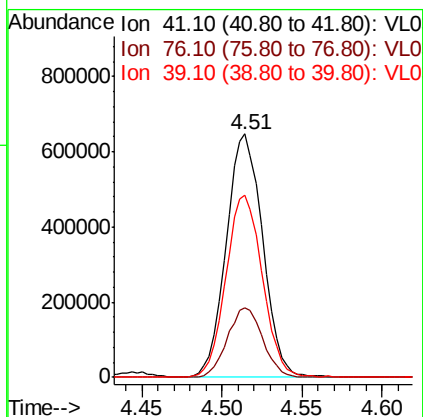
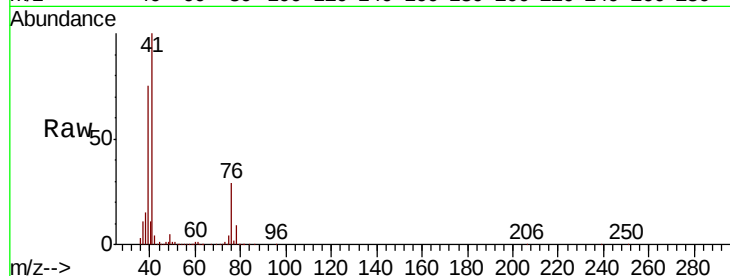




#21
 Allyl Chloride
 Concen: 10.850 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

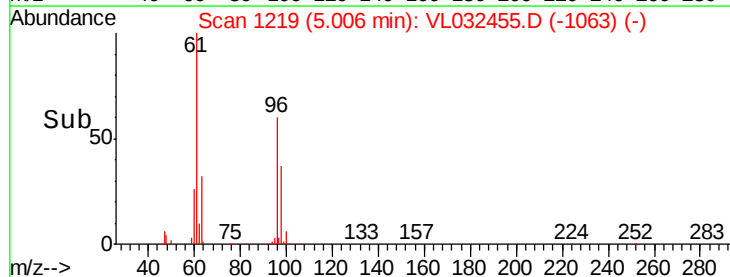
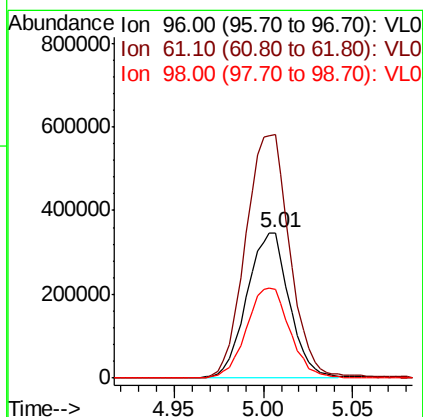
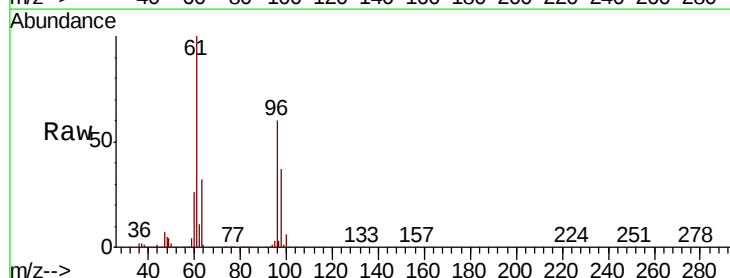
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

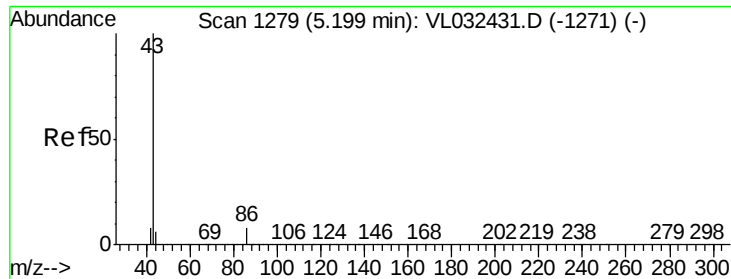
Tgt Ion: 41 Resp: 990799
 Ion Ratio Lower Upper
 41 100
 76 28.3 23.6 35.4
 39 76.2 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.752 ppbv
 RT: 5.01 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 96 Resp: 577077
 Ion Ratio Lower Upper
 96 100
 61 167.1 136.2 204.4
 98 61.1 50.4 75.6



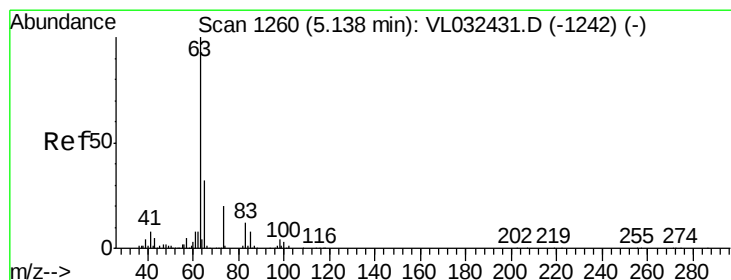
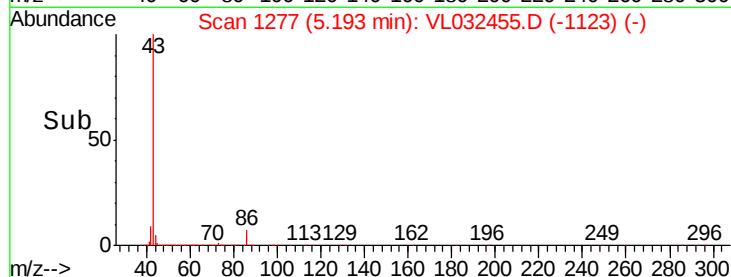
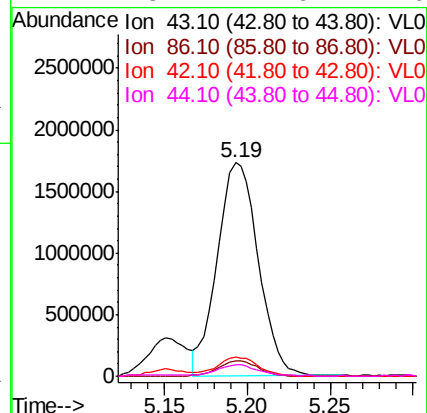
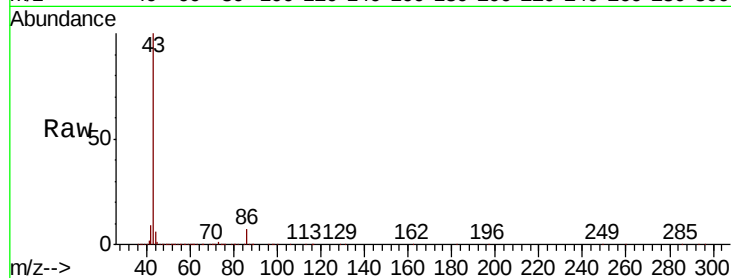


#23
 Vinyl Acetate
 Concen: 13.065 ppbv
 RT: 5.19 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Tgt Ion: 43 Resp: 2977417

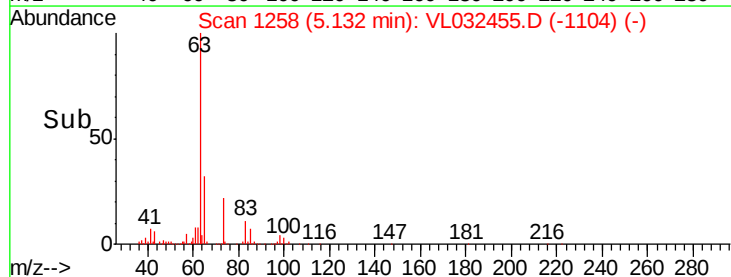
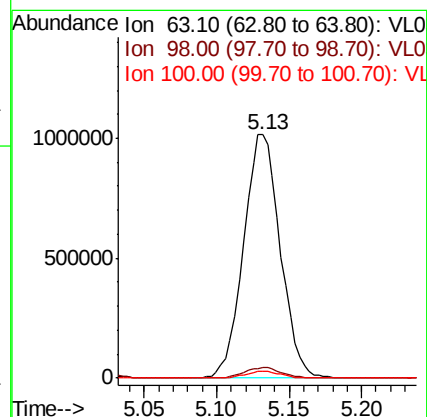
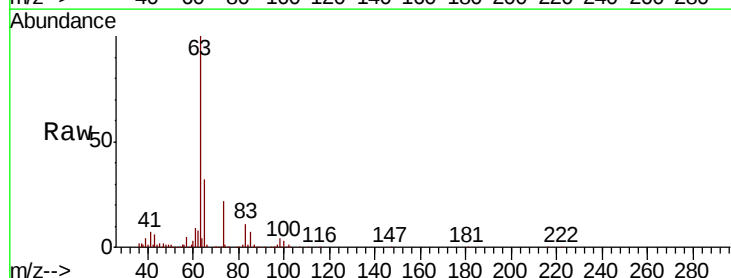
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	8.9	6.9	10.3
44	5.2	4.6	7.0

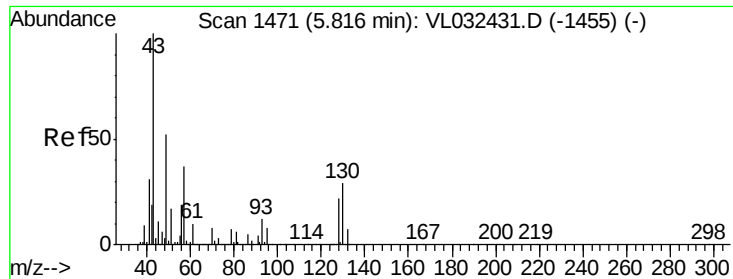


#24
 1,1-Dichloroethane
 Concen: 9.458 ppbv
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 63 Resp: 1776060

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.7	1.5	4.4

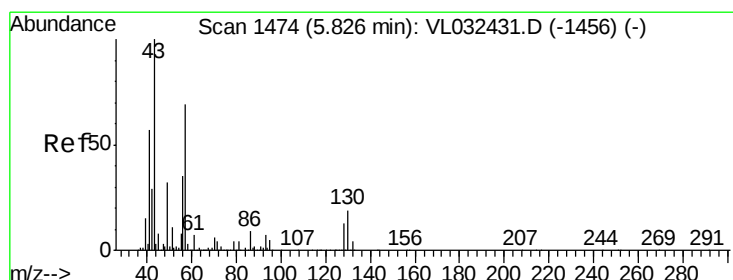
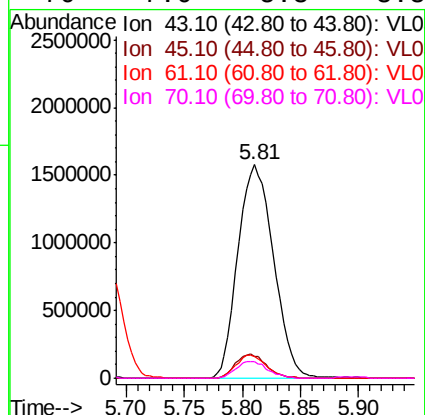
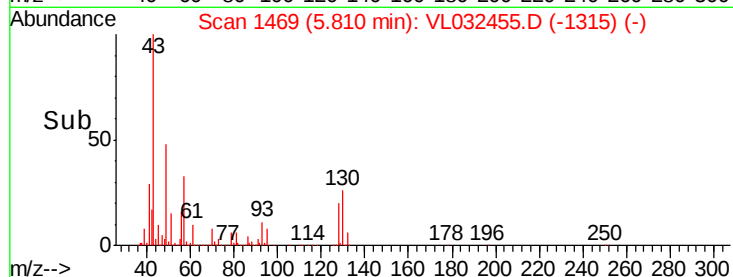
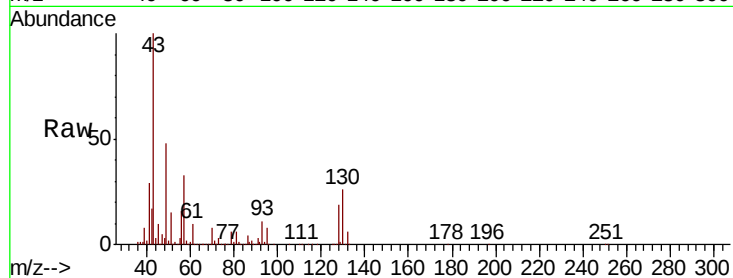




#25
Ethyl Acetate
Concen: 10.372 ppbv
RT: 5.81 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

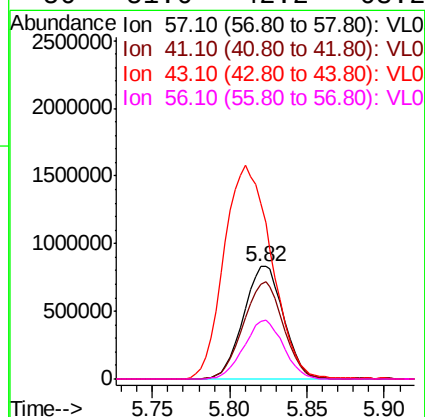
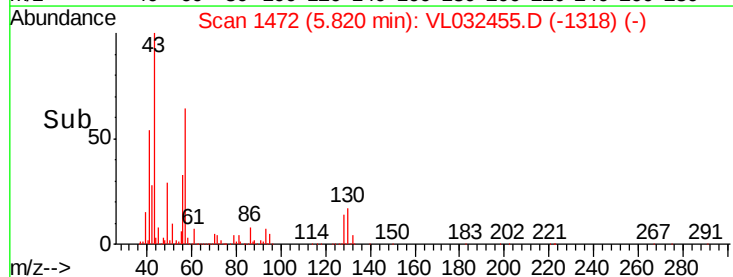
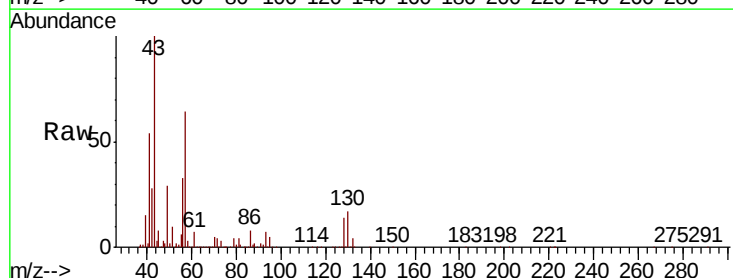
Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

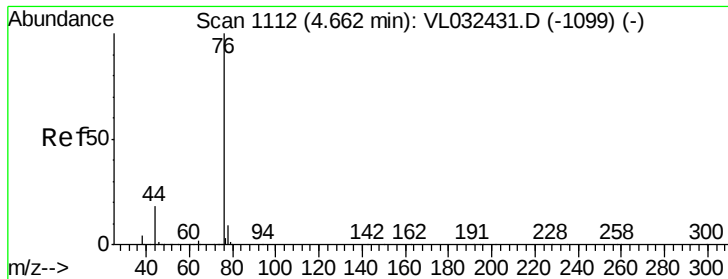
Tgt Ion:	43	Resp:	3367385
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.2	7.6	11.4
70	7.0	5.8	8.8



#26
Hexane
Concen: 10.315 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

Tgt Ion:	57	Resp:	1499511
Ion	Ratio	Lower	Upper
57	100		
41	86.8	69.0	103.4
43	225.5	172.1	258.1
56	51.6	42.2	63.2





#27

Carbon Disulfide

Concen: 11.385 ppbv

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

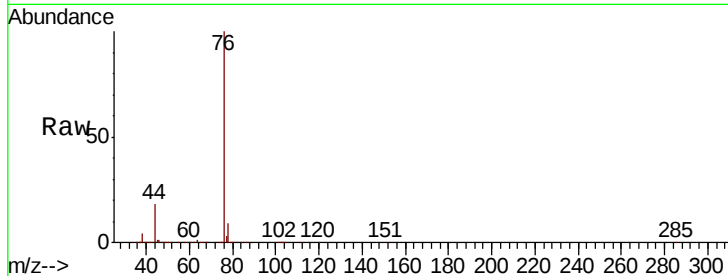
MSVOA_L

ClientSampleId :

VL0905ABS01

Tgt Ion: 76 Resp: 1527864

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.0	21.0
78	9.3	7.5	11.3

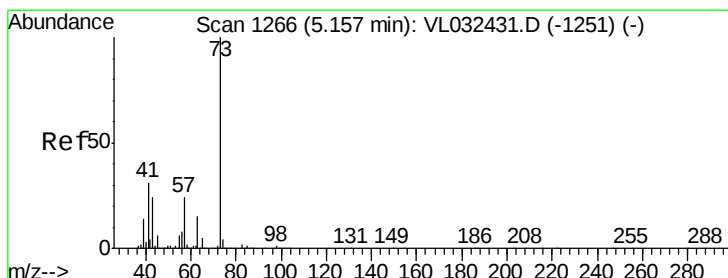
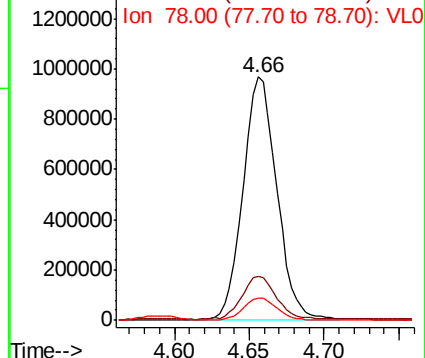
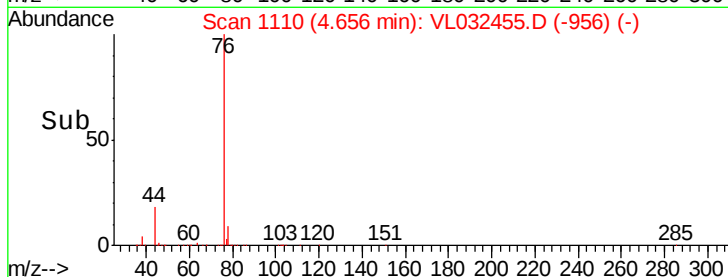


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 12.319 ppbv

RT: 5.15 min Scan# 1264

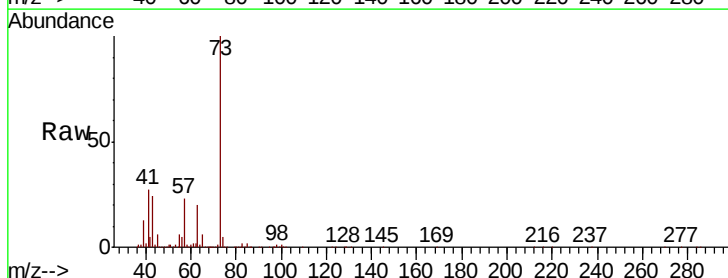
Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Tgt Ion: 73 Resp: 2198837

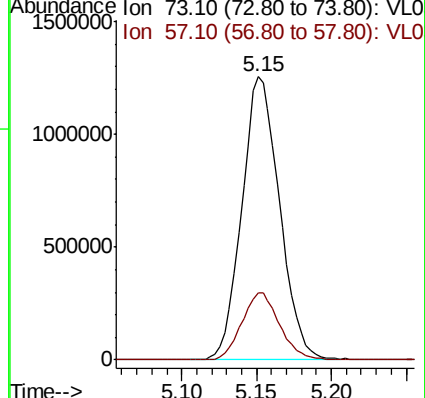
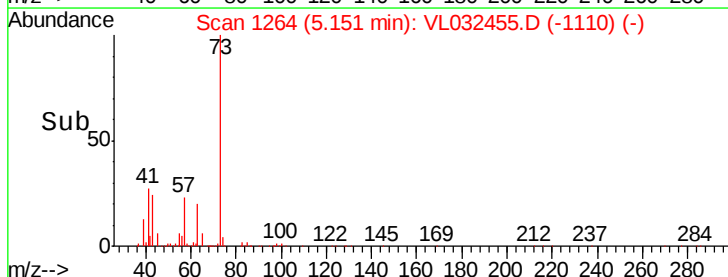
Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.3	28.9

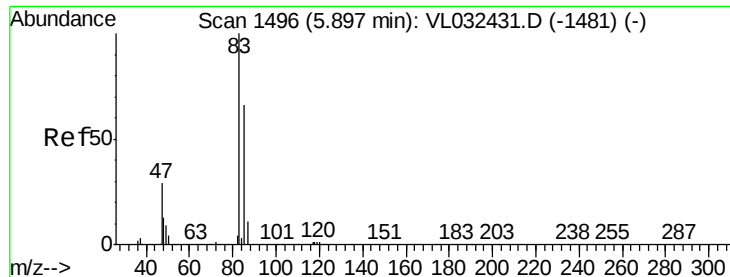


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.761 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

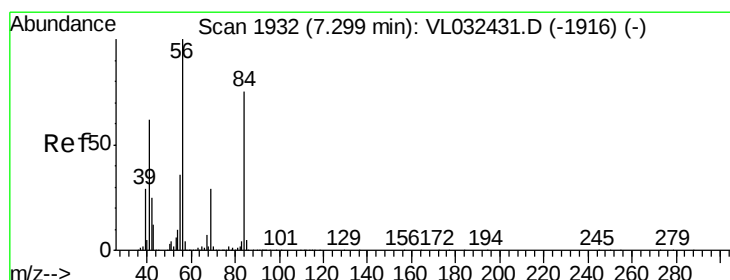
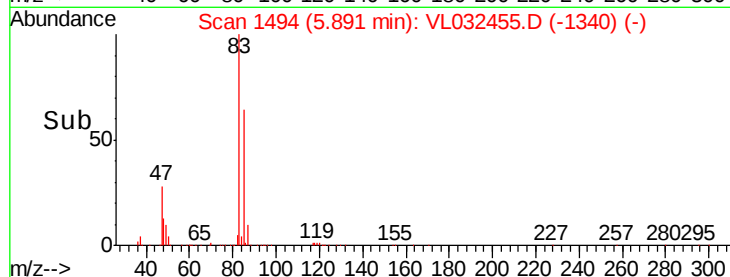
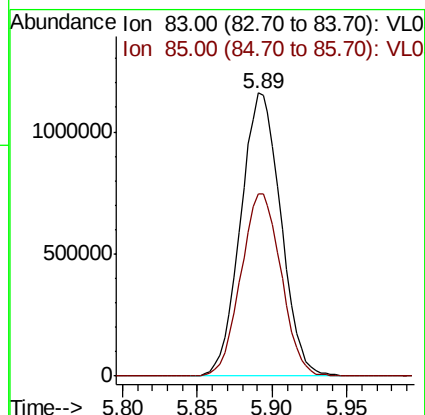
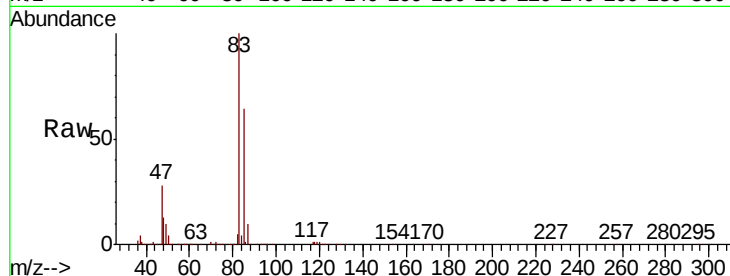
VL0905ABS01

Tgt Ion: 83 Resp: 2163580

Ion Ratio Lower Upper

83 100

85 64.1 52.5 78.7



#30

Cyclohexane

Concen: 12.006 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

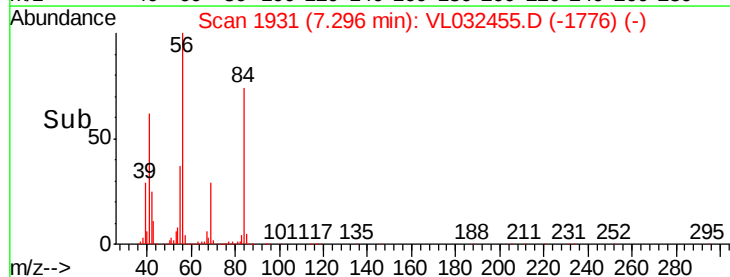
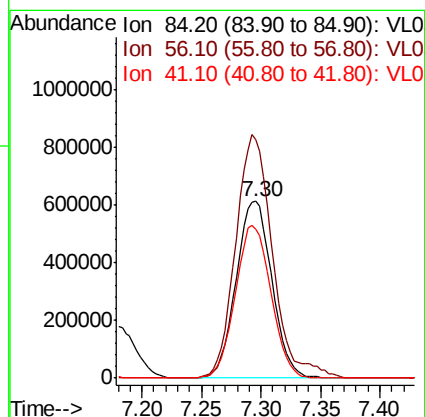
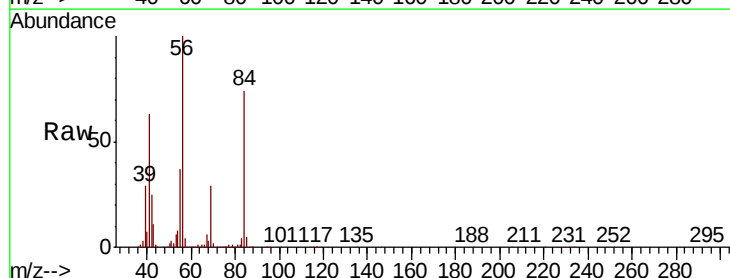
Tgt Ion: 84 Resp: 1278030

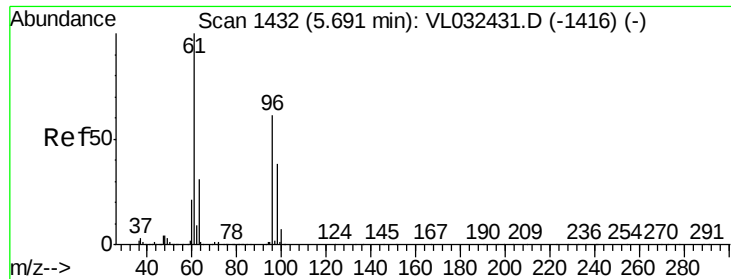
Ion Ratio Lower Upper

84 100

56 141.9 113.5 170.3

41 86.0 68.1 102.1

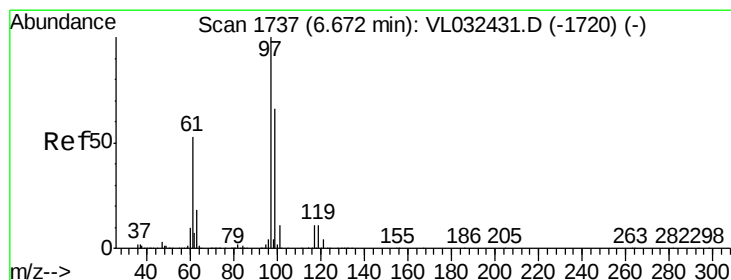
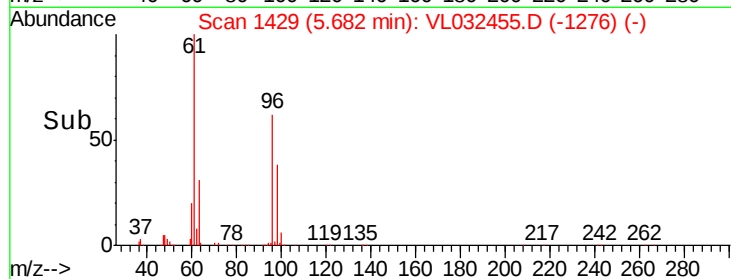
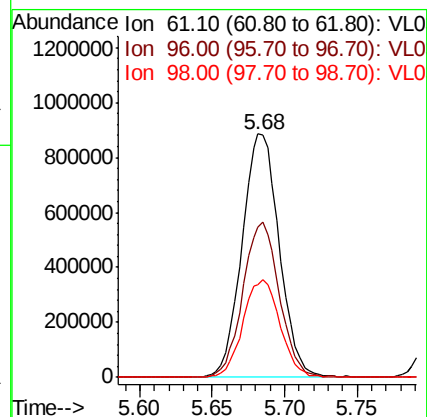
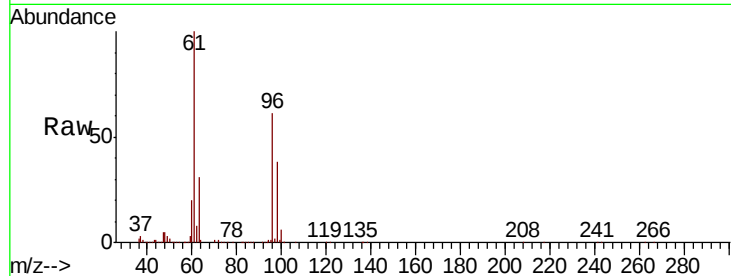




#31
 cis-1,2-Dichloroethene
 Concen: 11.966 ppbv
 RT: 5.68 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

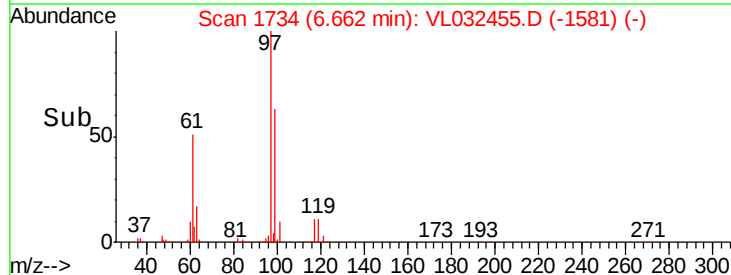
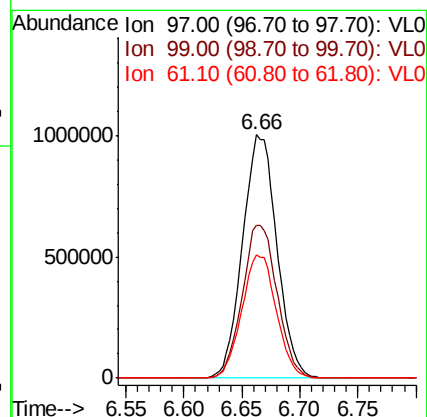
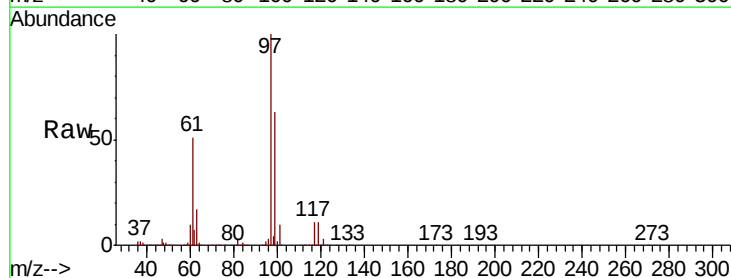
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

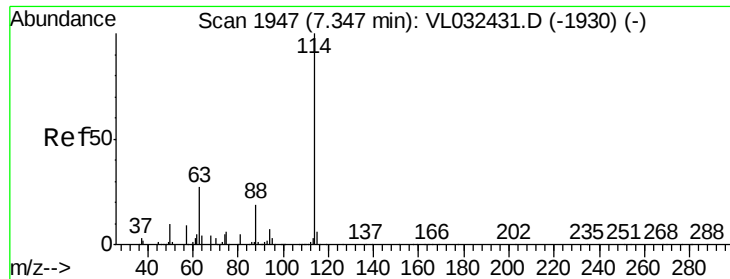
Tgt Ion: 61 Resp: 1575221
 Ion Ratio Lower Upper
 61 100
 96 61.5 49.2 73.8
 98 38.3 30.7 46.1



#32
 1,1,1-Trichloroethane
 Concen: 10.009 ppbv
 RT: 6.66 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 97 Resp: 2068058
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.1 78.1
 61 51.0 42.5 63.7

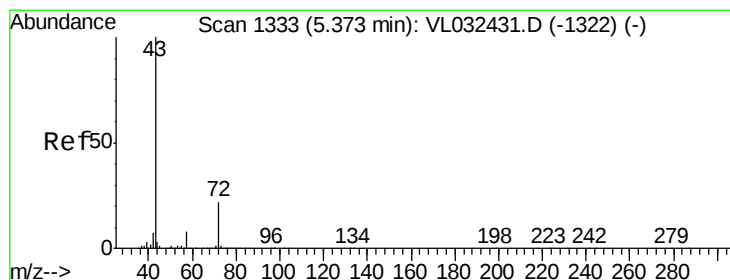
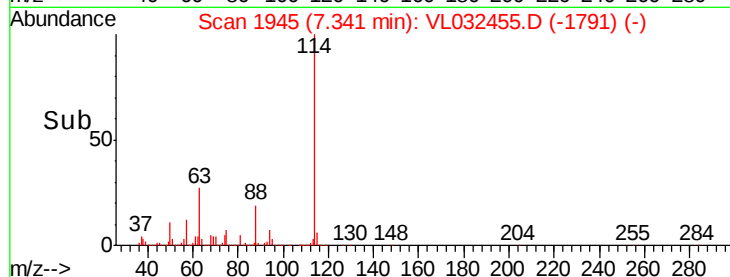
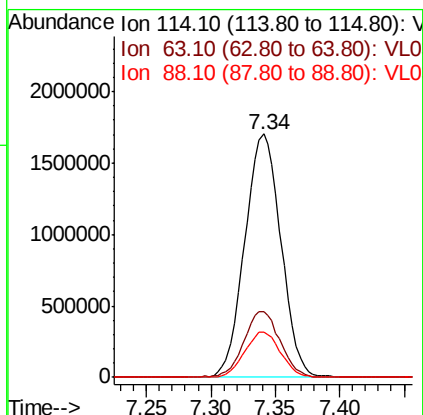
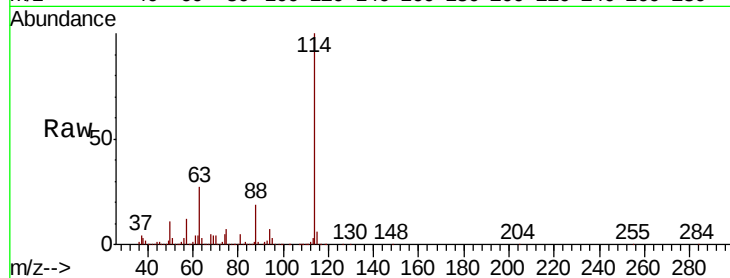




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1945
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

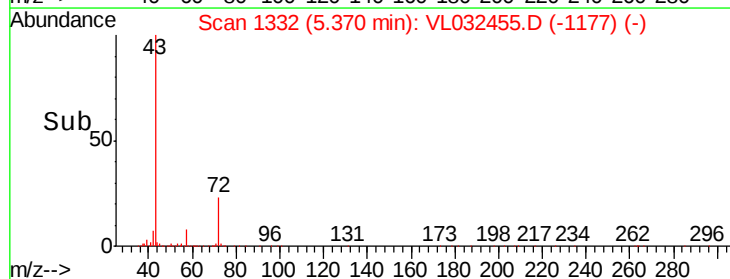
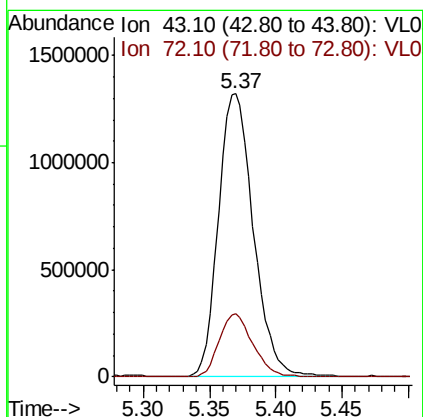
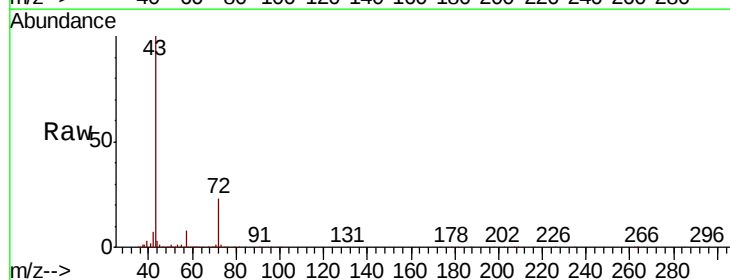
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

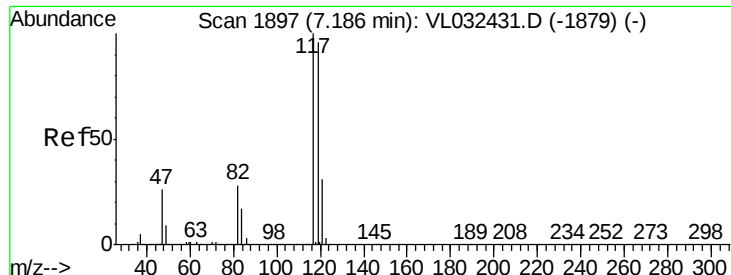
Tgt Ion:114 Resp: 3329452
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.4
 88 18.6 15.0 22.4



#34
 2-Butanone
 Concen: 10.851 ppbv
 RT: 5.37 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 43 Resp: 2399764
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.8 26.6





#35

Carbon Tetrachloride

Concen: 9.263 ppbv

RT: 7.18 min Scan# 1895

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

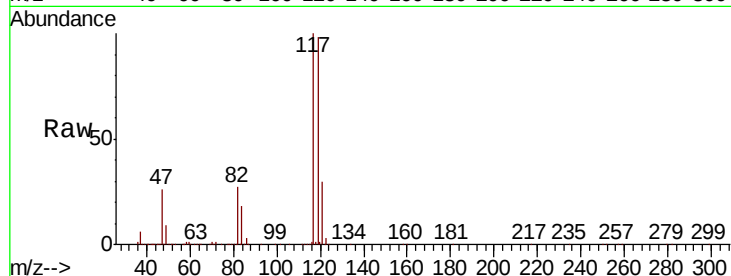
Tgt Ion:117 Resp: 2072940

Ion Ratio Lower Upper

117 100

119 98.2 76.6 115.0

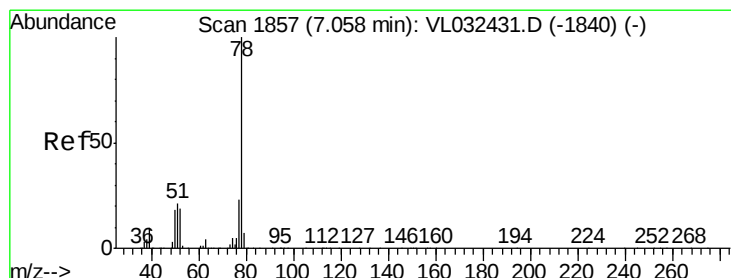
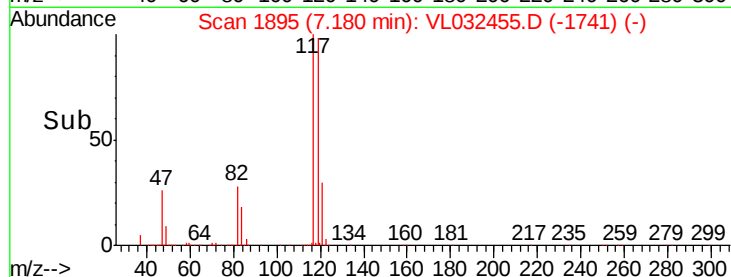
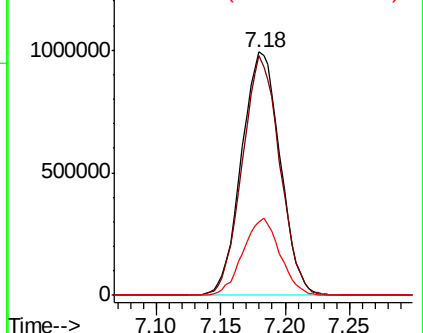
121 30.0 24.6 36.8



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: 10.793 ppbv

RT: 7.05 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

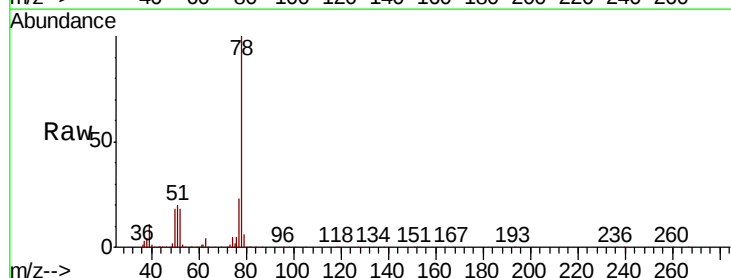
Tgt Ion: 78 Resp: 3058120

Ion Ratio Lower Upper

78 100

77 22.7 18.4 27.6

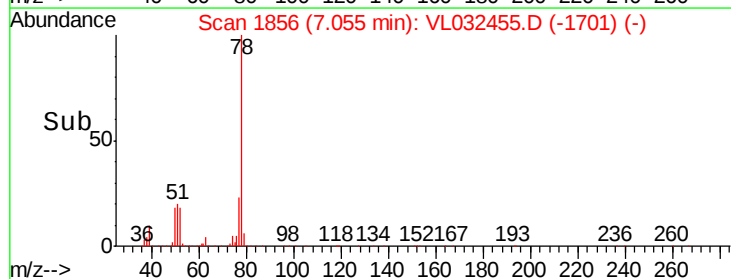
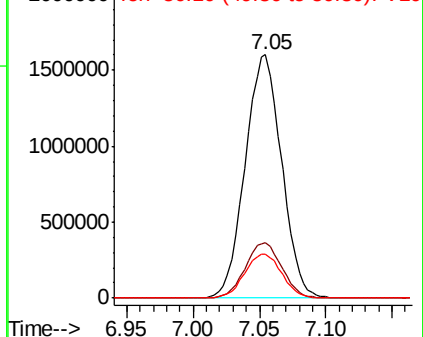
50 18.1 14.4 21.6

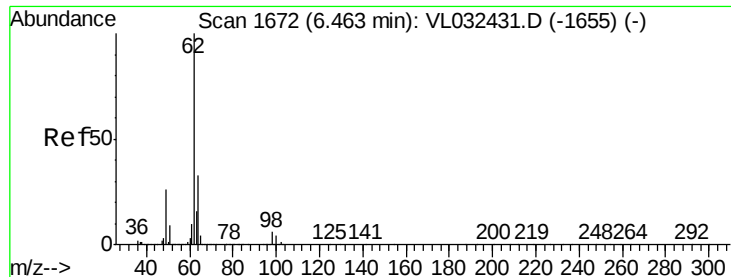


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

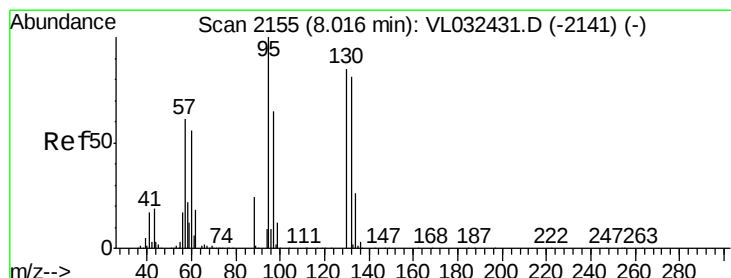
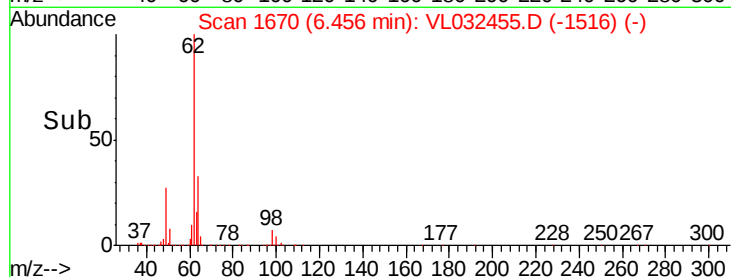
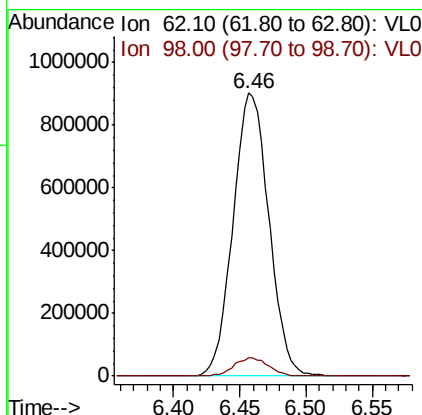
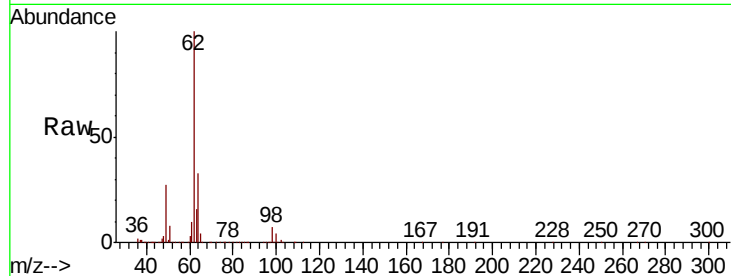




#37
 1,2-Dichloroethane
 Concen: 9.770 ppbv
 RT: 6.46 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

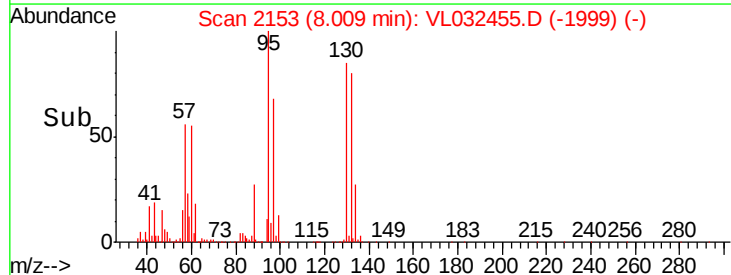
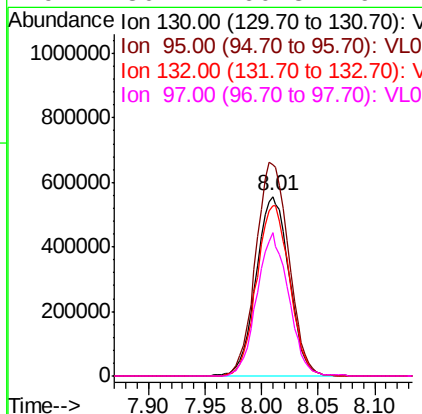
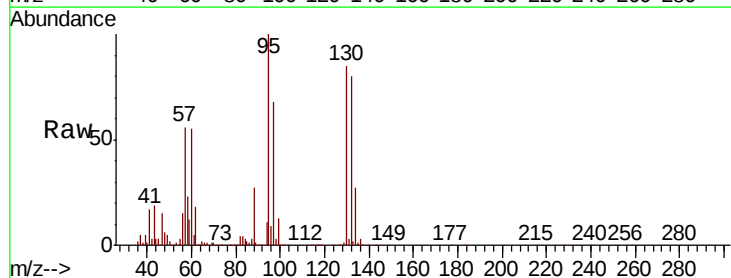
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

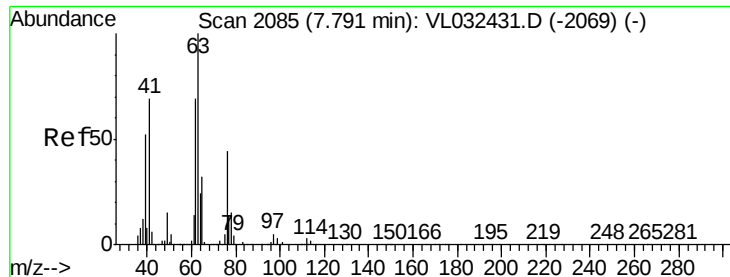
Tgt Ion: 62 Resp: 1696347
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.0 7.6



#38
 Trichloroethene
 Concen: 10.478 ppbv
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 130 Resp: 1127740
 Ion Ratio Lower Upper
 130 100
 95 118.1 94.2 141.4
 132 95.0 76.2 114.4
 97 80.4 60.8 91.2





#39

1,2-Dichloropropane

Concen: 11.224 ppbv

RT: 7.78 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

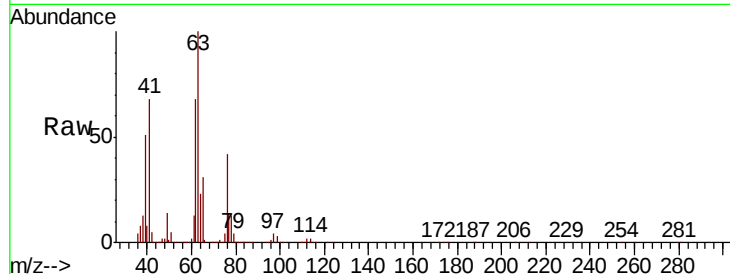
Tgt Ion: 63 Resp: 1360685

Ion Ratio Lower Upper

63 100

41 67.7 55.4 83.0

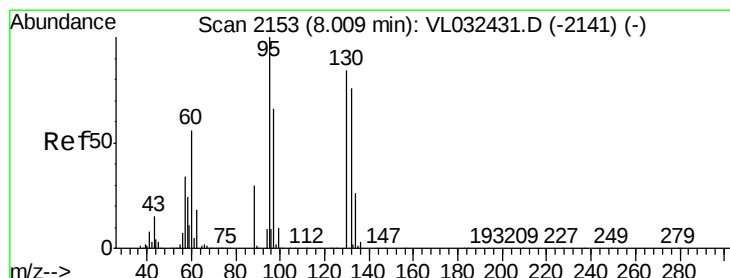
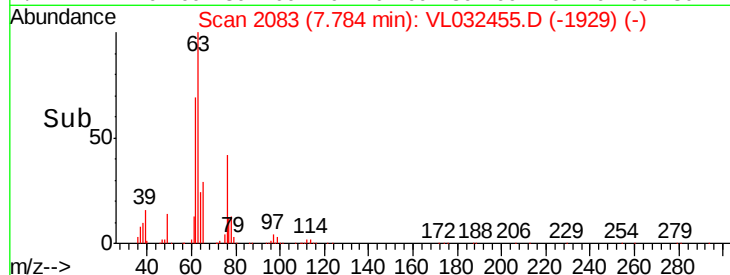
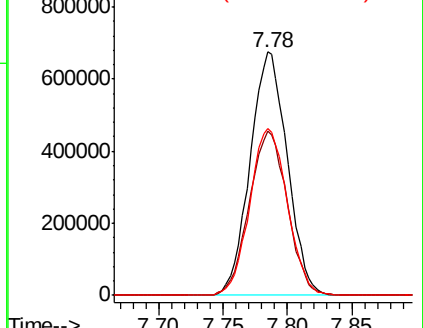
62 68.3 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 12.204 ppbv

RT: 8.00 min Scan# 2151

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Tgt Ion: 88 Resp: 443861

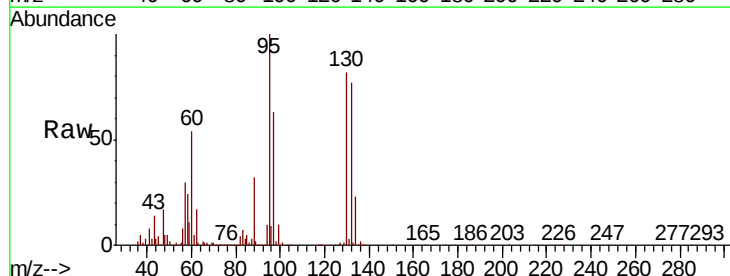
Ion Ratio Lower Upper

88 100

58 142.2 119.7 179.5

43 0.0 253.0 379.4#

57 0.0 1156.9 1735.3#

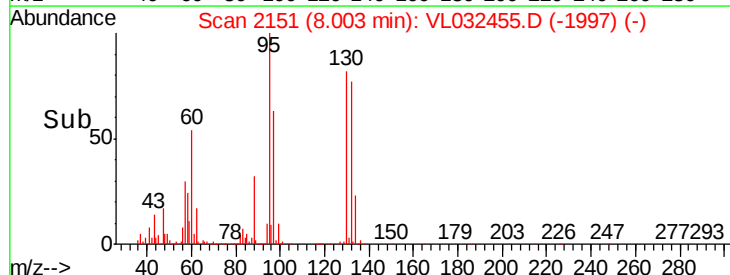
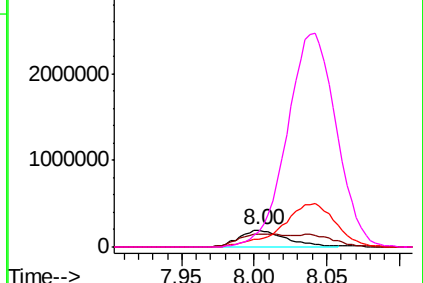


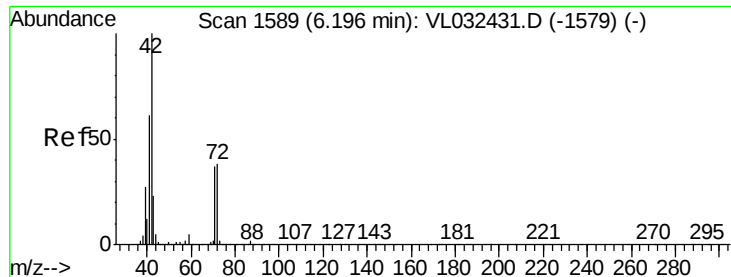
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.905 ppbv

RT: 6.19 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

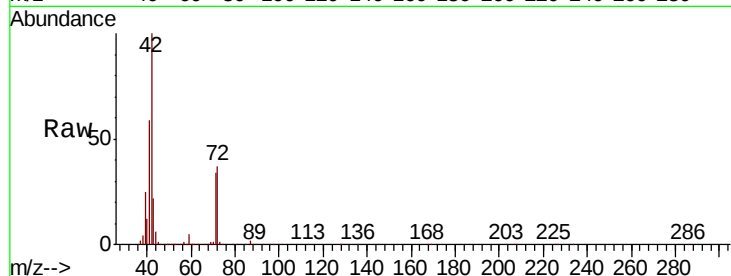
Tgt Ion: 42 Resp: 1433276

Ion Ratio Lower Upper

42 100

72 36.6 29.5 44.3

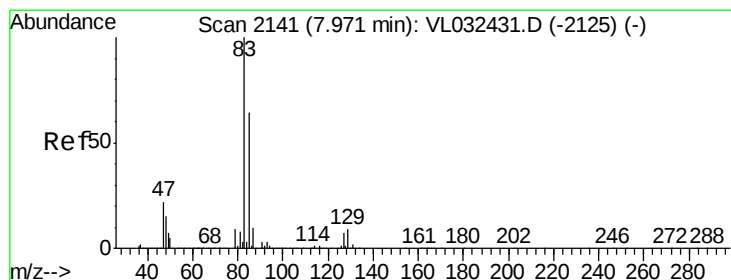
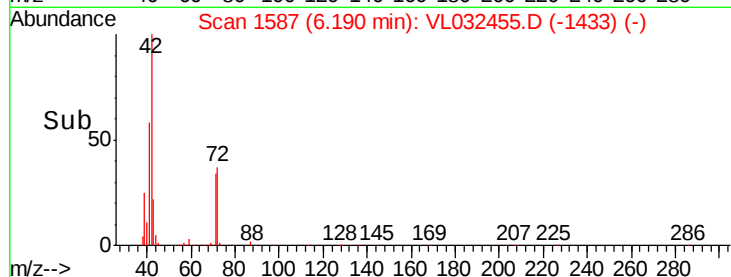
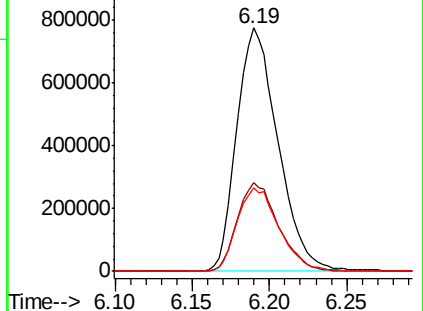
71 35.3 28.3 42.5



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: 10.715 ppbv

RT: 7.96 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

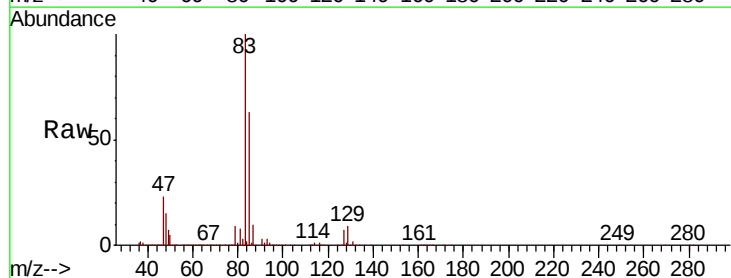
Tgt Ion: 83 Resp: 2566221

Ion Ratio Lower Upper

83 100

85 63.3 51.1 76.7

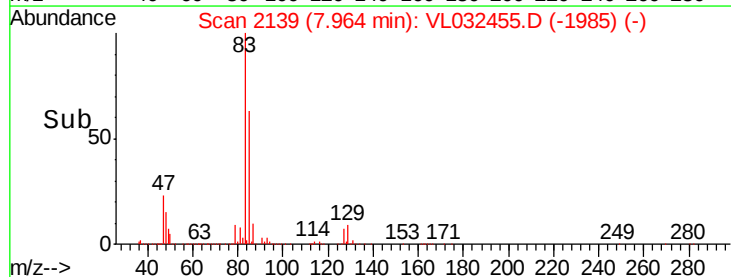
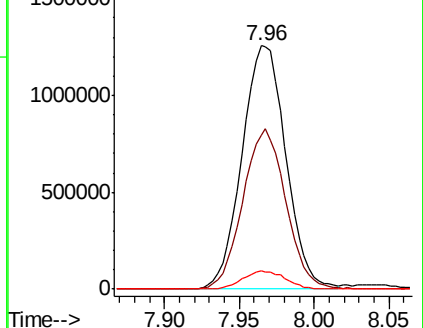
127 7.3 5.8 8.8

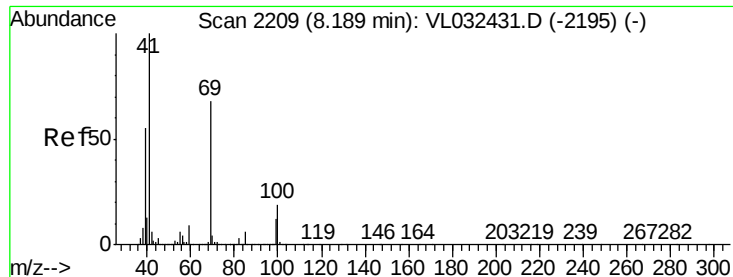


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.781 ppbv

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

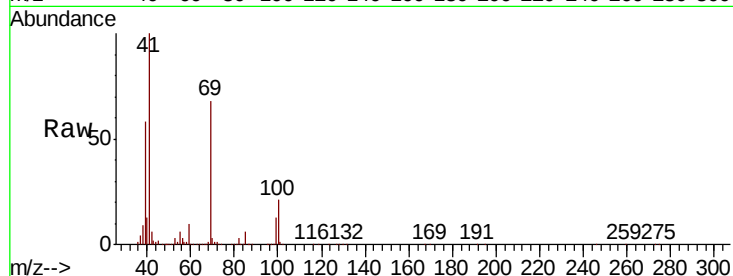
Tgt Ion: 69 Resp: 1416120

Ion Ratio Lower Upper

69 100

41 152.1 117.1 175.7

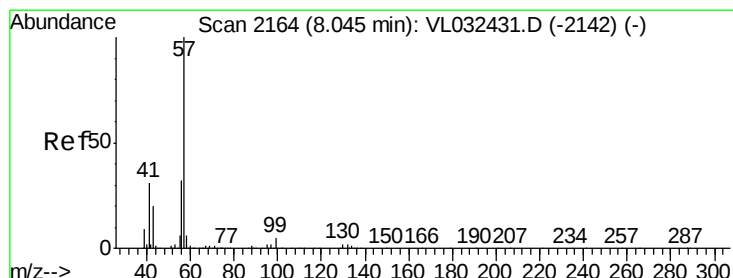
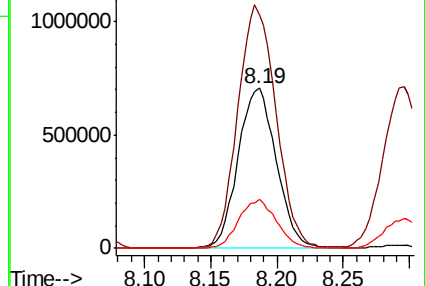
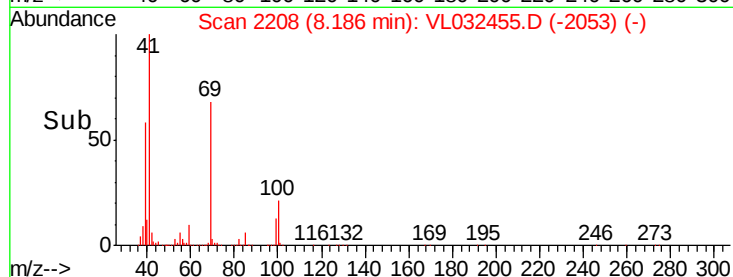
100 30.2 23.4 35.2



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: 10.645 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

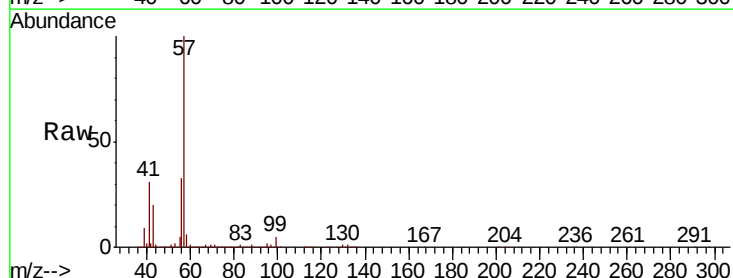
Tgt Ion: 57 Resp: 5831342

Ion Ratio Lower Upper

57 100

41 30.2 24.4 36.6

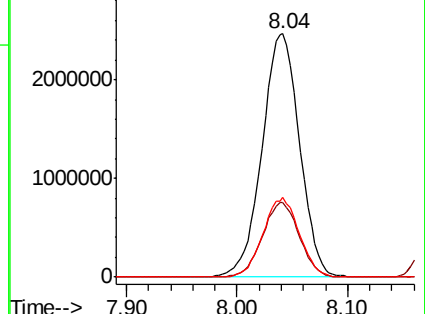
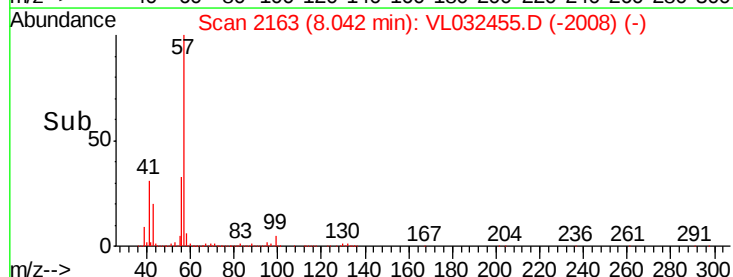
56 31.6 25.7 38.5

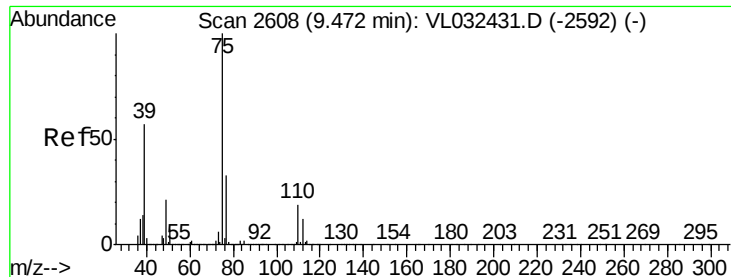


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

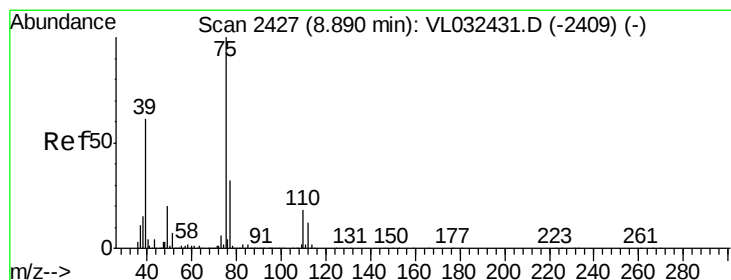
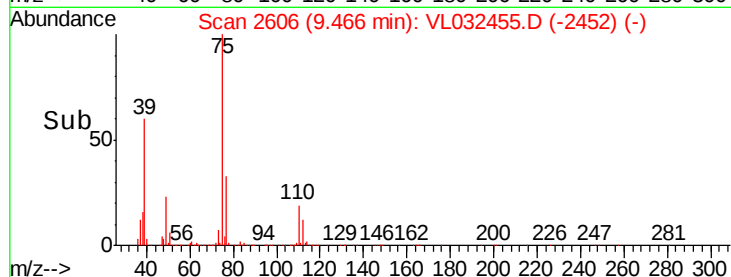
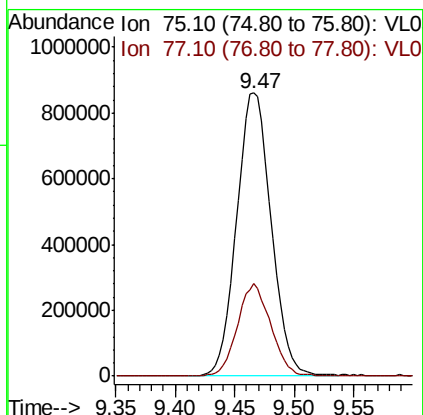
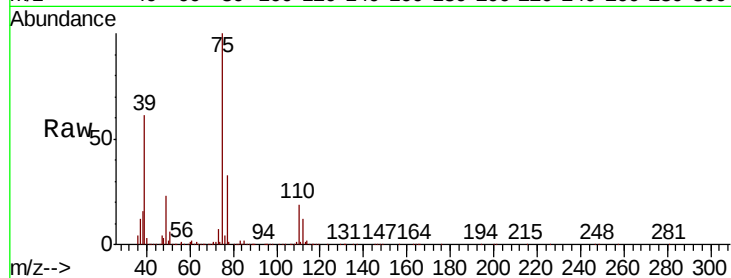




#45
t-1,3-Dichloropropene
Concen: 13.479 ppbv
RT: 9.47 min Scan# 2606
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

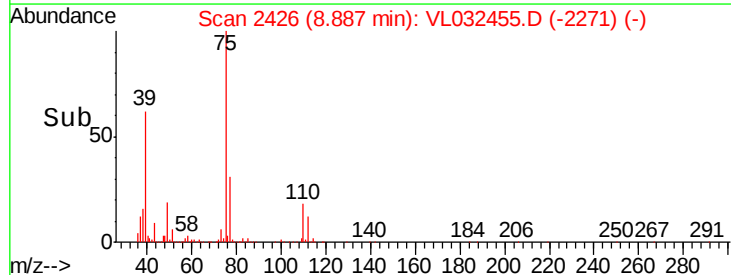
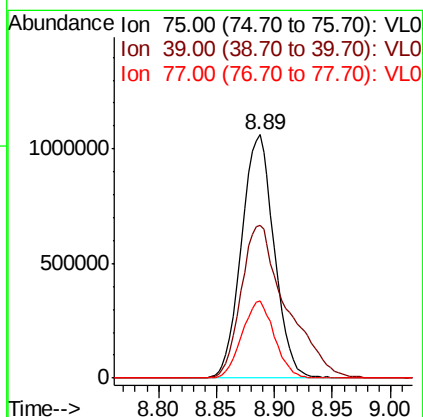
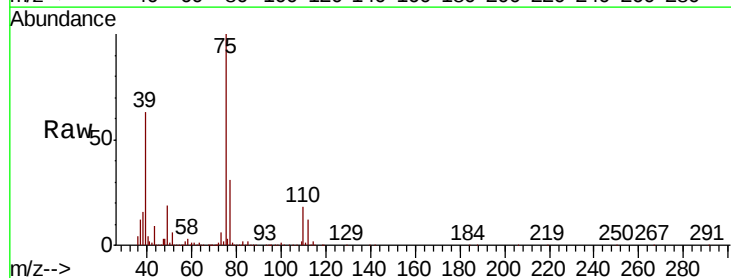
Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

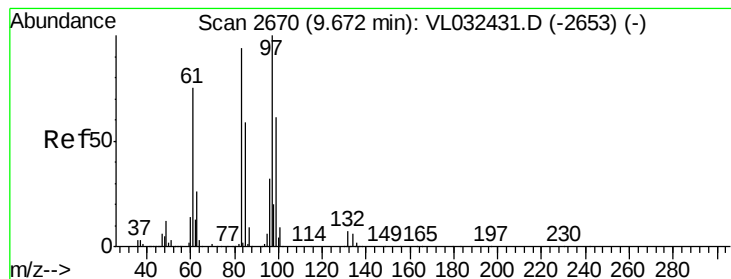
Tgt Ion: 75 Resp: 1733718
Ion Ratio Lower Upper
75 100
77 32.5 26.2 39.2



#46
cis-1,3-Dichloropropene
Concen: 12.675 ppbv
RT: 8.89 min Scan# 2426
Delta R.T. -0.00 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

Tgt Ion: 75 Resp: 2083306
Ion Ratio Lower Upper
75 100
39 62.5 48.9 73.3
77 31.5 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.272 ppbv

RT: 9.67 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

Tgt Ion: 97 Resp: 1195026

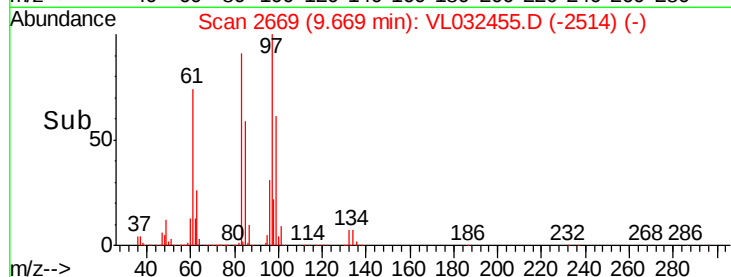
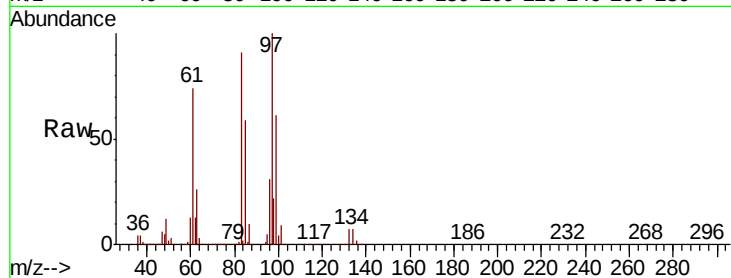
Ion Ratio Lower Upper

97 100

83 91.4 75.0 112.4

85 58.9 47.5 71.3

99 61.2 49.0 73.6

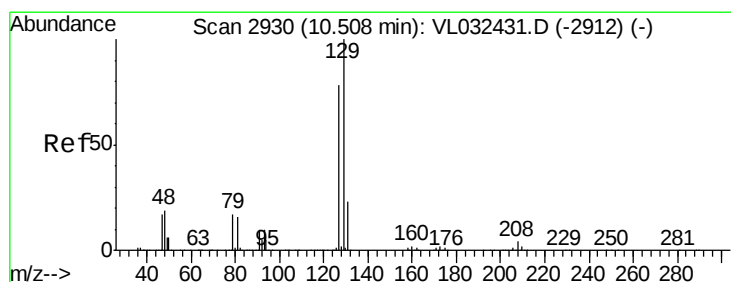
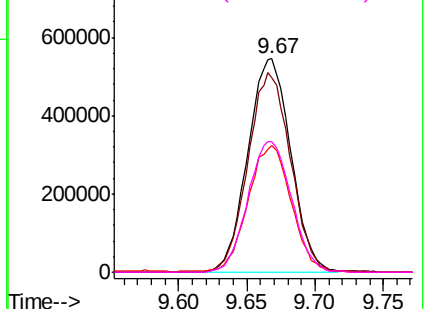


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.572 ppbv

RT: 10.50 min Scan# 2928

Delta R.T. -0.01 min

Lab File: VL032455.D

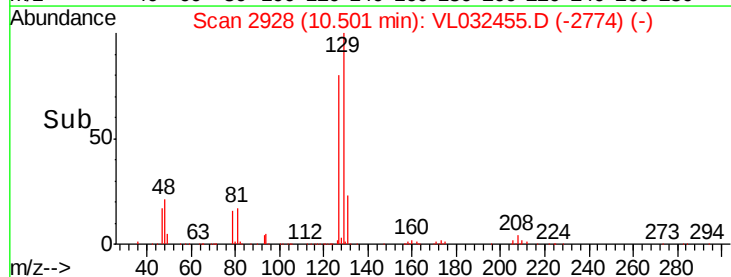
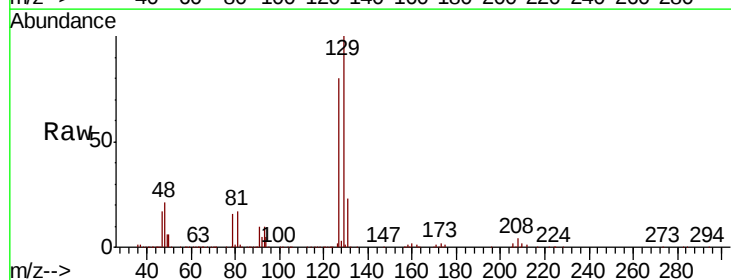
Acq: 5 Sep 2018 13:22

Tgt Ion: 129 Resp: 2065702

Ion Ratio Lower Upper

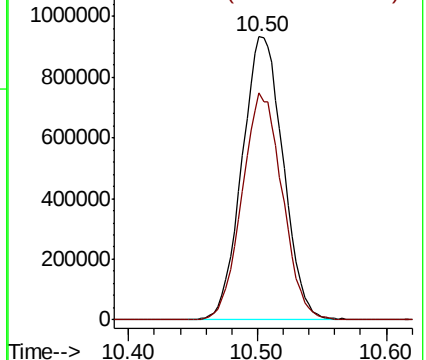
129 100

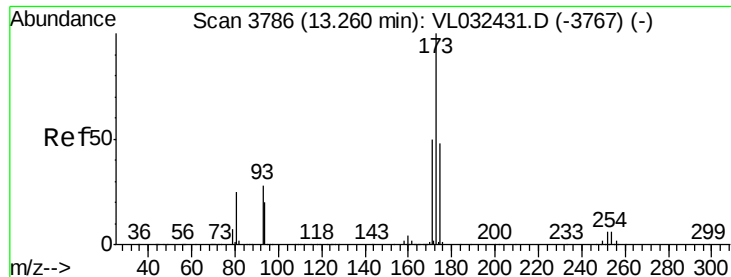
127 78.9 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.018 ppbv

RT: 13.26 min Scan# 3785

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

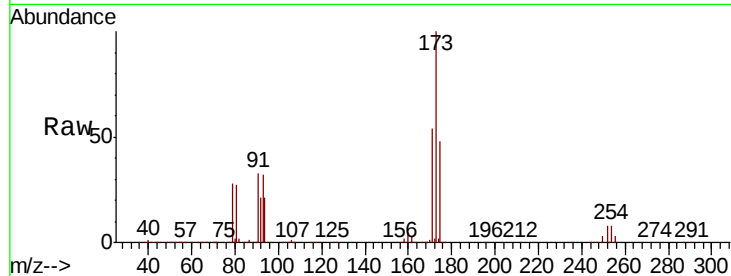
Tgt Ion:173 Resp: 1554282

Ion Ratio Lower Upper

173 100

175 48.4 38.9 58.3

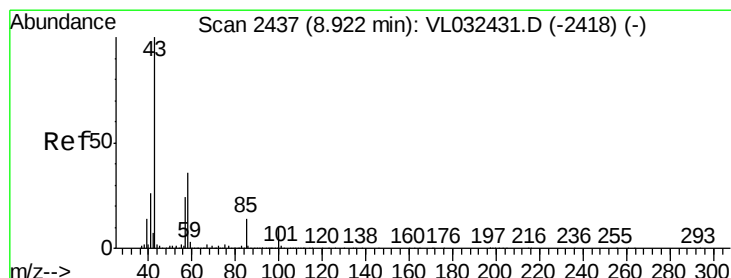
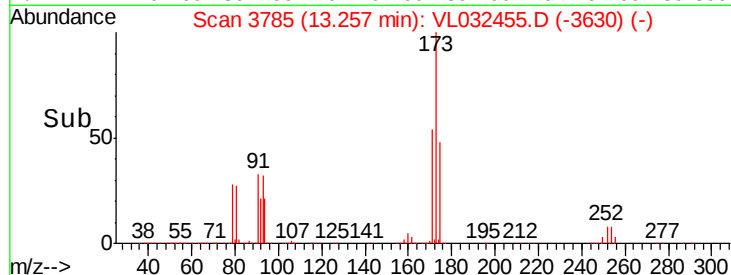
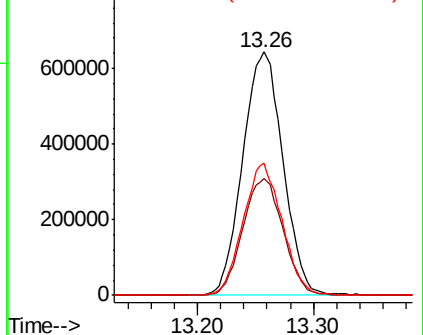
171 52.4 41.6 62.4



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: 10.784 ppbv

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032455.D

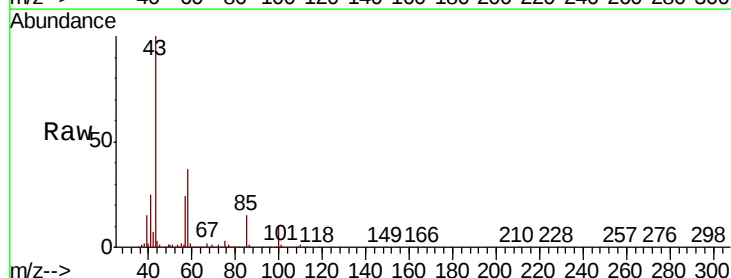
Acq: 5 Sep 2018 13:22

Tgt Ion: 43 Resp: 3592623

Ion Ratio Lower Upper

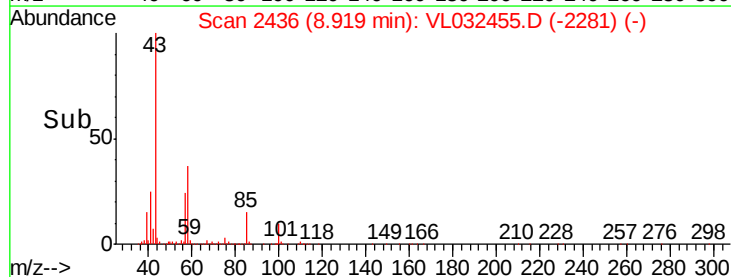
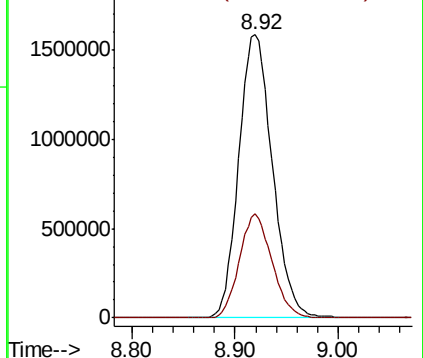
43 100

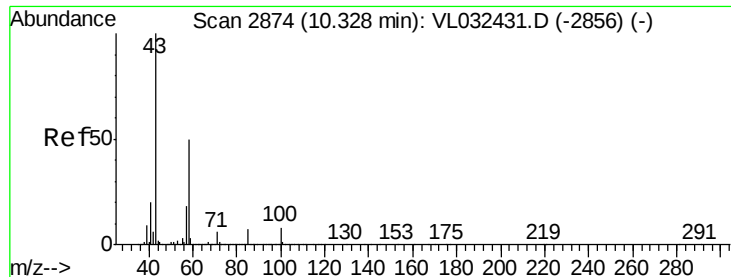
58 35.8 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

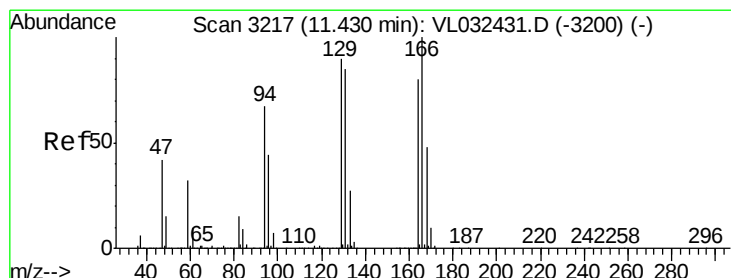
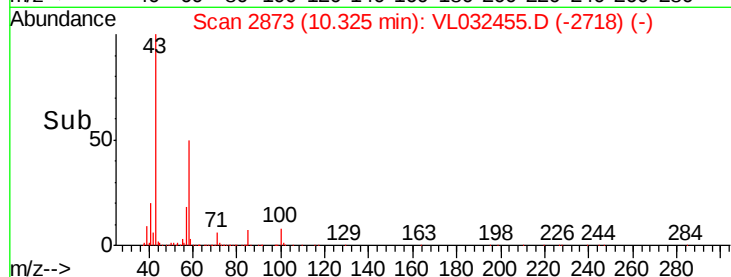
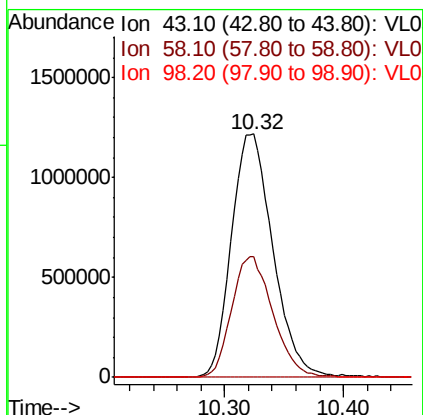
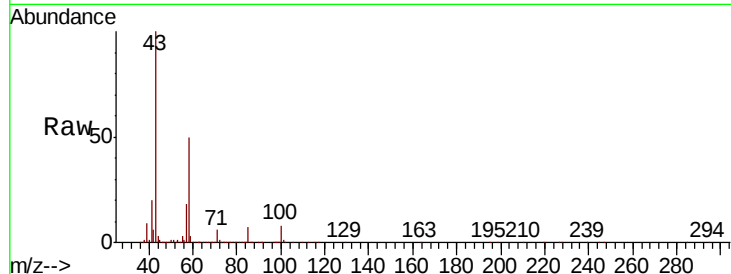




#51
2-Hexanone
Concen: 13.679 ppbv
RT: 10.32 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

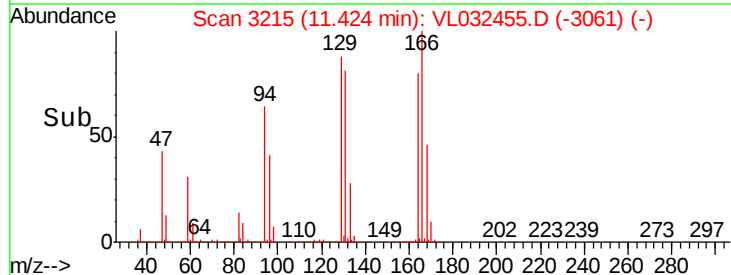
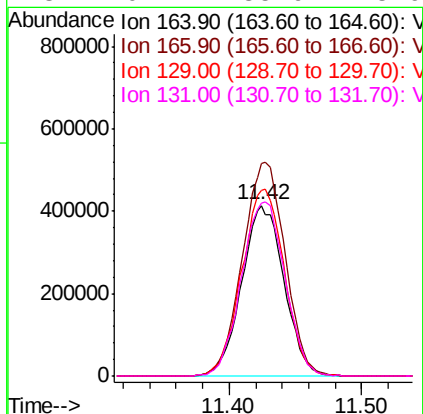
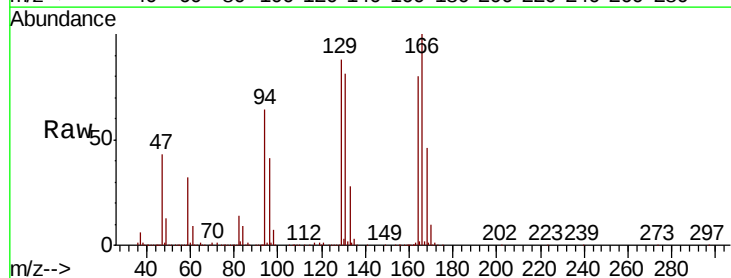
Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

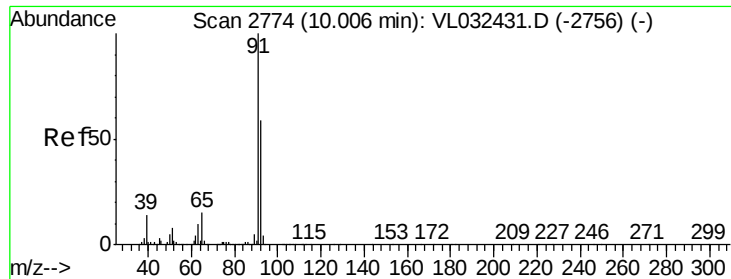
Tgt Ion: 43 Resp: 2935268
Ion Ratio Lower Upper
43 100
58 49.5 39.2 58.8
98 0.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.372 ppbv
RT: 11.42 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

Tgt Ion: 164 Resp: 911267
Ion Ratio Lower Upper
164 100
166 124.4 100.6 150.8
129 109.2 89.9 134.9
131 101.1 85.9 128.9





#53

Toluene

Concen: 11.500 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

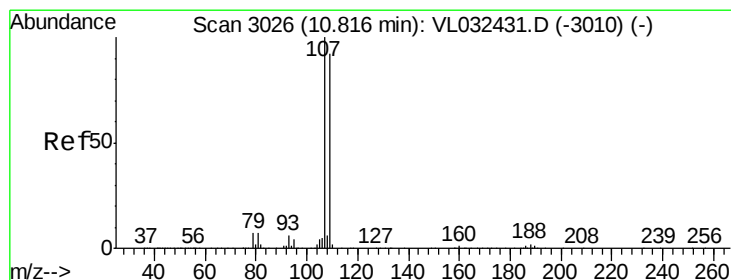
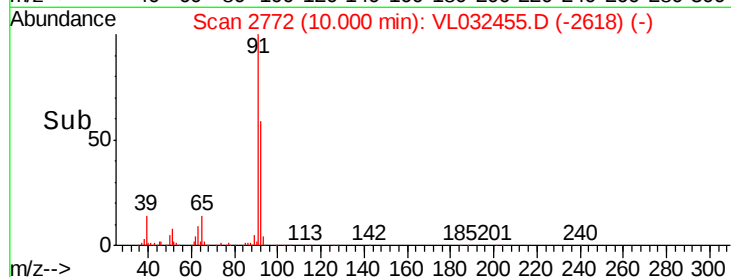
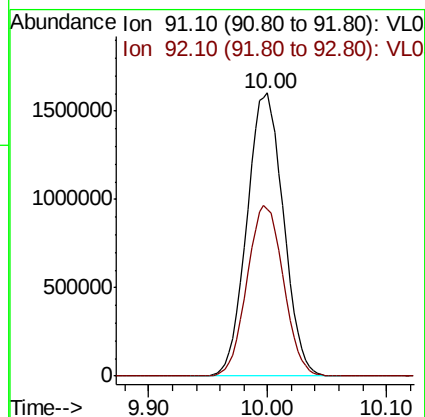
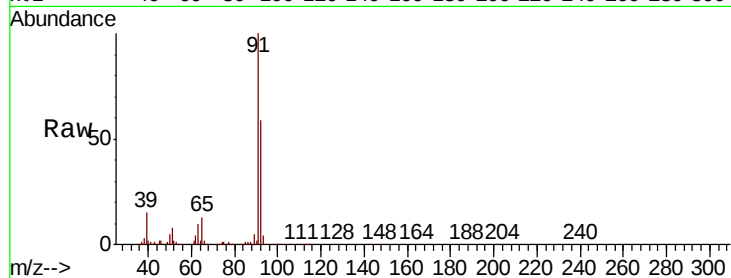
VL0905ABS01

Tgt Ion: 91 Resp: 3405855

Ion Ratio Lower Upper

91 100

92 60.4 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.241 ppbv

RT: 10.81 min Scan# 3024

Delta R.T. -0.01 min

Lab File: VL032455.D

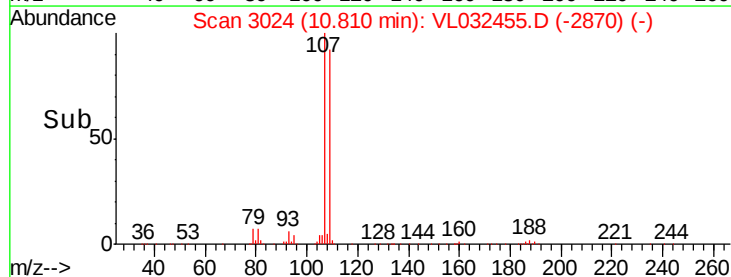
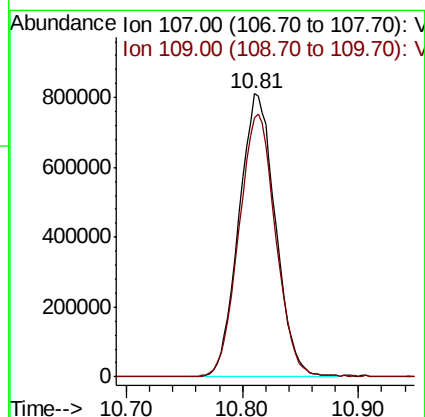
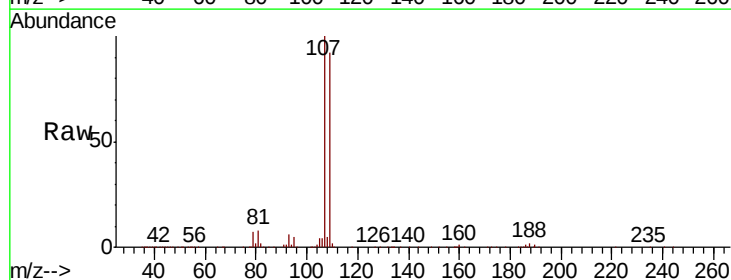
Acq: 5 Sep 2018 13:22

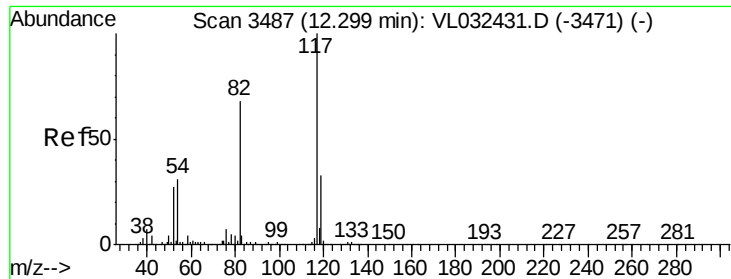
Tgt Ion: 107 Resp: 1772193

Ion Ratio Lower Upper

107 100

109 91.7 73.9 110.9

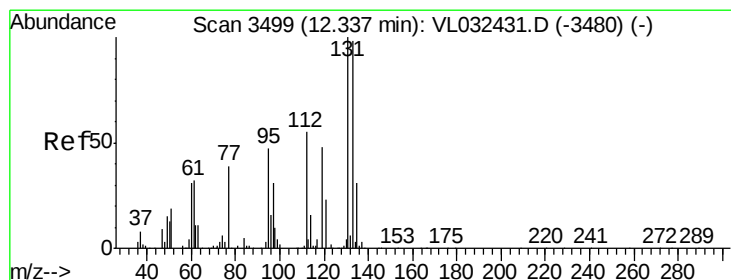
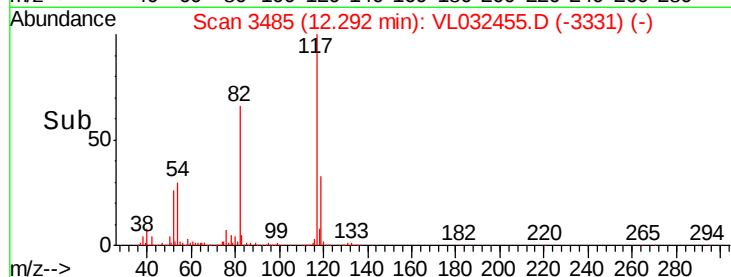
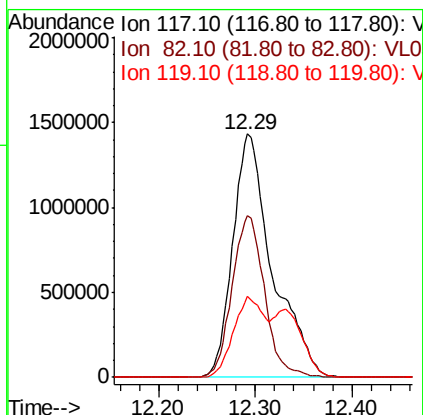
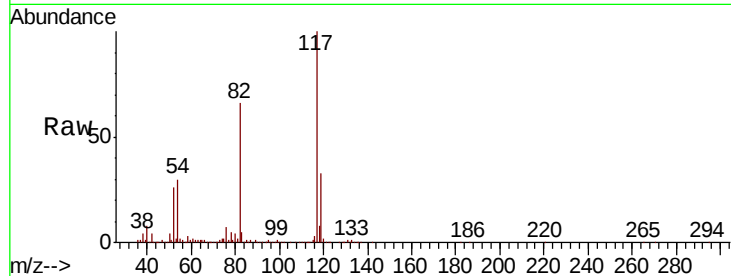




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

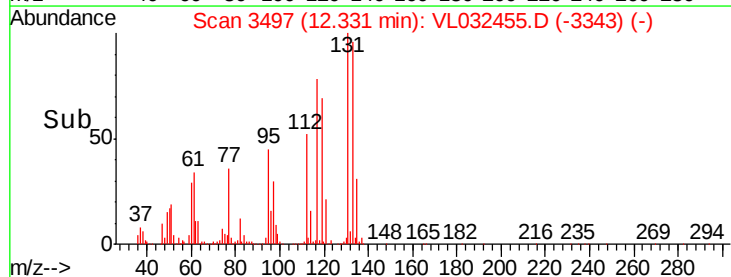
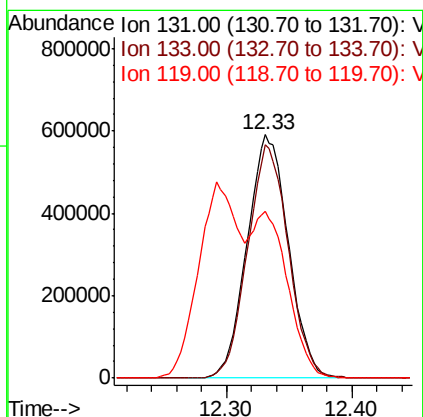
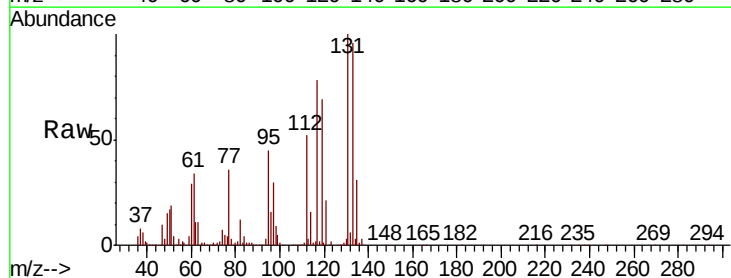
Instrument :
MSVOA_L
ClientSampleId :
VL0905ABS01

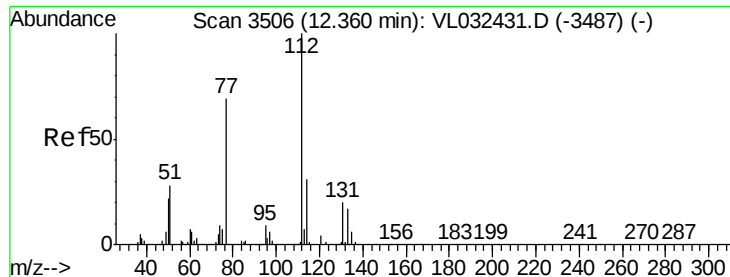
Tgt Ion:117 Resp: 4084735
Ion Ratio Lower Upper
117 100
82 54.4 53.0 79.6
119 46.8 45.9 68.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.327 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.01 min
Lab File: VL032455.D
Acq: 5 Sep 2018 13:22

Tgt Ion:131 Resp: 1349325
Ion Ratio Lower Upper
131 100
133 94.8 77.0 115.4
119 61.7 114.2 171.2#





#57

Chlorobenzene

Concen: 7.536 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

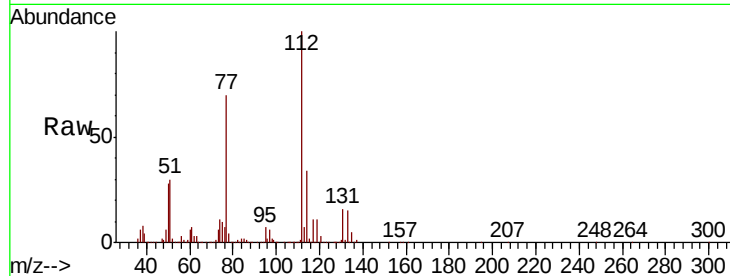
Tgt Ion:112 Resp: 2460140

Ion Ratio Lower Upper

112 100

77 69.6 56.1 84.1

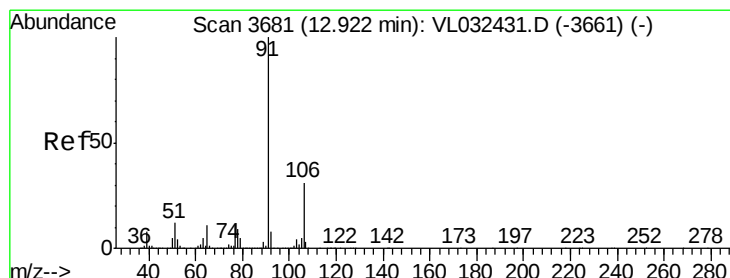
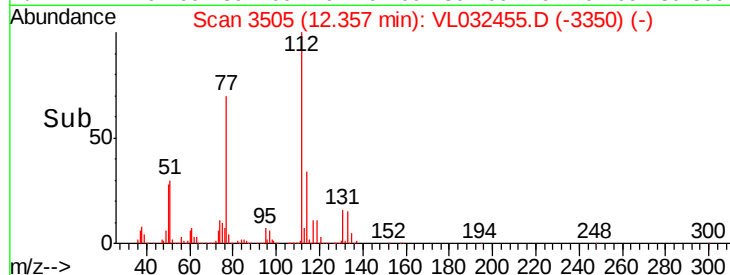
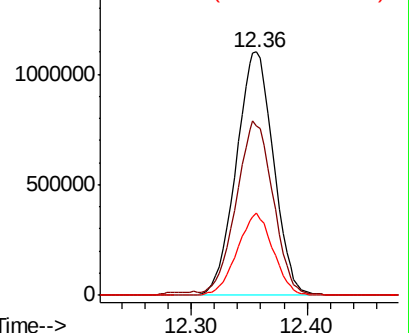
114 33.5 27.8 34.0



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: 9.400 ppbv

RT: 12.92 min Scan# 3679

Delta R.T. -0.01 min

Lab File: VL032455.D

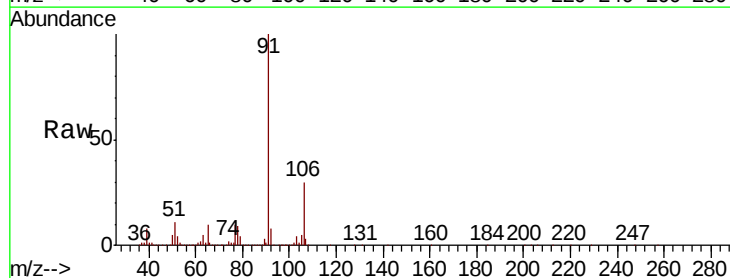
Acq: 5 Sep 2018 13:22

Tgt Ion: 91 Resp: 4595108

Ion Ratio Lower Upper

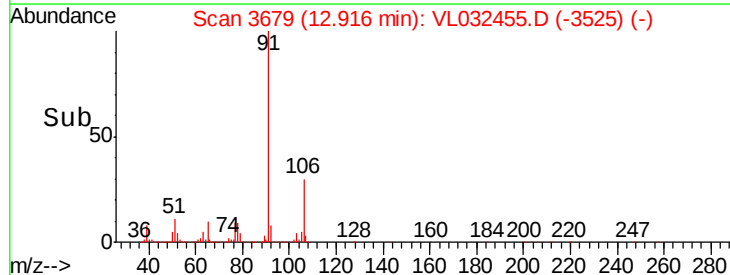
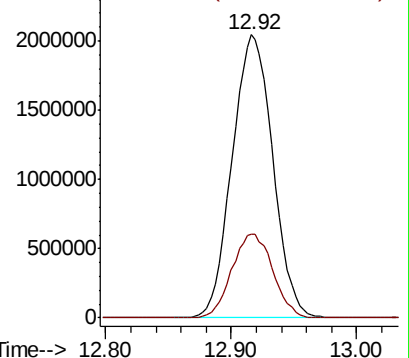
91 100

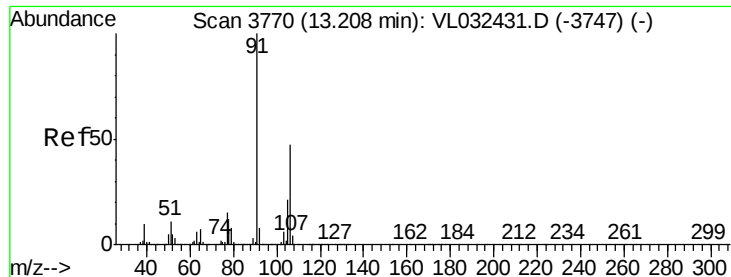
106 29.7 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.682 ppbv

RT: 13.21 min Scan# 3769

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

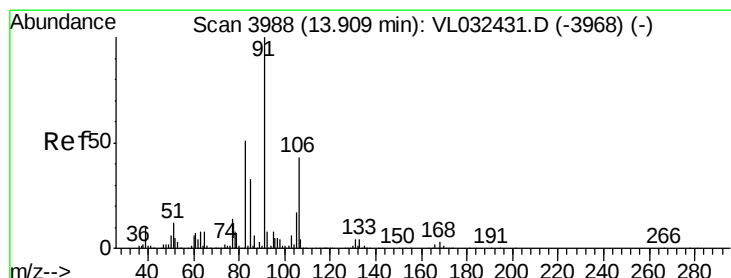
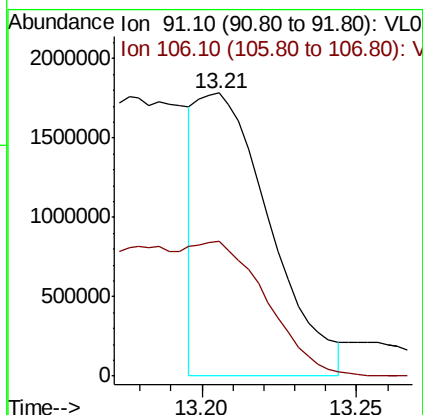
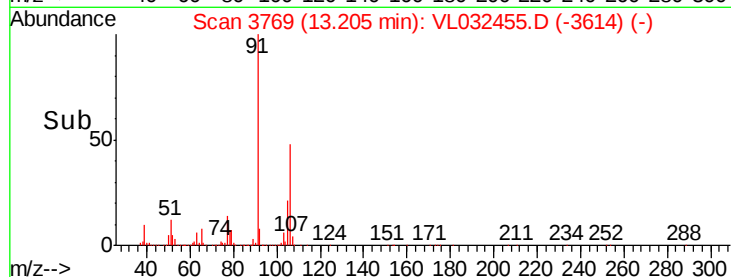
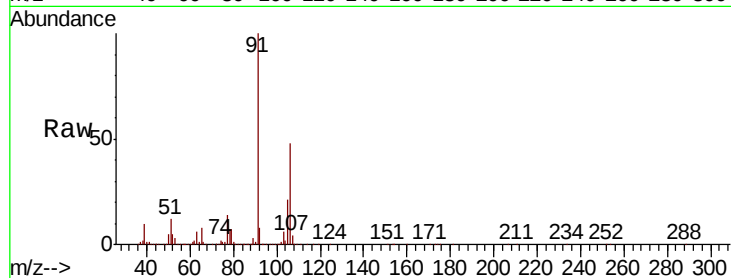
VL0905ABS01

Tgt Ion: 91 Resp: 2912038

Ion Ratio Lower Upper

91 100

106 115.9 36.6 55.0#



#60

o-Xylene

Concen: 8.182 ppbv

RT: 13.90 min Scan# 3986

Delta R.T. -0.01 min

Lab File: VL032455.D

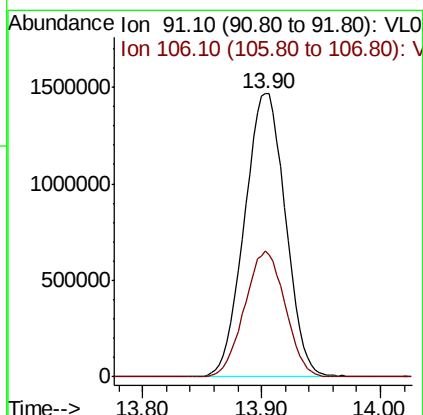
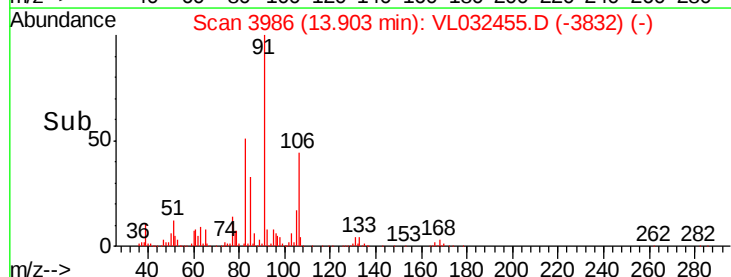
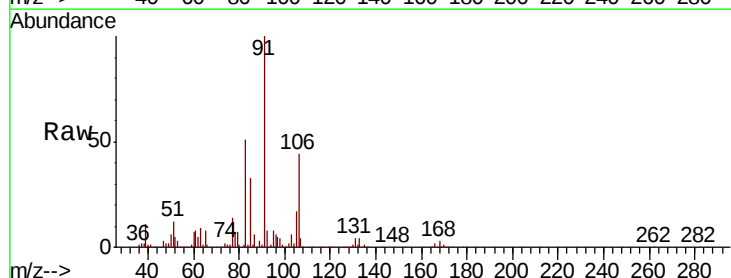
Acq: 5 Sep 2018 13:22

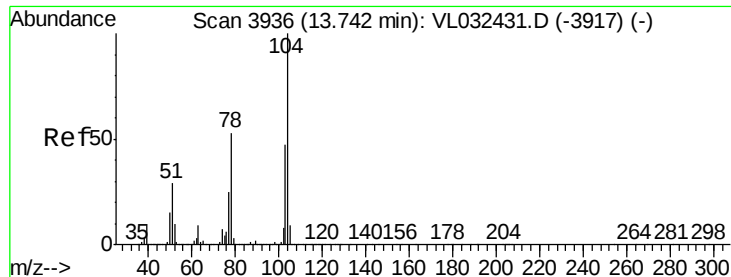
Tgt Ion: 91 Resp: 3502480

Ion Ratio Lower Upper

91 100

106 44.0 21.9 65.7





#61

Styrene

Concen: 9.928 ppbv

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

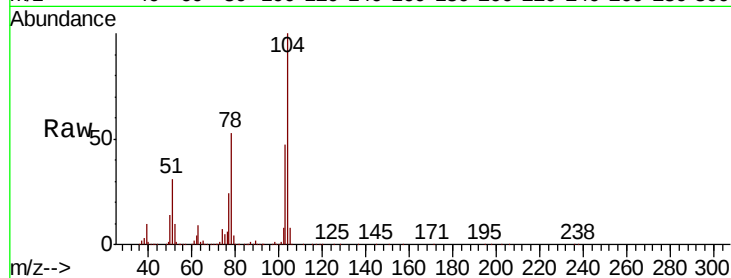
Tgt Ion:104 Resp: 2751392

Ion Ratio Lower Upper

104 100

78 52.7 41.8 62.8

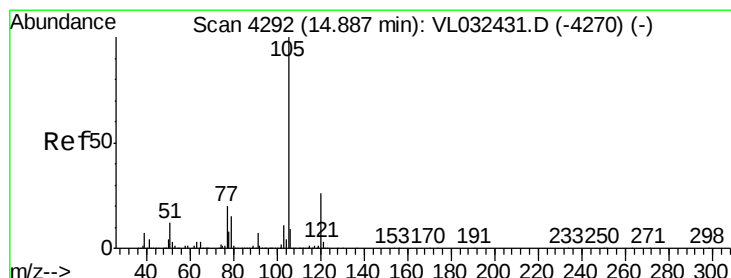
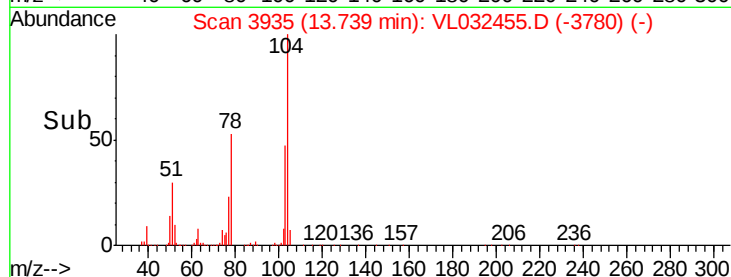
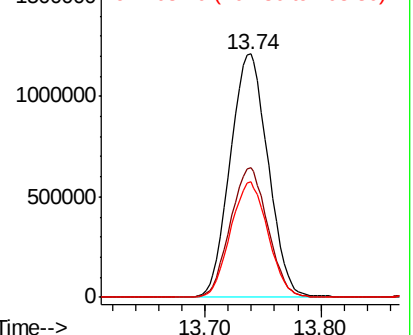
103 47.1 38.0 57.0



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: 8.601 ppbv

RT: 14.88 min Scan# 4290

Delta R.T. -0.01 min

Lab File: VL032455.D

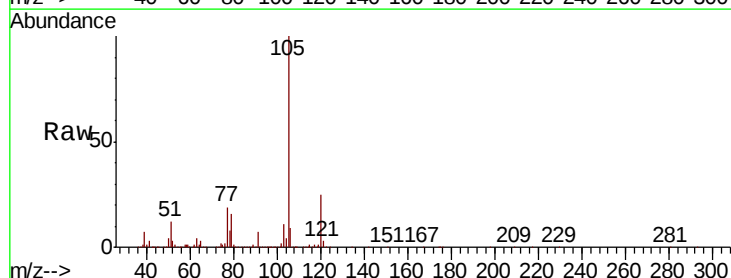
Acq: 5 Sep 2018 13:22

Tgt Ion:105 Resp: 5176256

Ion Ratio Lower Upper

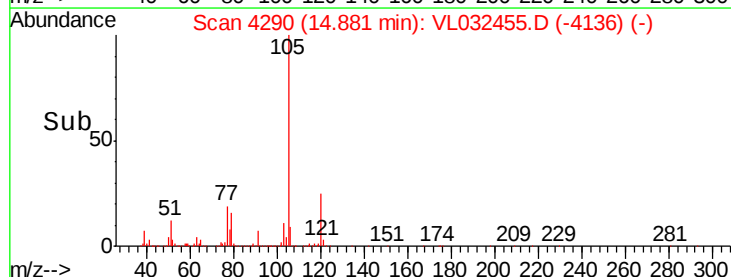
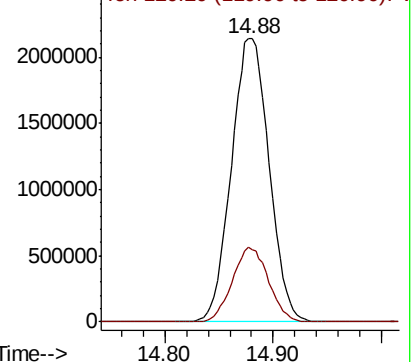
105 100

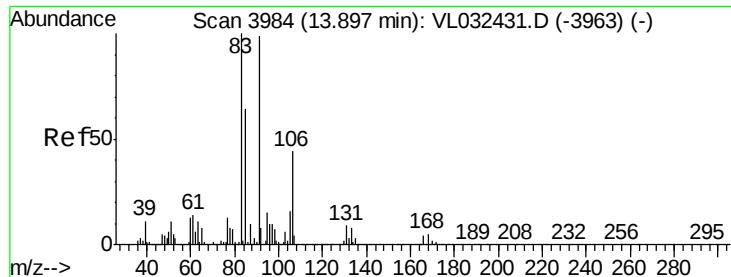
120 25.3 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

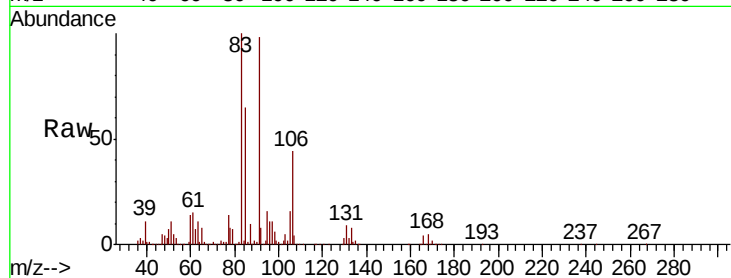




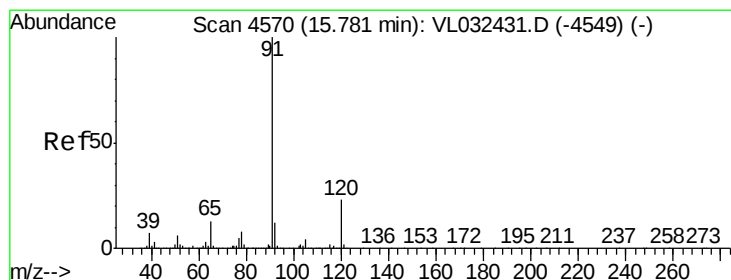
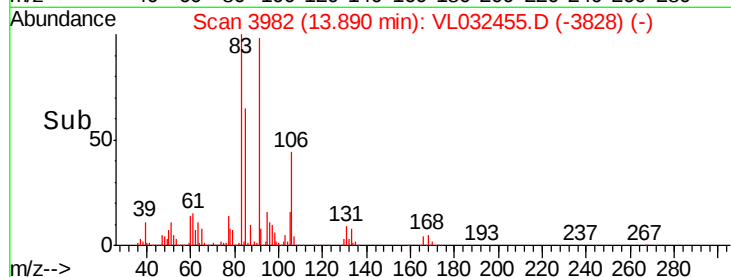
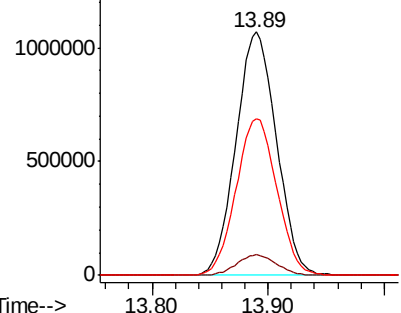
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.779 ppbv
 RT: 13.89 min Scan# 3982
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Tgt Ion: 83 Resp: 2594649
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 65.0 32.3 96.8

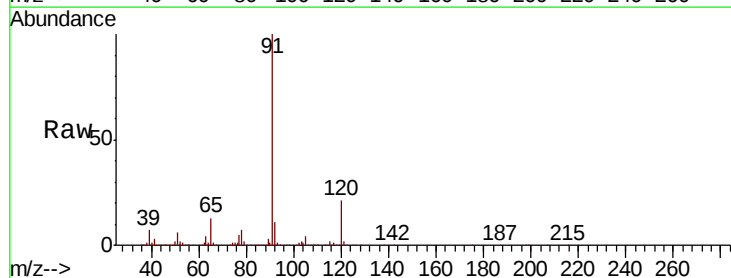


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

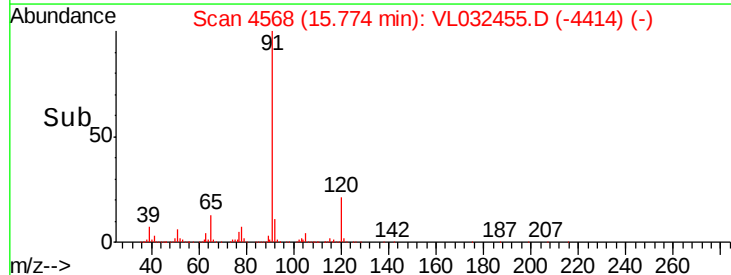
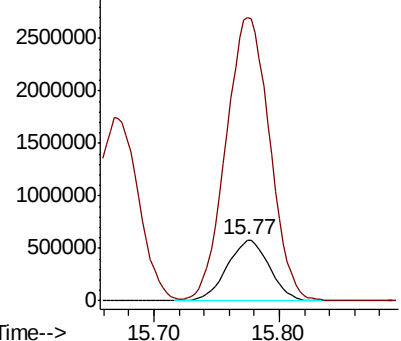


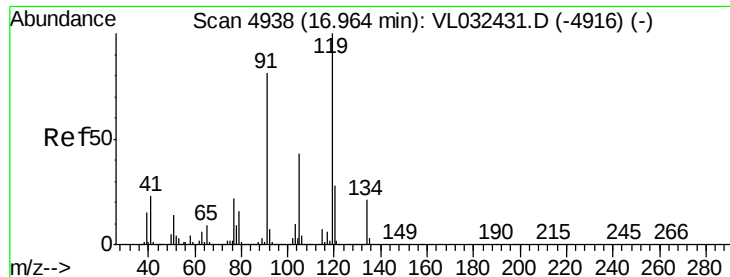
#64
 n-propylbenzene
 Concen: 8.579 ppbv
 RT: 15.77 min Scan# 4568
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion: 120 Resp: 1349638
 Ion Ratio Lower Upper
 120 100
 91 485.8 381.8 572.6



Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.277 ppbv

RT: 16.96 min Scan# 4936

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

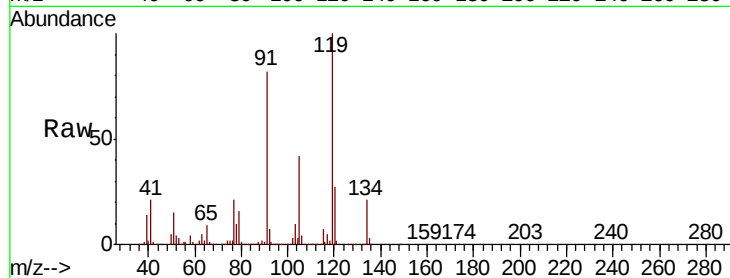
Tgt Ion: 119 Resp: 4292252

Ion Ratio Lower Upper

119 100

91 83.6 66.5 99.7

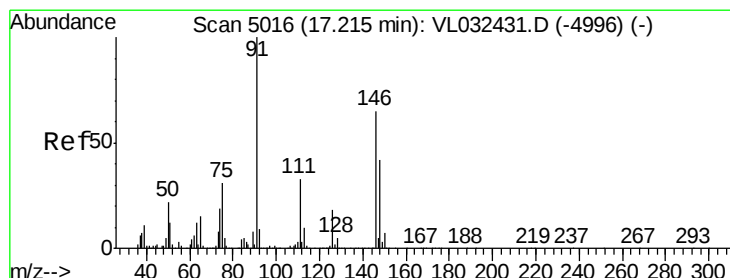
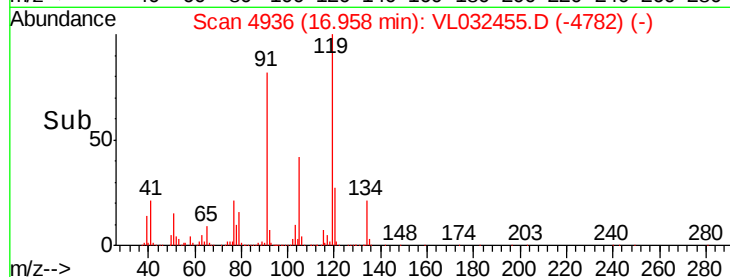
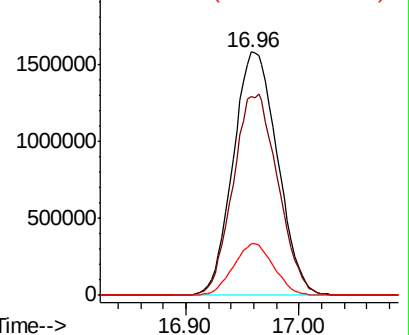
134 19.5 16.0 24.0



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: 9.648 ppbv

RT: 17.21 min Scan# 5014

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

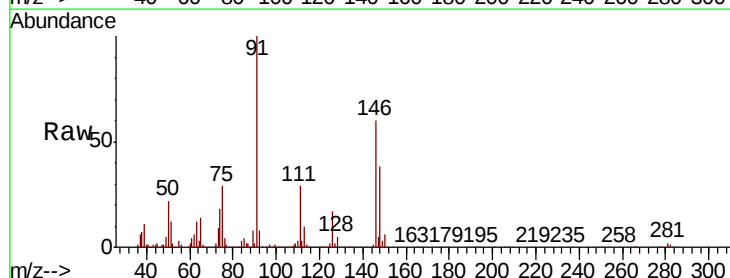
Tgt Ion: 91 Resp: 2787019

Ion Ratio Lower Upper

91 100

126 17.0 13.8 20.8

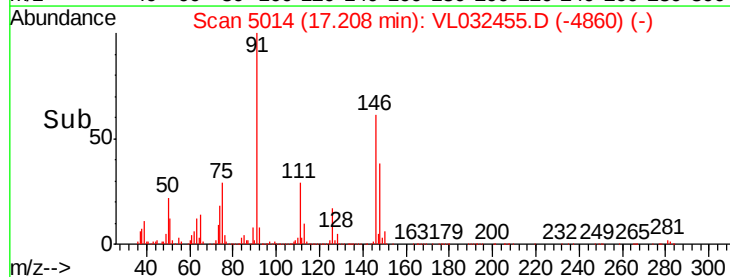
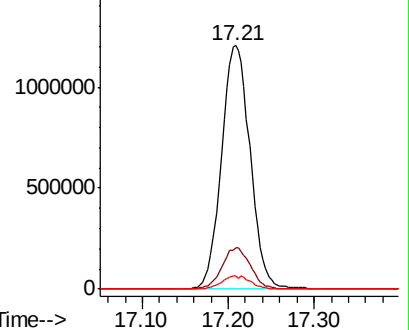
128 5.4 4.4 6.6

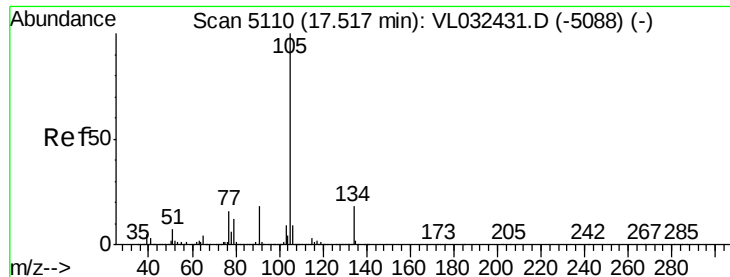


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.293 ppbv

RT: 17.51 min Scan# 5108

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

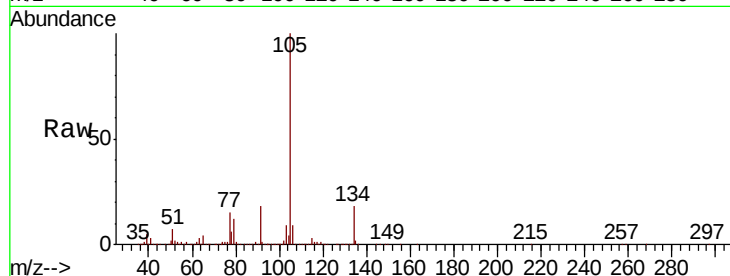
VL0905ABS01

Tgt Ion:105 Resp: 6467464

Ion Ratio Lower Upper

105 100

134 17.6 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

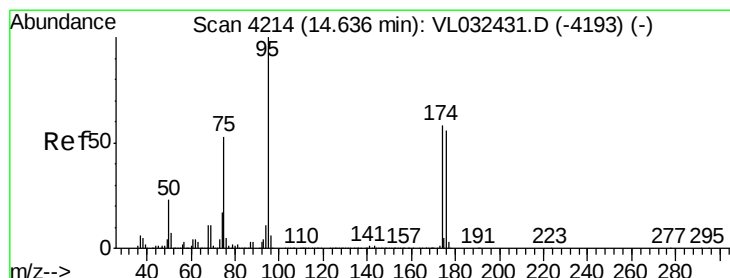
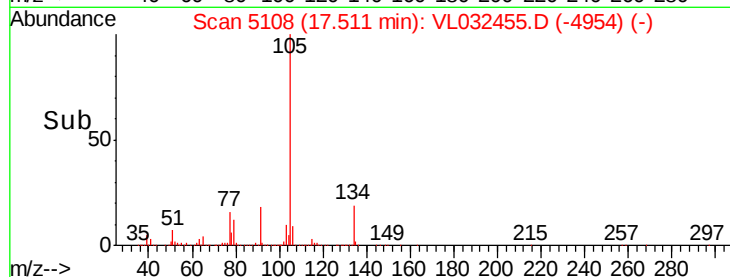
1000000

500000

0

17.40 17.50 17.60

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.153 ppbv

RT: 14.63 min Scan# 4212

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

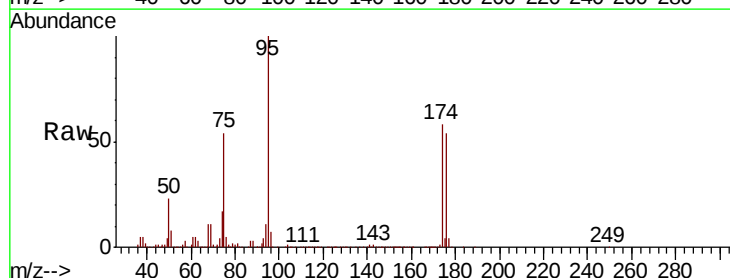
Tgt Ion: 95 Resp: 2472482

Ion Ratio Lower Upper

95 100

174 57.4 46.3 69.5

175 4.2 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

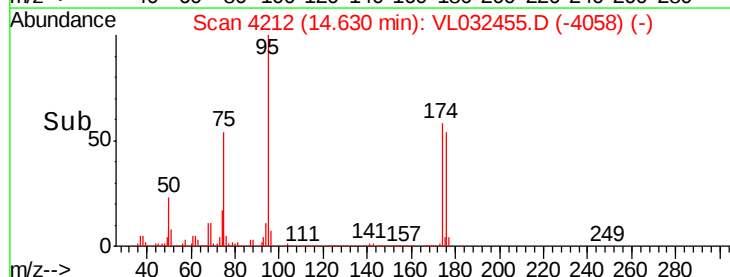
1000000

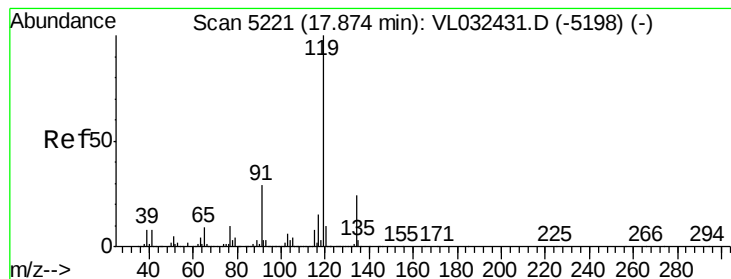
500000

0

14.60 14.70

Time-->





#69

p-Isopropyltoluene

Concen: 8.597 ppbv

RT: 17.87 min Scan# 5219

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

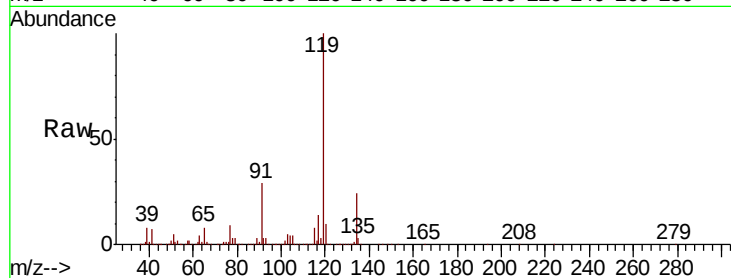
Tgt Ion: 119 Resp: 5195766

Ion Ratio Lower Upper

119 100

134 24.9 20.4 30.6

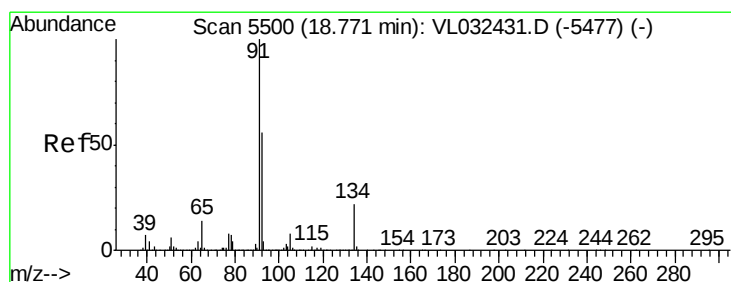
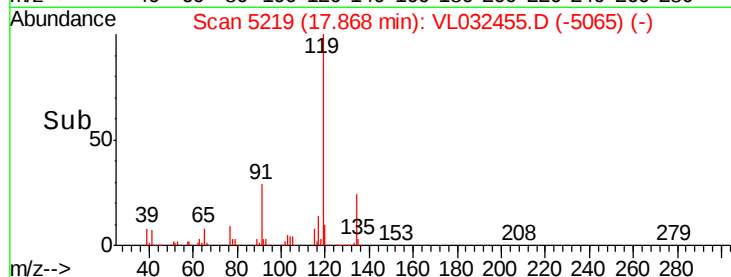
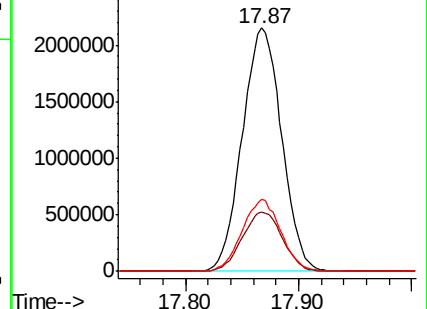
91 29.2 23.4 35.2



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.338 ppbv

RT: 18.76 min Scan# 5498

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

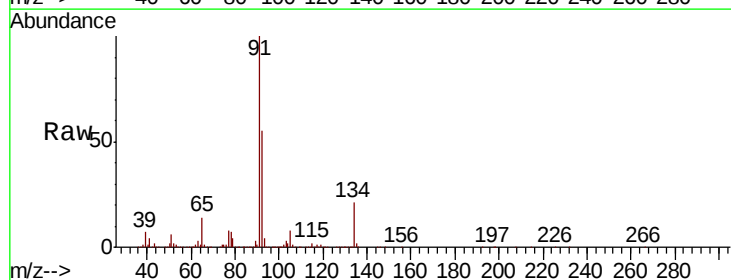
Tgt Ion: 91 Resp: 5712720

Ion Ratio Lower Upper

91 100

92 54.6 43.8 65.8

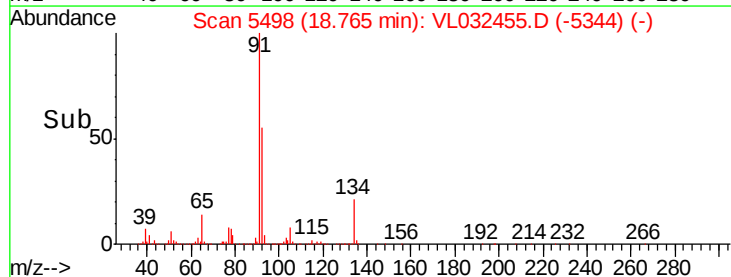
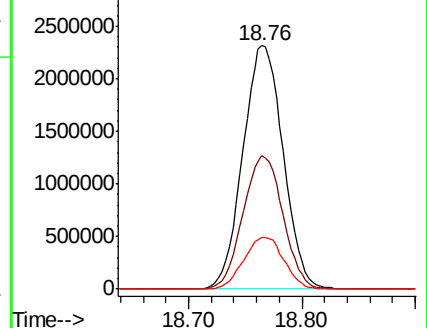
134 21.3 17.4 26.0

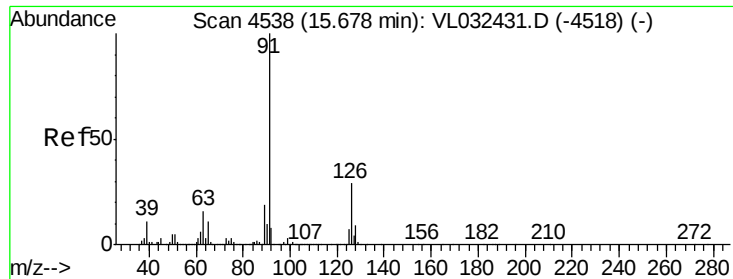


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.971 ppbv

RT: 15.67 min Scan# 4535

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

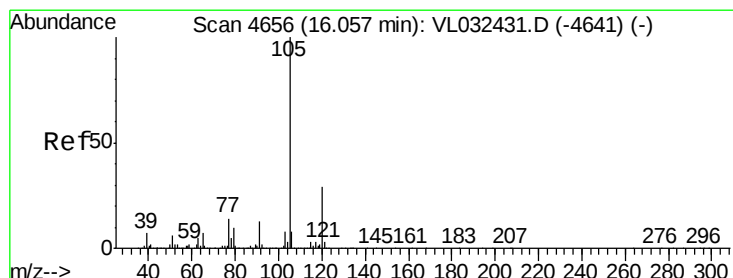
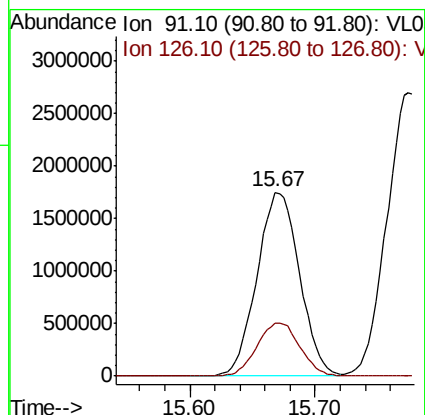
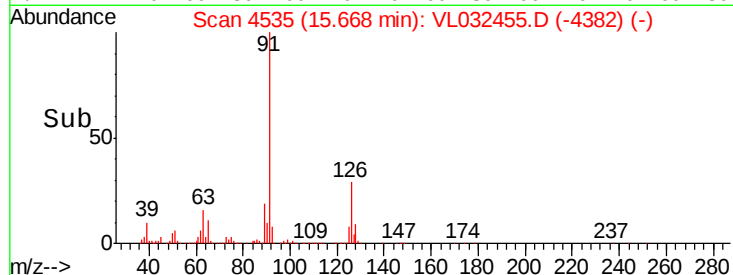
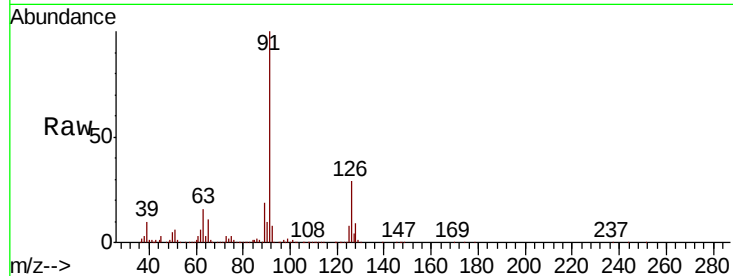
VL0905ABS01

Tgt Ion: 91 Resp: 4124464

Ion Ratio Lower Upper

91 100

126 29.3 11.9 47.7



#72

4-Ethyltoluene

Concen: 9.229 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Tgt Ion: 105 Resp: 4313262

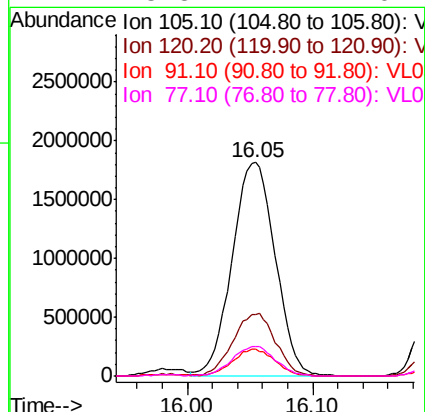
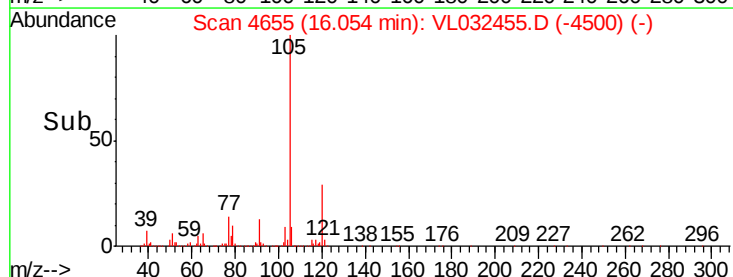
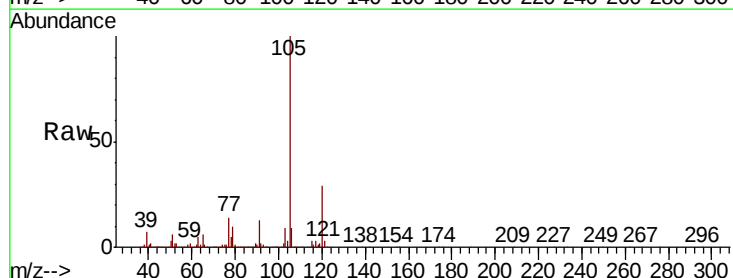
Ion Ratio Lower Upper

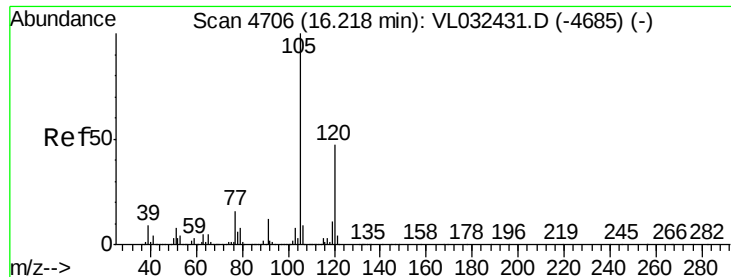
105 100

120 29.1 23.5 35.3

91 12.4 10.2 15.2

77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.702 ppbv

RT: 16.21 min Scan# 4704

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

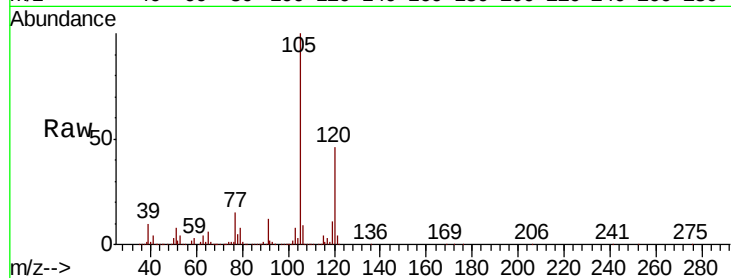
VL0905ABS01

Tgt Ion:105 Resp: 4074614

Ion Ratio Lower Upper

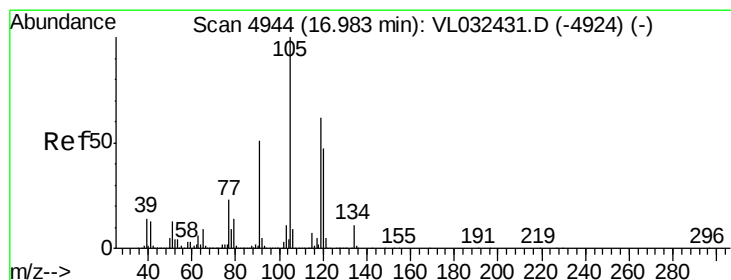
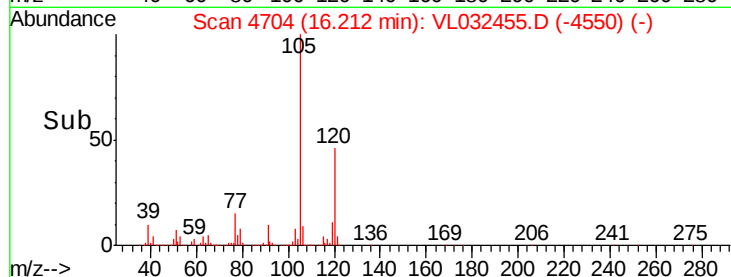
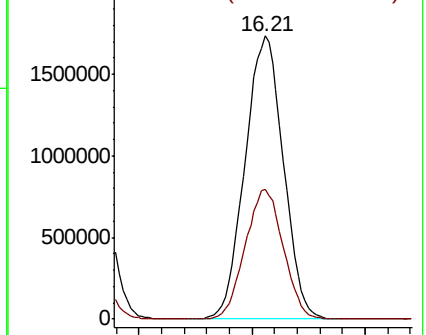
105 100

120 45.7 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.948 ppbv

RT: 16.98 min Scan# 4943

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Tgt Ion:105 Resp: 4068914

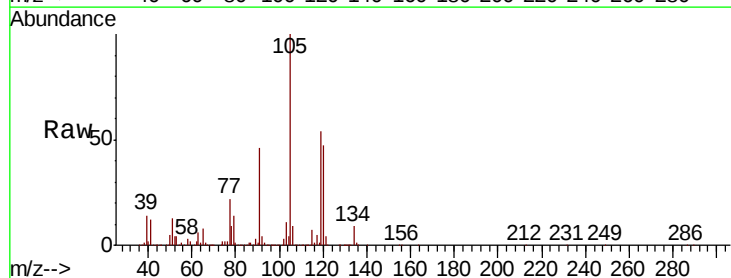
Ion Ratio Lower Upper

105 100

120 46.9 37.8 56.8

91 45.7 41.4 62.0

77 21.9 18.6 28.0

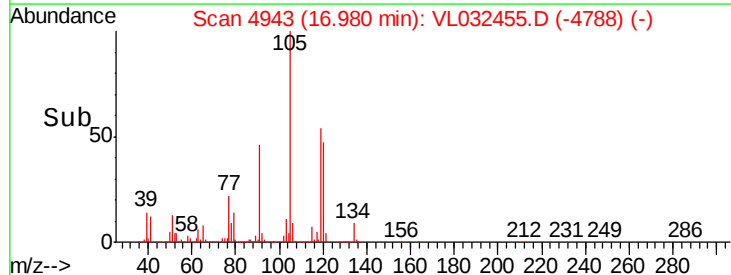
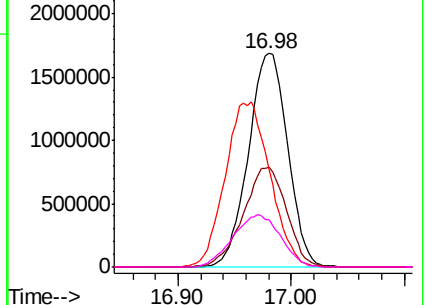


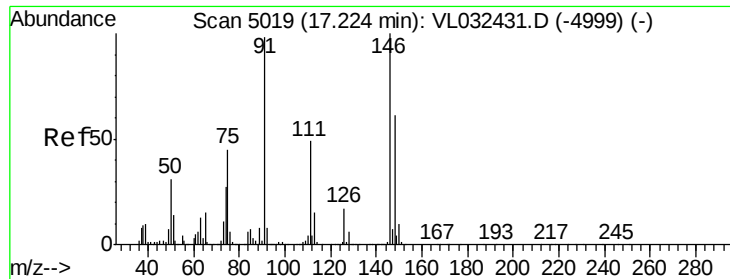
Abundance Ion 105.10 (104.80 to 105.80): V

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

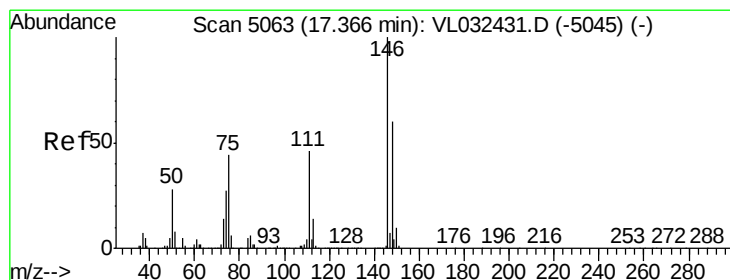
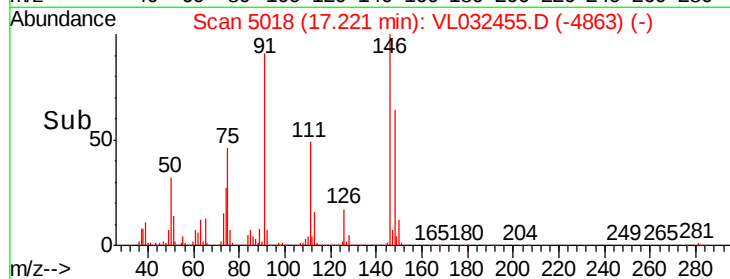
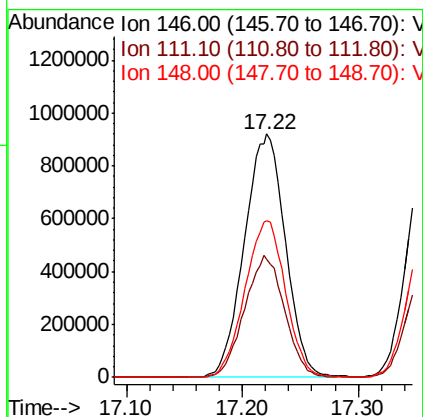
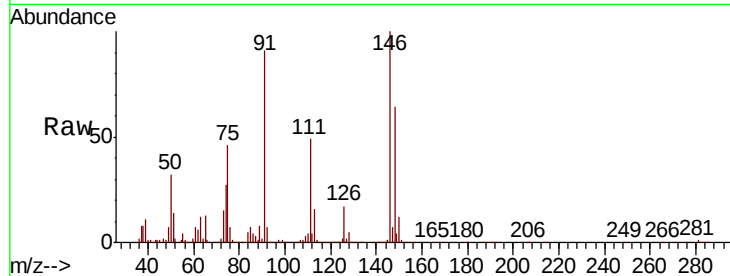




#75
 1,3-Dichlorobenzene
 Concen: 7.434 ppbv
 RT: 17.22 min Scan# 5018
 Delta R.T. -0.00 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

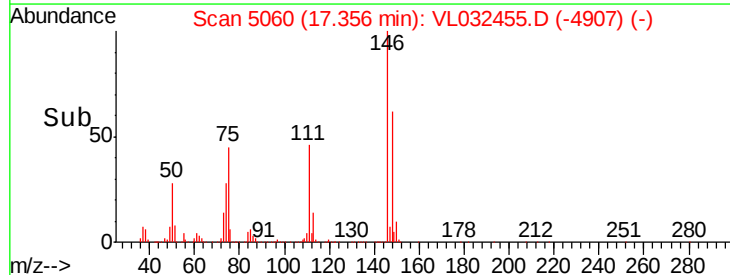
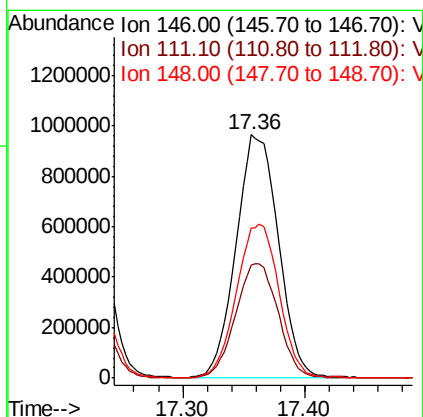
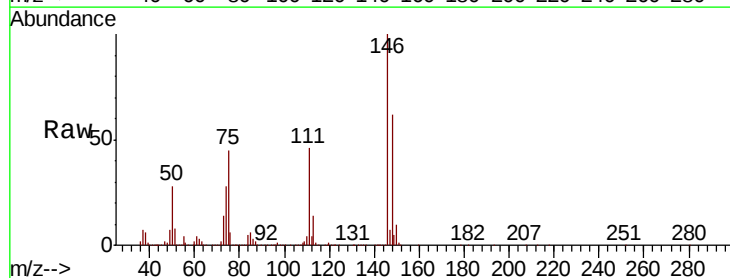
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

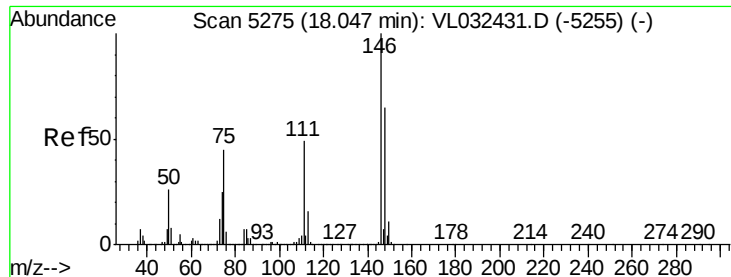
Tgt Ion:146 Resp: 2257906
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.5 73.5
 148 63.8 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 8.191 ppbv
 RT: 17.36 min Scan# 5060
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion:146 Resp: 2308435
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.2
 148 63.9 32.0 96.2

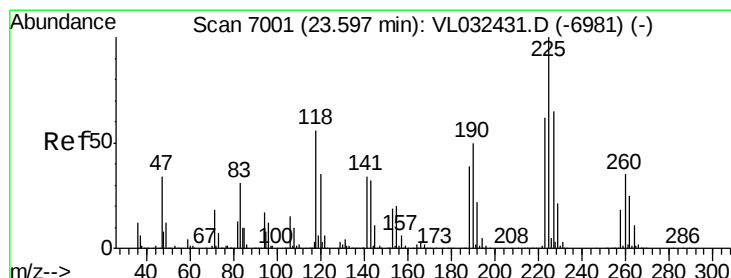
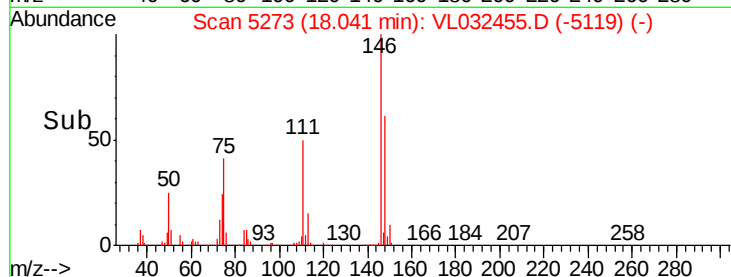
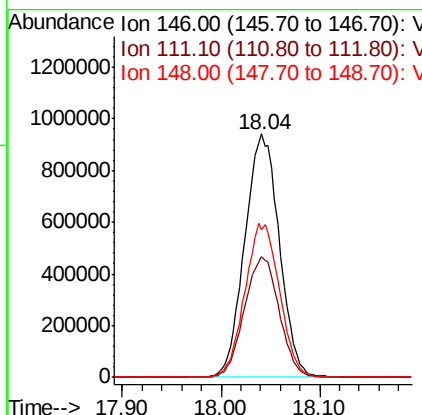
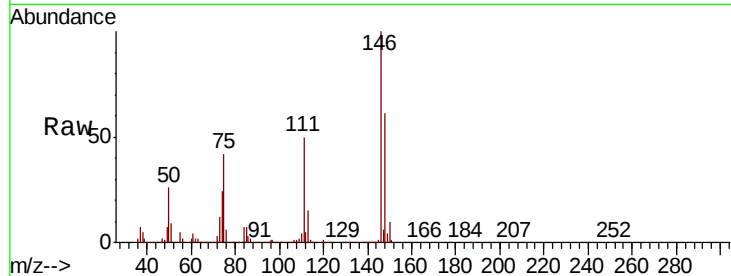




#77
 1,2-Dichlorobenzene
 Concen: 7.774 ppbv
 RT: 18.04 min Scan# 5273
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

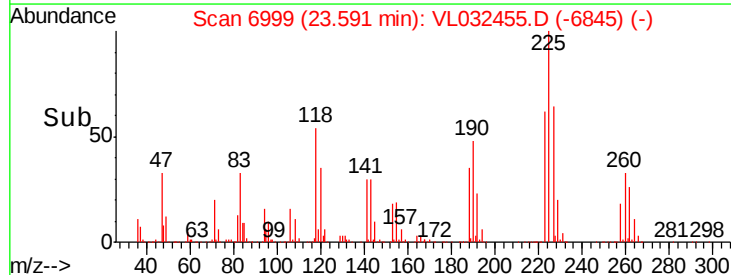
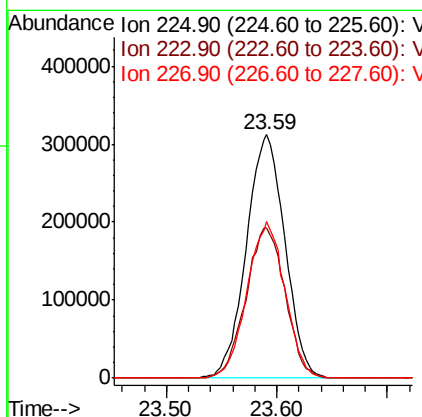
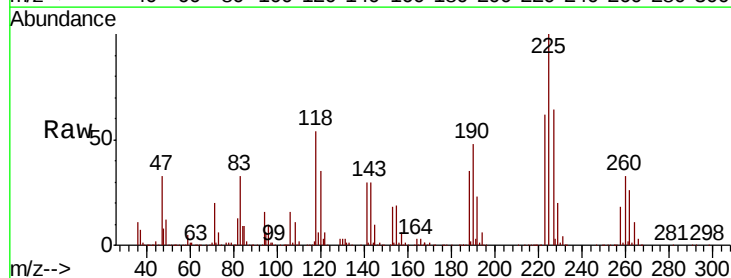
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

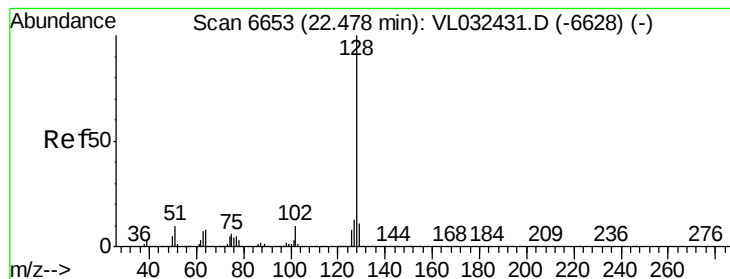
Tgt Ion:146 Resp: 2278363
 Ion Ratio Lower Upper
 146 100
 111 49.9 24.9 74.8
 148 63.6 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.882 ppbv
 RT: 23.59 min Scan# 6999
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Tgt Ion:225 Resp: 753592
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.6 76.0
 227 63.3 51.2 76.8





#79

Naphthalene

Concen: 9.526 ppbv

RT: 22.47 min Scan# 6651

Delta R.T. -0.01 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

Instrument :

MSVOA_L

ClientSampleId :

VL0905ABS01

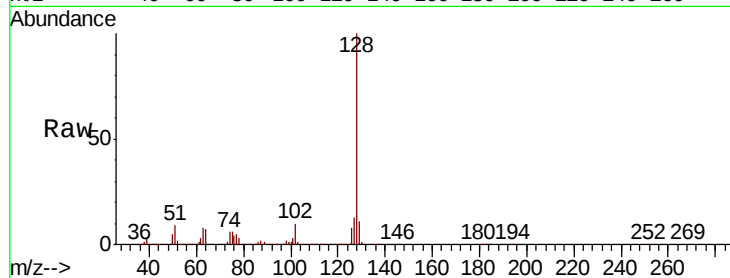
Tgt Ion:128 Resp: 3965533

Ion Ratio Lower Upper

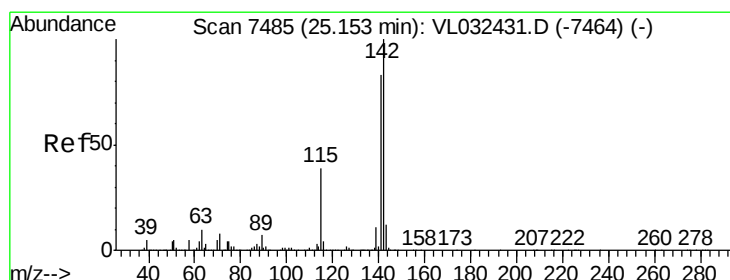
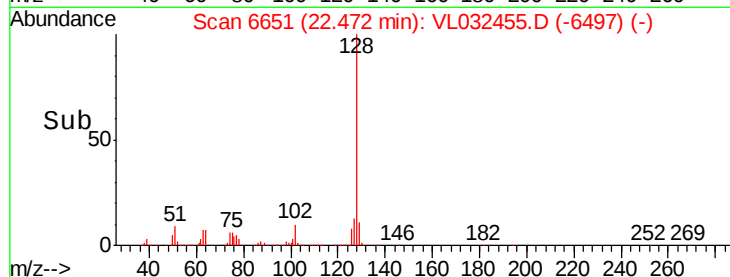
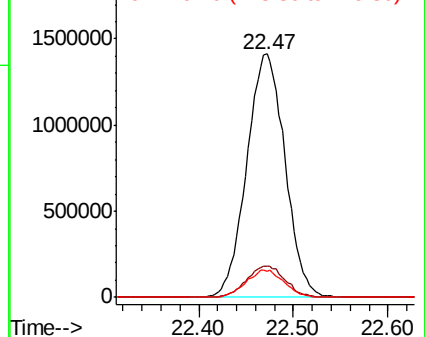
128 100

127 13.0 10.2 15.2

129 10.8 8.5 12.7



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: 15.238 ppbv

RT: 25.15 min Scan# 7484

Delta R.T. -0.00 min

Lab File: VL032455.D

Acq: 5 Sep 2018 13:22

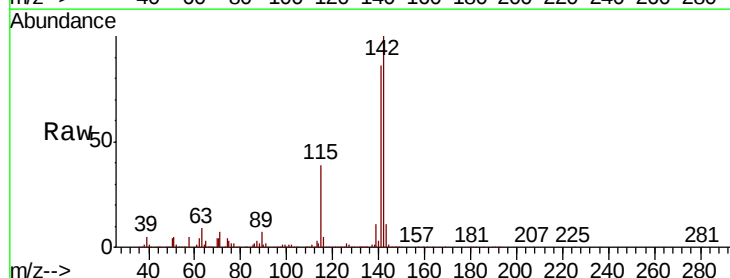
Tgt Ion:142 Resp: 1687825

Ion Ratio Lower Upper

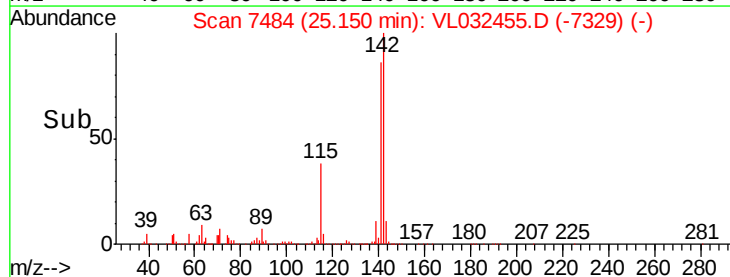
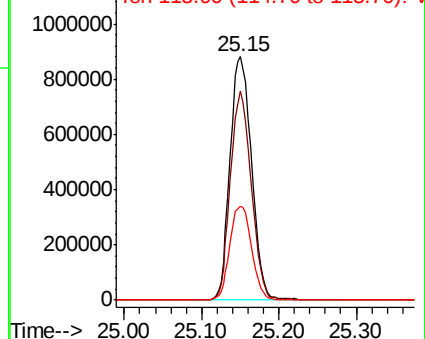
142 100

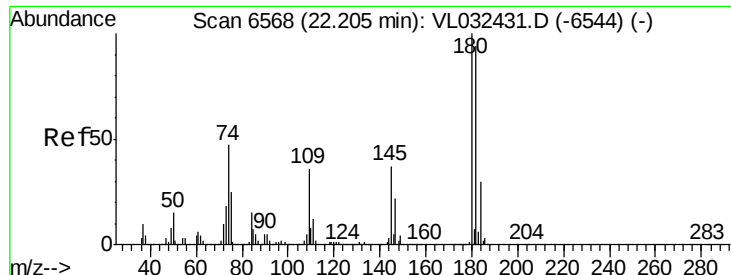
141 83.3 67.0 100.6

115 39.4 31.3 46.9



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

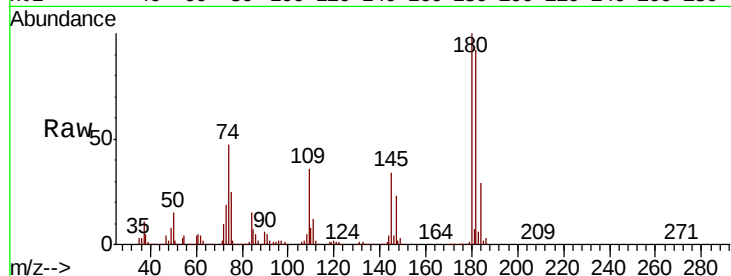




#81
 1,2,4-Trichlorobenzene
 Concen: 8.892 ppbv
 RT: 22.19 min Scan# 6564
 Delta R.T. -0.01 min
 Lab File: VL032455.D
 Acq: 5 Sep 2018 13:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0905ABS01

Tgt Ion:180 Resp: 1864263
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.1 114.1
 184 30.5 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

