

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032440.D
 Acq On : 31 Aug 2018 14:02
 Operator : SY/AP
 Sample : VL0831ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

Quant Time: Sep 01 02:00:24 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	5.81	49	1997195	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	4018422	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	4921559	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	3070083	8.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	2602447	10.187	ppbv	99
3) Chlorodifluoromethane	3.04	51	1656625	9.163	ppbv	100
4) Chloromethane	3.20	50	1022479	9.340	ppbv	99
5) Vinyl Chloride	3.32	62	980251	9.072	ppbv	97
6) Bromomethane	3.55	94	551020	9.715	ppbv	99
7) Chloroethane	3.63	64	363440	9.718	ppbv	97
8) Dichlorotetrafluoroethane	3.25	85	2098078	9.253	ppbv	99
9) Propene	3.06	41	745771	10.226	ppbv	98
10) Heptane	8.30	43	2479672	9.478	ppbv	99
11) Trichlorofluoromethane	4.04	101	2074139	9.004	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1432443	9.177	ppbv	99
13) Ethanol	3.68	45	175428	7.717	ppbv	95
14) Bromoethene	3.82	108	641258	9.696	ppbv	99
15) Acetone	3.94	43	1576264	8.764	ppbv	100
16) 1,3-Butadiene	3.40	39	782995	9.252	ppbv	98
17) tert-Butyl alcohol	4.40	59	221749	8.012	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	684870	9.600	ppbv	96
19) Isopropyl Alcohol	4.06	45	1149857	9.746	ppbv	99
20) Methylene Chloride	4.45	84	609637	8.890	ppbv	97
21) Allyl Chloride	4.52	41	1190074	9.963	ppbv	100
22) trans-1,2-Dichloroethene	5.00	96	665624	8.599	ppbv	99
23) Vinyl Acetate	5.20	43	2784497	9.340	ppbv	99
24) 1,1-Dichloroethane	5.13	63	2047906	8.337	ppbv	99
25) Ethyl Acetate	5.81	43	4006482	9.433	ppbv	100
26) Hexane	5.82	57	1868008	9.822	ppbv	99
27) Carbon Disulfide	4.66	76	1821816	10.378	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	2101339	8.999	ppbv	99
29) Chloroform	5.89	83	2748951	9.480	ppbv	99
30) Cyclohexane	7.30	84	1436437	10.315	ppbv	100
31) cis-1,2-Dichloroethene	5.68	61	1660268	9.641	ppbv	99
32) 1,1,1-Trichloroethane	6.67	97	2508726	9.282	ppbv	99
34) 2-Butanone	5.37	43	2675450	10.024	ppbv	100
35) Carbon Tetrachloride	7.18	117	2567831	9.507	ppbv	99
36) Benzene	7.06	78	3597254	10.519	ppbv	98
37) 1,2-Dichloroethane	6.46	62	2021628	9.647	ppbv	100
38) Trichloroethene	8.01	130	1266603	9.750	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1449214	9.905	ppbv	99
40) 1,4-Dioxane	8.01	88	470030	10.708	ppbv	87
41) Tetrahydrofuran	6.20	42	1555217	10.703	ppbv	99
42) Bromodichloromethane	7.97	83	2831196	9.795	ppbv	97
43) Methyl Methacrylate	8.19	69	1497984	10.325	ppbv	100

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Instrument :
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 VL0831ABS01

Quant Time: Sep 01 02:00:24 2018
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 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)

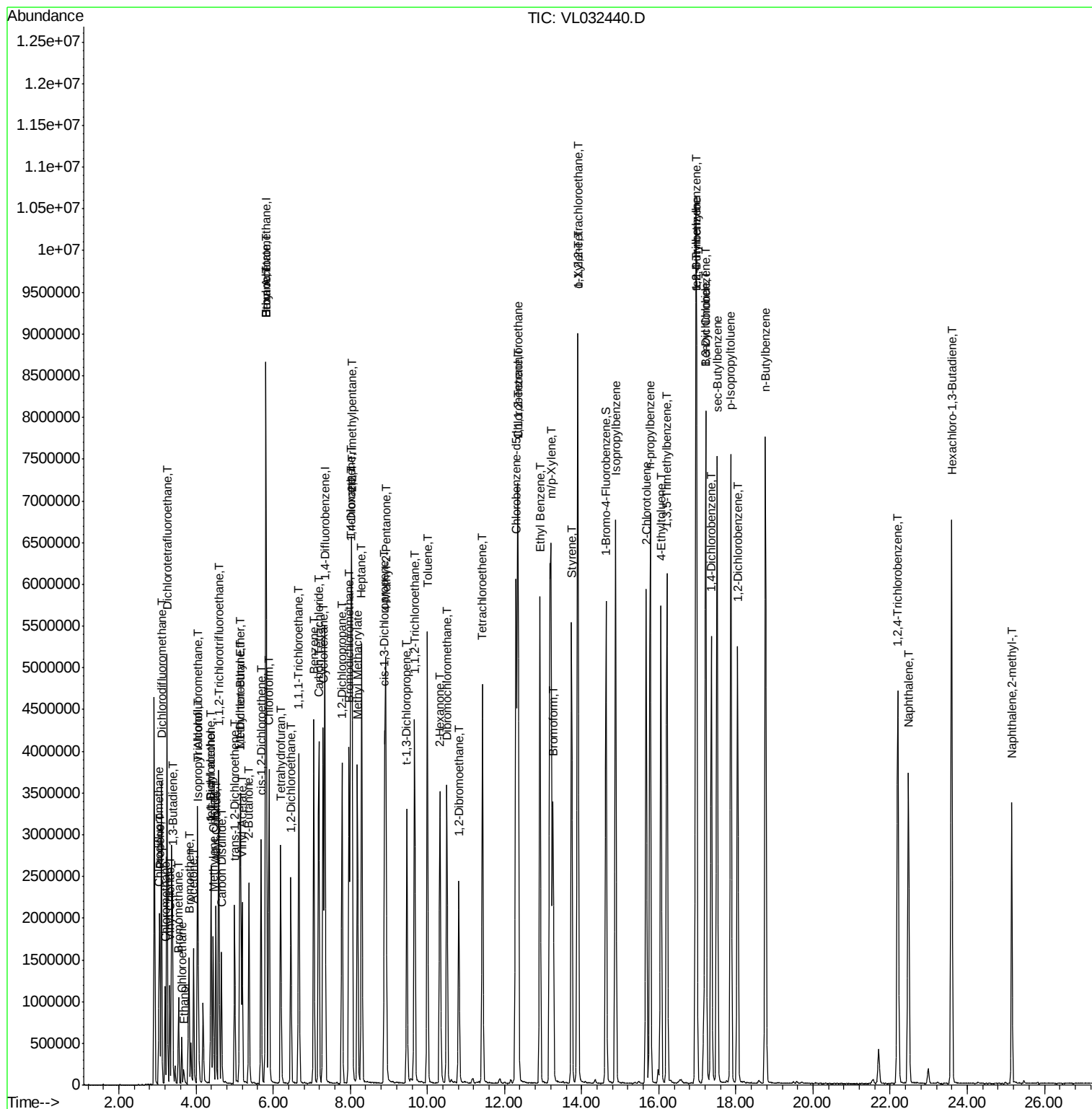
44) 2,2,4-Trimethylpentane	8.04	57	6384820	9.657	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1963436	12.648	ppbv	97
46) cis-1,3-Dichloropropene	8.89	75	2391249	12.054	ppbv	99
47) 1,1,2-Trichloroethane	9.67	97	1580812	10.162	ppbv	97
48) Dibromochloromethane	10.51	129	2272147	10.546	ppbv	99
49) Bromoform	13.26	173	1984937	10.600	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	4199164	10.444	ppbv	100
51) 2-Hexanone	10.32	43	3347643	12.926	ppbv #	100
52) Tetrachloroethene	11.43	164	1160173	10.941	ppbv	99
53) Toluene	10.00	91	4221470	11.810	ppbv	99
54) 1,2-Dibromoethane	10.82	107	2084686	9.981	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.34	131	1657508	7.470	ppbv #	61
57) Chlorobenzene	12.36	112	2968508	7.547	ppbv	99
58) Ethyl Benzene	12.92	91	5385637	9.144	ppbv	98
59) m/p-Xylene	13.21	91	4558634	8.682	ppbv #	34
60) o-Xylene	13.91	91	4363917	8.461	ppbv	99
61) Styrene	13.74	104	3299036	9.880	ppbv	100
62) Isopropylbenzene	14.88	105	6096545	8.408	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	3391535	7.354	ppbv	100
64) n-propylbenzene	15.78	120	1598294	8.432	ppbv	98
65) tert-Butylbenzene	16.96	119	5124355	8.202	ppbv	100
66) Benzyl Chloride	17.21	91	3314528	9.523	ppbv	100
67) sec-Butylbenzene	17.51	105	7674169	8.167	ppbv	100
69) p-Isopropyltoluene	17.87	119	6130390	8.418	ppbv	100
70) n-Butylbenzene	18.77	91	6790066	8.226	ppbv	99
71) 2-Chlorotoluene	15.67	91	4809165	8.682	ppbv	99
72) 4-Ethyltoluene	16.05	105	5109214	9.073	ppbv	100
73) 1,3,5-Trimethylbenzene	16.21	105	4836512	8.573	ppbv	98
74) 1,2,4-Trimethylbenzene	16.98	105	4856303	7.874	ppbv #	92
75) 1,3-Dichlorobenzene	17.22	146	2772466	7.576	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2798656	8.242	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2782353	7.880	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	1666751	12.633	ppbv	100
79) Naphthalene	22.47	128	4714524	9.400	ppbv	99
80) Naphthalene,2-methyl-	25.15	142	1798626	13.477	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	2225493	8.810	ppbv	99

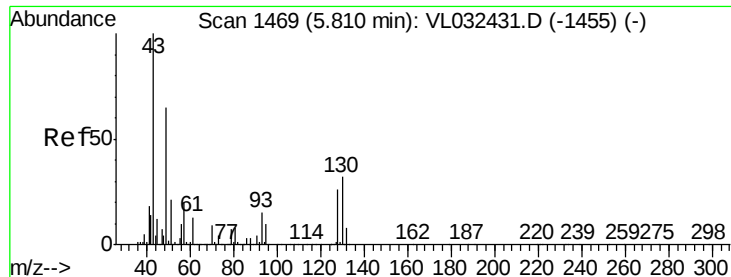
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL083118\
Data File : VL032440.D
Acq On    : 31 Aug 2018   14:02
Operator  : SY/AP
Sample    : VL0831ABS01
Misc      : 400ml/MSV0A_L
ALS Vial  : 1    Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

Quant Time: Sep 01 02:00:24 2018
Quant Method : Z:\VQASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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: 5.81 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

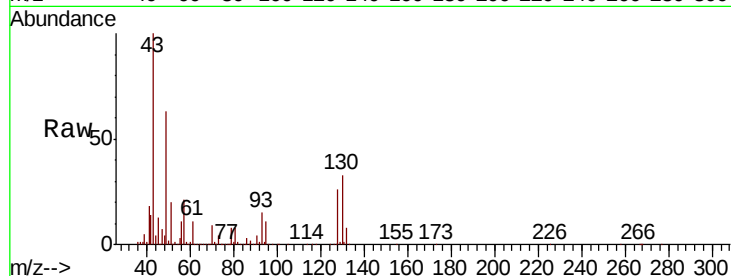
Tgt Ion: 49 Resp: 1997195

Ion Ratio Lower Upper

49 100

128 41.9 20.7 62.1

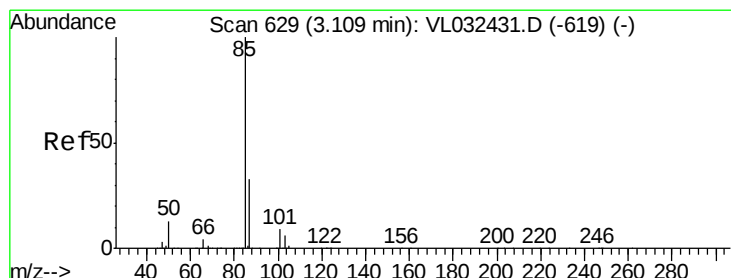
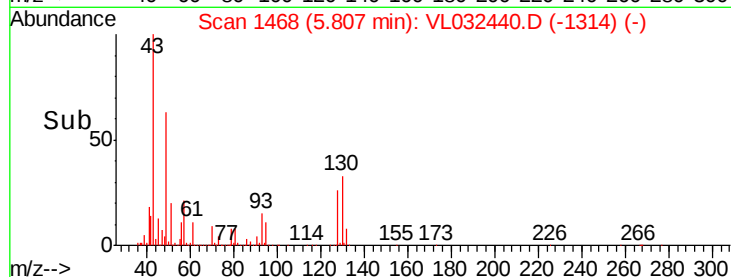
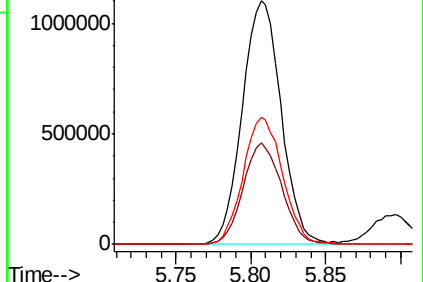
130 53.0 26.6 79.7



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: 10.187 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032440.D

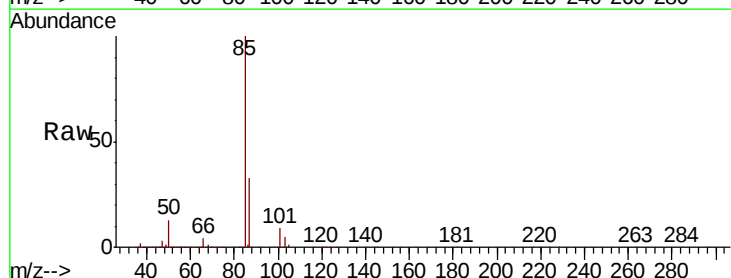
Acq: 31 Aug 2018 14:02

Tgt Ion: 85 Resp: 2602447

Ion Ratio Lower Upper

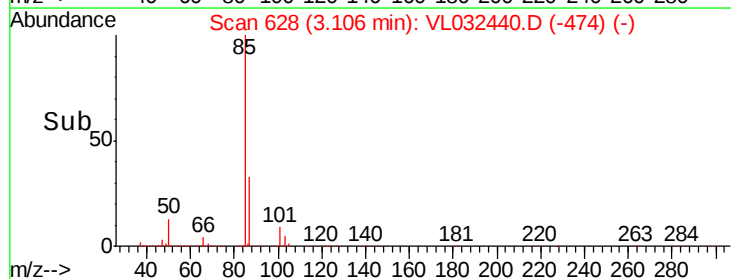
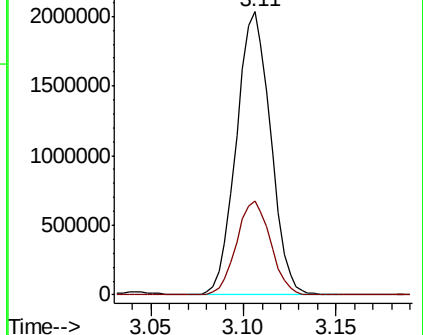
85 100

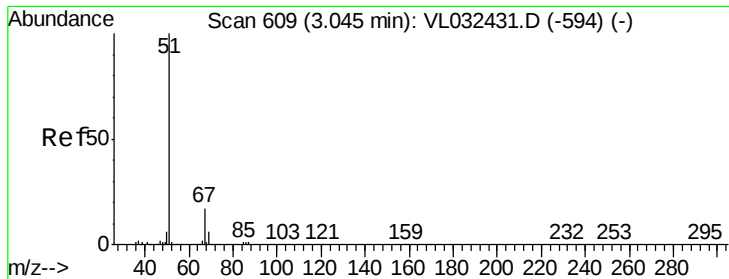
87 33.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.163 ppbv

RT: 3.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

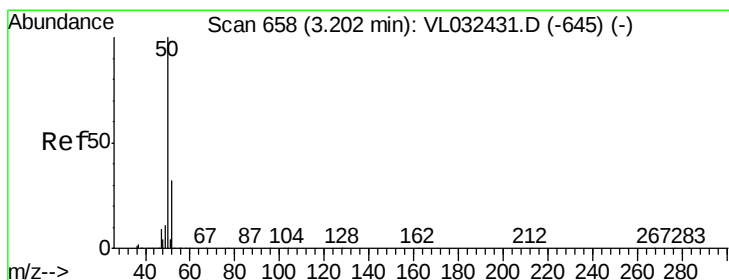
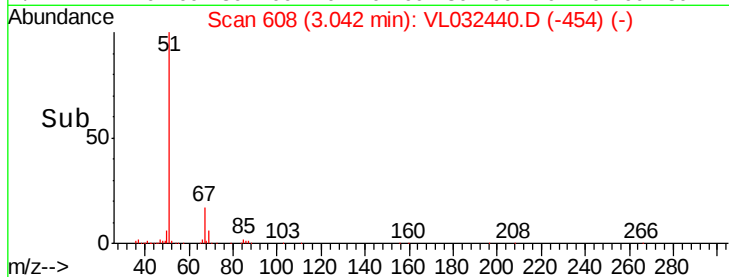
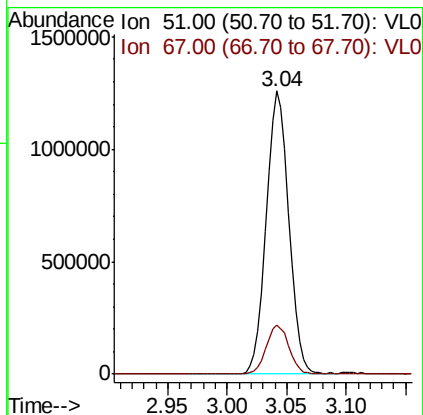
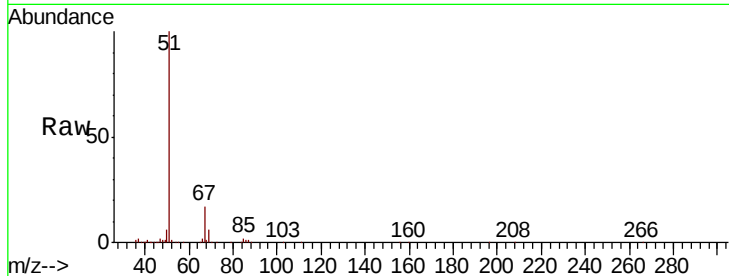
VL0831ABS01

Tgt Ion: 51 Resp: 1656625

Ion Ratio Lower Upper

51 100

67 17.5 13.8 20.8



#4

Chloromethane

Concen: 9.340 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032440.D

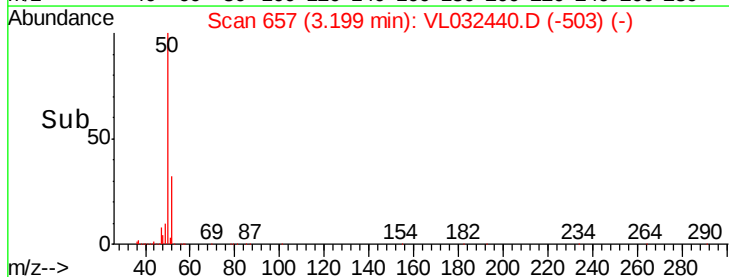
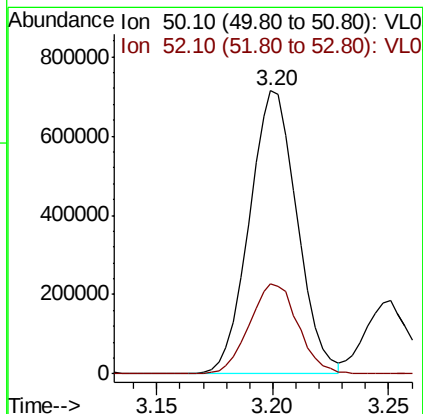
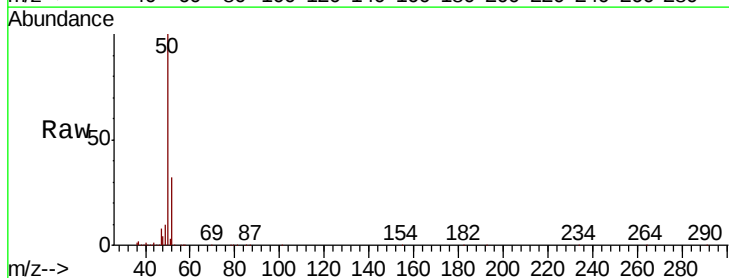
Acq: 31 Aug 2018 14:02

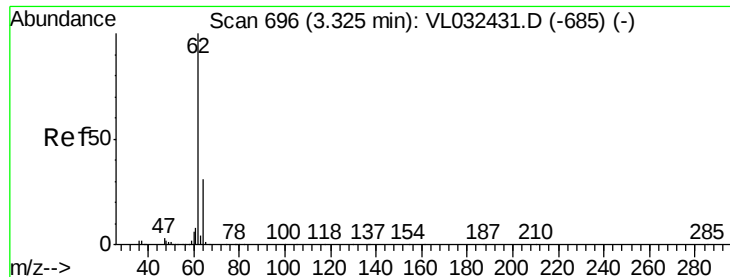
Tgt Ion: 50 Resp: 1022479

Ion Ratio Lower Upper

50 100

52 31.7 25.6 38.4





#5

Vinyl Chloride

Concen: 9.072 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

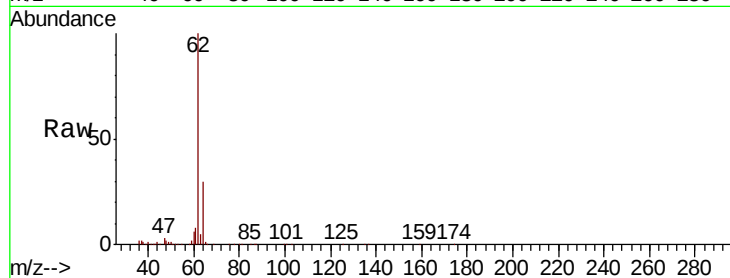
VL0831ABS01

Tgt Ion: 62 Resp: 980251

Ion Ratio Lower Upper

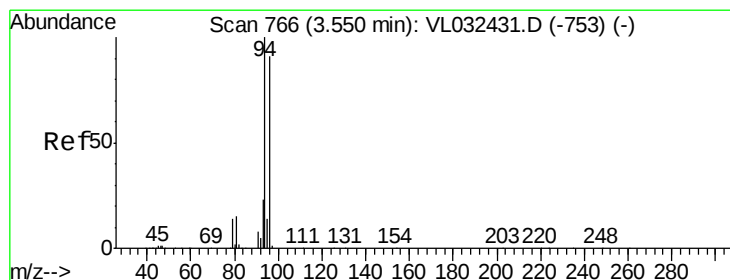
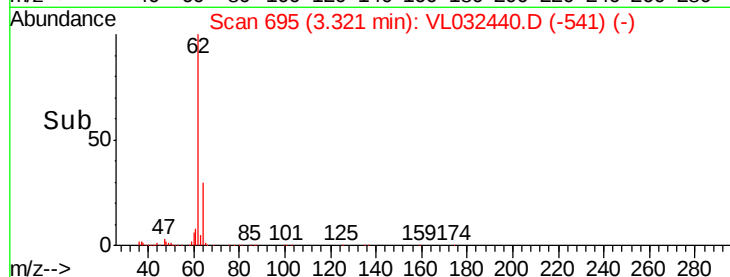
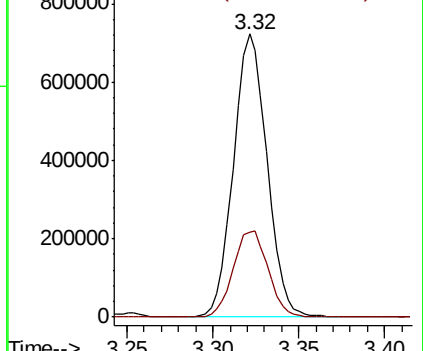
62 100

64 29.8 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.715 ppbv

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL032440.D

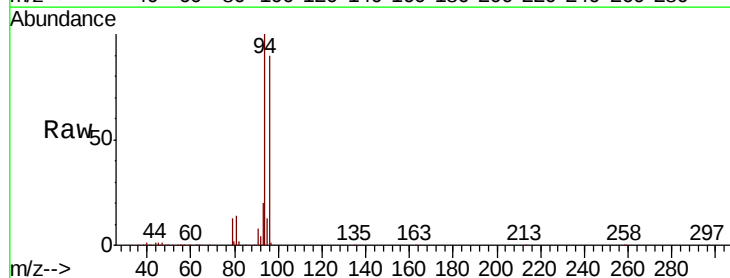
Acq: 31 Aug 2018 14:02

Tgt Ion: 94 Resp: 551020

Ion Ratio Lower Upper

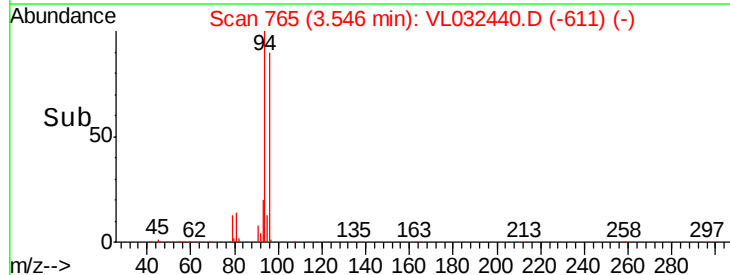
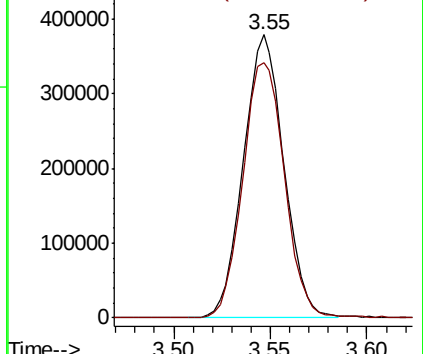
94 100

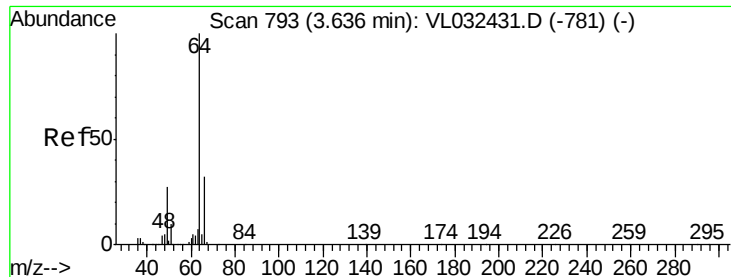
96 90.4 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.718 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

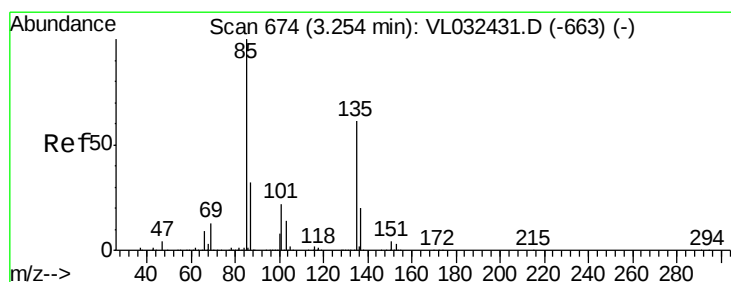
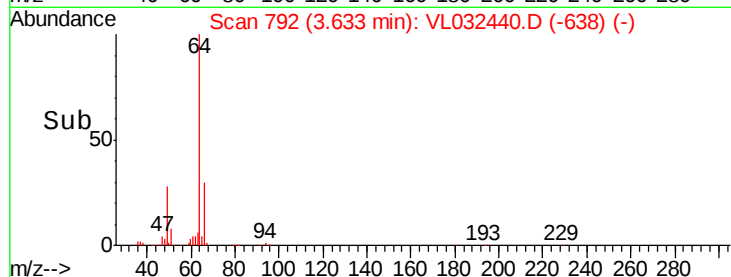
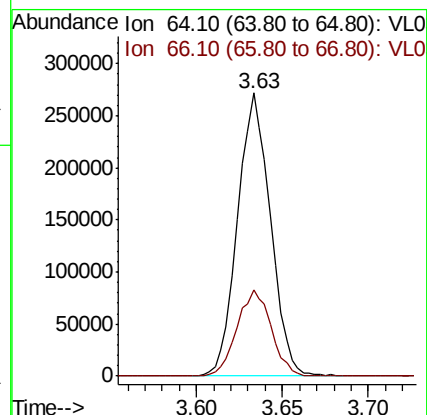
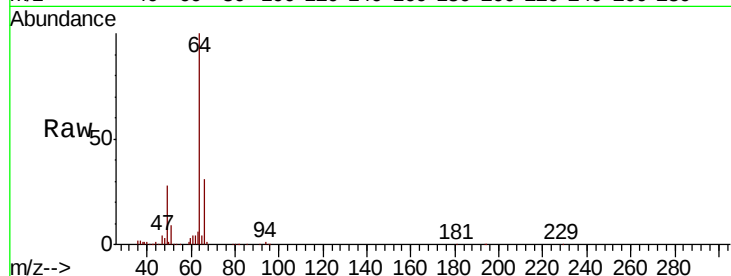
VL0831ABS01

Tgt Ion: 64 Resp: 363440

Ion Ratio Lower Upper

64 100

66 30.6 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.253 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032440.D

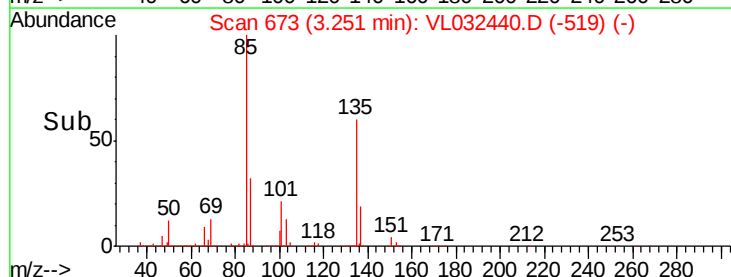
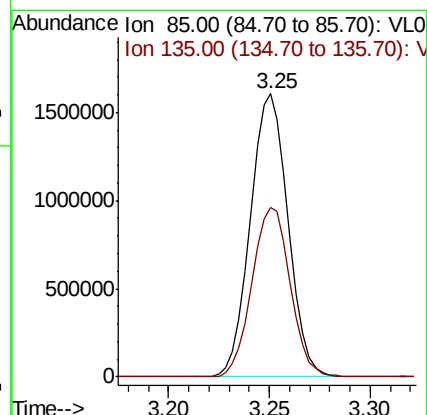
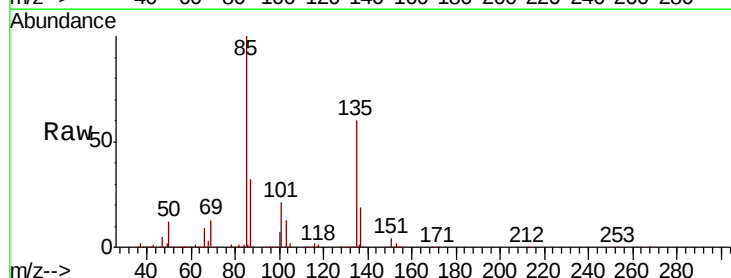
Acq: 31 Aug 2018 14:02

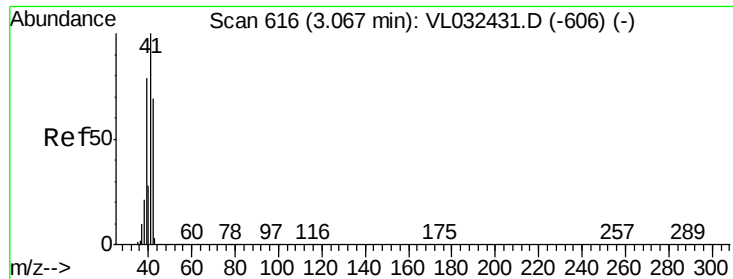
Tgt Ion: 85 Resp: 2098078

Ion Ratio Lower Upper

85 100

135 61.3 48.6 72.8





#9

Propene

Concen: 10.226 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

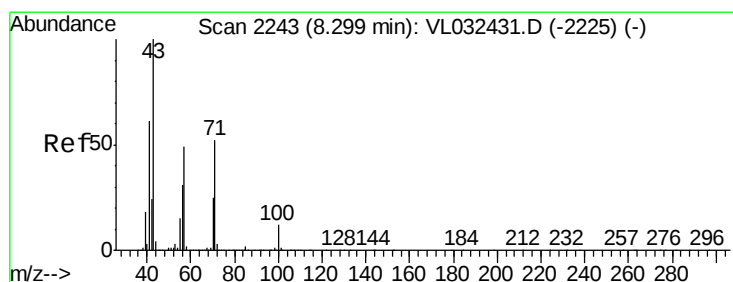
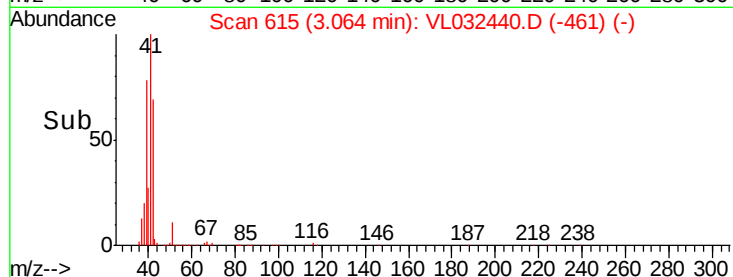
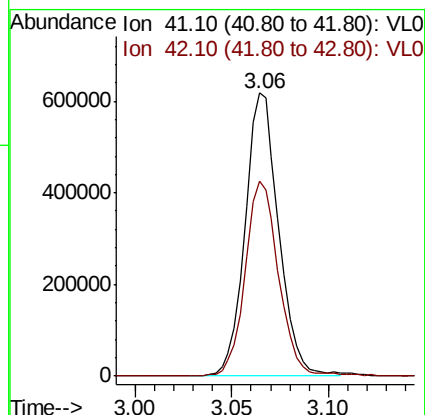
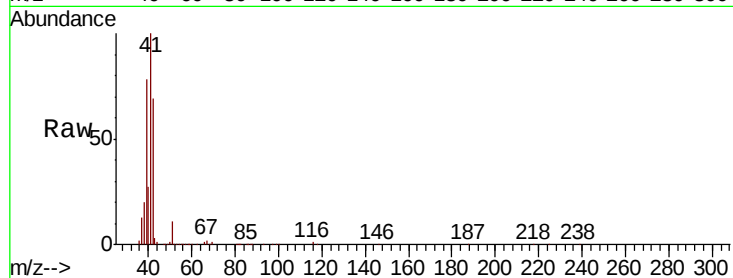
VL0831ABS01

Tgt Ion: 41 Resp: 745771

Ion Ratio Lower Upper

41 100

42 69.4 56.6 84.8



#10

Heptane

Concen: 9.478 ppbv

RT: 8.30 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VL032440.D

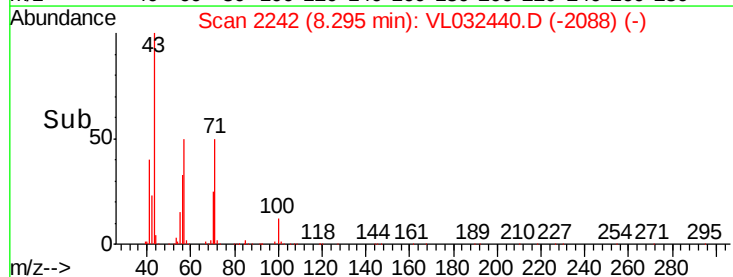
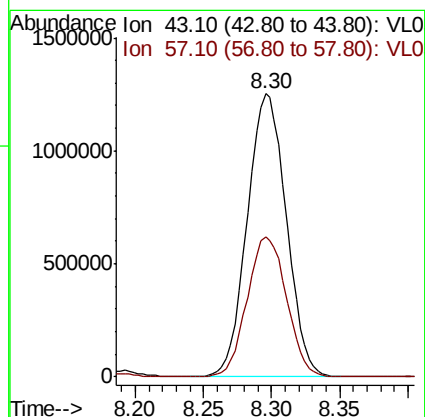
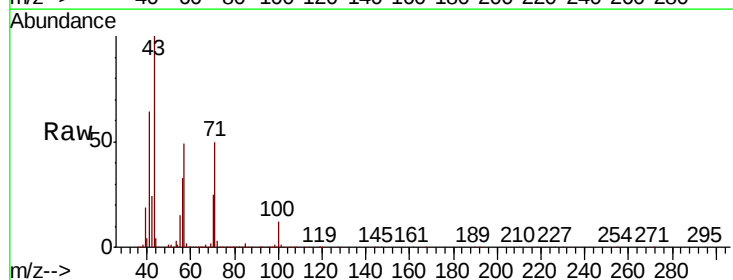
Acq: 31 Aug 2018 14:02

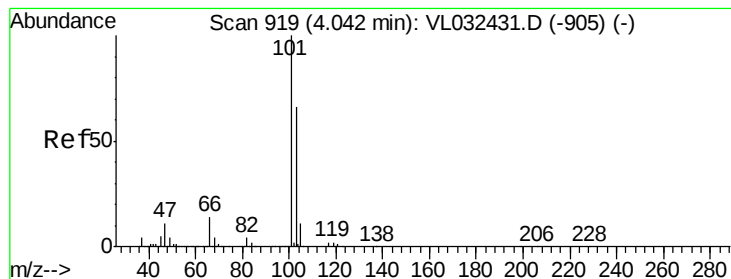
Tgt Ion: 43 Resp: 2479672

Ion Ratio Lower Upper

43 100

57 50.1 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.004 ppbv

RT: 4.04 min Scan# 919

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

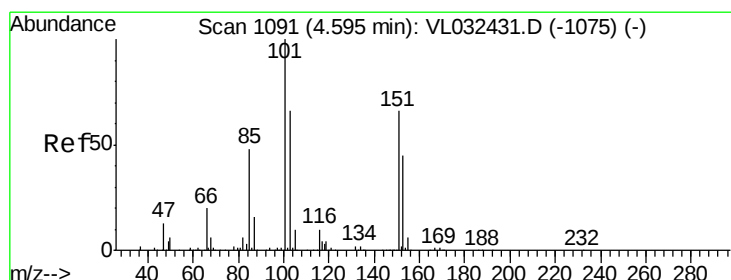
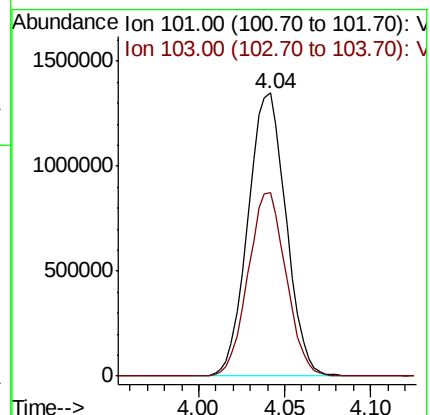
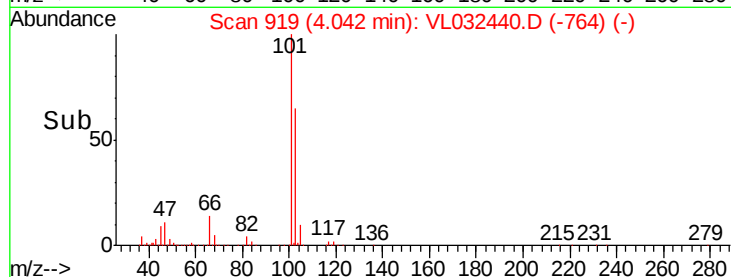
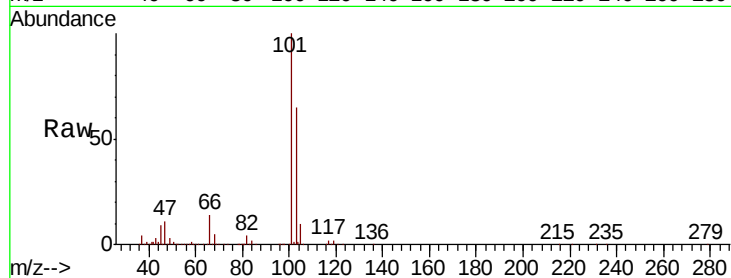
VL0831ABS01

Tgt Ion:101 Resp: 2074139

Ion Ratio Lower Upper

101 100

103 65.0 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.177 ppbv

RT: 4.59 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VL032440.D

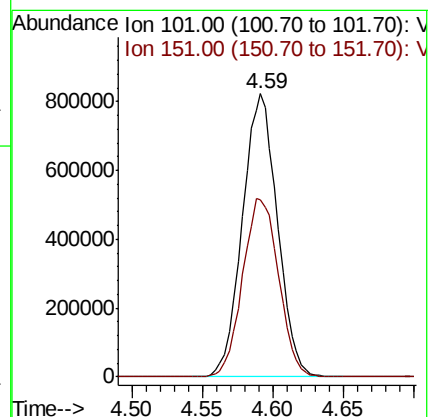
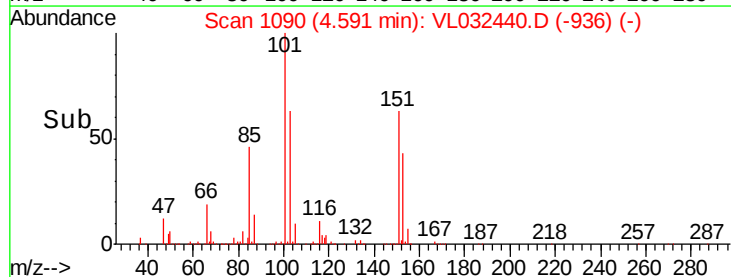
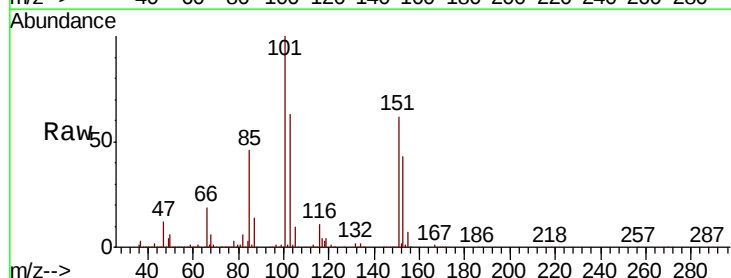
Acq: 31 Aug 2018 14:02

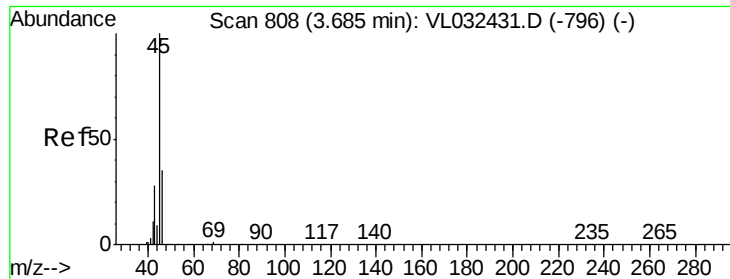
Tgt Ion:101 Resp: 1432443

Ion Ratio Lower Upper

101 100

151 65.1 52.6 78.8





#13

Ethanol

Concen: 7.717 ppbv

RT: 3.68 min Scan# 808

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

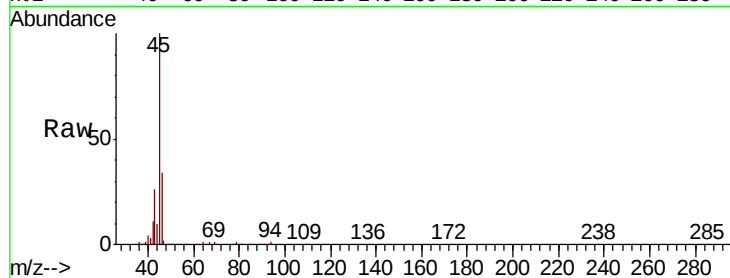
VL0831ABS01

Tgt Ion: 45 Resp: 175428

Ion Ratio Lower Upper

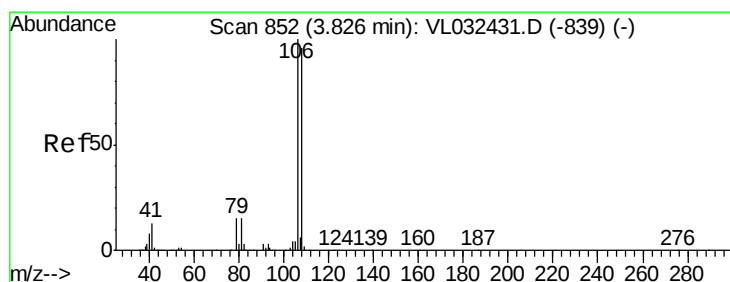
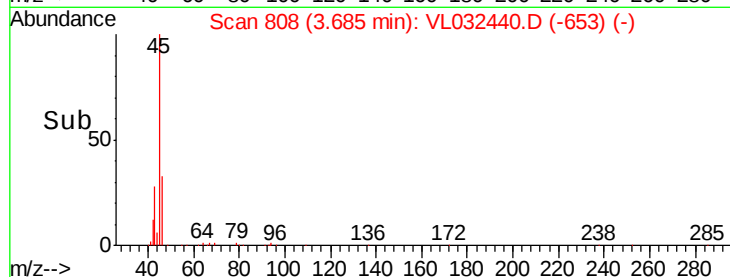
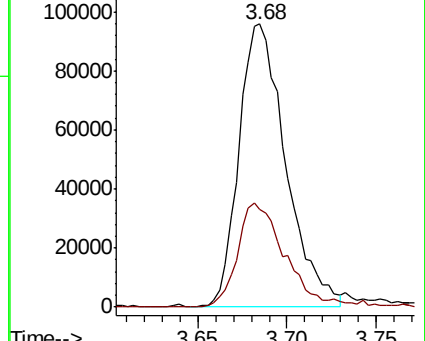
45 100

46 38.3 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.696 ppbv

RT: 3.82 min Scan# 850

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

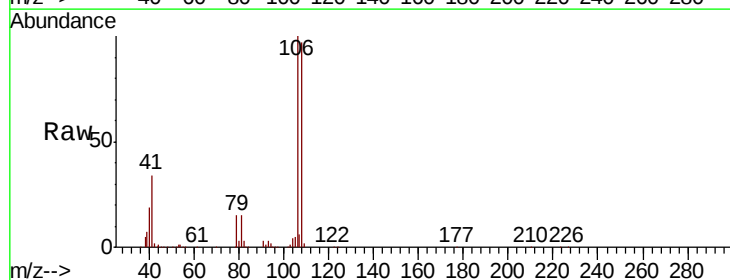
Tgt Ion: 108 Resp: 641258

Ion Ratio Lower Upper

108 100

106 106.2 85.5 128.3

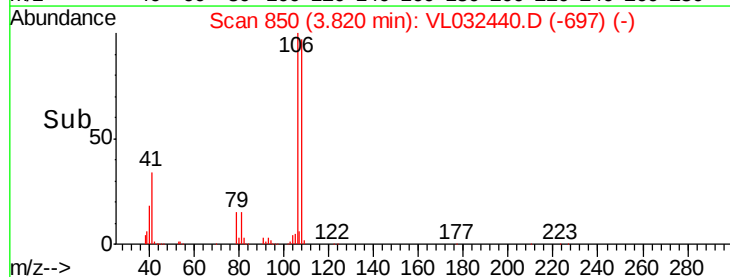
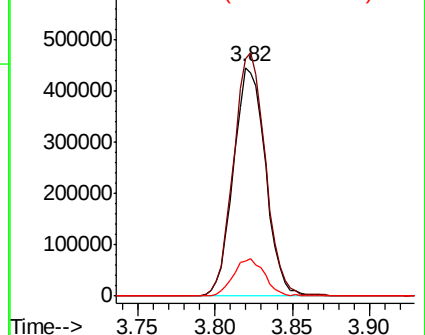
79 16.4 13.0 19.6

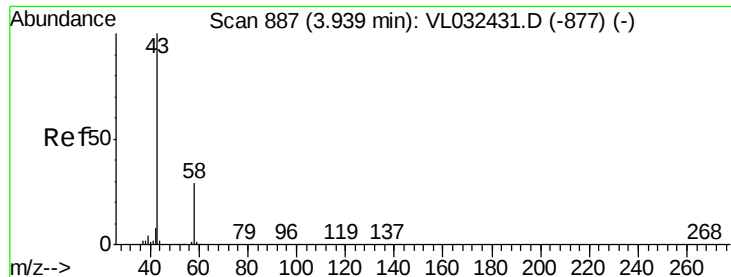


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.764 ppbv

RT: 3.94 min Scan# 887

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

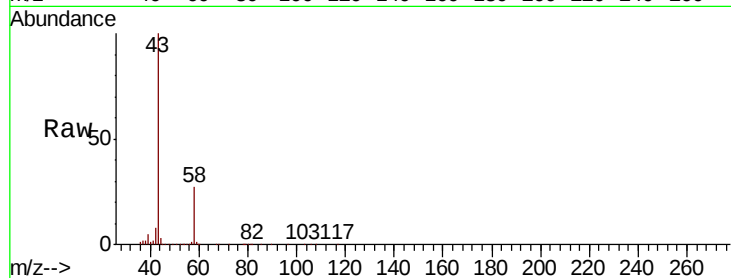
VL0831ABS01

Tgt Ion: 43 Resp: 1576264

Ion Ratio Lower Upper

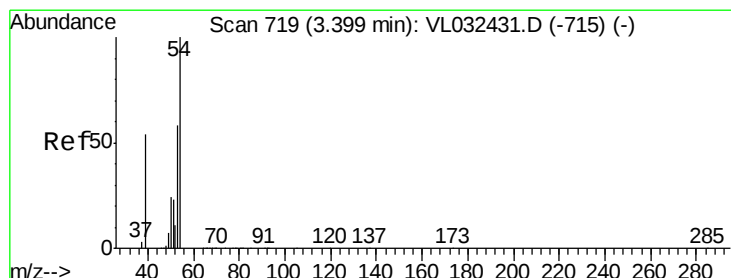
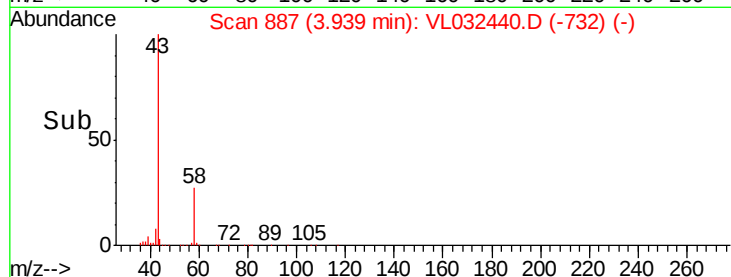
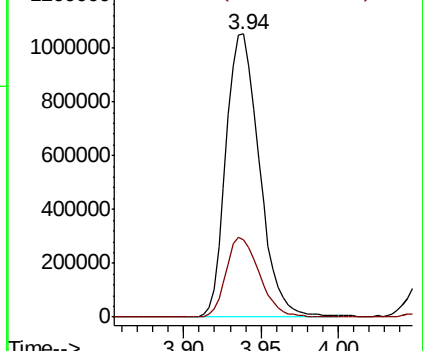
43 100

58 28.2 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.252 ppbv

RT: 3.40 min Scan# 718

Delta R.T. -0.00 min

Lab File: VL032440.D

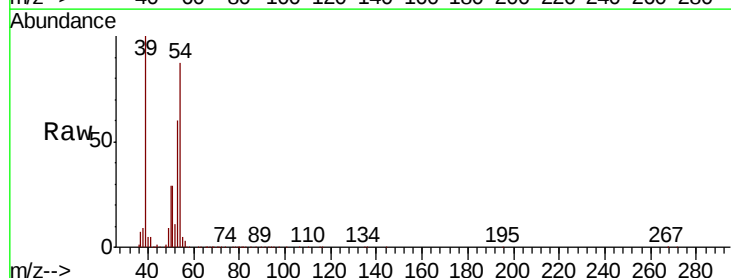
Acq: 31 Aug 2018 14:02

Tgt Ion: 39 Resp: 782995

Ion Ratio Lower Upper

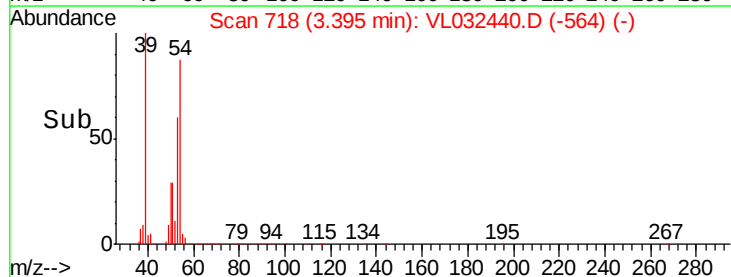
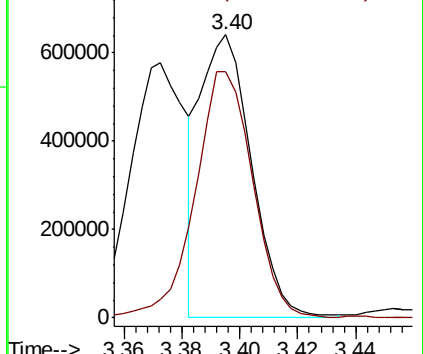
39 100

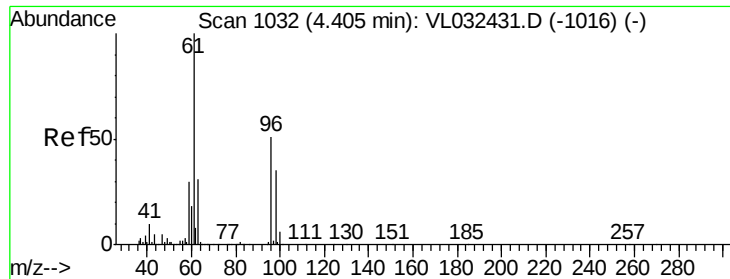
54 99.3 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

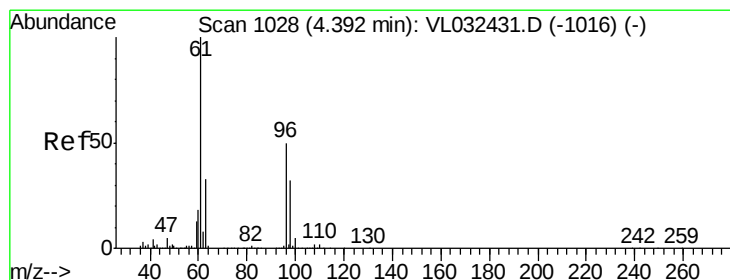
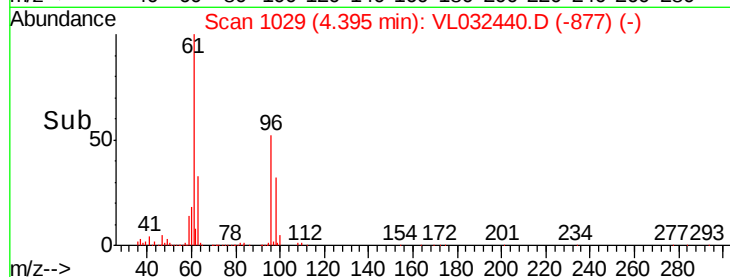
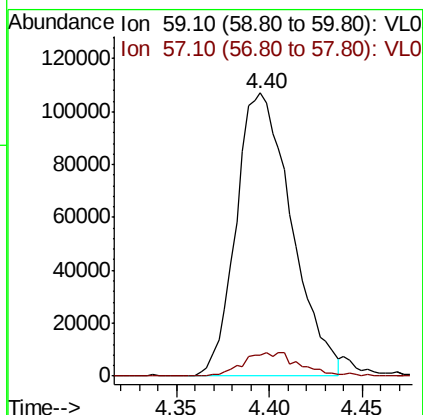
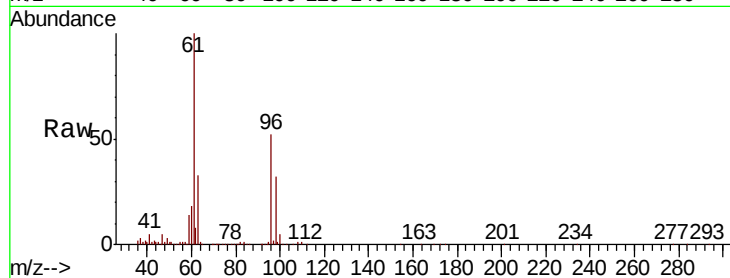




#17
 tert-Butyl alcohol
 Concen: 8.012 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

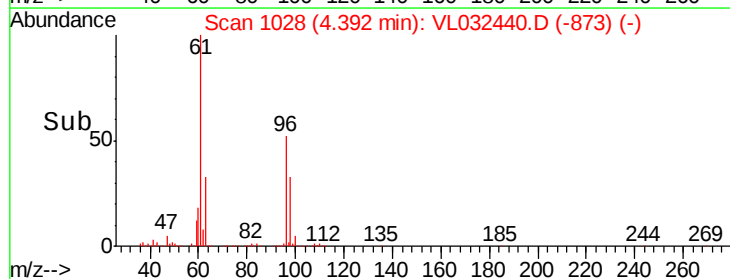
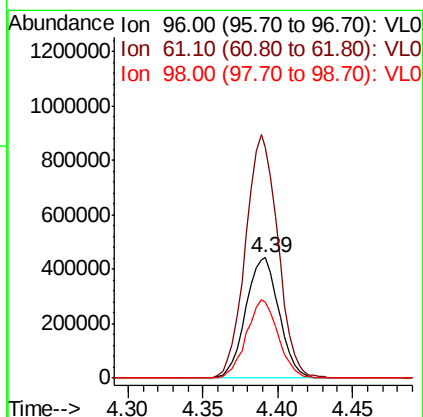
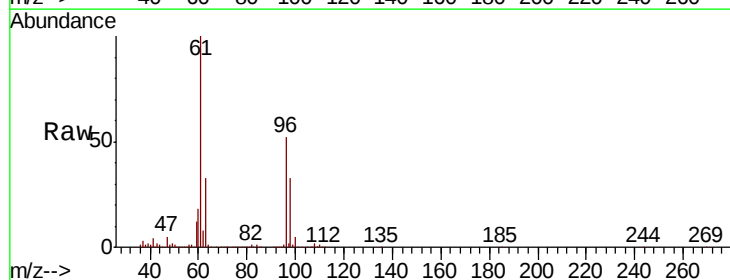
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

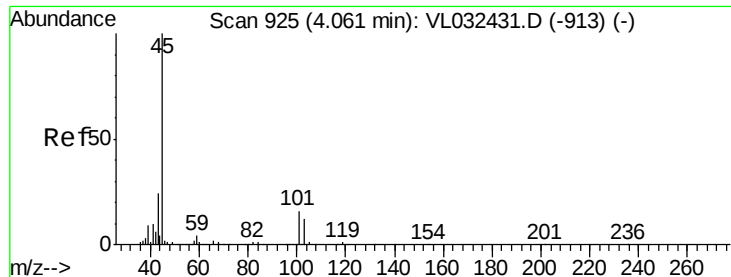
Tgt Ion: 59 Resp: 221749
 Ion Ratio Lower Upper
 59 100
 57 8.7 0.0 0.0#



#18
 1,1-Dichloroethene
 Concen: 9.600 ppbv
 RT: 4.39 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 96 Resp: 684870
 Ion Ratio Lower Upper
 96 100
 61 192.3 159.2 238.8
 98 63.3 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.746 ppbv

RT: 4.06 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

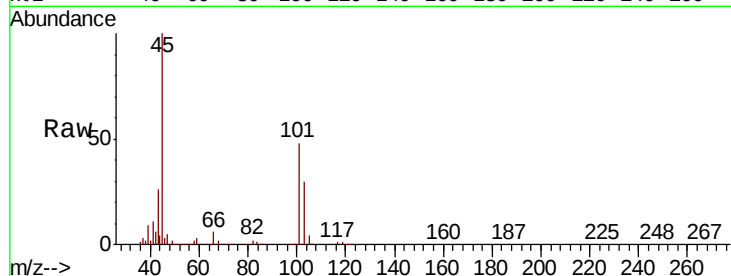
VL0831ABS01

Tgt Ion: 45 Resp: 1149857

Ion Ratio Lower Upper

45 100

58 2.7 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

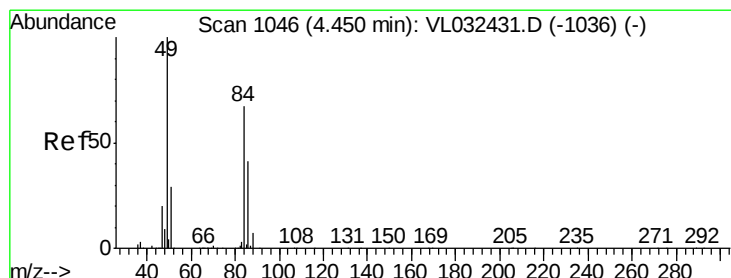
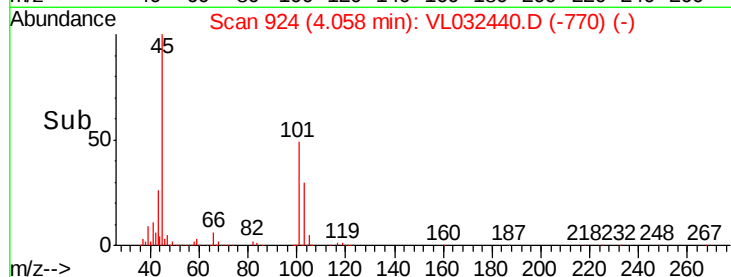
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 8.890 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Tgt Ion: 84 Resp: 609637

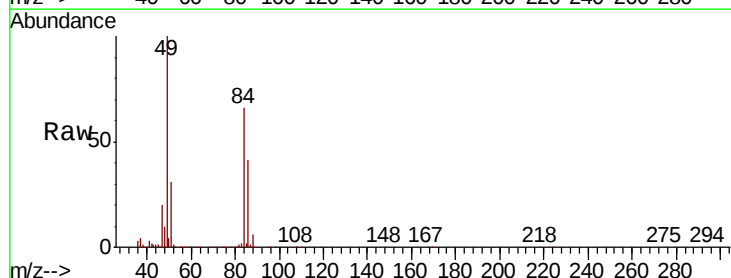
Ion Ratio Lower Upper

84 100

49 151.8 119.1 178.7

51 47.7 35.2 52.8

86 62.6 49.4 74.2



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

800000

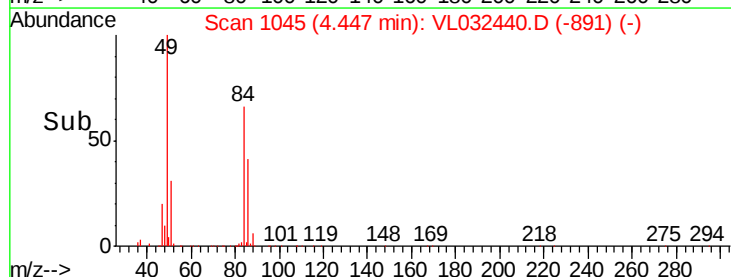
600000

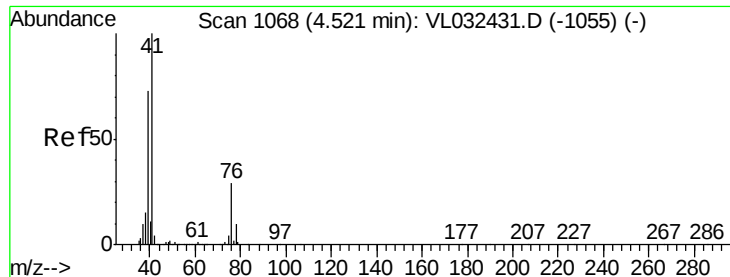
400000

200000

0

Time-->

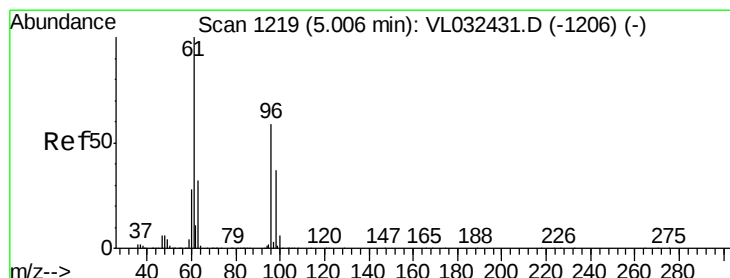
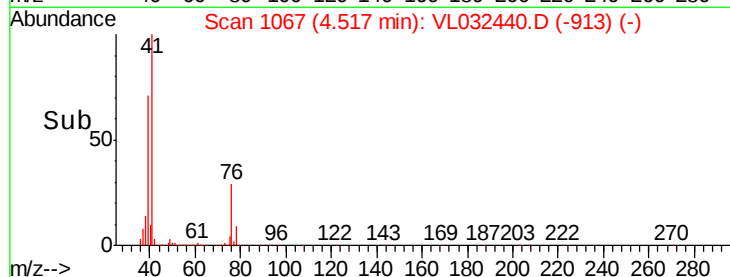
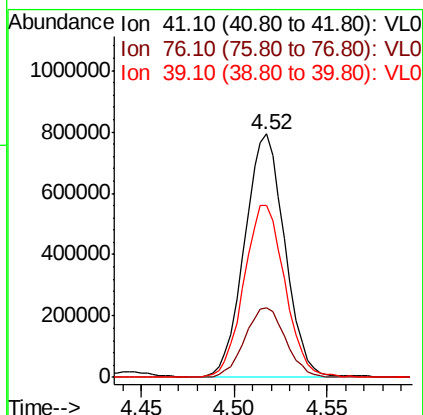
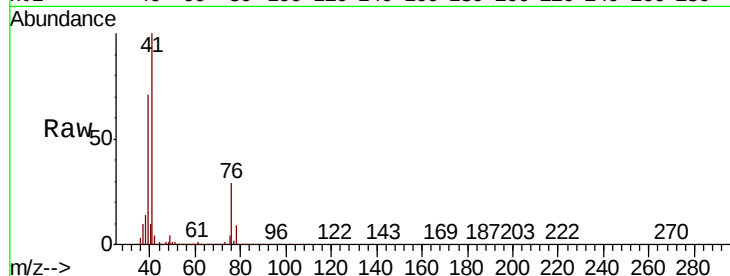




#21
 Allyl Chloride
 Concen: 9.963 ppbv
 RT: 4.52 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

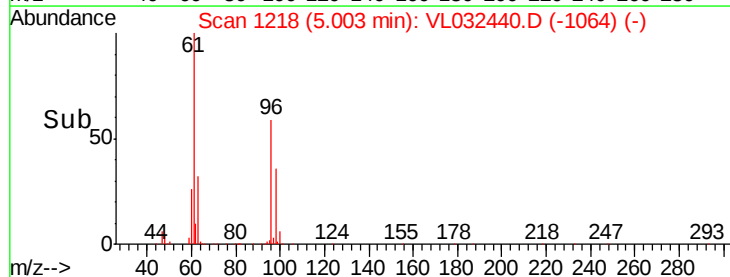
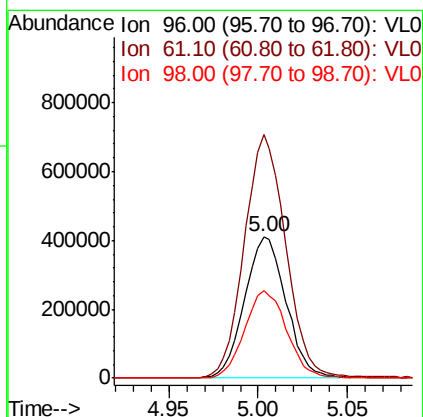
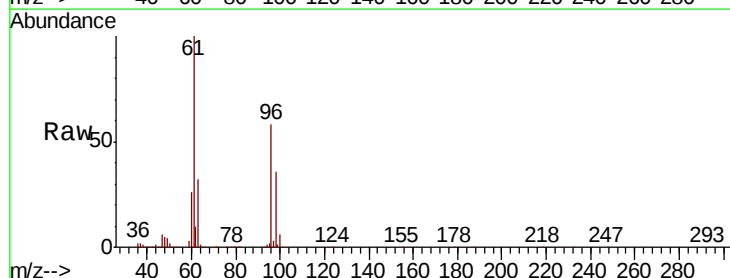
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

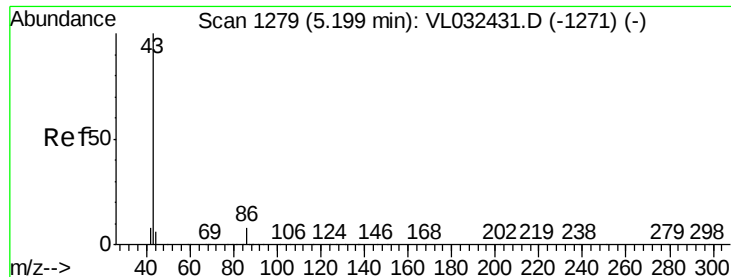
Tgt Ion: 41 Resp: 1190074
 Ion Ratio Lower Upper
 41 100
 76 29.4 23.6 35.4
 39 72.6 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 8.599 ppbv
 RT: 5.00 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 96 Resp: 665624
 Ion Ratio Lower Upper
 96 100
 61 172.2 136.2 204.4
 98 61.9 50.4 75.6



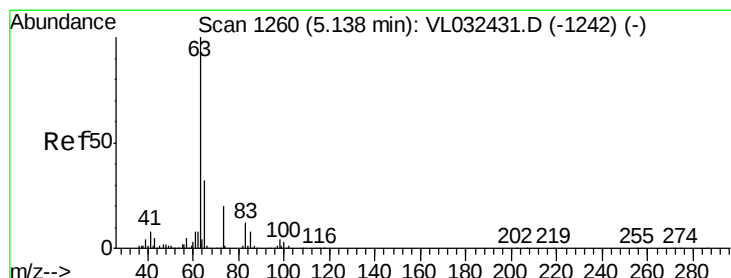
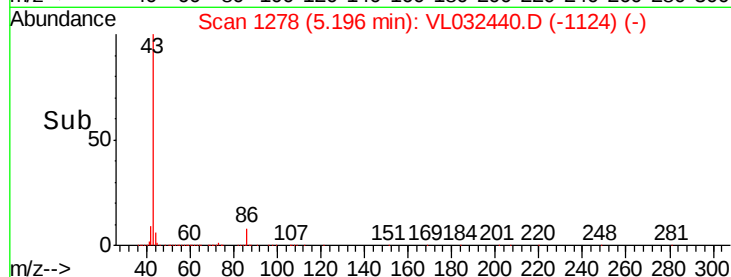
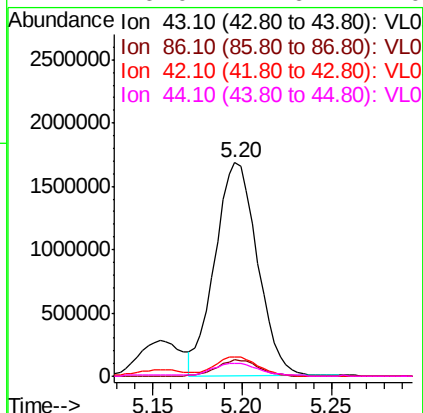
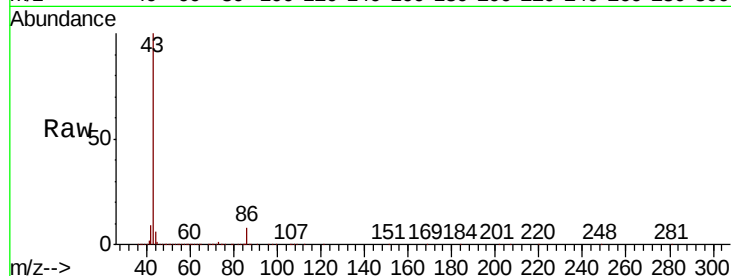


#23
 Vinyl Acetate
 Concen: 9.340 ppbv
 RT: 5.20 min Scan# 1278
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

Tgt Ion: 43 Resp: 2784497

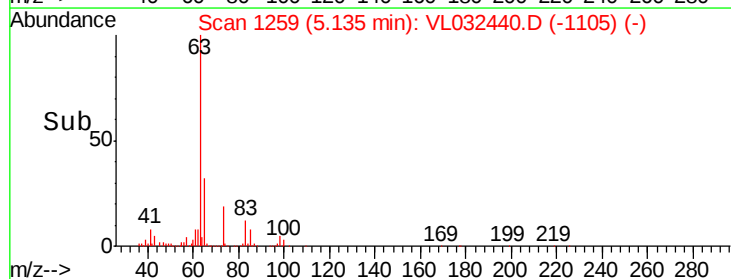
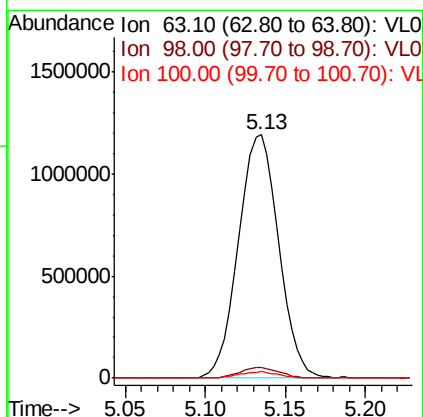
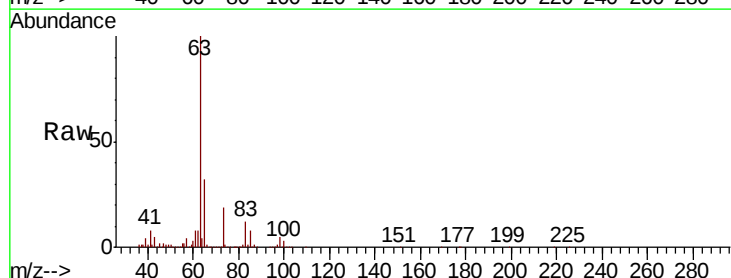
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	8.8	6.9	10.3
44	6.0	4.6	7.0

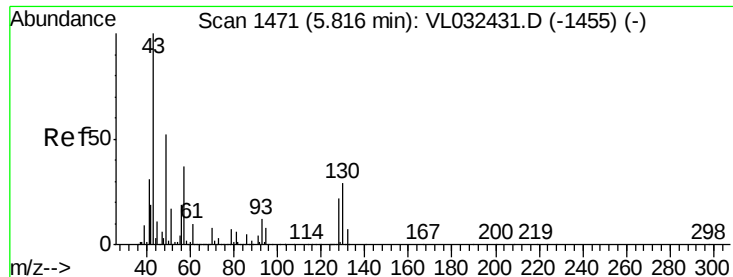


#24
 1,1-Dichloroethane
 Concen: 8.337 ppbv
 RT: 5.13 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 63 Resp: 2047906

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	2.6	1.5	4.4



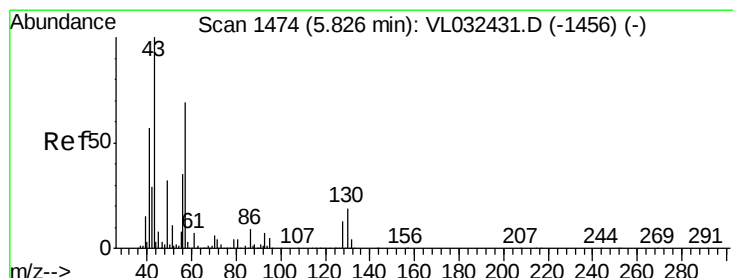
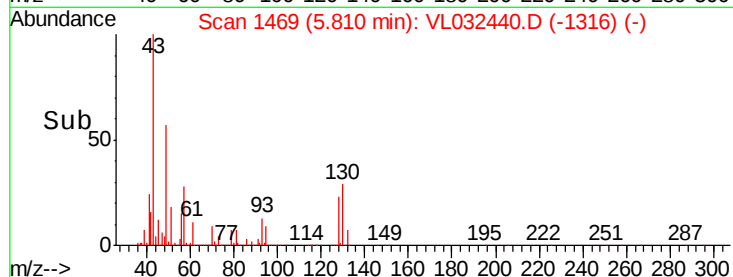
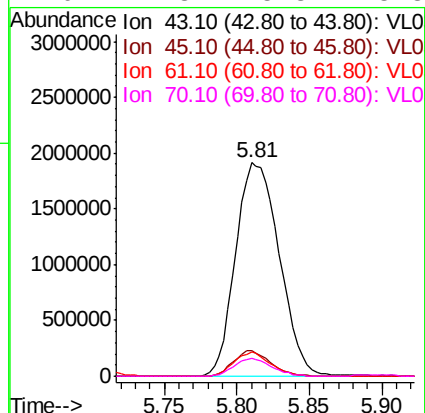
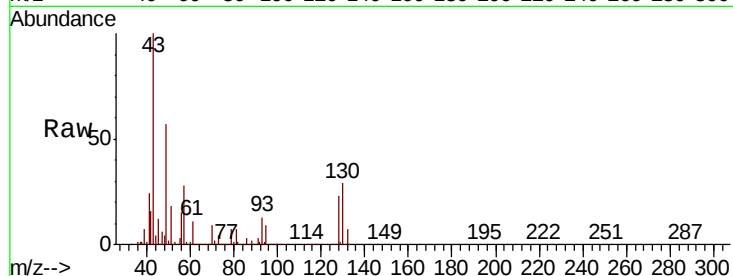


#25
Ethyl Acetate
Concen: 9.433 ppbv
RT: 5.81 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

Tgt Ion: 43 Resp: 4006482

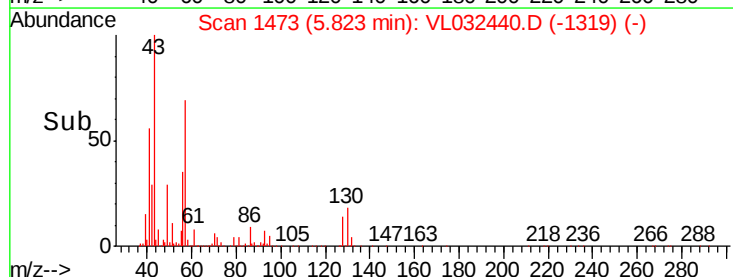
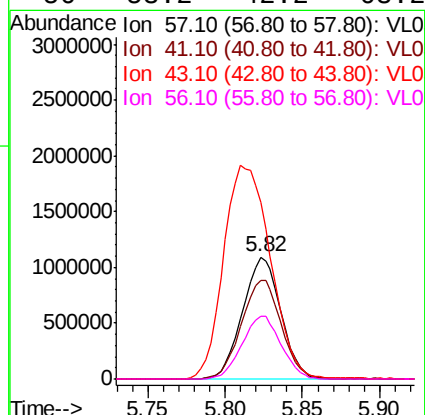
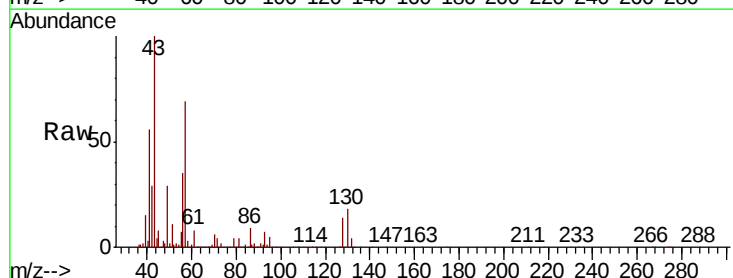
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.5	7.6	11.4
70	7.3	5.8	8.8

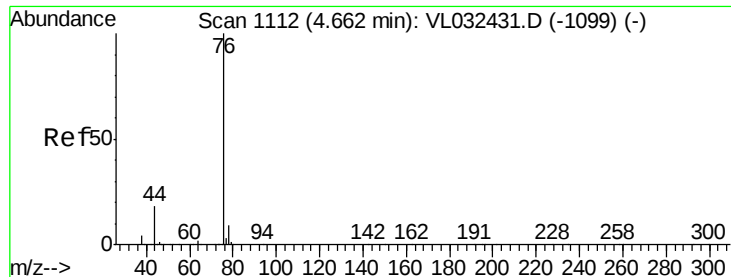


#26
Hexane
Concen: 9.822 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Tgt Ion: 57 Resp: 1868008

Ion	Ratio	Lower	Upper
57	100		
41	85.1	69.0	103.4
43	216.0	172.1	258.1
56	53.2	42.2	63.2





#27

Carbon Disulfide

Concen: 10.378 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

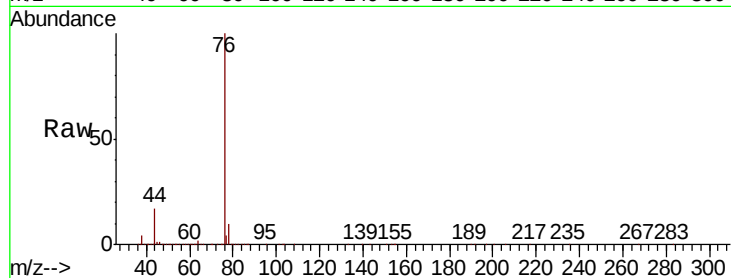
Tgt Ion: 76 Resp: 1821816

Ion Ratio Lower Upper

76 100

44 17.0 14.0 21.0

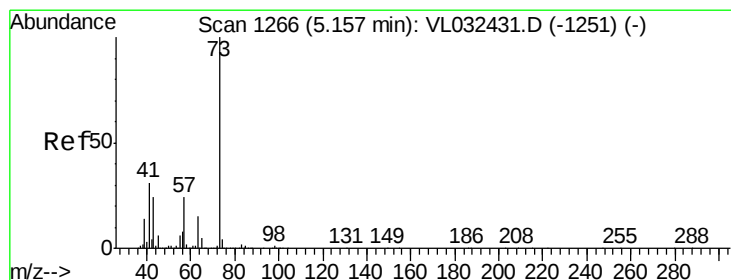
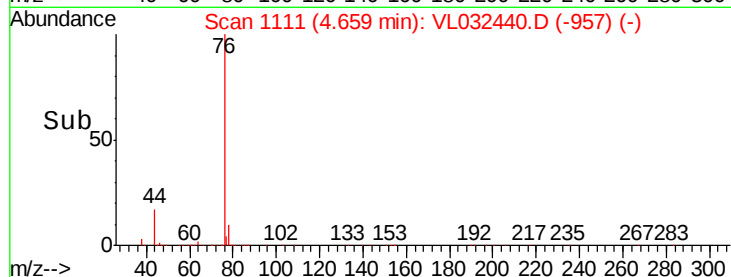
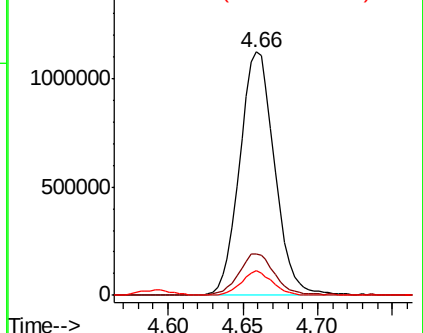
78 9.3 7.5 11.3



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: 8.999 ppbv

RT: 5.15 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VL032440.D

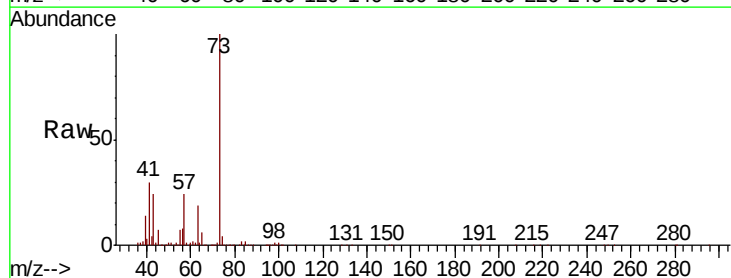
Acq: 31 Aug 2018 14:02

Tgt Ion: 73 Resp: 2101339

Ion Ratio Lower Upper

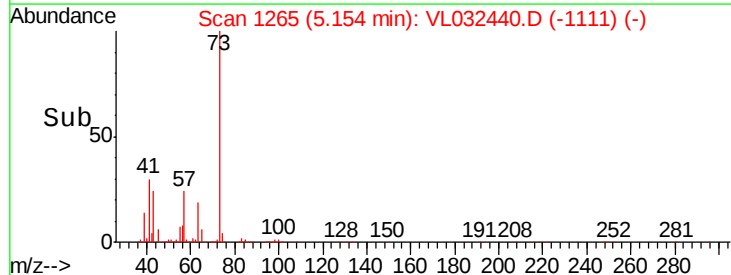
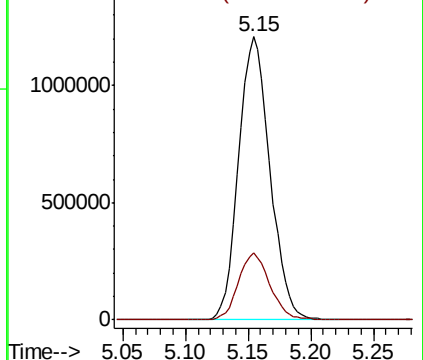
73 100

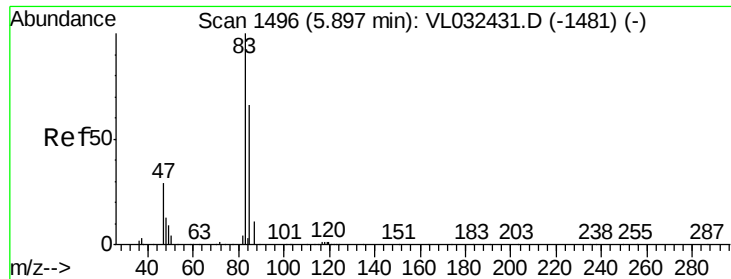
57 23.8 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.480 ppbv

RT: 5.89 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

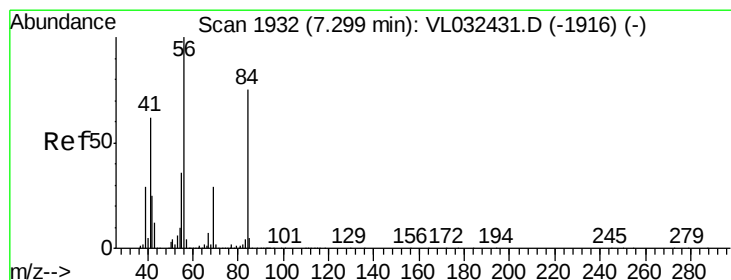
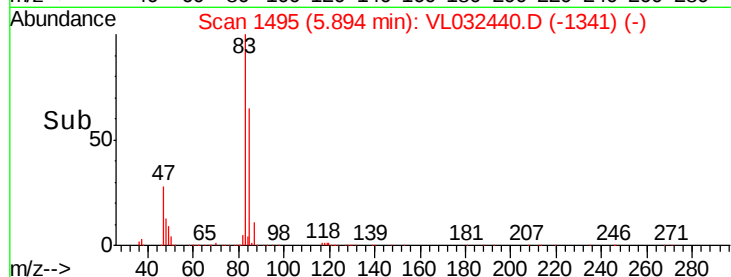
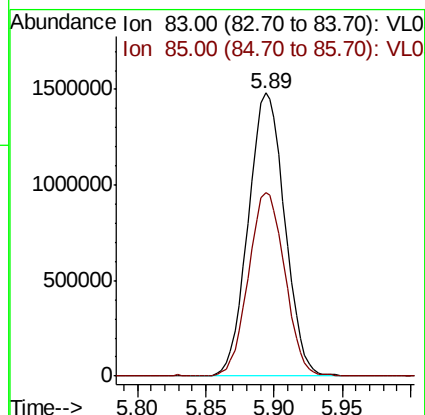
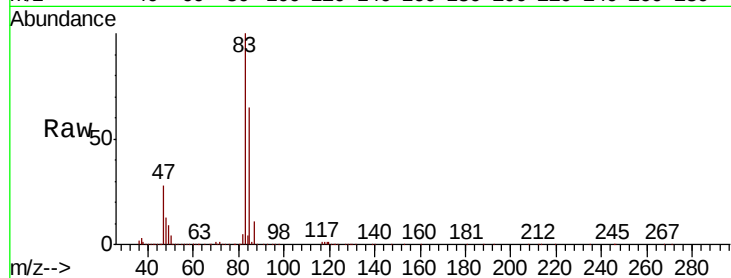
VL0831ABS01

Tgt Ion: 83 Resp: 2748951

Ion Ratio Lower Upper

83 100

85 64.9 52.5 78.7



#30

Cyclohexane

Concen: 10.315 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

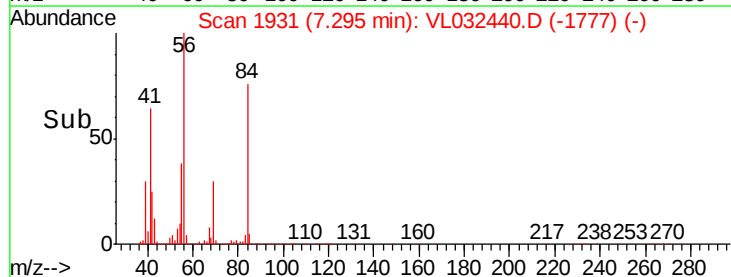
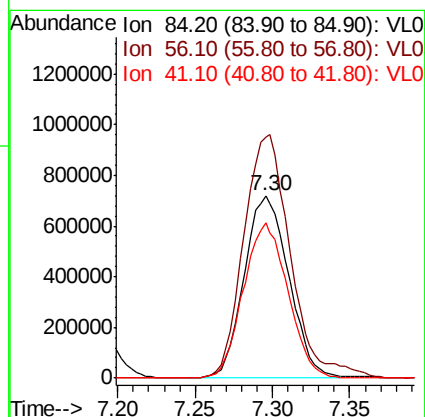
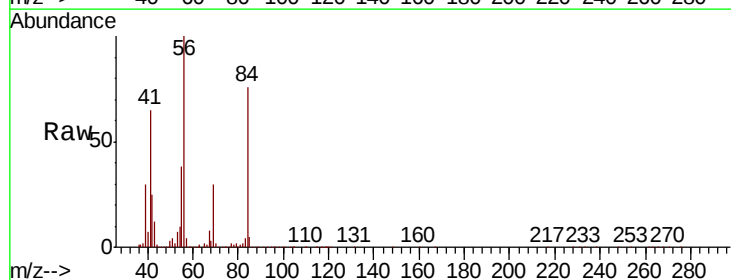
Tgt Ion: 84 Resp: 1436437

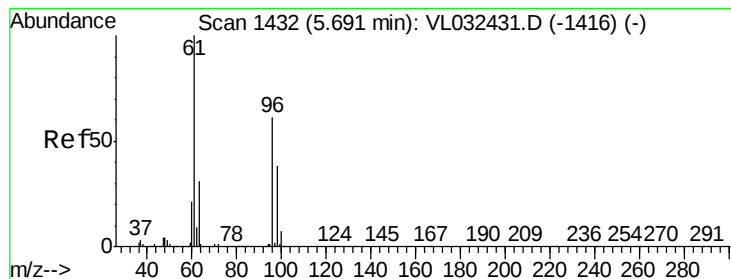
Ion Ratio Lower Upper

84 100

56 141.1 113.5 170.3

41 85.3 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 9.641 ppbv

RT: 5.68 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

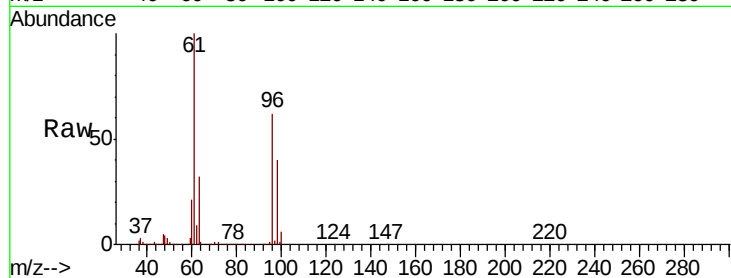
Tgt Ion: 61 Resp: 1660268

Ion Ratio Lower Upper

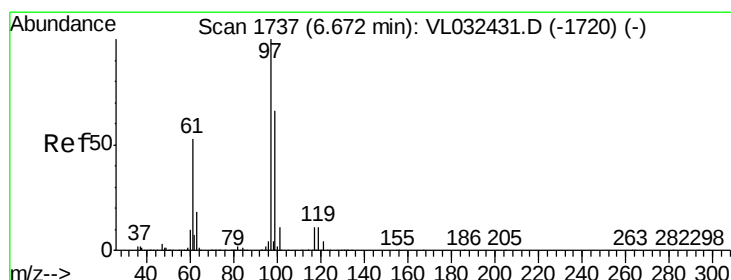
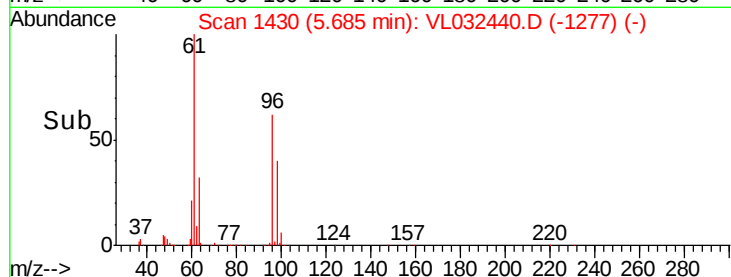
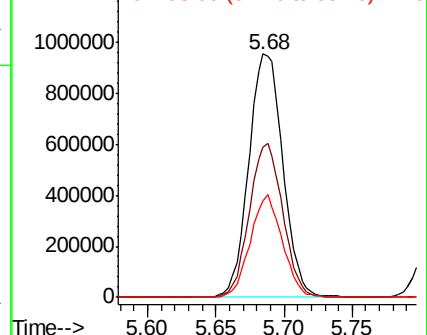
61 100

96 61.6 49.2 73.8

98 39.6 30.7 46.1



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



#32

1,1,1-Trichloroethane

Concen: 9.282 ppbv

RT: 6.67 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

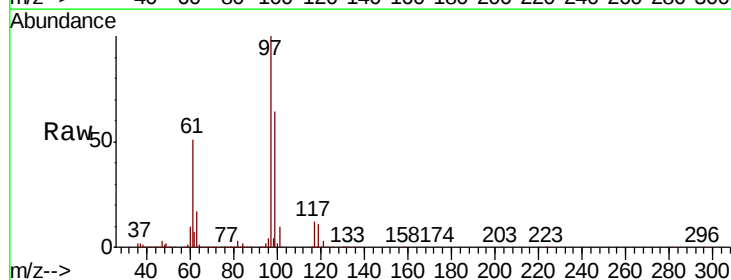
Tgt Ion: 97 Resp: 2508726

Ion Ratio Lower Upper

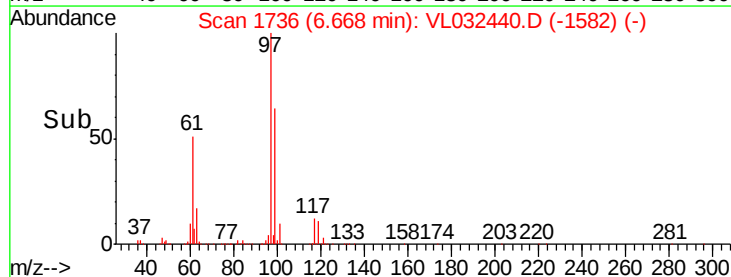
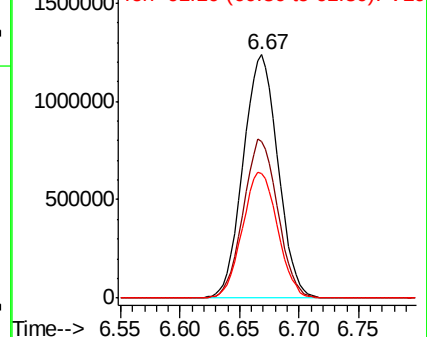
97 100

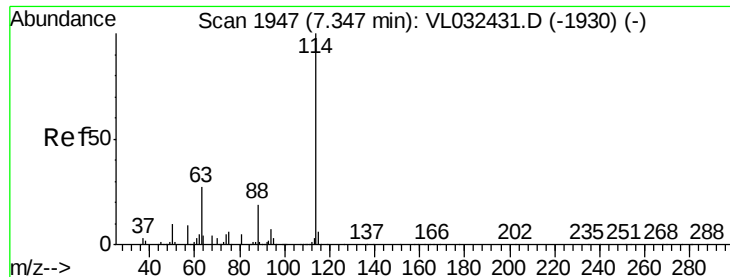
99 64.5 52.1 78.1

61 52.3 42.5 63.7



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

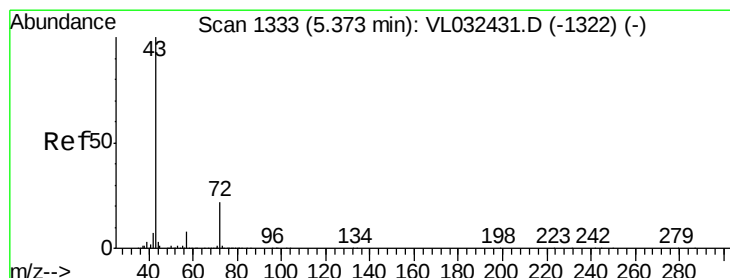
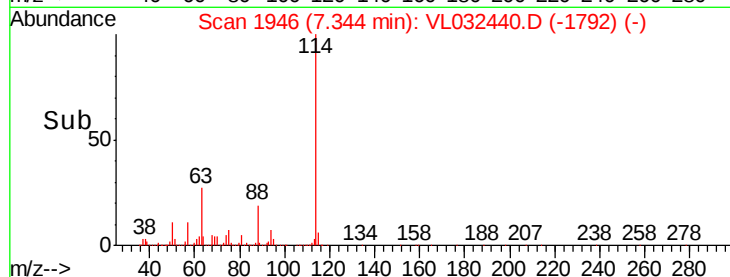
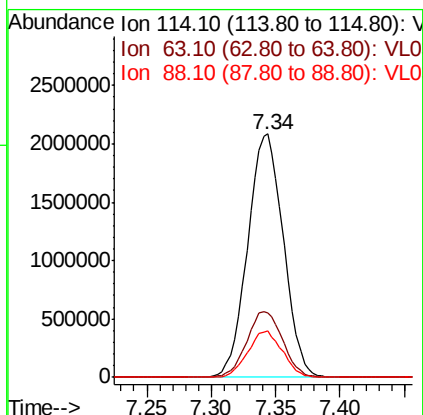
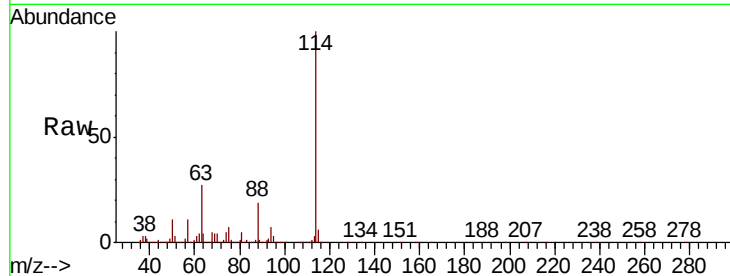




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

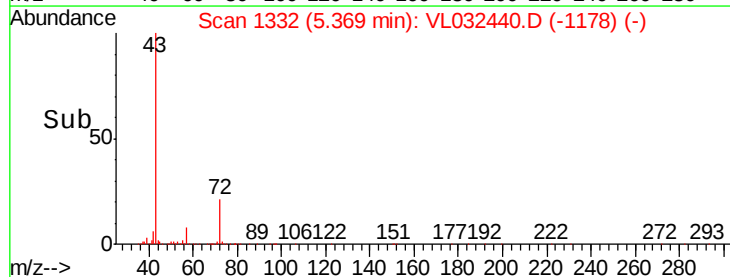
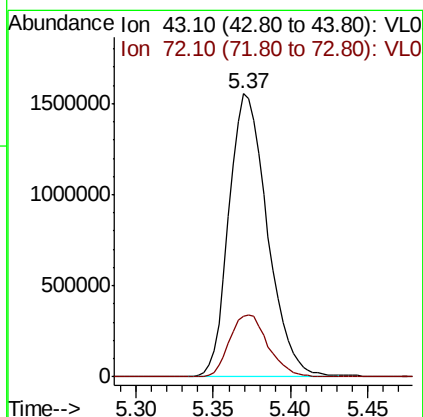
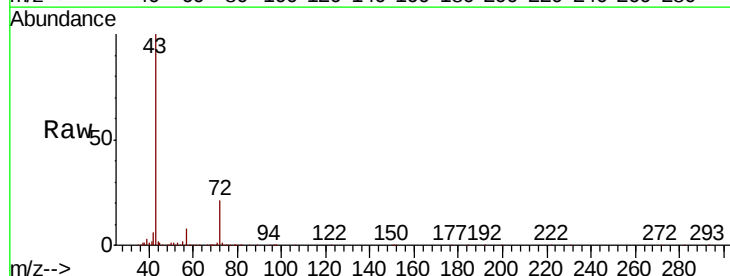
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

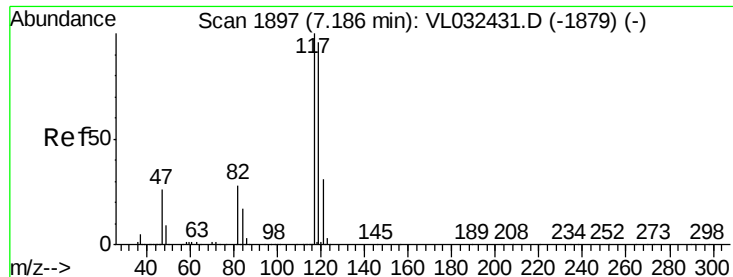
Tgt Ion: 114 Resp: 4018422
 Ion Ratio Lower Upper
 114 100
 63 27.5 22.2 33.4
 88 18.5 15.0 22.4



#34
 2-Butanone
 Concen: 10.024 ppbv
 RT: 5.37 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 43 Resp: 2675450
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.8 26.6

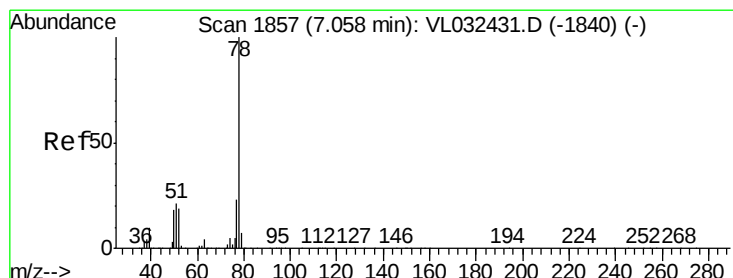
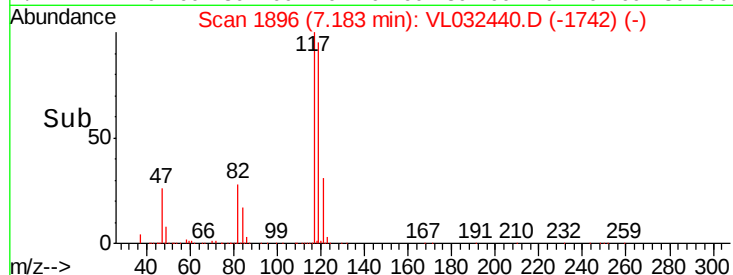
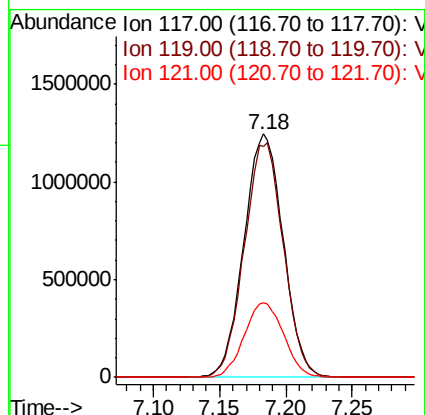
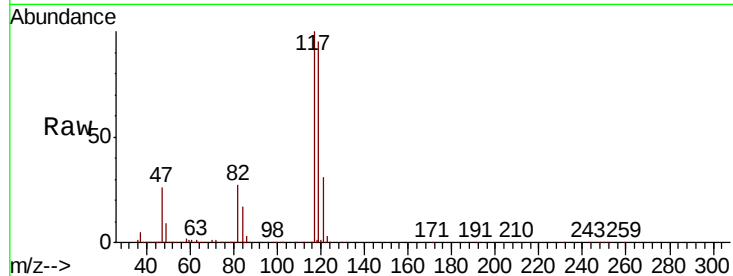




#35
 Carbon Tetrachloride
 Concen: 9.507 ppbv
 RT: 7.18 min Scan# 1896
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

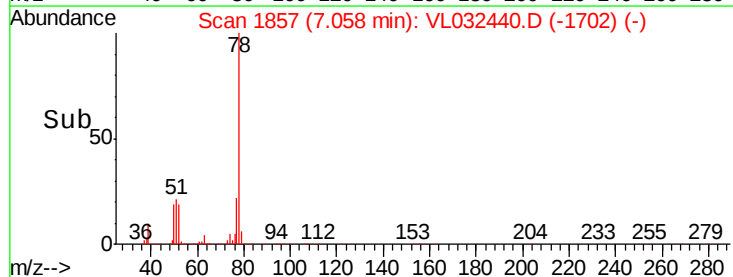
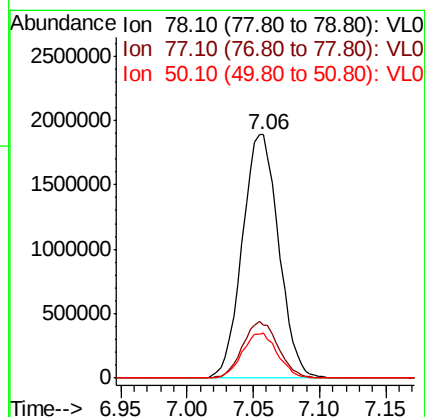
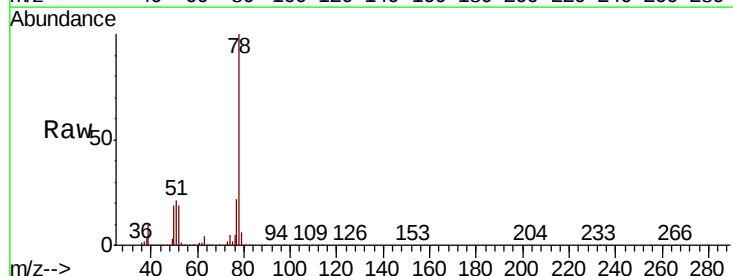
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

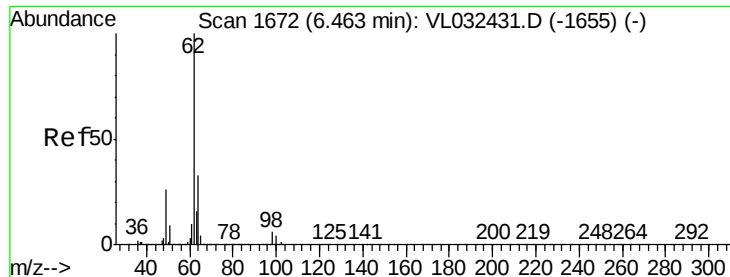
Tgt Ion: 117 Resp: 2567831
 Ion Ratio Lower Upper
 117 100
 119 95.0 76.6 115.0
 121 30.9 24.6 36.8



#36
 Benzene
 Concen: 10.519 ppbv
 RT: 7.06 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 78 Resp: 3597254
 Ion Ratio Lower Upper
 78 100
 77 21.9 18.4 27.6
 50 18.7 14.4 21.6





#37

1,2-Dichloroethane

Concen: 9.647 ppbv

RT: 6.46 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

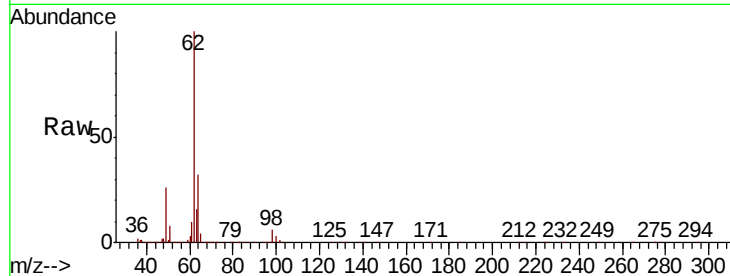
VL0831ABS01

Tgt Ion: 62 Resp: 2021628

Ion Ratio Lower Upper

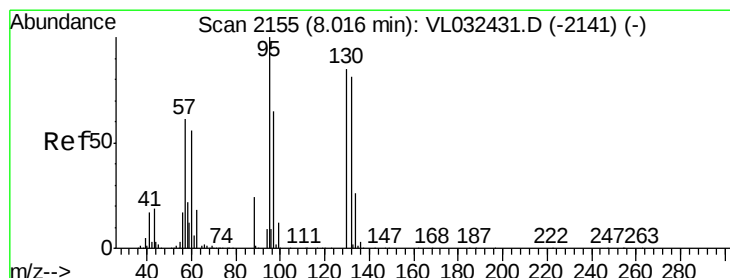
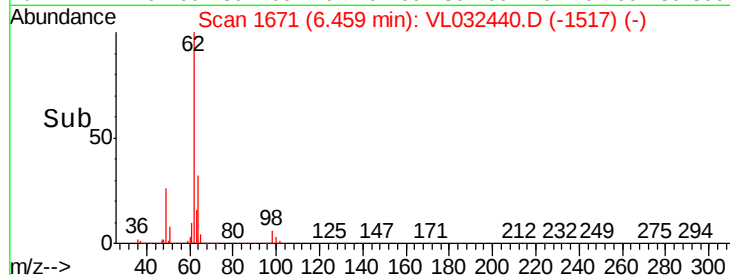
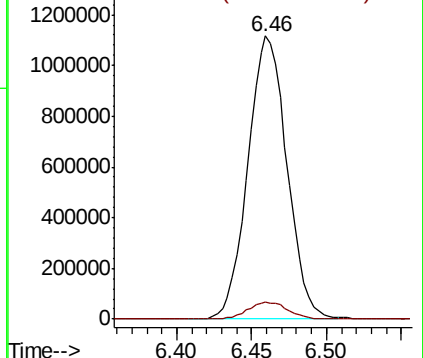
62 100

98 6.2 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.750 ppbv

RT: 8.01 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Tgt Ion: 130 Resp: 1266603

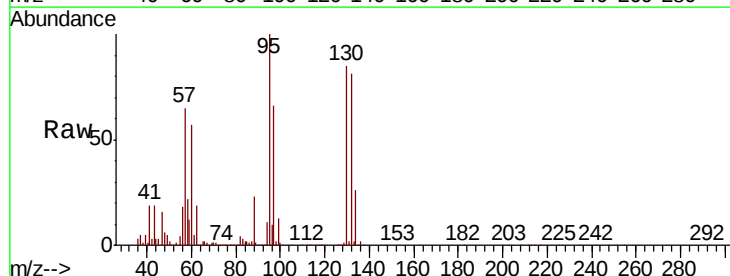
Ion Ratio Lower Upper

130 100

95 117.8 94.2 141.4

132 95.4 76.2 114.4

97 78.0 60.8 91.2

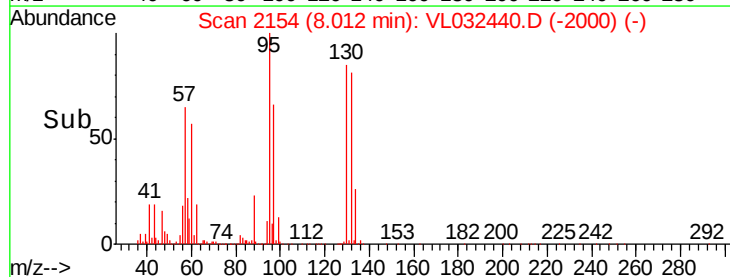
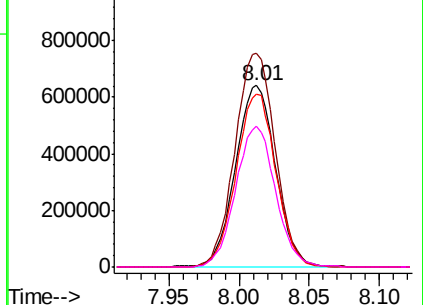


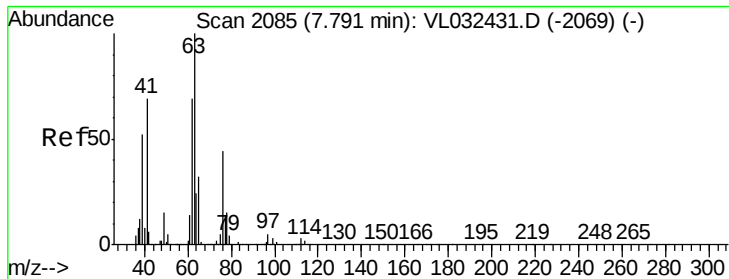
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

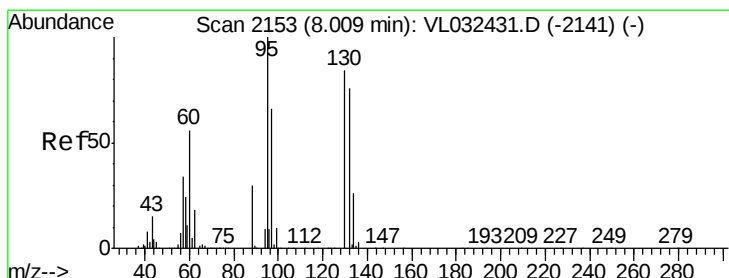
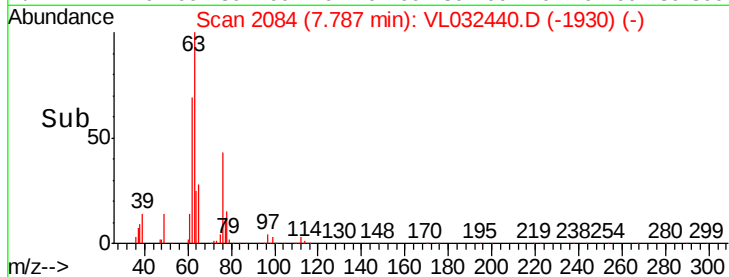
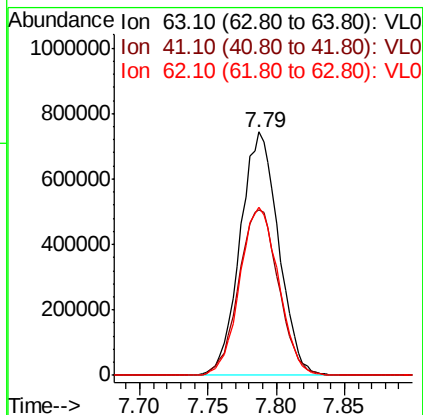
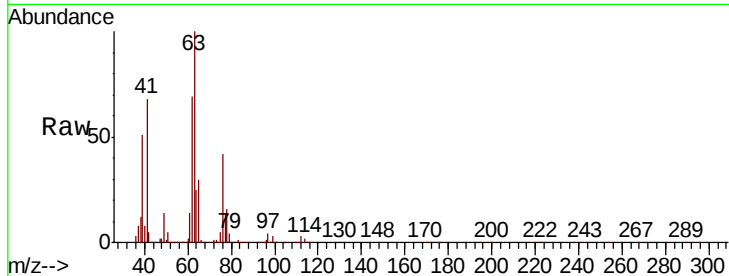




#39
 1,2-Dichloropropane
 Concen: 9.905 ppbv
 RT: 7.79 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

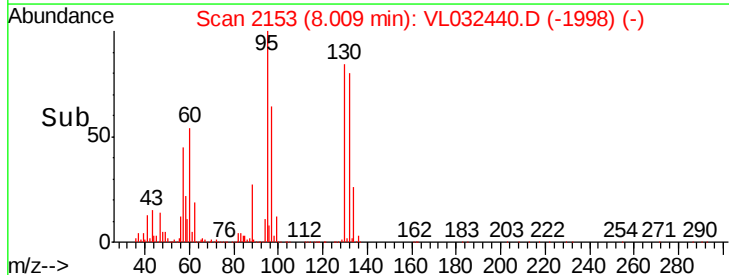
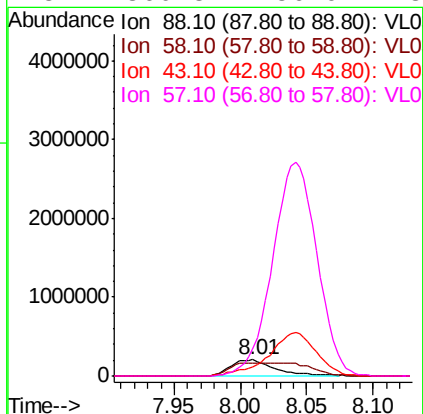
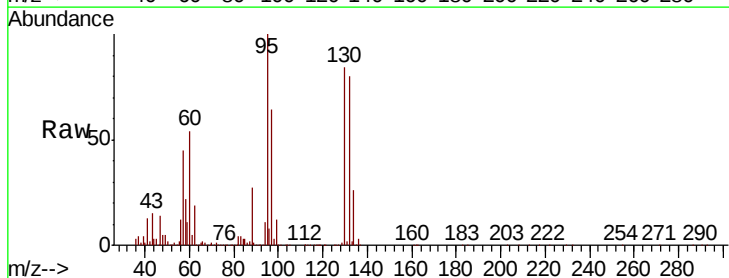
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

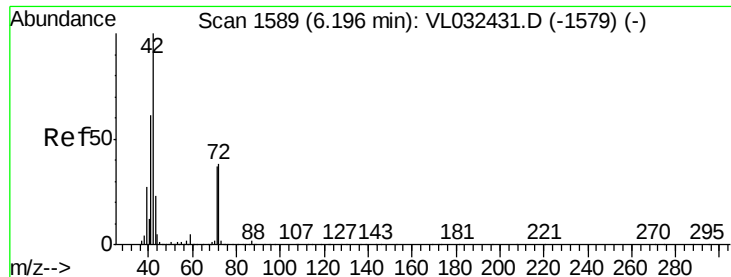
Tgt Ion: 63 Resp: 1449214
 Ion Ratio Lower Upper
 63 100
 41 67.8 55.4 83.0
 62 68.8 55.4 83.0



#40
 1,4-Dioxane
 Concen: 10.708 ppbv
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 88 Resp: 470030
 Ion Ratio Lower Upper
 88 100
 58 146.7 119.7 179.5
 43 294.4 253.0 379.4
 57 1360.8 1156.9 1735.3

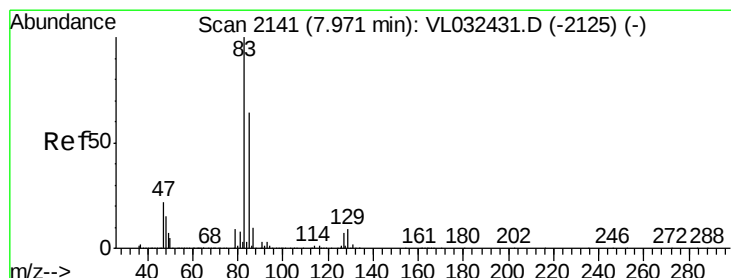
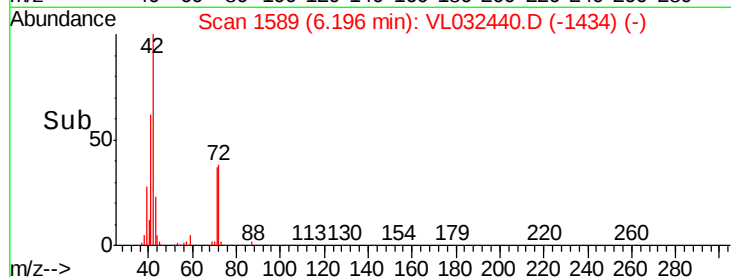
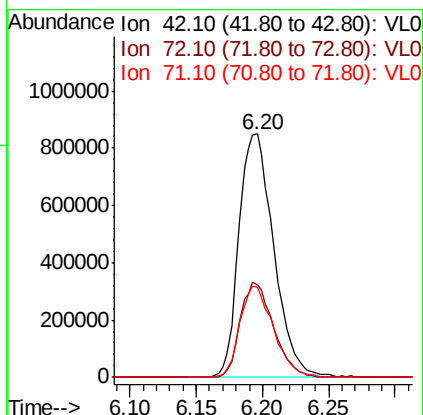
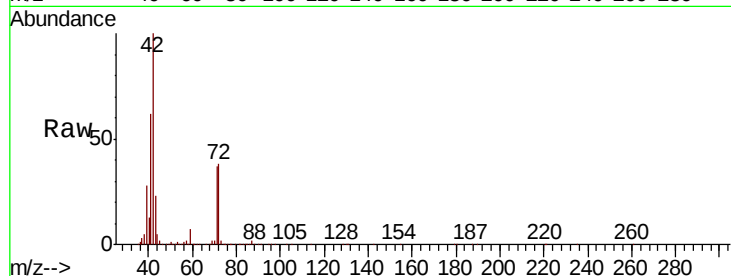




#41
Tetrahydrofuran
Concen: 10.703 ppbv
RT: 6.20 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

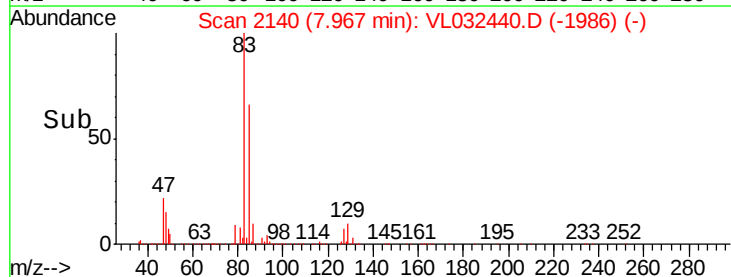
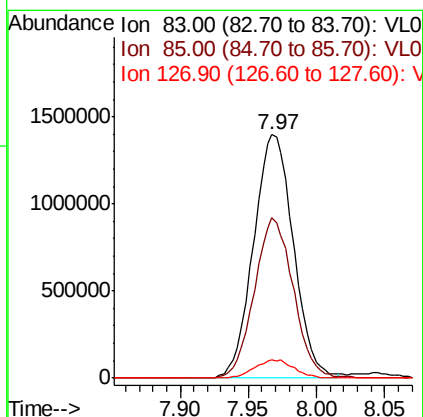
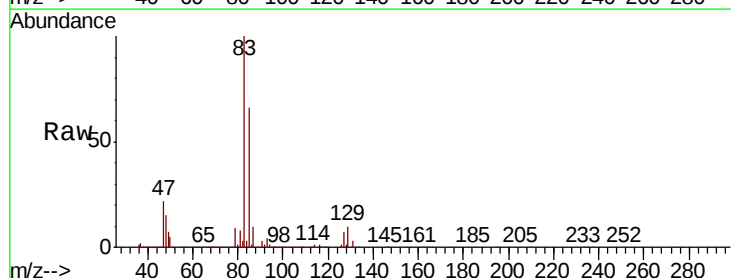
Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

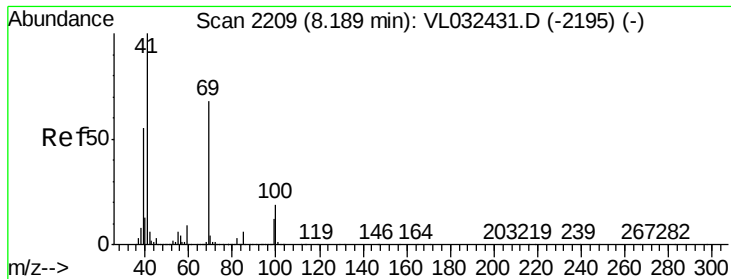
Tgt Ion: 42 Resp: 1555217
Ion Ratio Lower Upper
42 100
72 37.6 29.5 44.3
71 36.2 28.3 42.5



#42
Bromodichloromethane
Concen: 9.795 ppbv
RT: 7.97 min Scan# 2140
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Tgt Ion: 83 Resp: 2831196
Ion Ratio Lower Upper
83 100
85 66.1 51.1 76.7
127 7.3 5.8 8.8





#43

Methyl Methacrylate

Concen: 10.325 ppbv

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

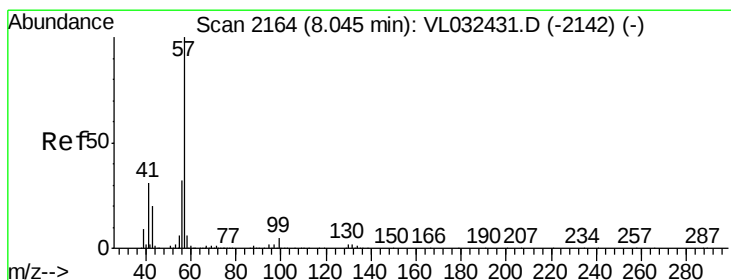
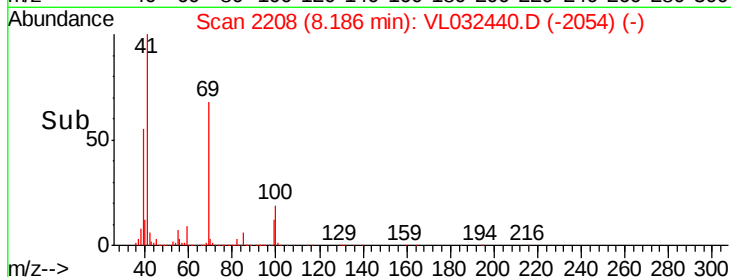
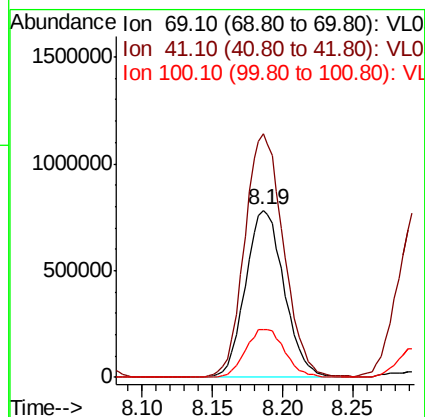
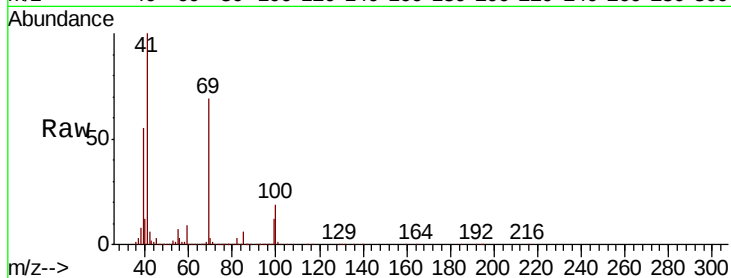
Tgt Ion: 69 Resp: 1497984

Ion Ratio Lower Upper

69 100

41 146.8 117.1 175.7

100 29.2 23.4 35.2



#44

2,2,4-Trimethylpentane

Concen: 9.657 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

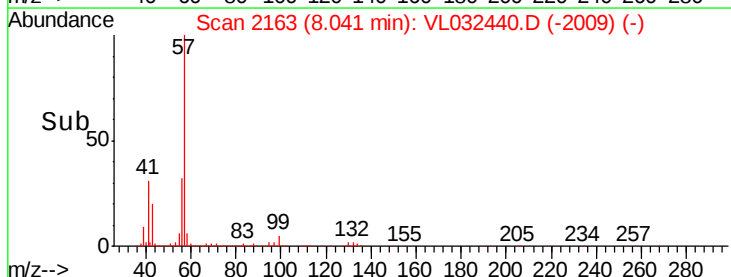
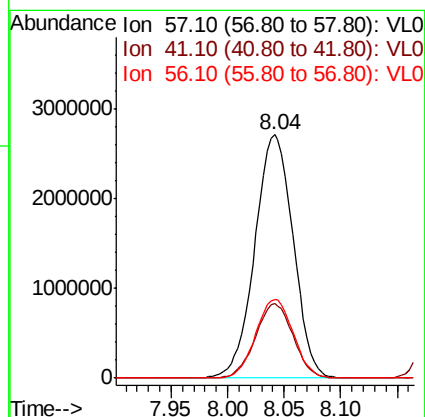
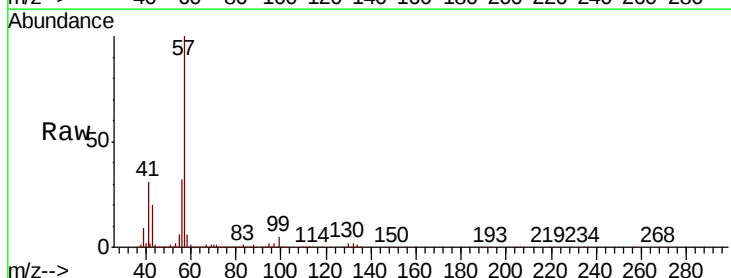
Tgt Ion: 57 Resp: 6384820

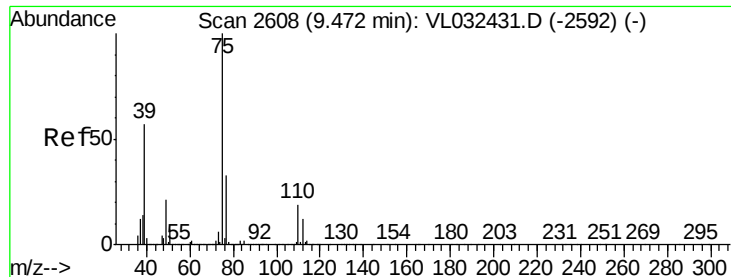
Ion Ratio Lower Upper

57 100

41 30.1 24.4 36.6

56 31.8 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.648 ppbv

RT: 9.47 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

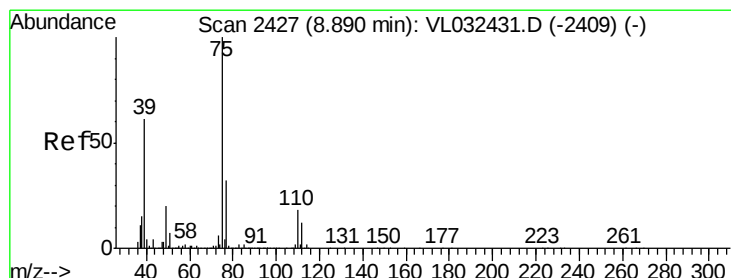
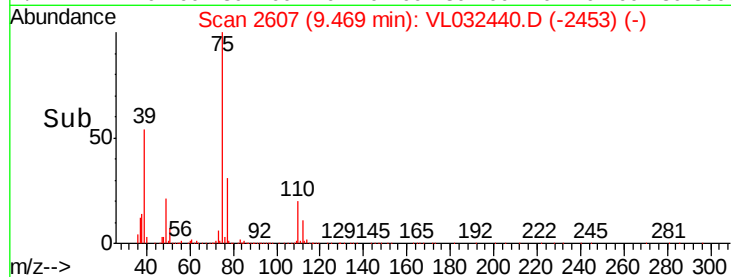
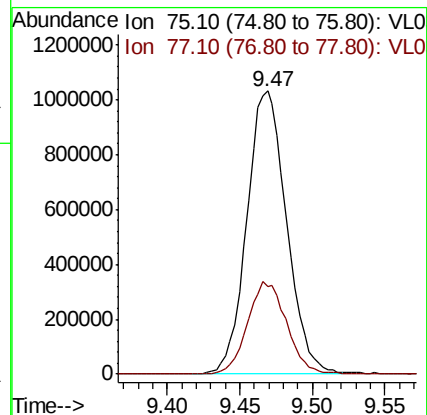
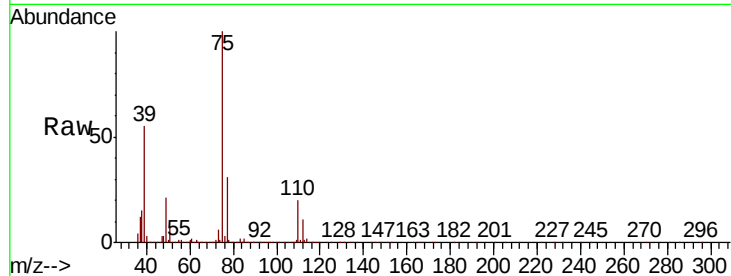
VL0831ABS01

Tgt Ion: 75 Resp: 1963436

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 12.054 ppbv

RT: 8.89 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

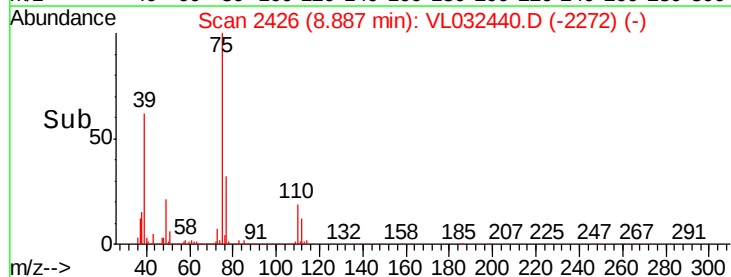
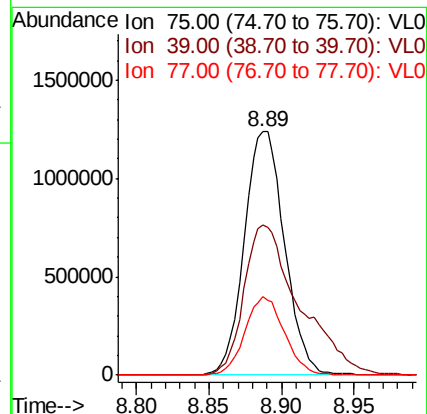
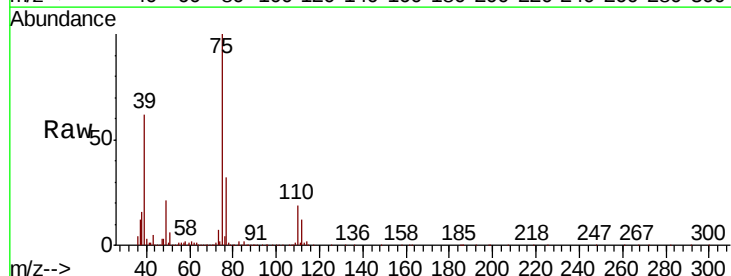
Tgt Ion: 75 Resp: 2391249

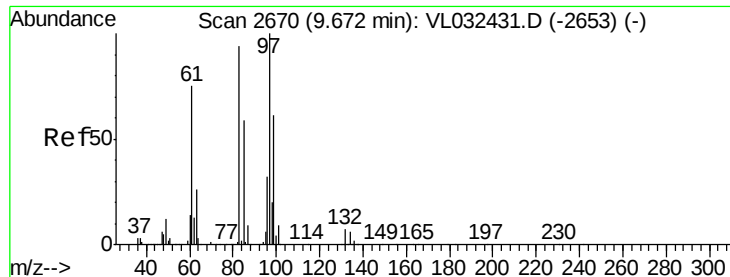
Ion Ratio Lower Upper

75 100

39 61.6 48.9 73.3

77 32.3 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.162 ppbv

RT: 9.67 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

Tgt Ion: 97 Resp: 1580812

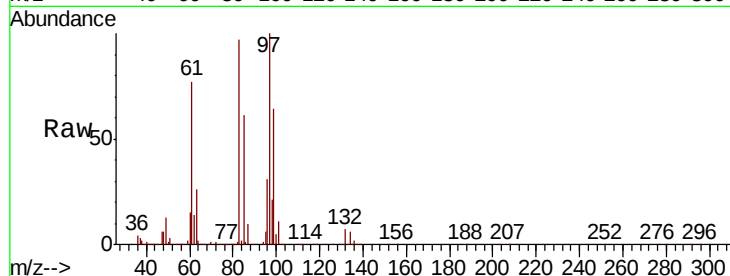
Ion Ratio Lower Upper

97 100

83 97.4 75.0 112.4

85 60.7 47.5 71.3

99 64.0 49.0 73.6

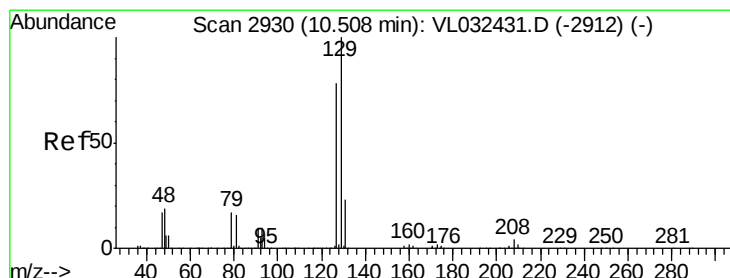
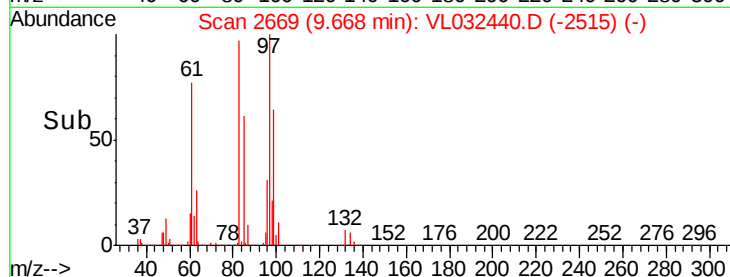
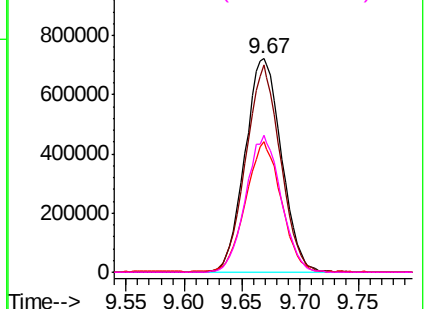


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.546 ppbv

RT: 10.51 min Scan# 2930

Delta R.T. -0.00 min

Lab File: VL032440.D

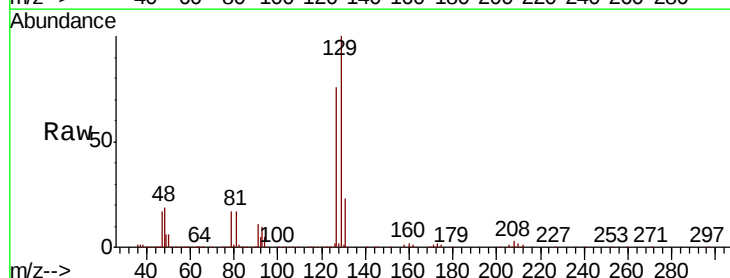
Acq: 31 Aug 2018 14:02

Tgt Ion: 129 Resp: 2272147

Ion Ratio Lower Upper

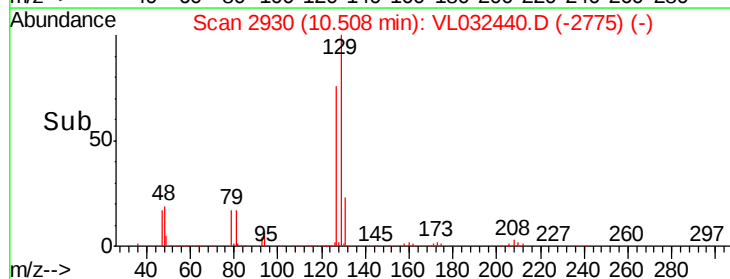
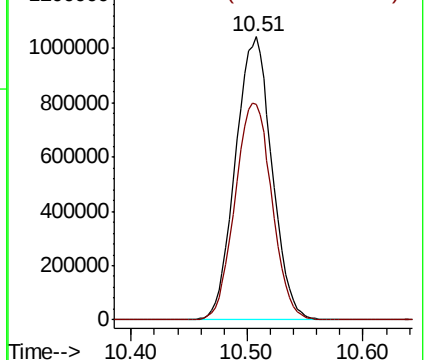
129 100

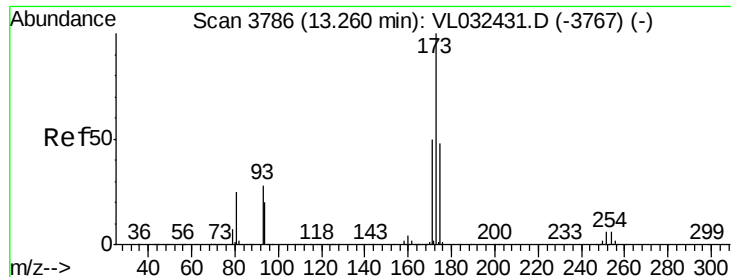
127 77.8 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.600 ppbv

RT: 13.26 min Scan# 3786

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

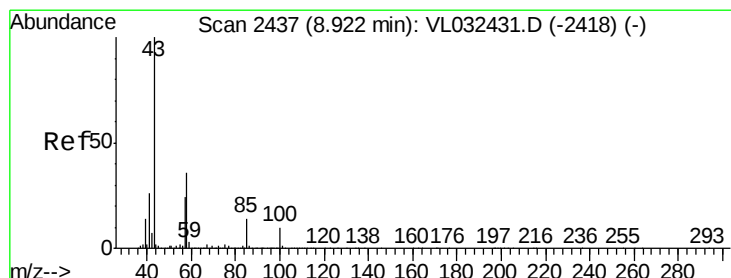
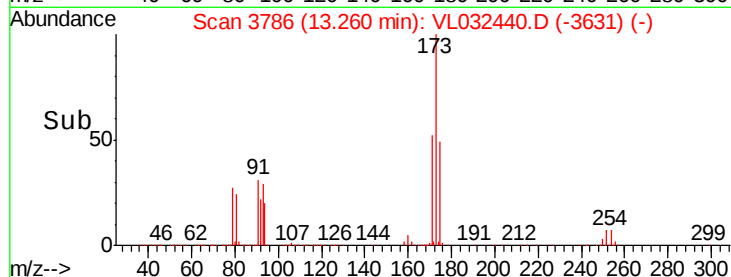
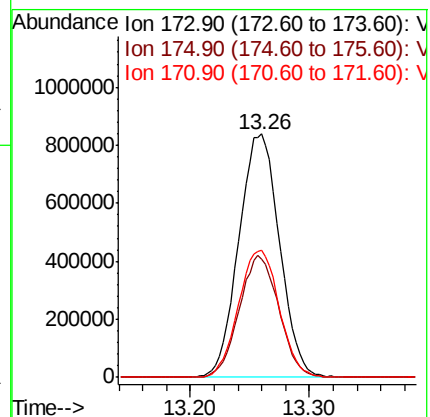
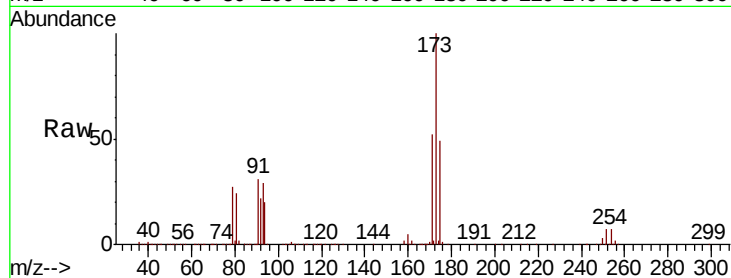
Tgt Ion:173 Resp: 1984937

Ion Ratio Lower Upper

173 100

175 48.7 38.9 58.3

171 52.5 41.6 62.4



#50

4-Methyl-2-Pentanone

Concen: 10.444 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032440.D

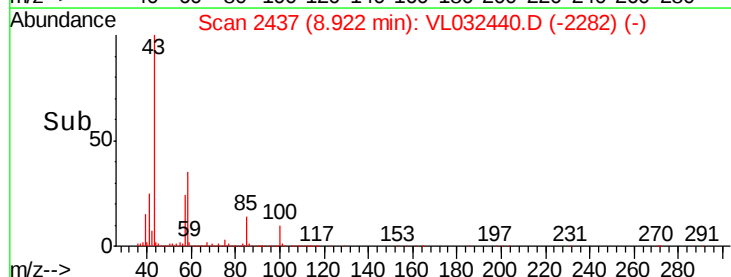
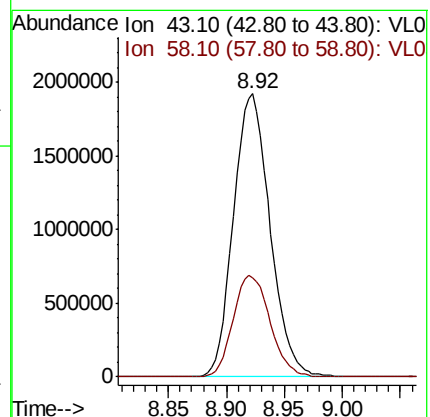
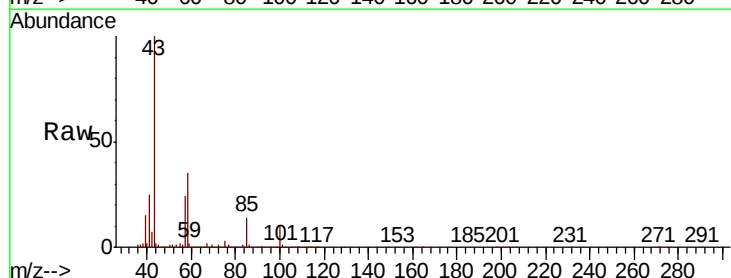
Acq: 31 Aug 2018 14:02

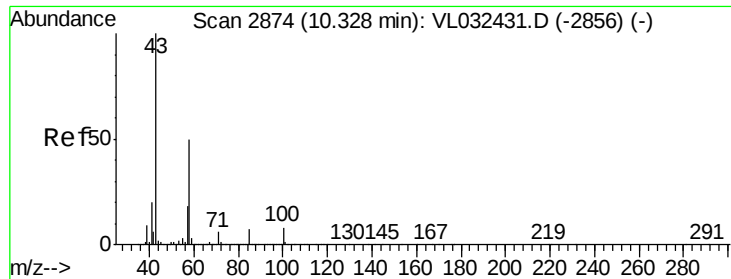
Tgt Ion: 43 Resp: 4199164

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.4





#51

2-Hexanone

Concen: 12.926 ppbv

RT: 10.32 min Scan# 2872

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

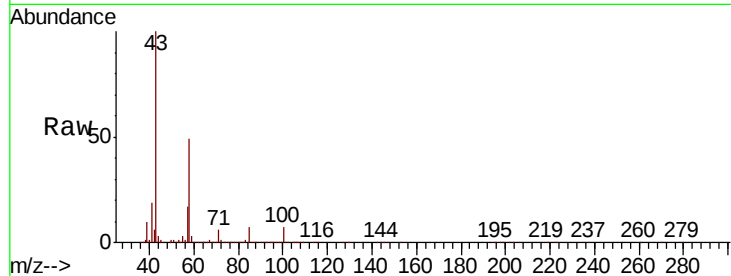
Tgt Ion: 43 Resp: 3347643

Ion Ratio Lower Upper

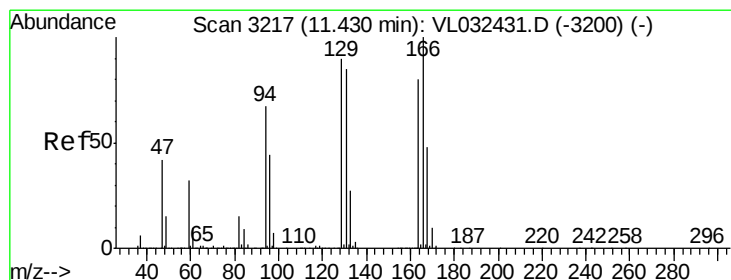
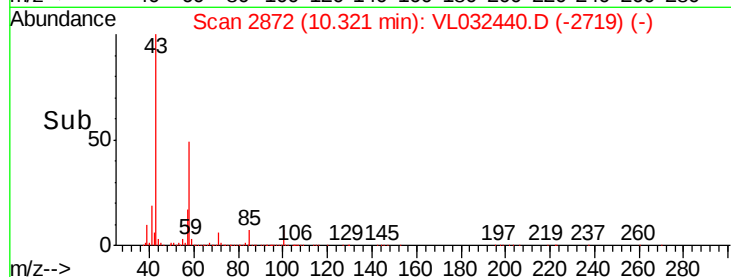
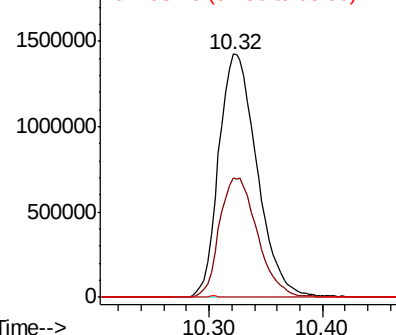
43 100

58 48.8 39.2 58.8

98 0.3 0.4 0.6#



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



#52

Tetrachloroethene

Concen: 10.941 ppbv

RT: 11.43 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Tgt Ion: 164 Resp: 1160173

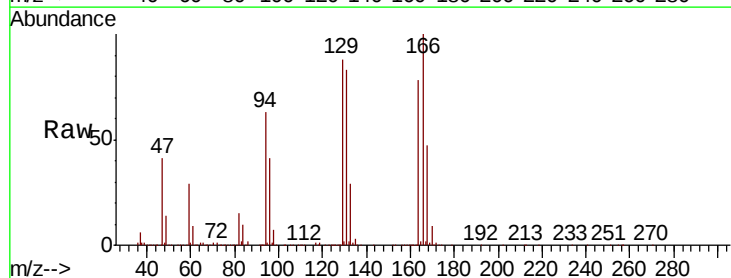
Ion Ratio Lower Upper

164 100

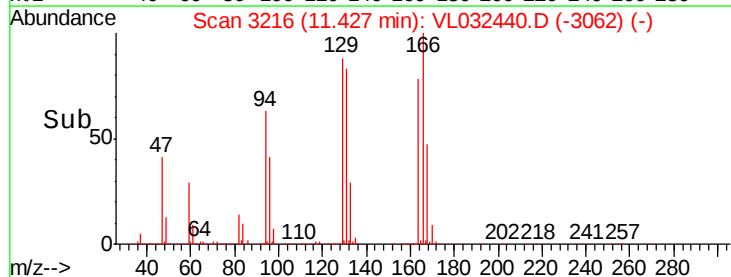
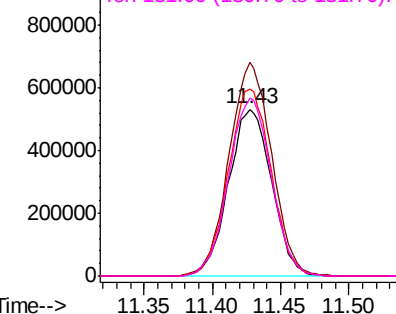
166 128.0 100.6 150.8

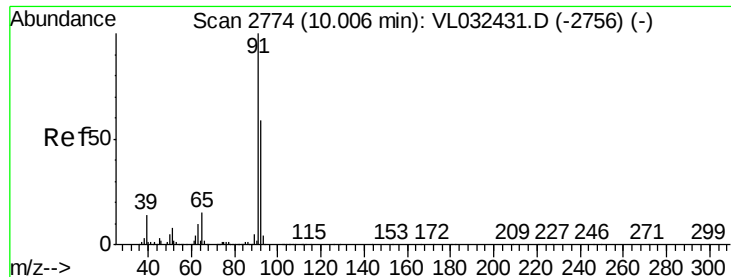
129 112.4 89.9 134.9

131 106.4 85.9 128.9



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





#53

Toluene

Concen: 11.810 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

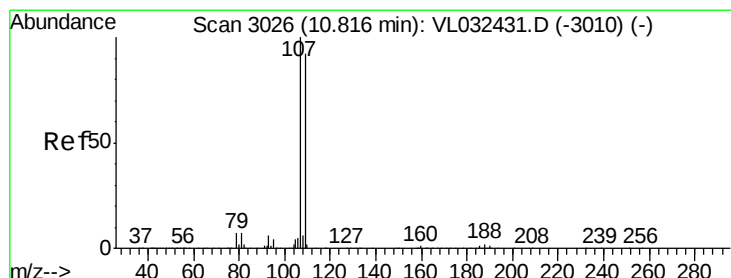
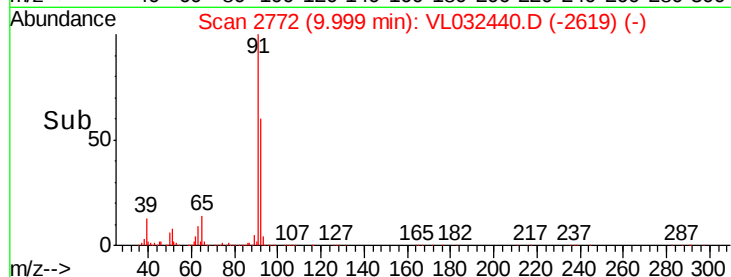
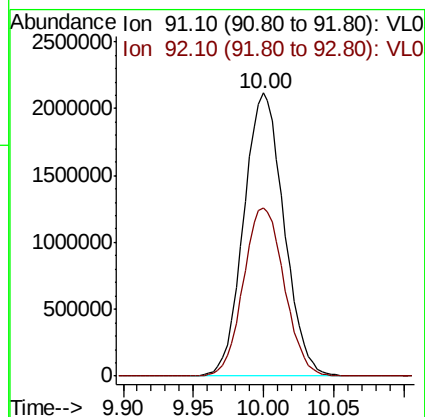
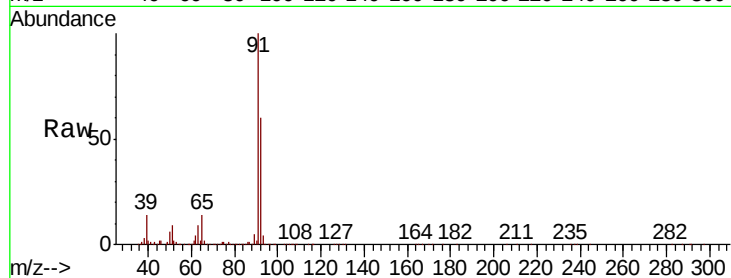
VL0831ABS01

Tgt Ion: 91 Resp: 4221470

Ion Ratio Lower Upper

91 100

92 60.6 48.1 72.1



#54

1,2-Dibromoethane

Concen: 9.981 ppbv

RT: 10.82 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VL032440.D

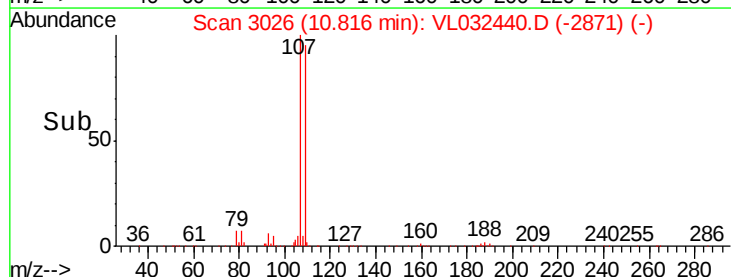
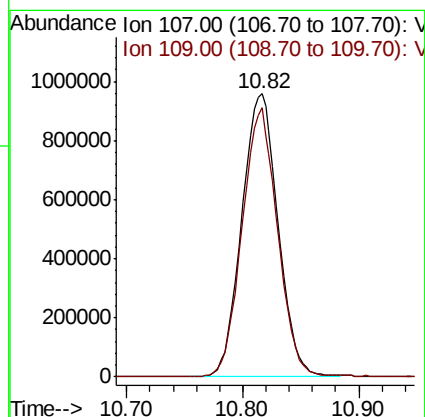
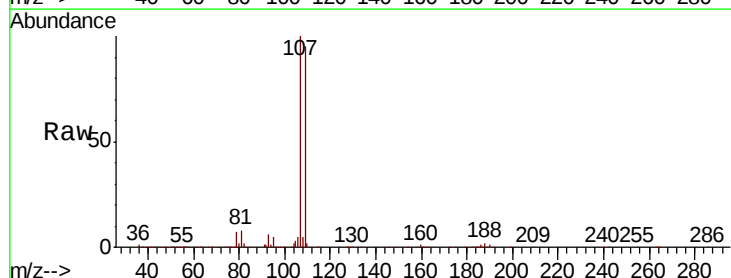
Acq: 31 Aug 2018 14:02

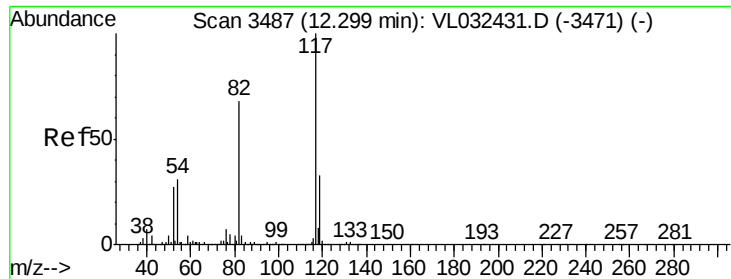
Tgt Ion: 107 Resp: 2084686

Ion Ratio Lower Upper

107 100

109 95.3 73.9 110.9

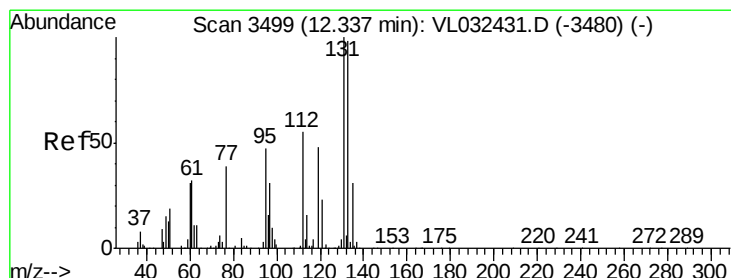
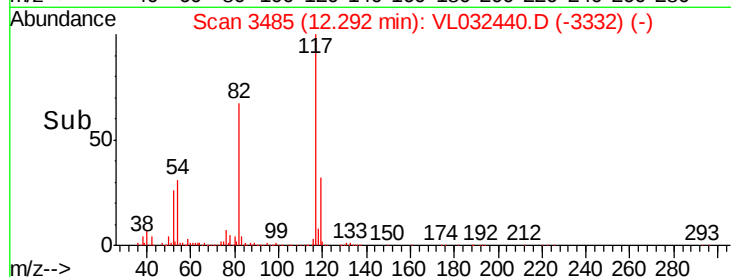
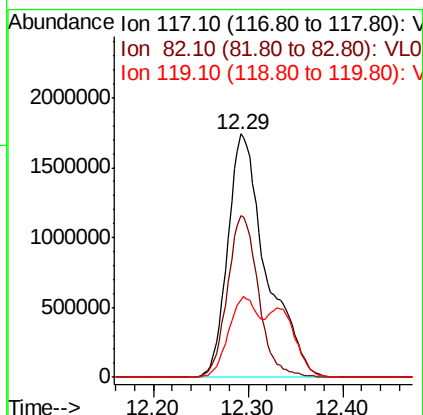
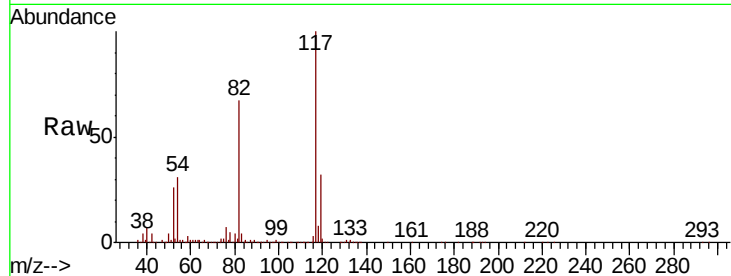




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

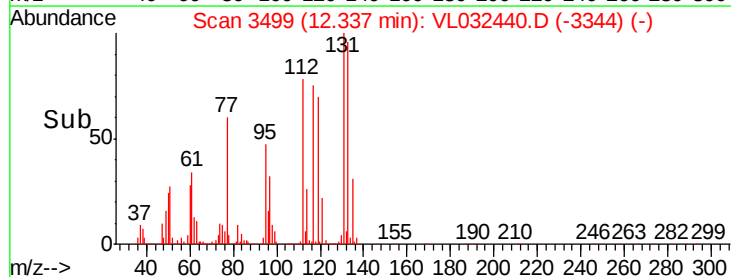
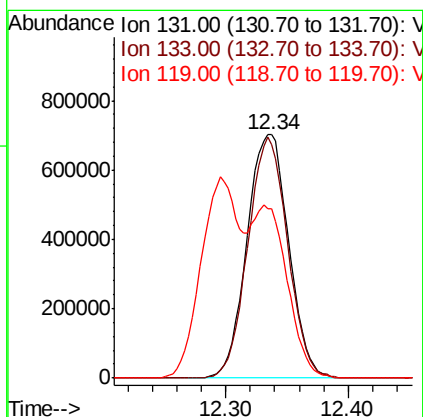
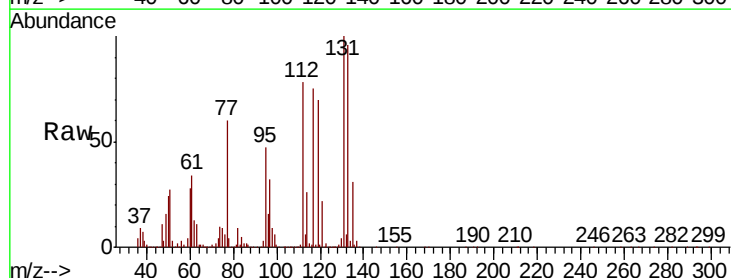
Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

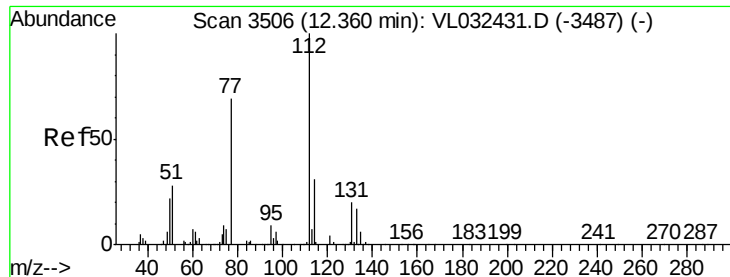
Tgt Ion:117 Resp: 4921559
Ion Ratio Lower Upper
117 100
82 53.8 53.0 79.6
119 25.5 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.470 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Tgt Ion:131 Resp: 1657508
Ion Ratio Lower Upper
131 100
133 94.7 77.0 115.4
119 64.6 114.2 171.2#





#57

Chlorobenzene

Concen: 7.547 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

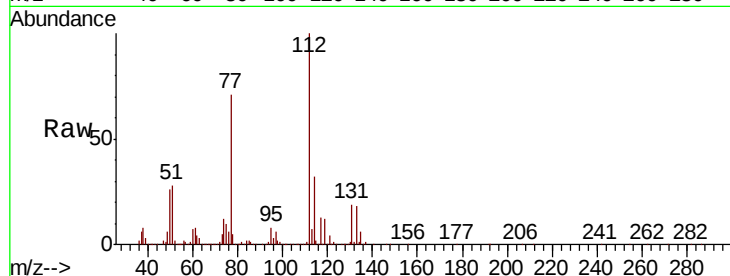
Tgt Ion: 112 Resp: 2968508

Ion Ratio Lower Upper

112 100

77 70.5 56.1 84.1

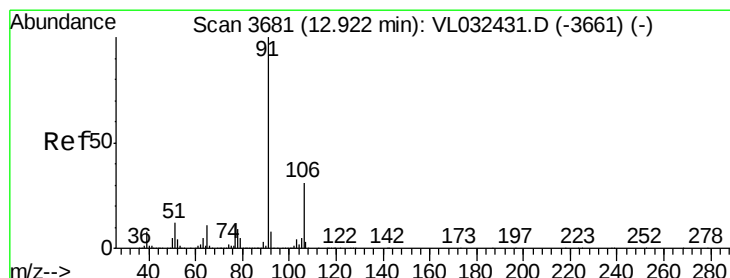
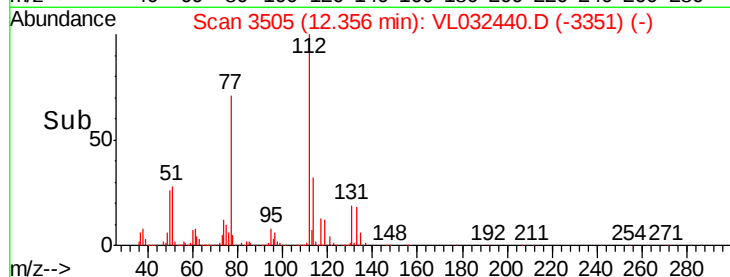
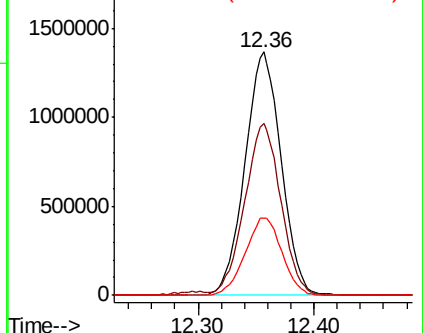
114 31.8 27.8 34.0



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: 9.144 ppbv

RT: 12.92 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL032440.D

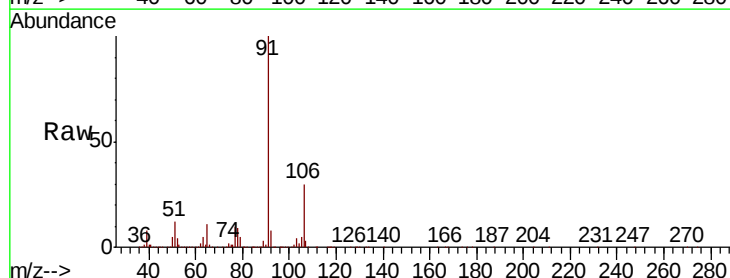
Acq: 31 Aug 2018 14:02

Tgt Ion: 91 Resp: 5385637

Ion Ratio Lower Upper

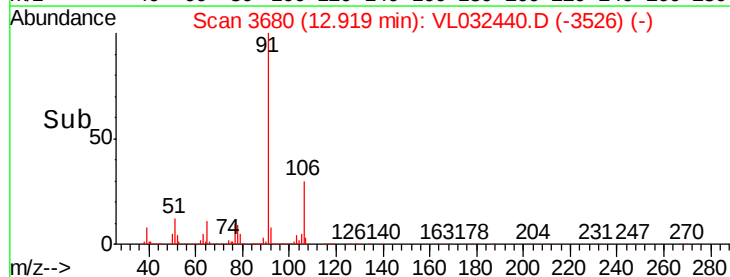
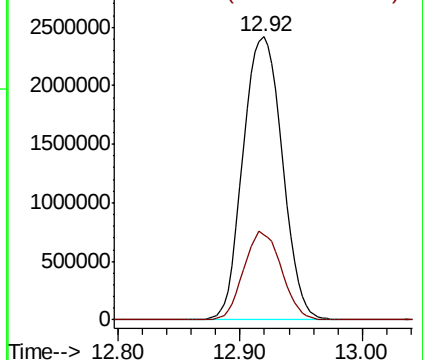
91 100

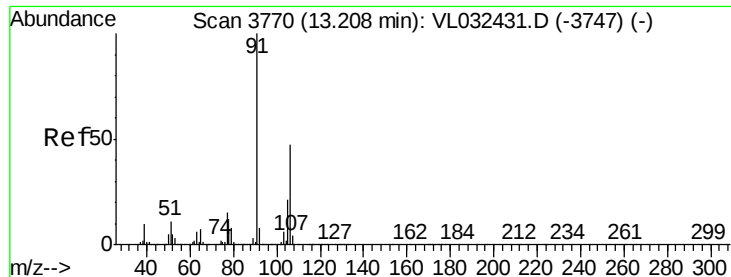
106 30.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.682 ppbv

RT: 13.21 min Scan# 3769

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

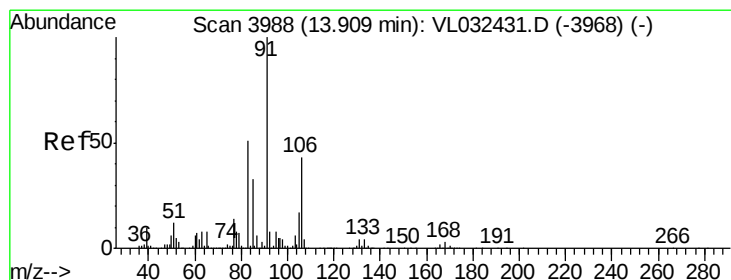
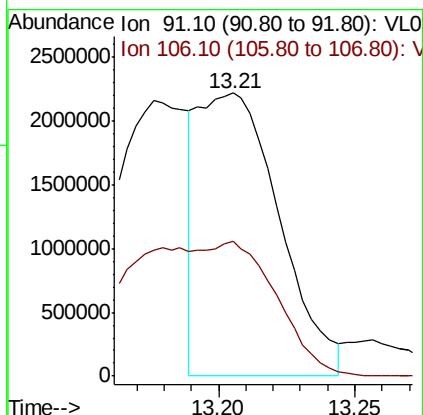
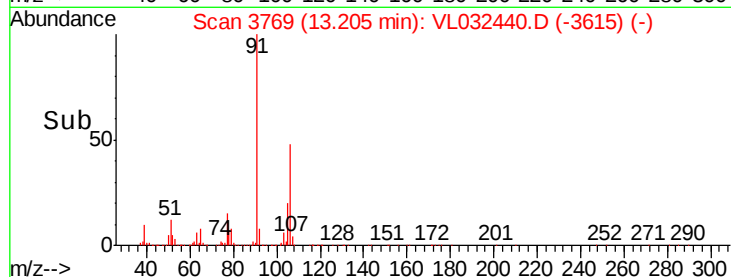
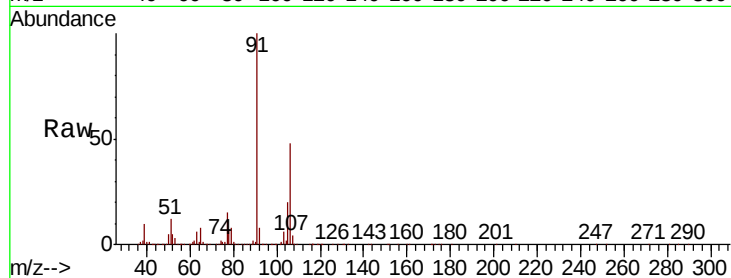
VL0831ABS01

Tgt Ion: 91 Resp: 4558634

Ion Ratio Lower Upper

91 100

106 89.3 36.6 55.0#



#60

o-Xylene

Concen: 8.461 ppbv

RT: 13.91 min Scan# 3987

Delta R.T. -0.00 min

Lab File: VL032440.D

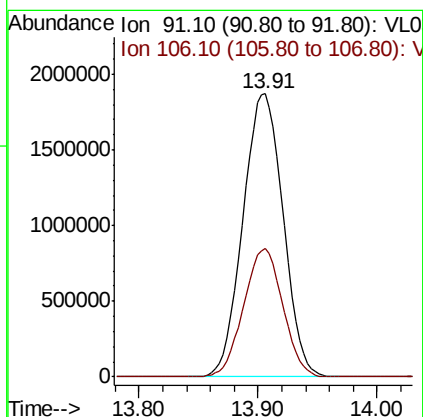
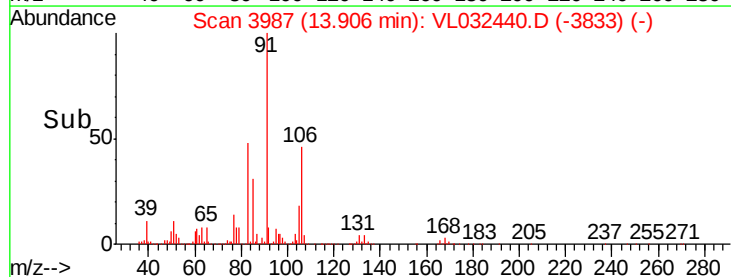
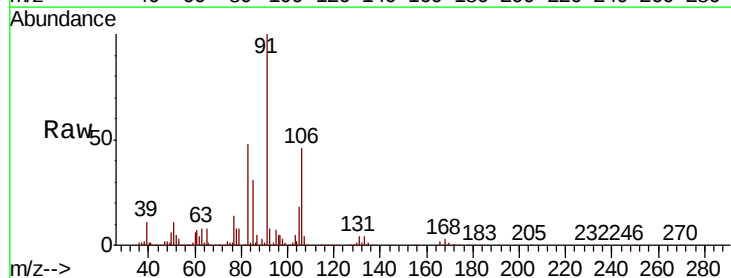
Acq: 31 Aug 2018 14:02

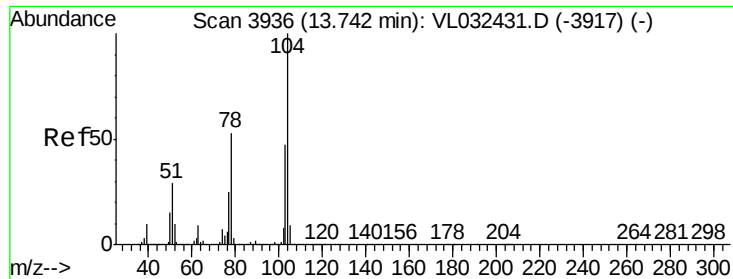
Tgt Ion: 91 Resp: 4363917

Ion Ratio Lower Upper

91 100

106 44.3 21.9 65.7





#61

Styrene

Concen: 9.880 ppbv

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

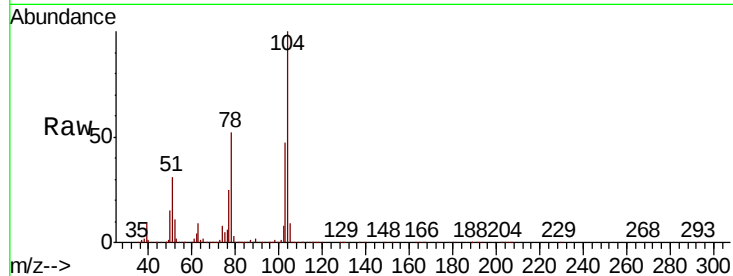
Tgt Ion:104 Resp: 3299036

Ion Ratio Lower Upper

104 100

78 52.2 41.8 62.8

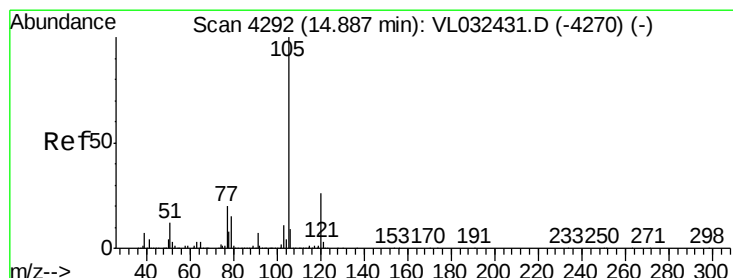
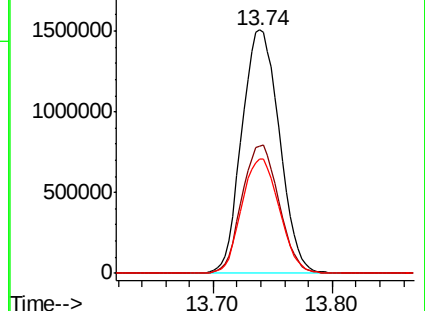
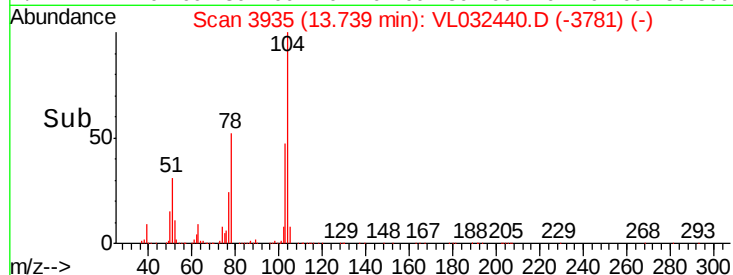
103 47.4 38.0 57.0



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: 8.408 ppbv

RT: 14.88 min Scan# 4290

Delta R.T. -0.01 min

Lab File: VL032440.D

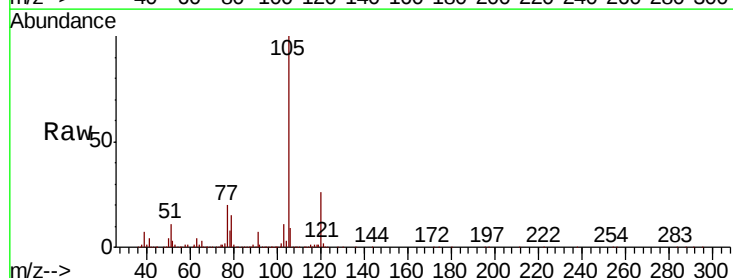
Acq: 31 Aug 2018 14:02

Tgt Ion:105 Resp: 6096545

Ion Ratio Lower Upper

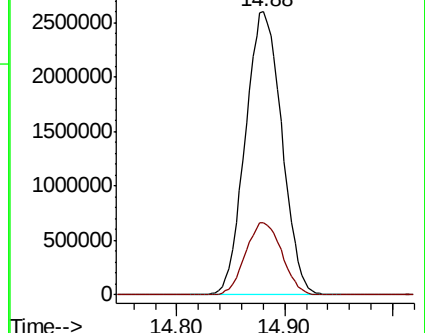
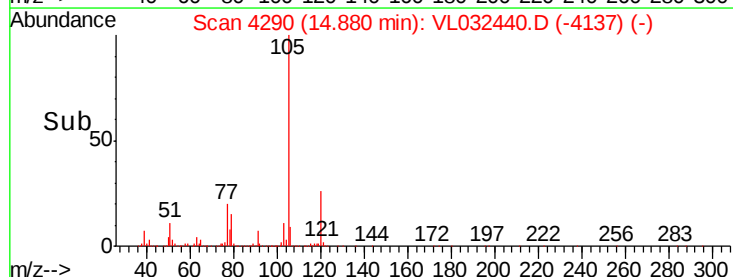
105 100

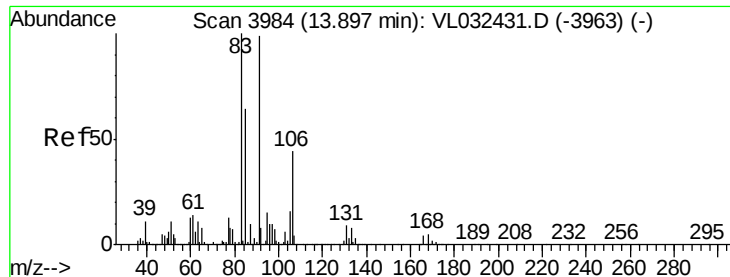
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

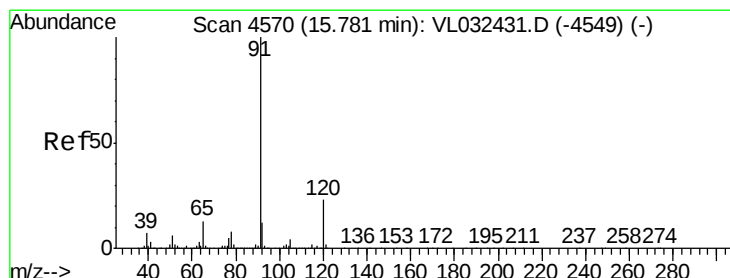
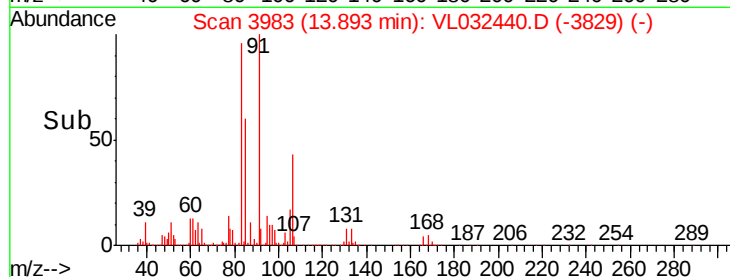
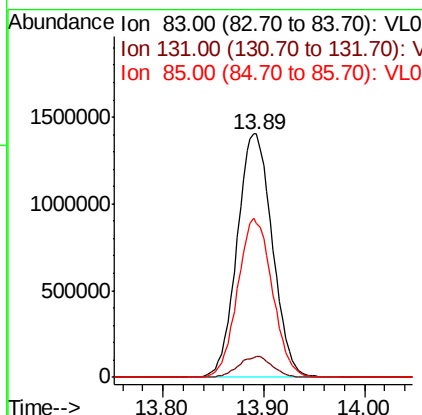
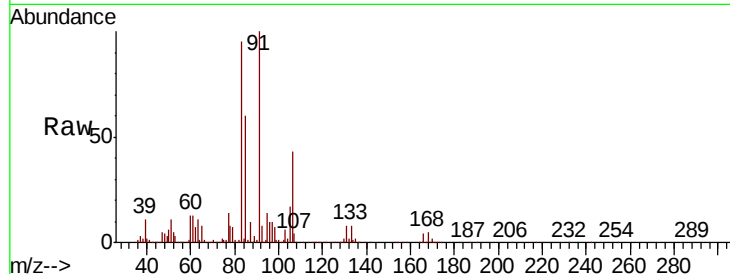




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.354 ppbv
 RT: 13.89 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

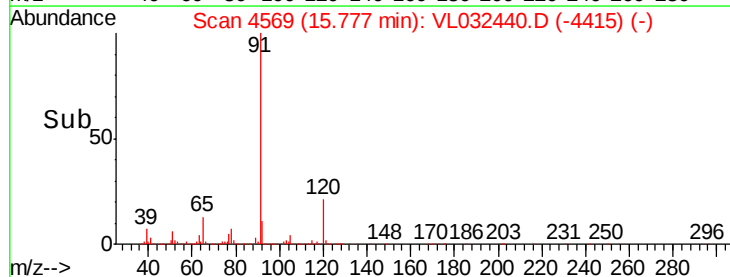
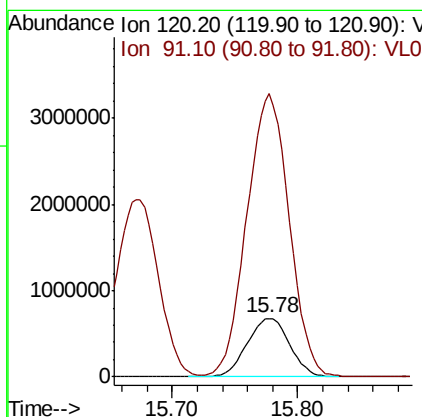
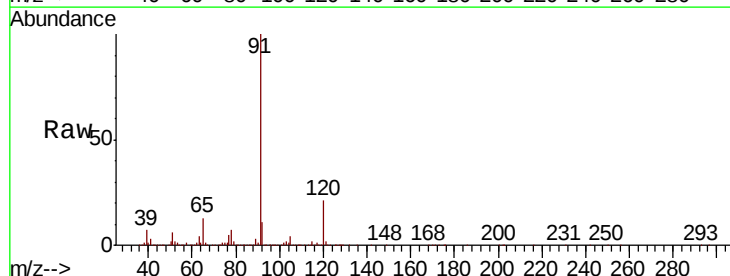
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

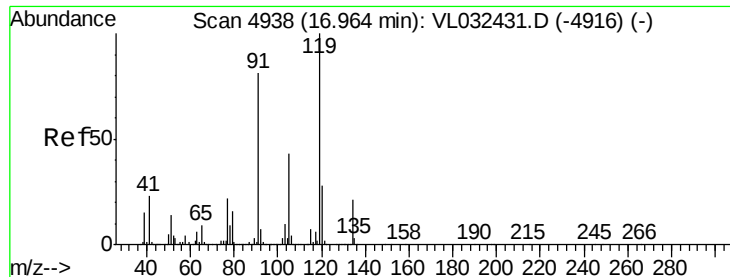
Tgt Ion: 83 Resp: 3391535
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.4 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.432 ppbv
 RT: 15.78 min Scan# 4569
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 120 Resp: 1598294
 Ion Ratio Lower Upper
 120 100
 91 482.1 381.8 572.6

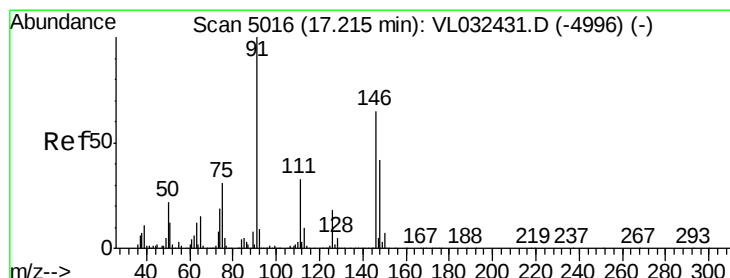
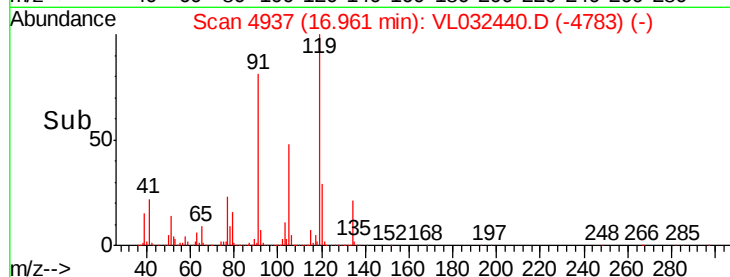
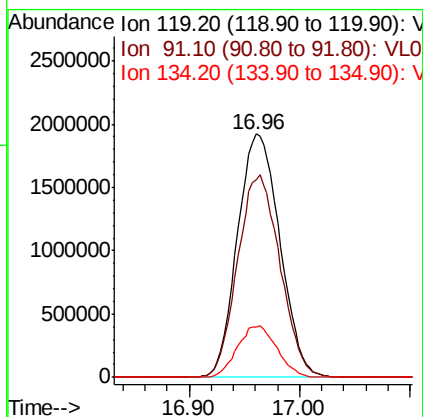
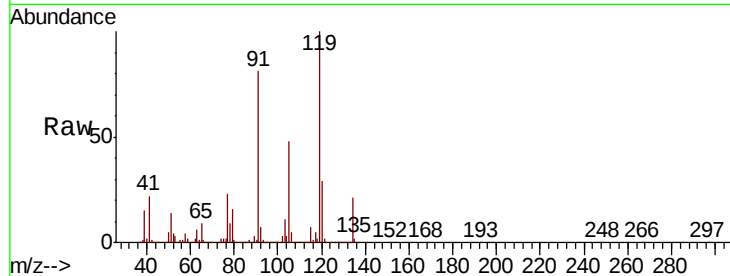




#65
tert-Butylbenzene
Concen: 8.202 ppbv
RT: 16.96 min Scan# 4937
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

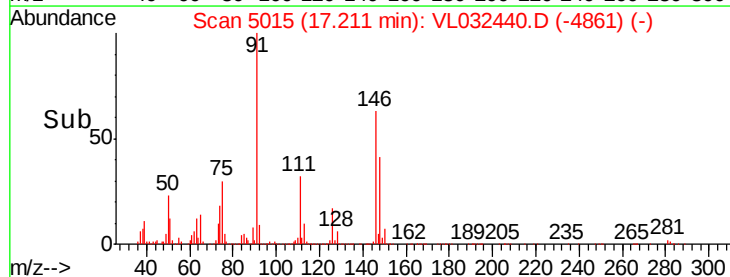
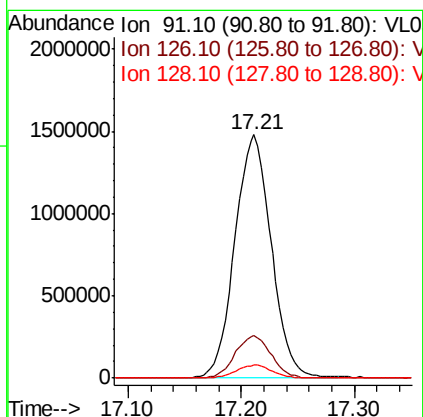
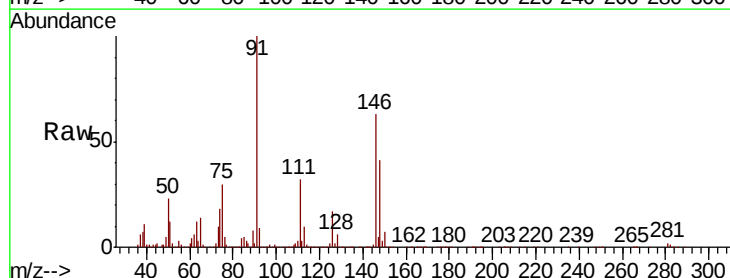
Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

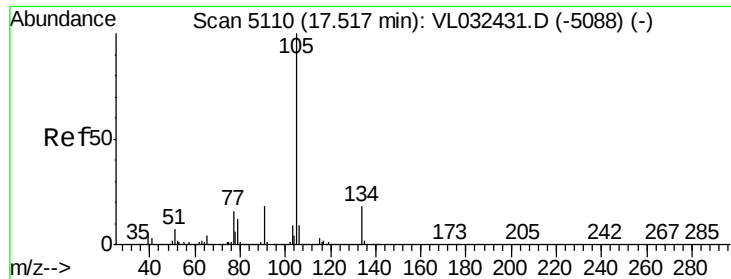
Tgt Ion: 119 Resp: 5124355
Ion Ratio Lower Upper
119 100
91 83.4 66.5 99.7
134 19.8 16.0 24.0



#66
Benzyl Chloride
Concen: 9.523 ppbv
RT: 17.21 min Scan# 5015
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Tgt Ion: 91 Resp: 3314528
Ion Ratio Lower Upper
91 100
126 17.4 13.8 20.8
128 5.4 4.4 6.6

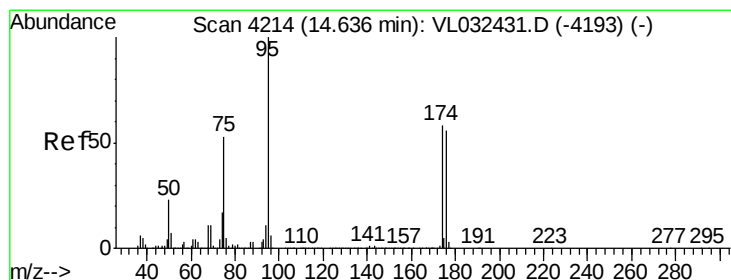
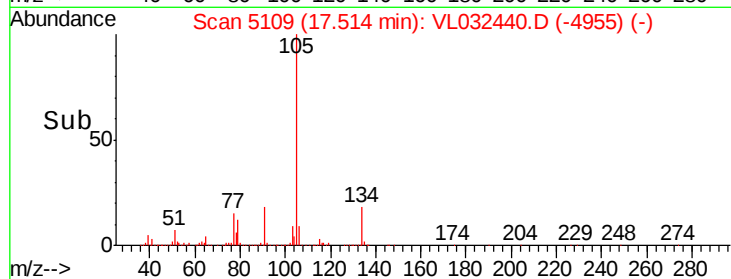
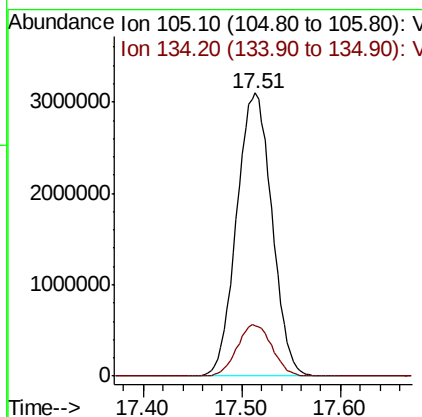
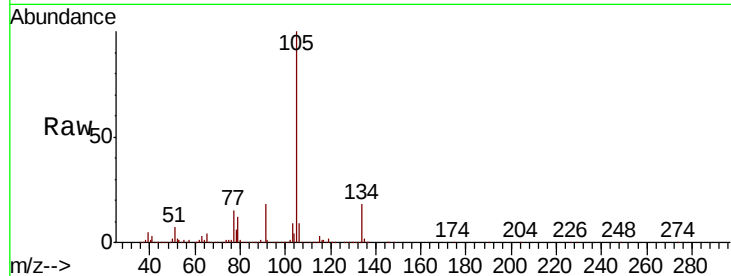




#67
 sec-Butylbenzene
 Concen: 8.167 ppbv
 RT: 17.51 min Scan# 5109
 Delta R.T. -0.00 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

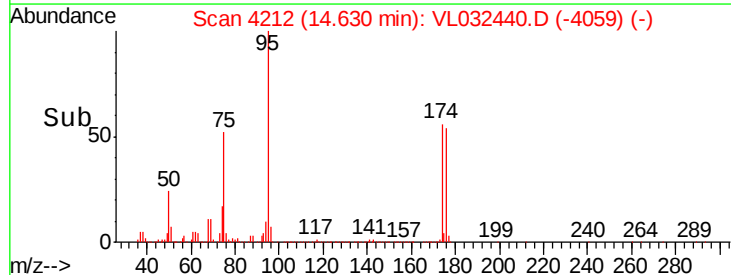
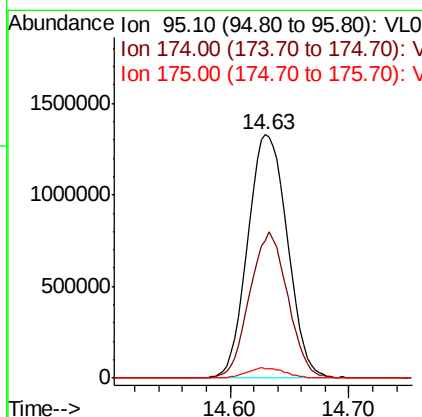
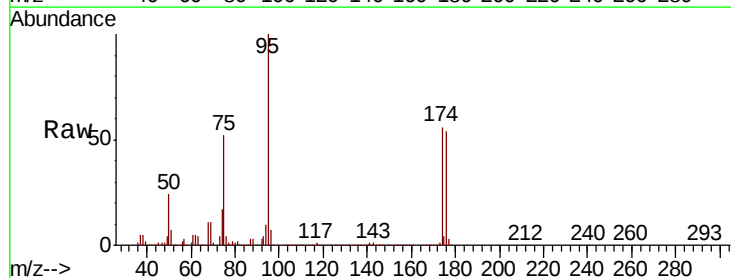
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

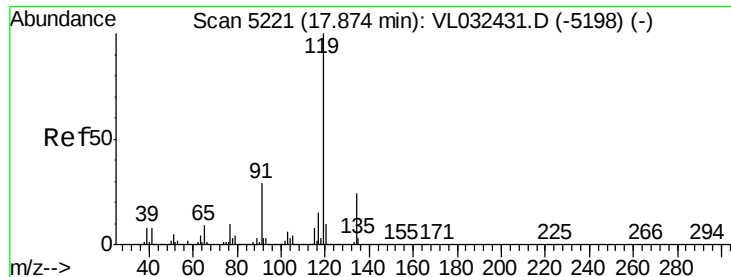
Tgt Ion: 105 Resp: 7674169
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.402 ppbv
 RT: 14.63 min Scan# 4212
 Delta R.T. -0.01 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Tgt Ion: 95 Resp: 3070083
 Ion Ratio Lower Upper
 95 100
 174 57.8 46.3 69.5
 175 4.1 3.4 5.0

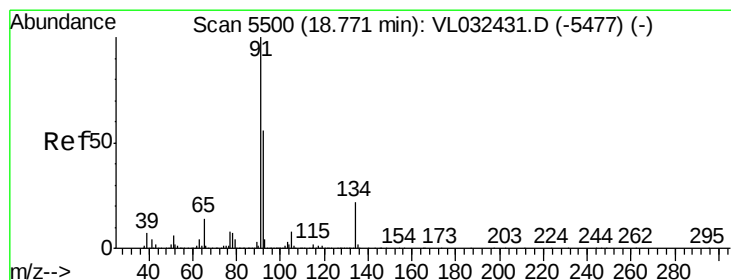
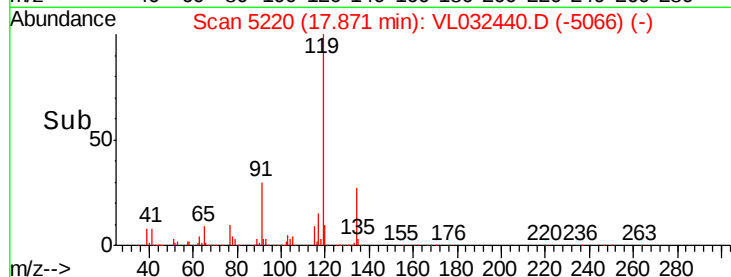
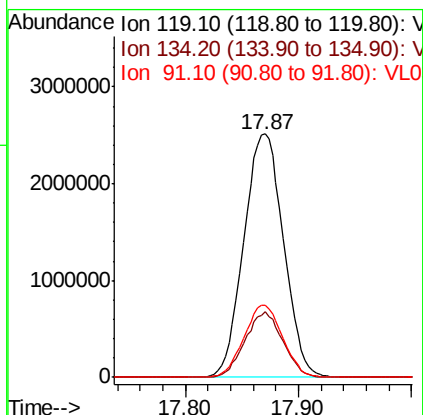
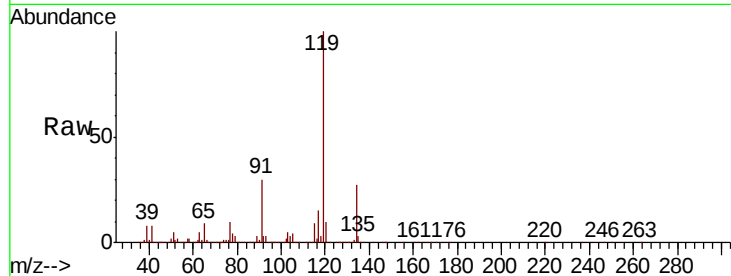




#69
p-Isopropyltoluene
Concen: 8.418 ppbv
RT: 17.87 min Scan# 5220
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

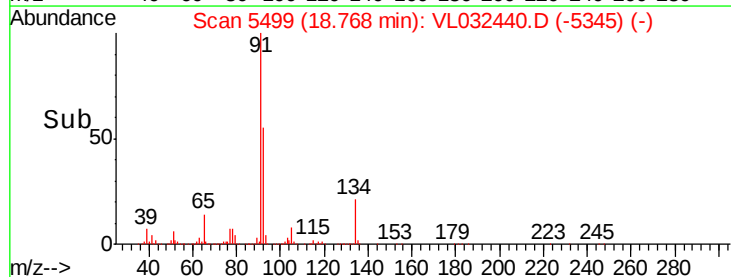
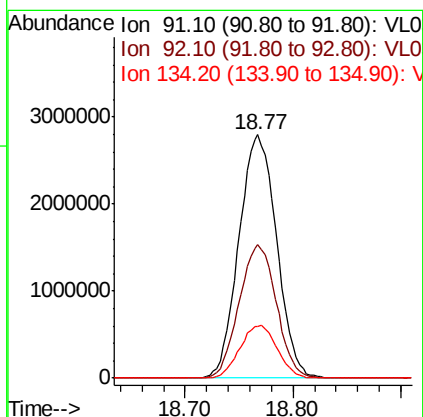
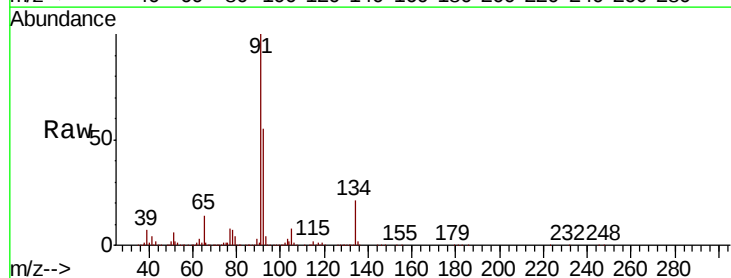
Instrument :
MSVOA_L
ClientSampleId :
VL0831ABS01

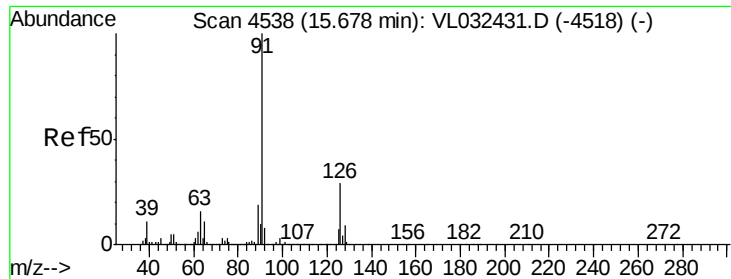
Tgt Ion: 119 Resp: 6130390
Ion Ratio Lower Upper
119 100
134 25.6 20.4 30.6
91 29.0 23.4 35.2



#70
n-Butylbenzene
Concen: 8.226 ppbv
RT: 18.77 min Scan# 5499
Delta R.T. -0.00 min
Lab File: VL032440.D
Acq: 31 Aug 2018 14:02

Tgt Ion: 91 Resp: 6790066
Ion Ratio Lower Upper
91 100
92 54.3 43.8 65.8
134 21.6 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.682 ppbv

RT: 15.67 min Scan# 4536

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

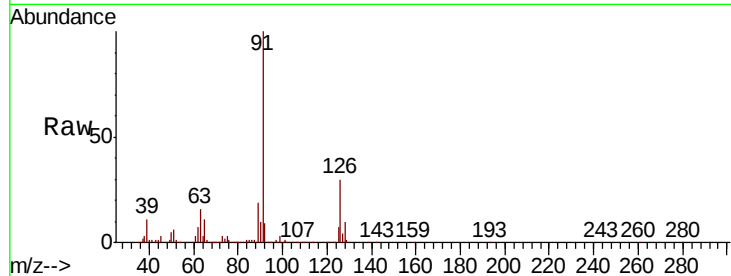
VL0831ABS01

Tgt Ion: 91 Resp: 4809165

Ion Ratio Lower Upper

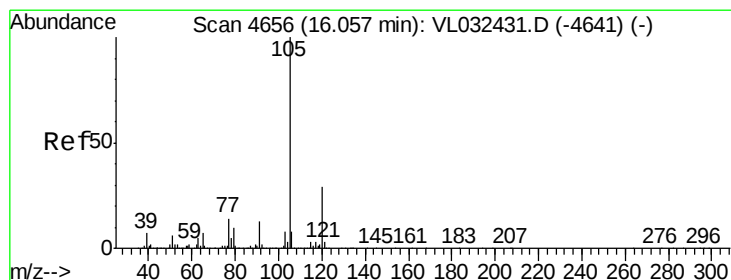
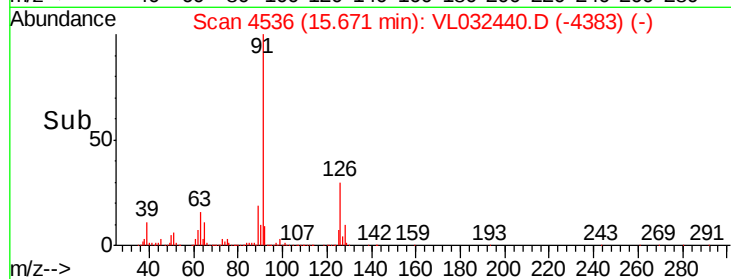
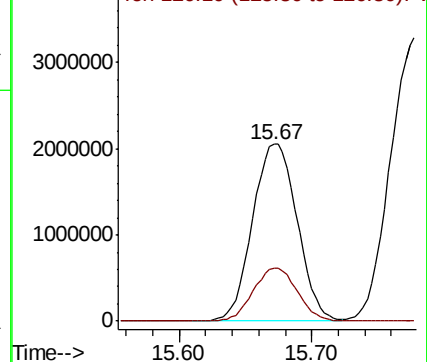
91 100

126 29.5 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.073 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Tgt Ion: 105 Resp: 5109214

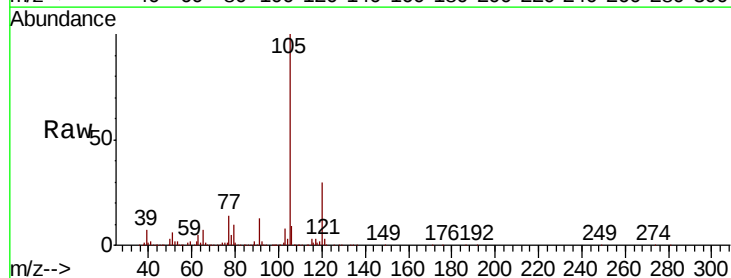
Ion Ratio Lower Upper

105 100

120 29.2 23.5 35.3

91 12.7 10.2 15.2

77 13.9 11.1 16.7

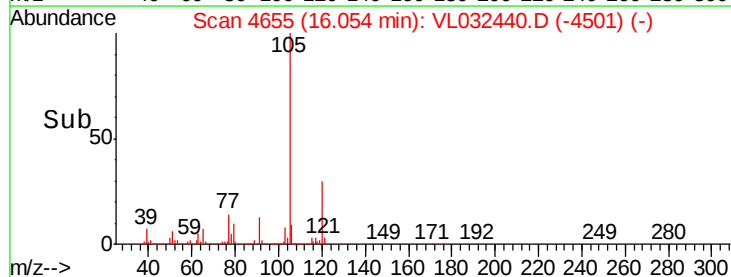
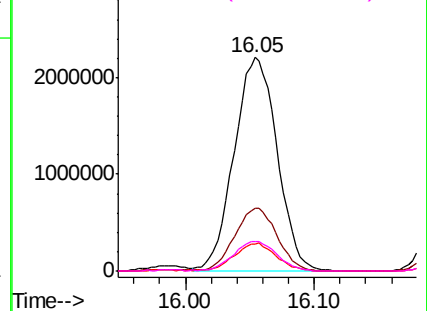


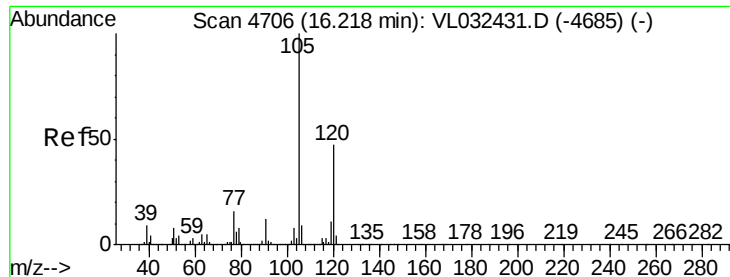
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.573 ppbv

RT: 16.21 min Scan# 4705

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

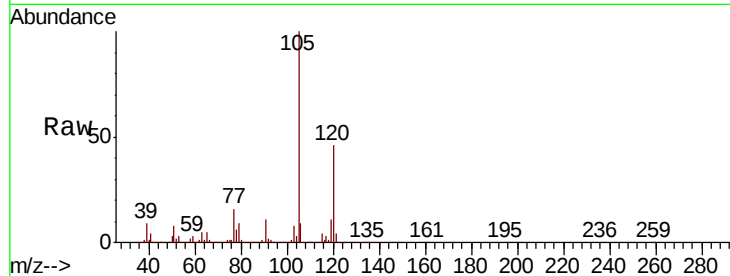
VL0831ABS01

Tgt Ion:105 Resp: 4836512

Ion Ratio Lower Upper

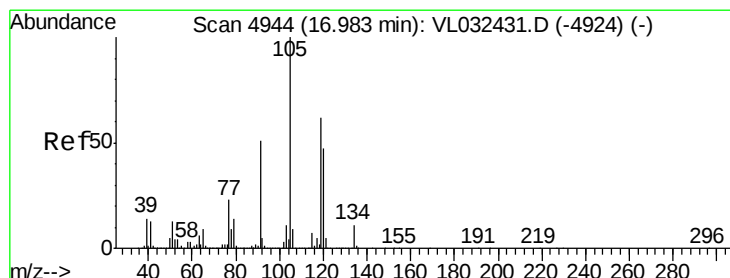
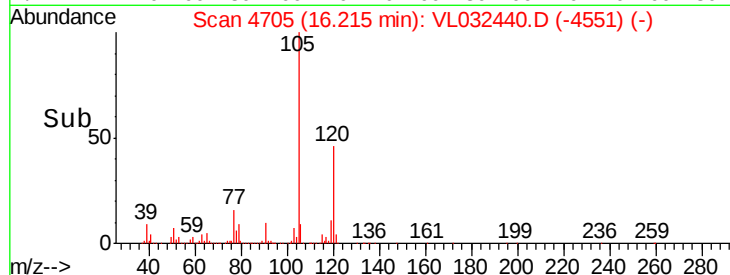
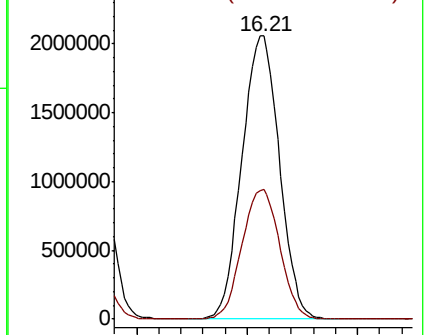
105 100

120 46.0 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: 7.874 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Tgt Ion:105 Resp: 4856303

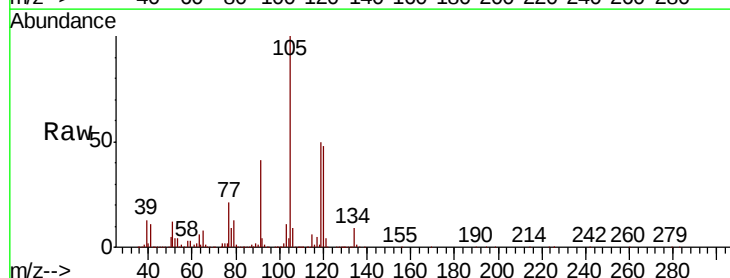
Ion Ratio Lower Upper

105 100

120 48.0 37.8 56.8

91 41.2 41.4 62.0#

77 21.0 18.6 28.0

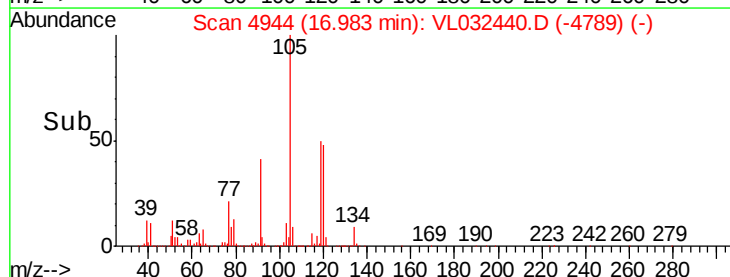
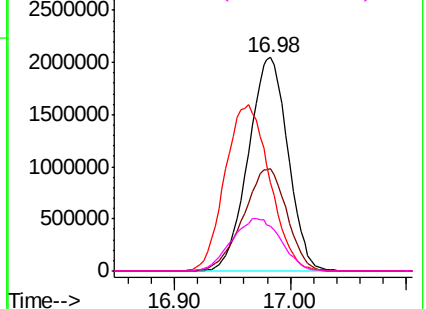


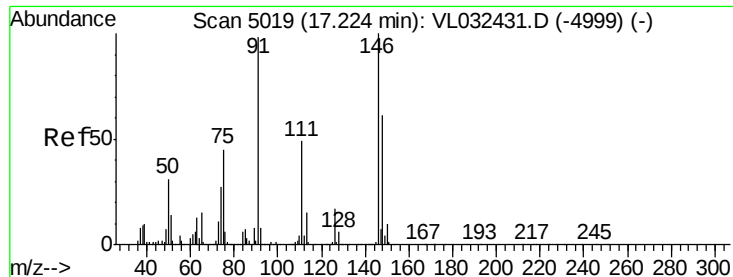
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.576 ppbv

RT: 17.22 min Scan# 5018

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

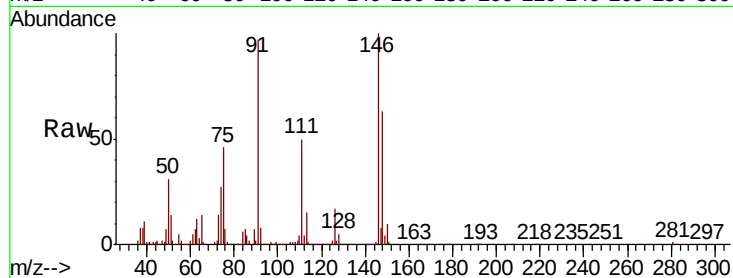
Tgt Ion:146 Resp: 2772466

Ion Ratio Lower Upper

146 100

111 48.5 24.5 73.5

148 63.3 32.0 96.2

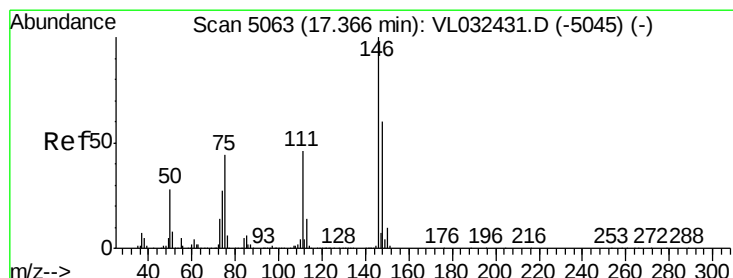
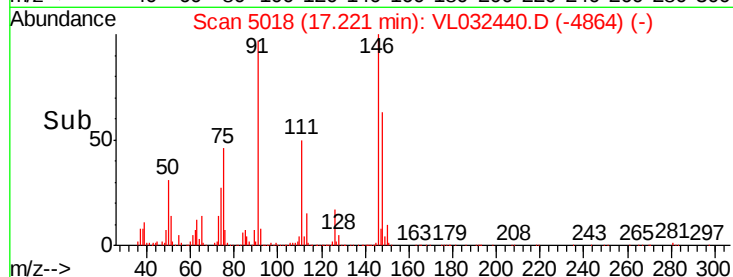
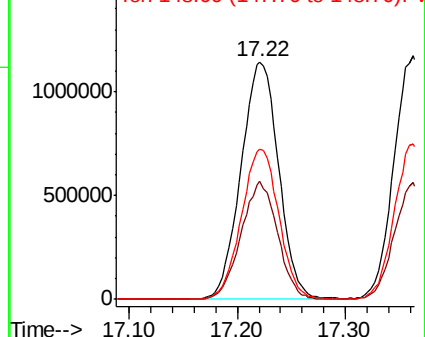


Abundance

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: 8.242 ppbv

RT: 17.36 min Scan# 5062

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

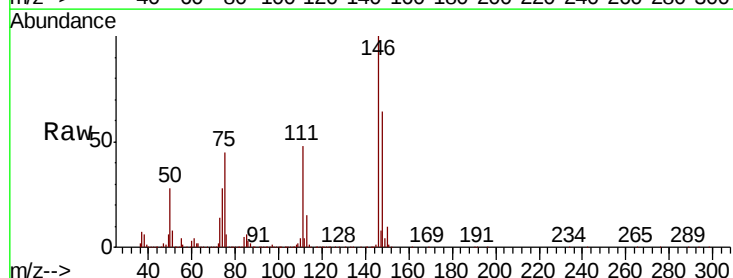
Tgt Ion:146 Resp: 2798656

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.2

148 63.9 32.0 96.2

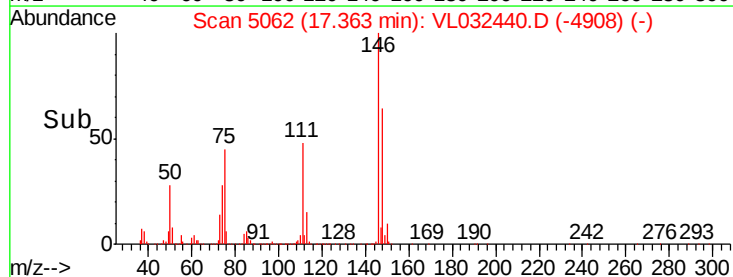
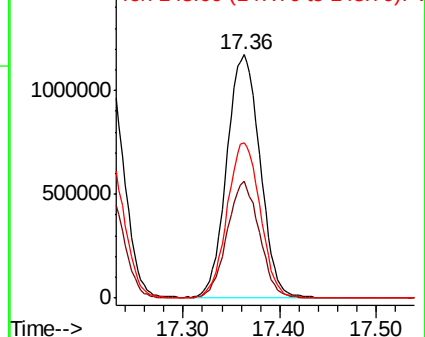


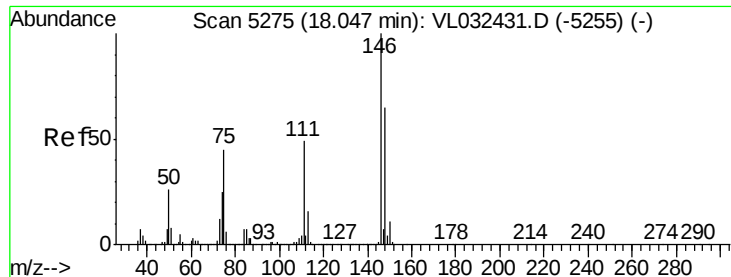
Abundance

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





#77

1,2-Dichlorobenzene

Concen: 7.880 ppbv

RT: 18.04 min Scan# 5274

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

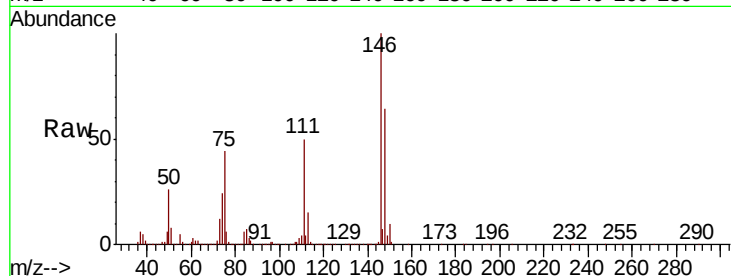
Tgt Ion:146 Resp: 2782353

Ion Ratio Lower Upper

146 100

111 49.7 24.9 74.8

148 63.1 32.0 96.0

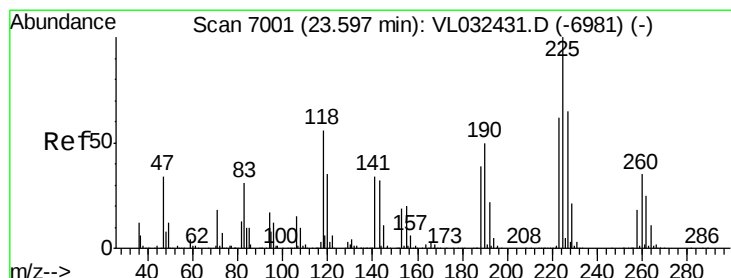
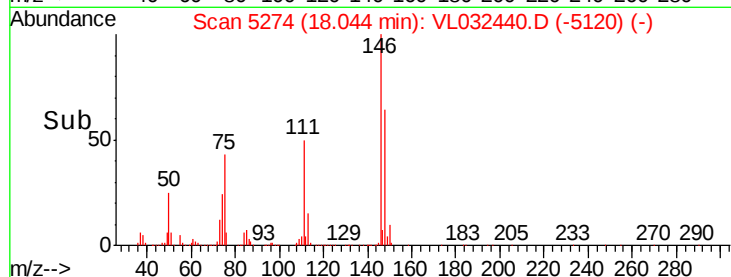
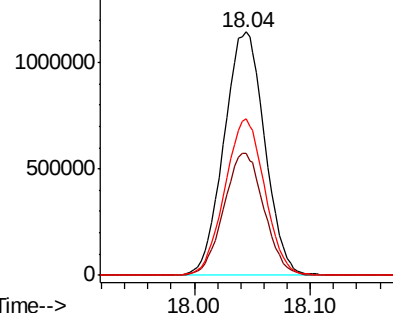


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 12.633 ppbv

RT: 23.59 min Scan# 7000

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

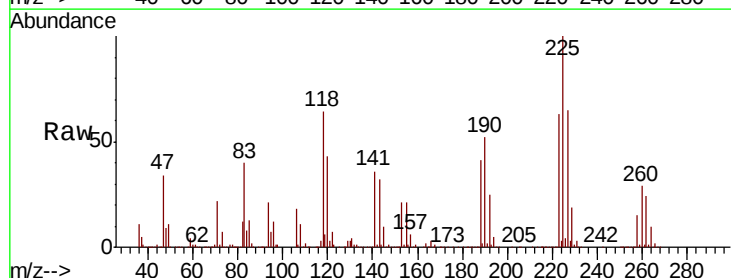
Tgt Ion:225 Resp: 1666751

Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 64.0 51.2 76.8

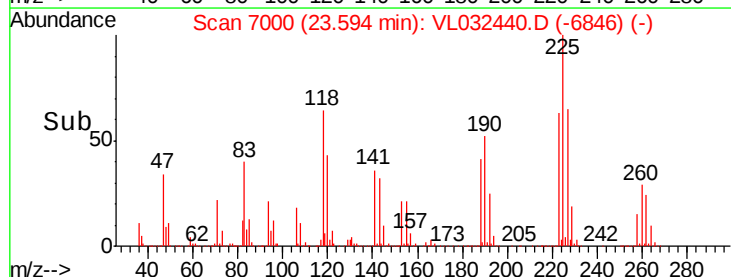
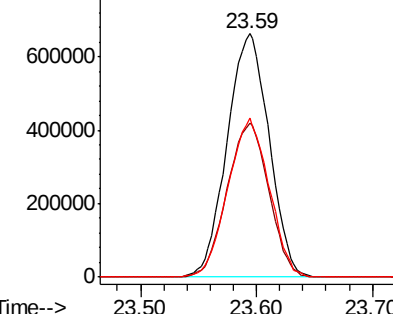


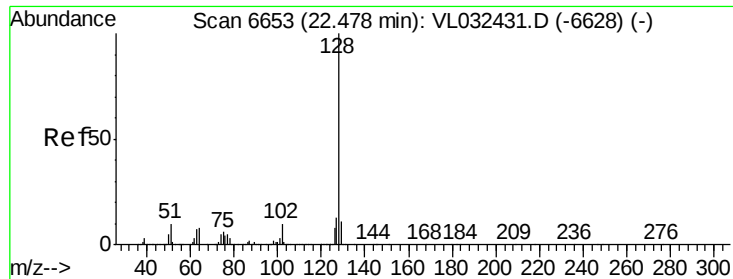
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.400 ppbv

RT: 22.47 min Scan# 6651

Delta R.T. -0.01 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

Instrument :

MSVOA_L

ClientSampleId :

VL0831ABS01

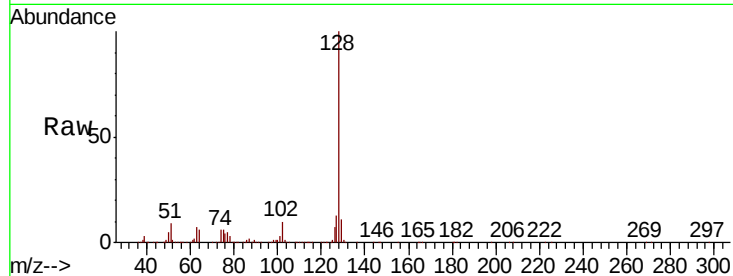
Tgt Ion:128 Resp: 4714524

Ion Ratio Lower Upper

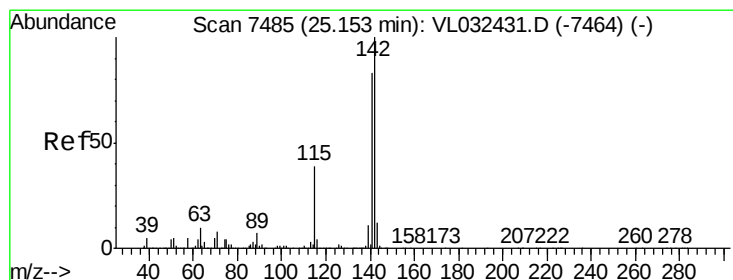
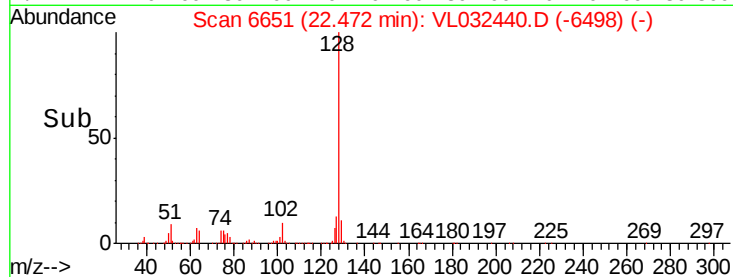
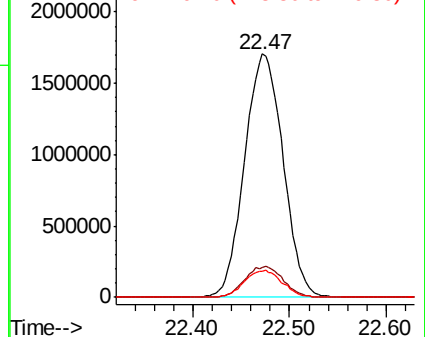
128 100

127 12.5 10.2 15.2

129 10.9 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: 13.477 ppbv

RT: 25.15 min Scan# 7484

Delta R.T. -0.00 min

Lab File: VL032440.D

Acq: 31 Aug 2018 14:02

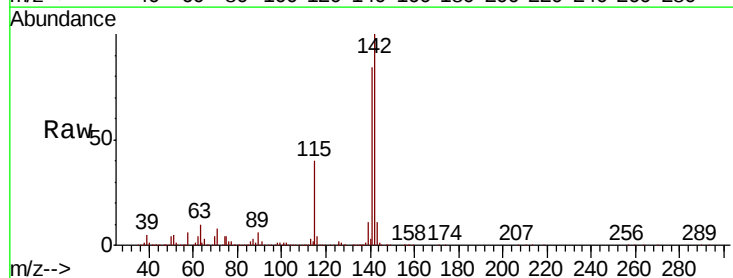
Tgt Ion:142 Resp: 1798626

Ion Ratio Lower Upper

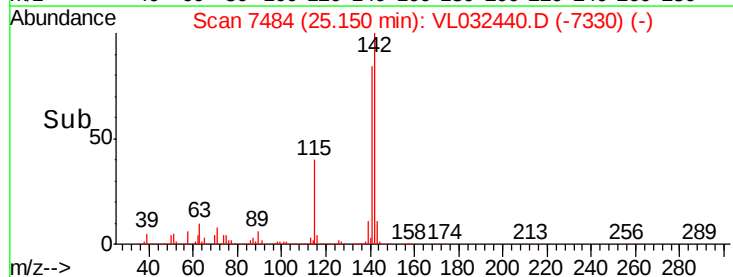
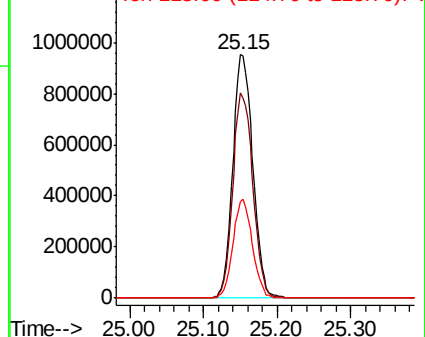
142 100

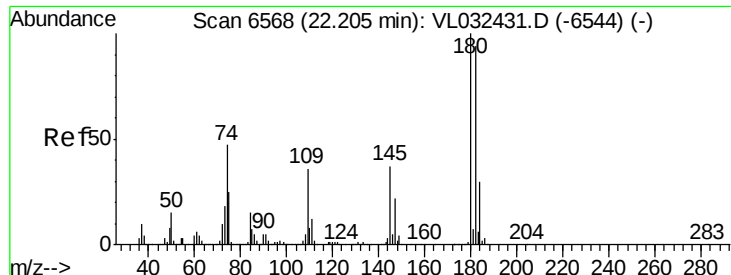
141 84.4 67.0 100.6

115 39.5 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: 8.810 ppbv
 RT: 22.20 min Scan# 6565
 Delta R.T. -0.01 min
 Lab File: VL032440.D
 Acq: 31 Aug 2018 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABS01

Tgt Ion:180 Resp: 2225493
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.1 114.1
 184 30.3 23.8 35.8

