

Data File : VL032381.D
Acq On : 16 Aug 2018 17:41
Operator : SY/AP
Sample : VL0816ABSD01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

Quant Time: Aug 17 03:17:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1623691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3670816	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4339948	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2768022	8.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1585761	12.256	ppbv	99
3) Chlorodifluoromethane	3.05	51	1483456	9.862	ppbv	98
4) Chloromethane	3.21	50	879888	9.829	ppbv	100
5) Vinyl Chloride	3.33	62	853706	10.005	ppbv	96
6) Bromomethane	3.55	94	478345	10.456	ppbv	100
7) Chloroethane	3.64	64	304009	10.160	ppbv	91
8) Dichlorotetrafluoroethane	3.26	85	1819256	9.915	ppbv	99
9) Propene	3.07	41	680726	10.575	ppbv	99
10) Heptane	8.31	43	2398647	12.372	ppbv	100
11) Trichlorofluoromethane	4.05	101	1880231	10.354	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1243514	10.169	ppbv	98
13) Ethanol	3.69	45	190271	11.509	ppbv	98
14) Bromoethene	3.83	108	559301	10.575	ppbv	99
15) Acetone	3.95	43	1451603	9.410	ppbv	98
16) 1,3-Butadiene	3.40	39	716667	11.252	ppbv	87
17) tert-Butyl alcohol	4.40	59	301232	11.637	ppbv	97
18) 1,1-Dichloroethene	4.40	96	592536	10.399	ppbv	100
19) Isopropyl Alcohol	4.07	45	1194606	11.500	ppbv #	99
20) Methylene Chloride	4.45	84	521798	8.956	ppbv	93
21) Allyl Chloride	4.53	41	1082509	11.118	ppbv	95
22) trans-1,2-Dichloroethene	5.02	96	596529	10.382	ppbv	95
23) Vinyl Acetate	5.21	43	2698072	10.128	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1879865	9.774	ppbv	99
25) Ethyl Acetate	5.82	43	3278015	9.915	ppbv	100
26) Hexane	5.84	57	1481221	10.050	ppbv	98
27) Carbon Disulfide	4.67	76	1544891	11.230	ppbv	98
28) Methyl tert-Butyl Ether	5.16	73	2175011	11.120	ppbv	98
29) Chloroform	5.91	83	2235870	10.352	ppbv	98
30) Cyclohexane	7.31	84	1316054	11.722	ppbv	99
31) cis-1,2-Dichloroethene	5.70	61	1692294	11.737	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2164286	10.297	ppbv	99
34) 2-Butanone	5.38	43	2518147	10.079	ppbv	98
35) Carbon Tetrachloride	7.20	117	2333126	10.779	ppbv	99
36) Benzene	7.07	78	3088367	9.924	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1959588	10.378	ppbv	98
38) Trichloroethene	8.03	130	1078460	9.880	ppbv	99
39) 1,2-Dichloropropane	7.80	63	1280029	9.846	ppbv	98
40) 1,4-Dioxane	8.02	88	454754	11.516	ppbv	95
41) Tetrahydrofuran	6.21	42	1462955	10.908	ppbv	100
42) Bromodichloromethane	7.98	83	2588619	10.471	ppbv	96
43) Methyl Methacrylate	8.20	69	1483030	11.959	ppbv	99

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Quant Time: Aug 17 03:17:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	5631872	10.036	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1856043	11.834	ppbv	99
46) cis-1,3-Dichloropropene	8.90	75	2186462	11.624	ppbv	95
47) 1,1,2-Trichloroethane	9.68	97	1236739	8.644	ppbv	95
48) Dibromochloromethane	10.52	129	1980234	10.352	ppbv	99
49) Bromoform	13.28	173	1624549	10.225	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	3764418	10.433	ppbv	100
51) 2-Hexanone	10.34	43	2793458	11.025	ppbv #	99
52) Tetrachloroethene	11.44	164	917594	9.997	ppbv	98
53) Toluene	10.02	91	3521850	10.323	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1851786	10.076	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.35	131	1412254	7.866	ppbv #	58
57) Chlorobenzene	12.37	112	2545982	7.793	ppbv	95
58) Ethyl Benzene	12.94	91	4748074	9.093	ppbv	98
59) m/p-Xylene	13.22	91	4220496	9.515	ppbv #	47
60) o-Xylene	13.92	91	3694096	8.473	ppbv	99
61) Styrene	13.76	104	2859718	9.385	ppbv	98
62) Isopropylbenzene	14.90	105	5261161	8.478	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2772528	7.563	ppbv	100
64) n-propylbenzene	15.79	120	1390903	8.660	ppbv	93
65) tert-Butylbenzene	16.98	119	4286287	8.085	ppbv	99
66) Benzyl Chloride	17.23	91	2883996	9.188	ppbv	98
67) sec-Butylbenzene	17.53	105	6458539	8.193	ppbv	99
69) p-Isopropyltoluene	17.88	119	5411778	8.970	ppbv	99
70) n-Butylbenzene	18.78	91	5912138	8.938	ppbv	99
71) 2-Chlorotoluene	15.69	91	4355730	9.069	ppbv	99
72) 4-Ethyltoluene	16.07	105	4511789	9.278	ppbv	99
73) 1,3,5-Trimethylbenzene	16.22	105	4280876	9.153	ppbv	97
74) 1,2,4-Trimethylbenzene	17.00	105	4056141	8.150	ppbv	98
75) 1,3-Dichlorobenzene	17.24	146	2241957	7.496	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2295149	8.102	ppbv	99
77) 1,2-Dichlorobenzene	18.06	146	2351294	8.228	ppbv	99
78) Hexachloro-1,3-Butadiene	23.60	225	779667	8.128	ppbv	99
79) Naphthalene	22.49	128	4085037	8.817	ppbv	99
80) Naphthalene,2-methyl-	25.16	142	1647223	16.590	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	1873543	9.735	ppbv	98

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

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Misc        : 400ml/MSVOA_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

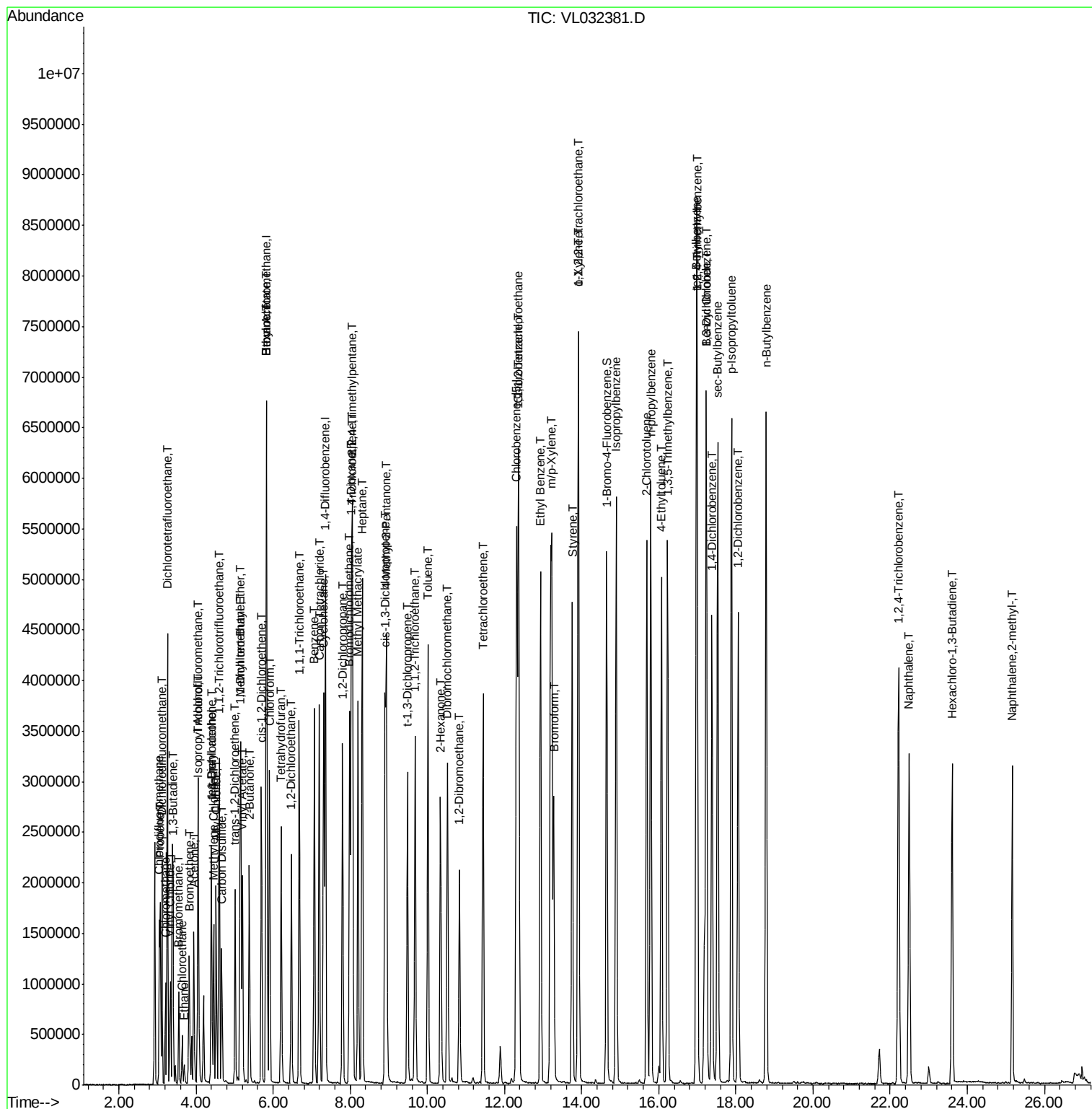
Quant Time: Aug 17 03:17:56 2018

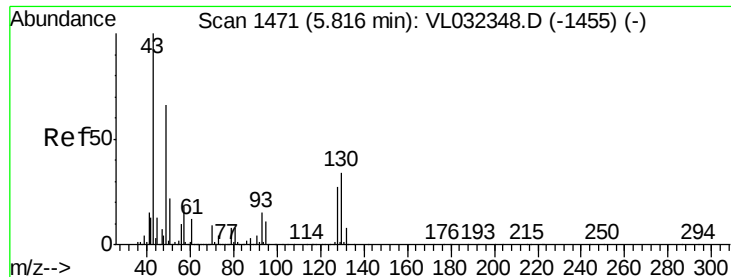
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081518AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018

QLast Update : Wed Aug 15 14:58:02 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

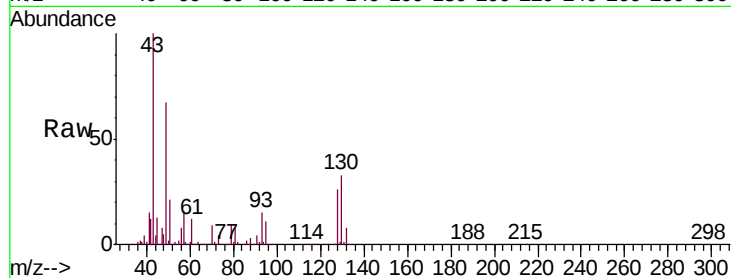
Tgt Ion: 49 Resp: 1623691

Ion Ratio Lower Upper

49 100

128 39.8 20.5 61.6

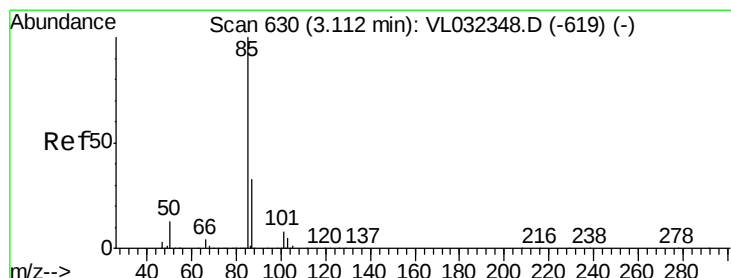
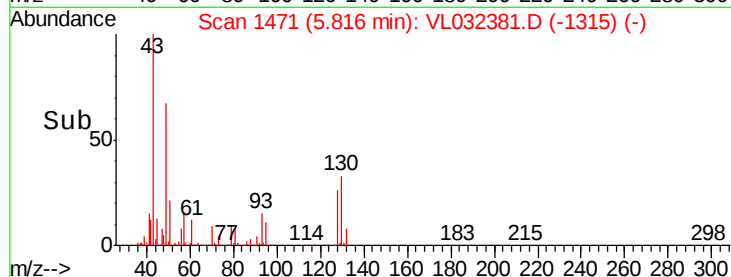
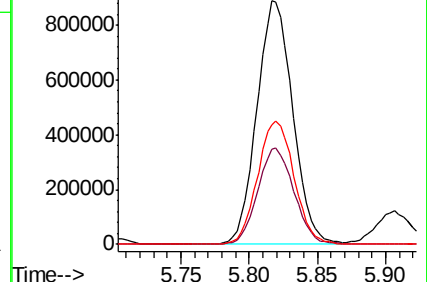
130 51.8 26.2 78.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 12.256 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032381.D

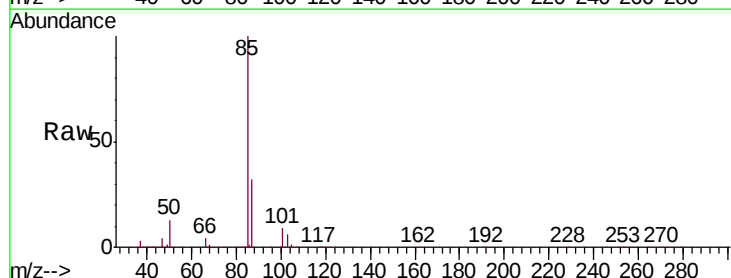
Acq: 16 Aug 2018 17:41

Tgt Ion: 85 Resp: 1585761

Ion Ratio Lower Upper

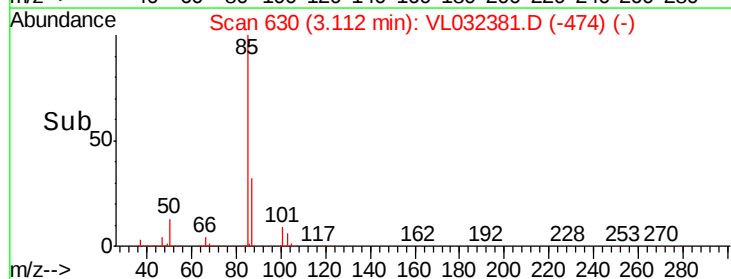
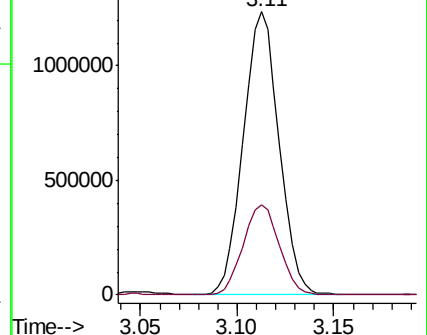
85 100

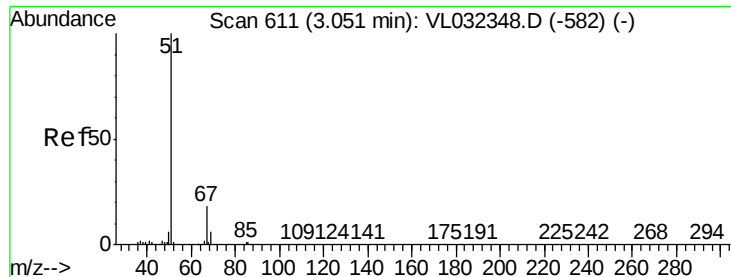
87 32.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.862 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

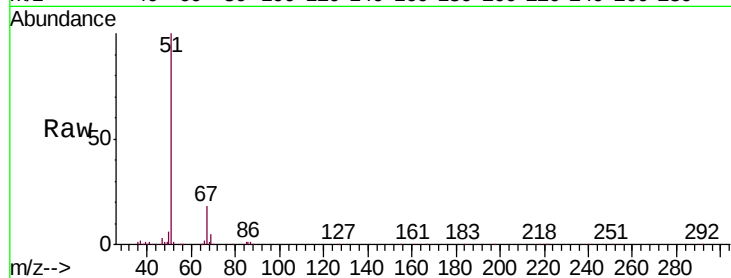
VL0816ABSD01

Tgt Ion: 51 Resp: 1483456

Ion Ratio Lower Upper

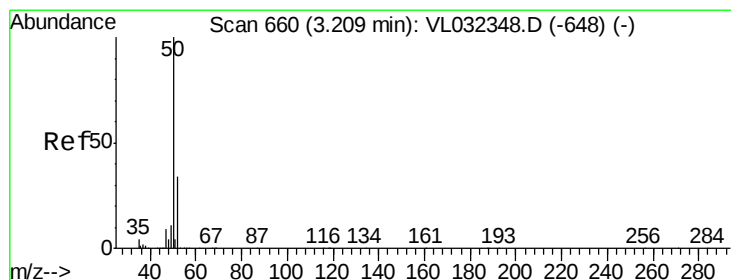
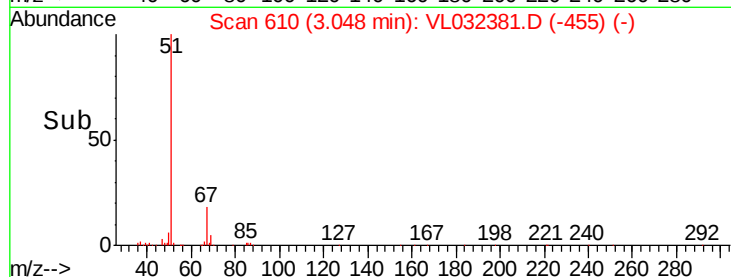
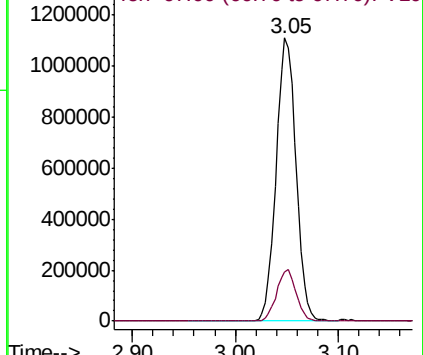
51 100

67 17.9 13.7 20.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.829 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032381.D

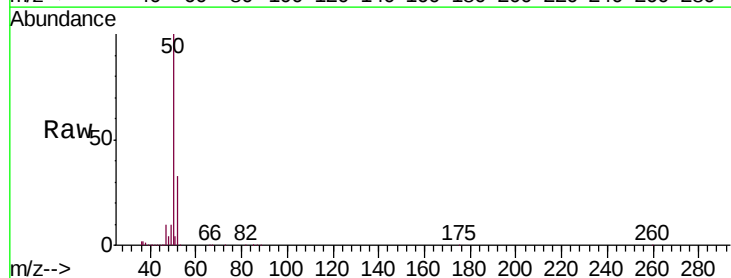
Acq: 16 Aug 2018 17:41

Tgt Ion: 50 Resp: 879888

Ion Ratio Lower Upper

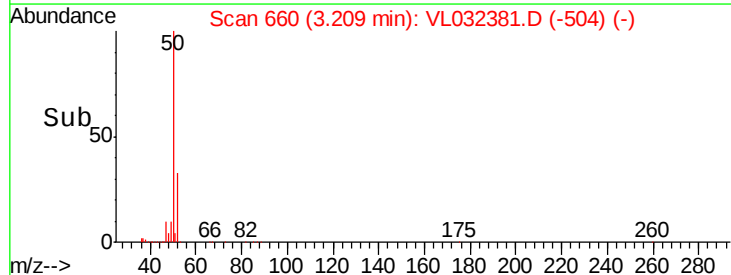
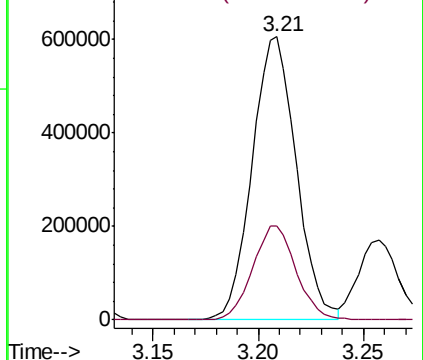
50 100

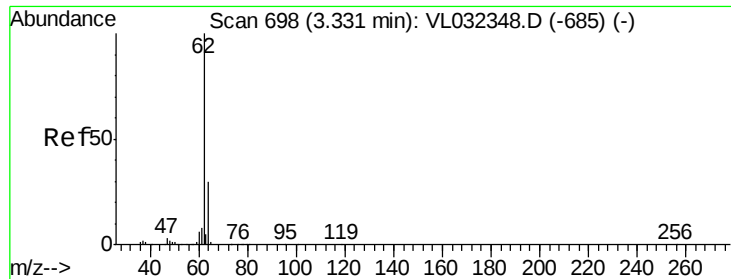
52 33.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.005 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

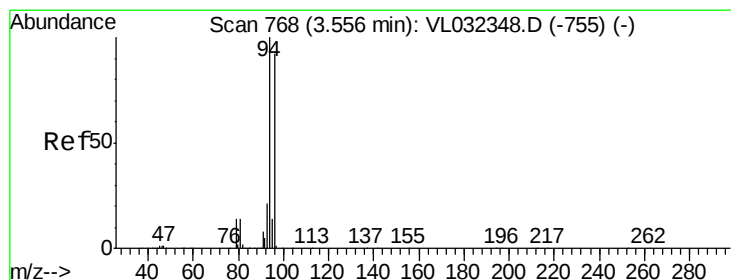
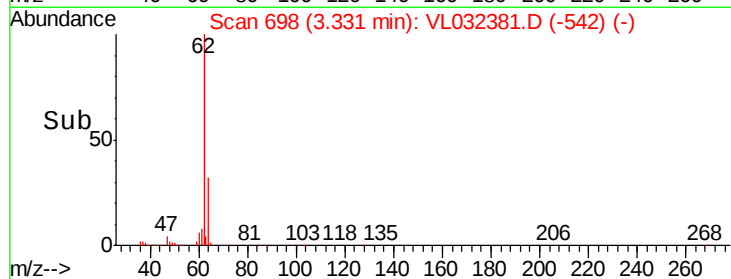
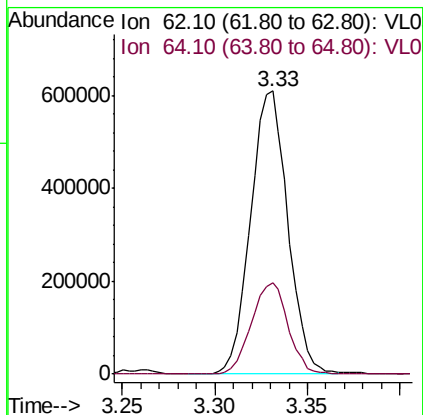
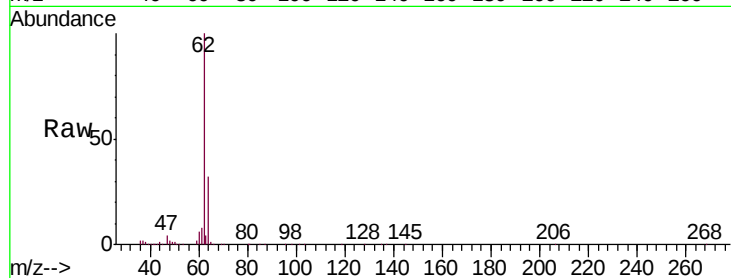
VL0816ABSD01

Tgt Ion: 62 Resp: 853706

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.2



#6

Bromomethane

Concen: 10.456 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032381.D

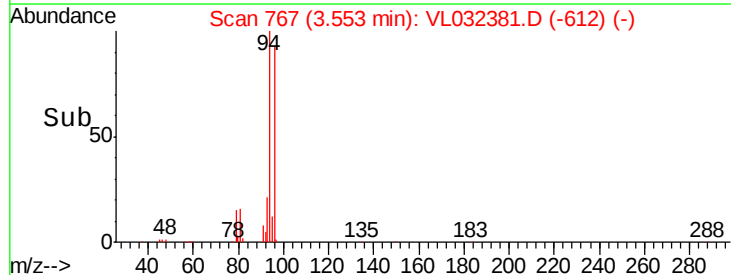
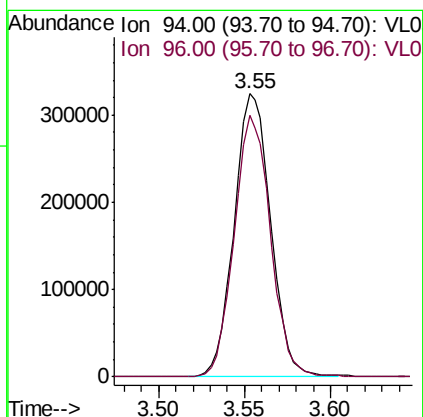
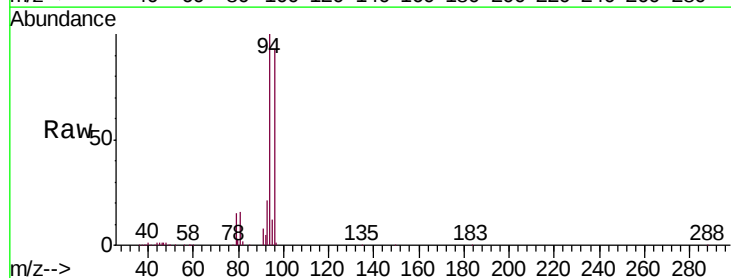
Acq: 16 Aug 2018 17:41

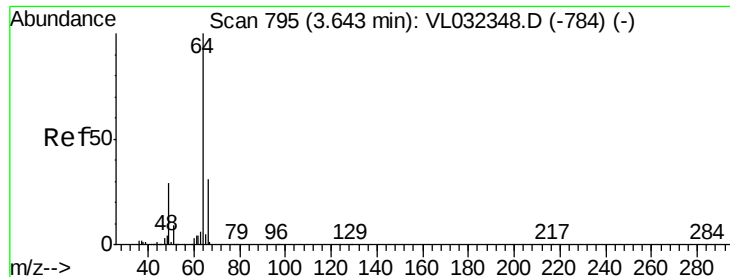
Tgt Ion: 94 Resp: 478345

Ion Ratio Lower Upper

94 100

96 92.5 73.7 110.5





#7

Chloroethane

Concen: 10.160 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

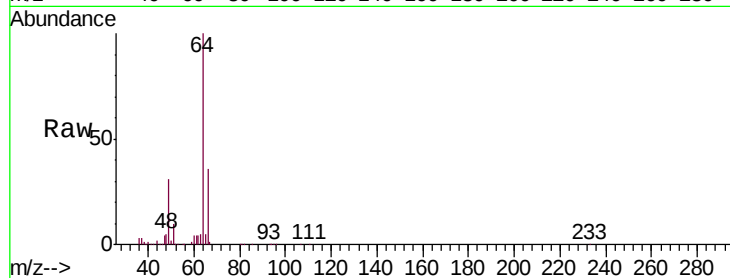
VL0816ABSD01

Tgt Ion: 64 Resp: 304009

Ion Ratio Lower Upper

64 100

66 35.6 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.64

200000

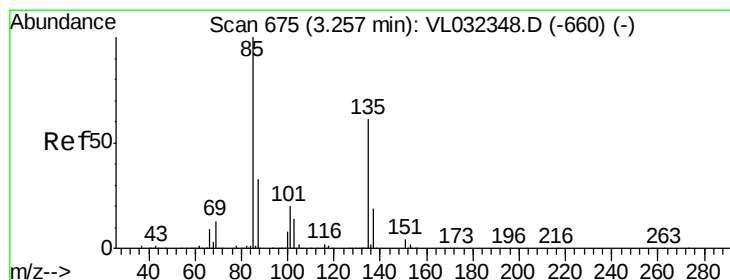
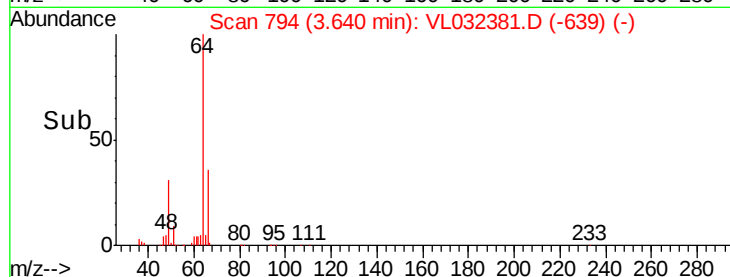
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.915 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032381.D

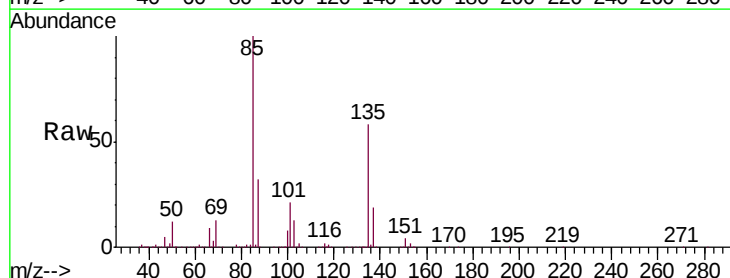
Acq: 16 Aug 2018 17:41

Tgt Ion: 85 Resp: 1819256

Ion Ratio Lower Upper

85 100

135 60.2 49.0 73.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.26

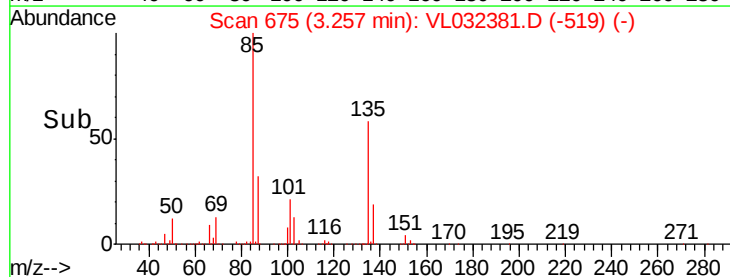
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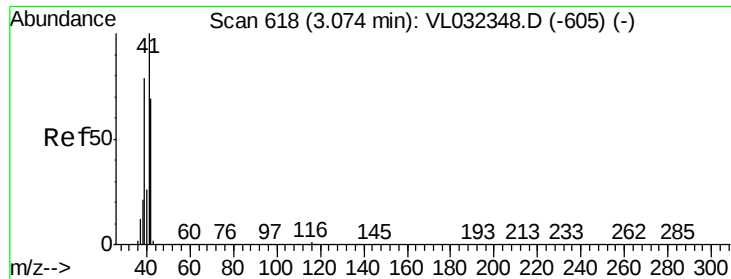
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Time-->





#9

Propene

Concen: 10.575 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

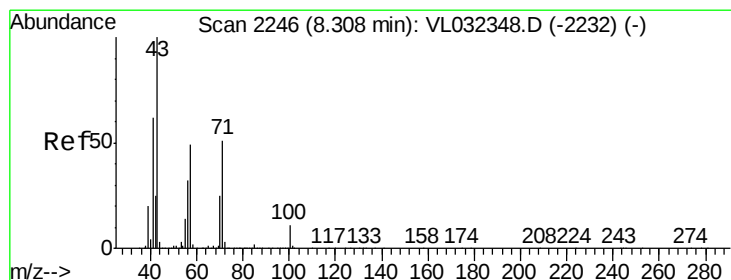
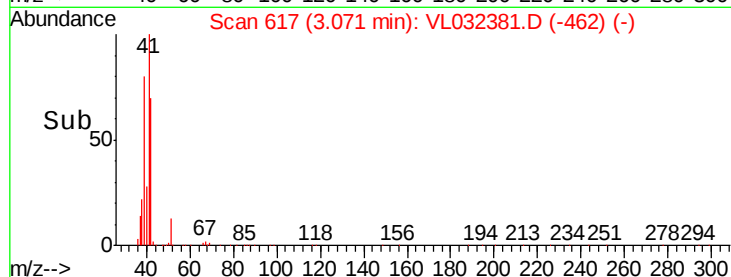
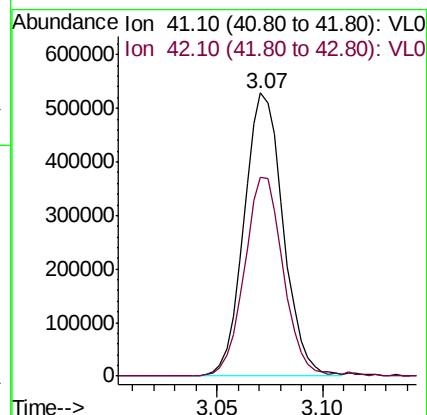
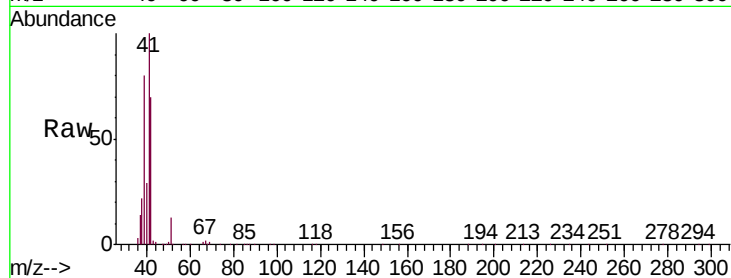
VL0816ABSD01

Tgt Ion: 41 Resp: 680726

Ion Ratio Lower Upper

41 100

42 70.4 55.9 83.9



#10

Heptane

Concen: 12.372 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032381.D

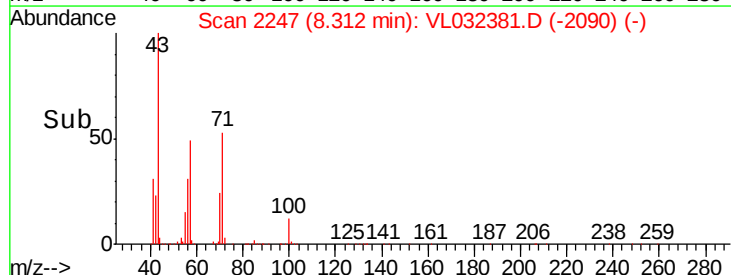
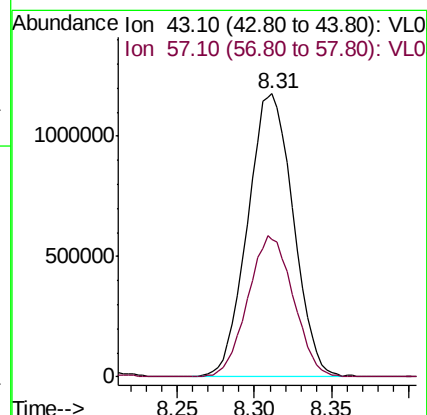
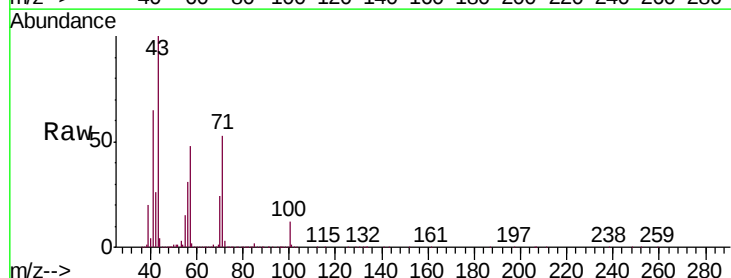
Acq: 16 Aug 2018 17:41

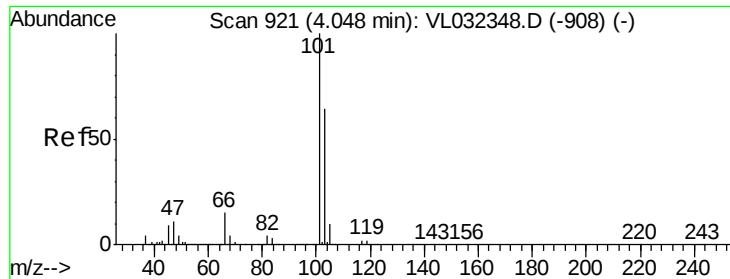
Tgt Ion: 43 Resp: 2398647

Ion Ratio Lower Upper

43 100

57 49.7 39.5 59.3

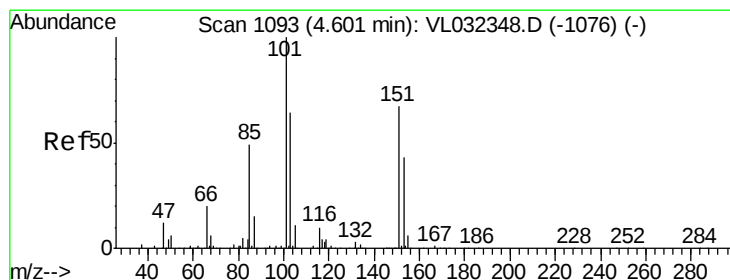
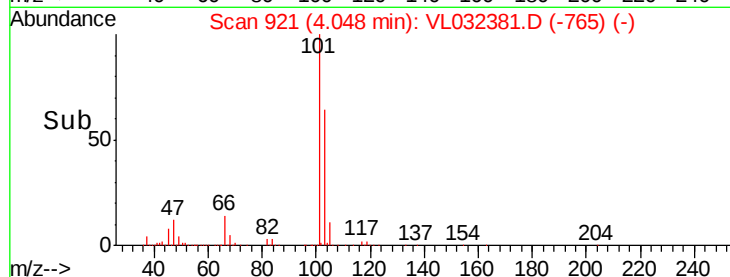
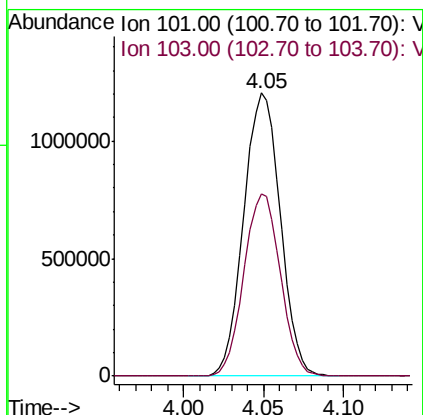
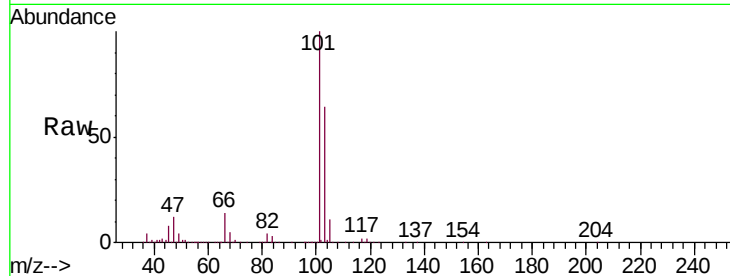




#11
 Trichlorofluoromethane
 Concen: 10.354 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

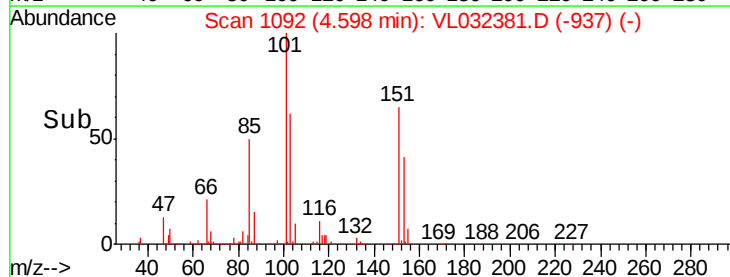
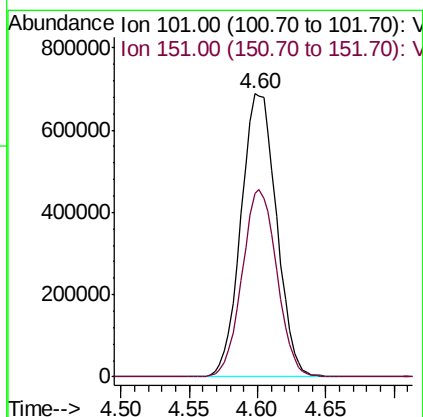
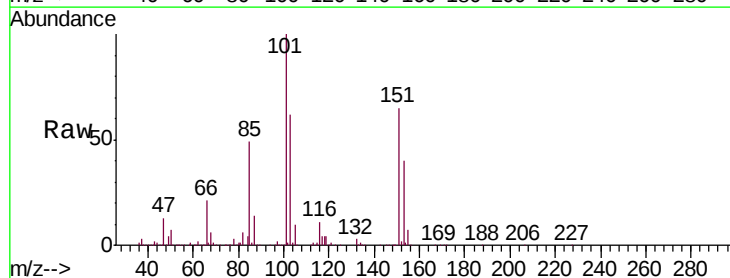
Instrument :
 MSVOA_L
 ClientSampleID :
 VL0816ABSD01

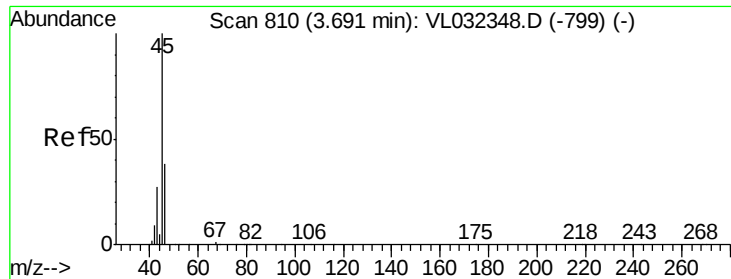
Tgt Ion:101 Resp: 1880231
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.169 ppbv
 RT: 4.60 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion:101 Resp: 1243514
 Ion Ratio Lower Upper
 101 100
 151 65.0 53.1 79.7





#13

Ethanol

Concen: 11.509 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

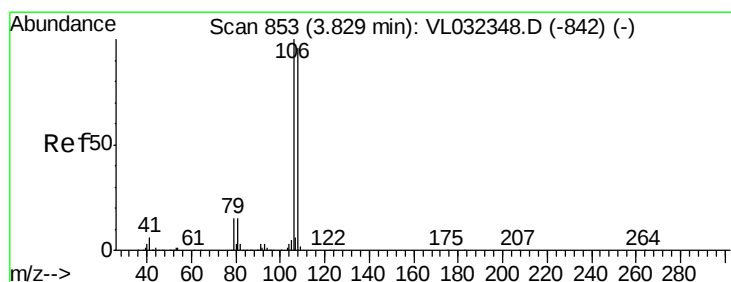
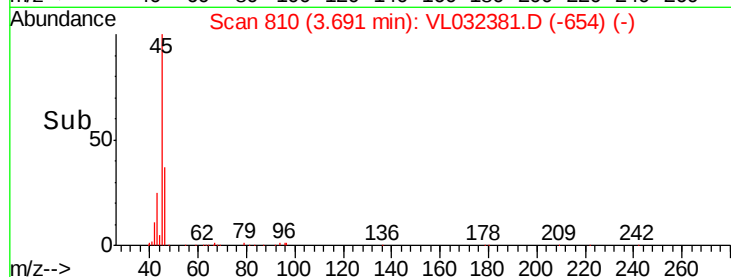
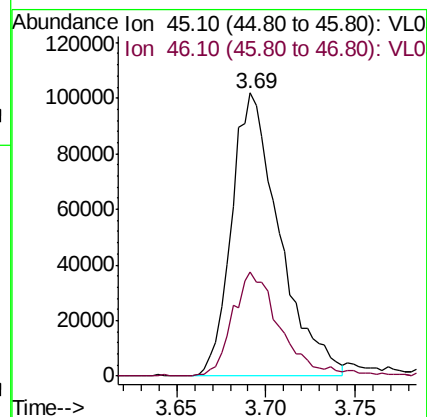
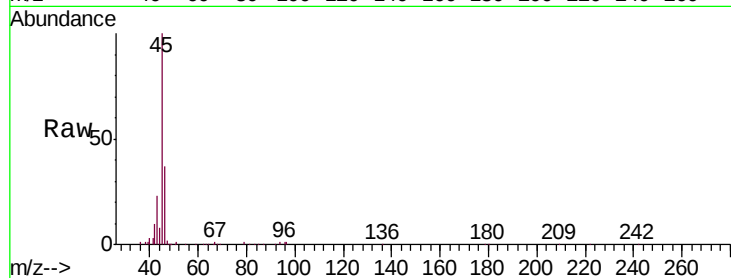
VL0816ABSD01

Tgt Ion: 45 Resp: 190271

Ion Ratio Lower Upper

45 100

46 37.6 15.6 62.4



#14

Bromoethene

Concen: 10.575 ppbv

RT: 3.83 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

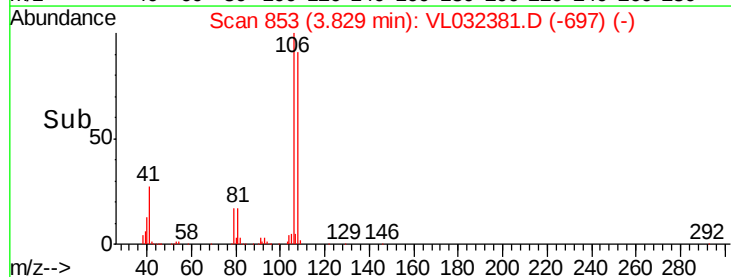
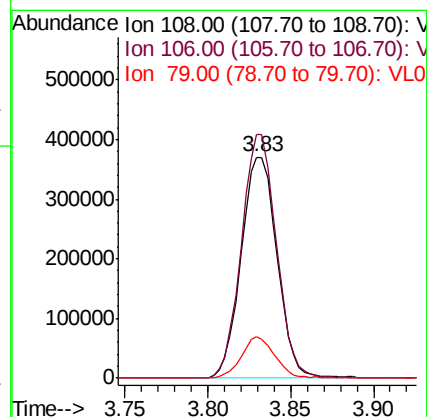
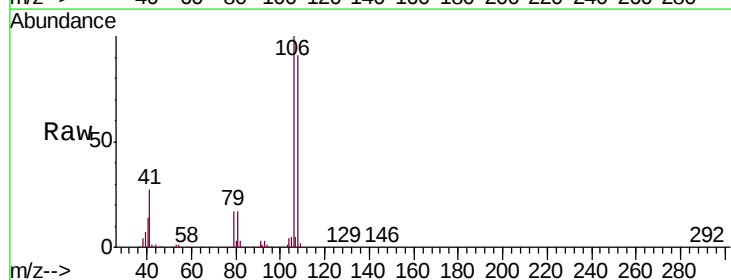
Tgt Ion: 108 Resp: 559301

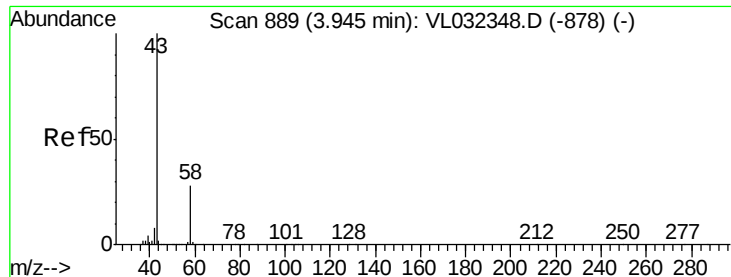
Ion Ratio Lower Upper

108 100

106 107.5 85.7 128.5

79 17.6 13.1 19.7





#15

Acetone

Concen: 9.410 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

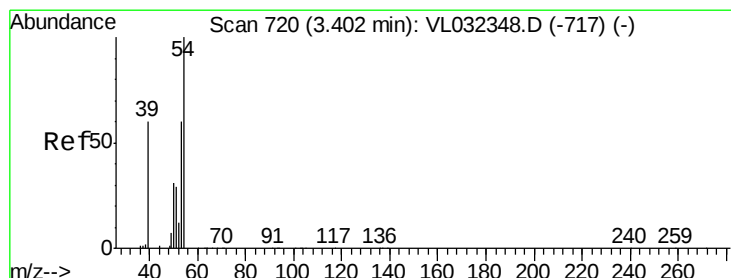
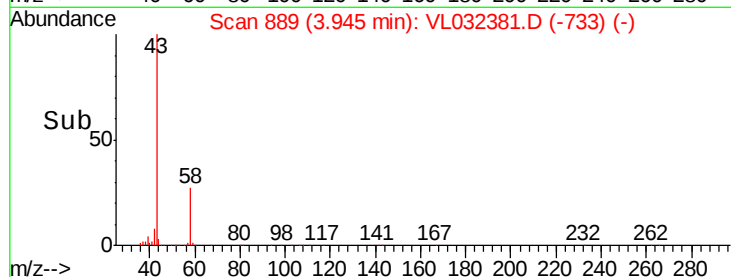
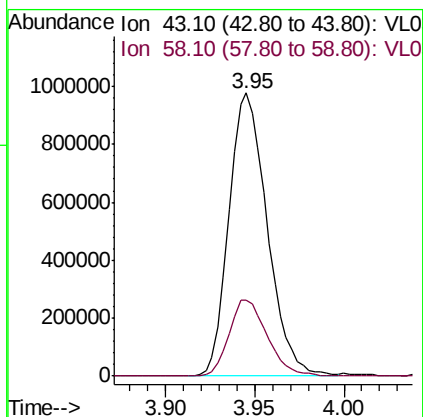
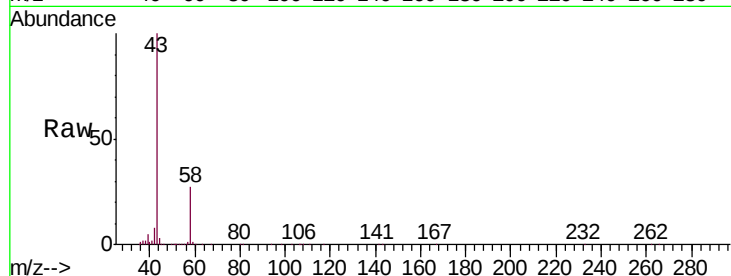
VL0816ABSD01

Tgt Ion: 43 Resp: 1451603

Ion Ratio Lower Upper

43 100

58 27.1 22.4 33.6



#16

1,3-Butadiene

Concen: 11.252 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032381.D

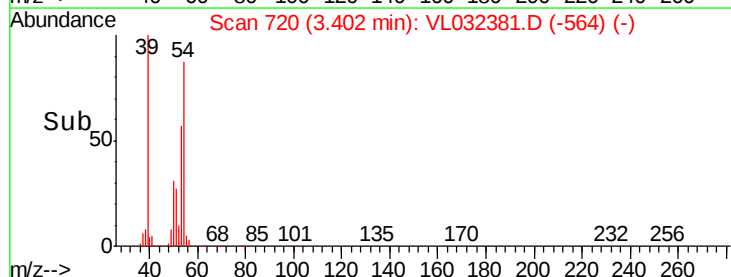
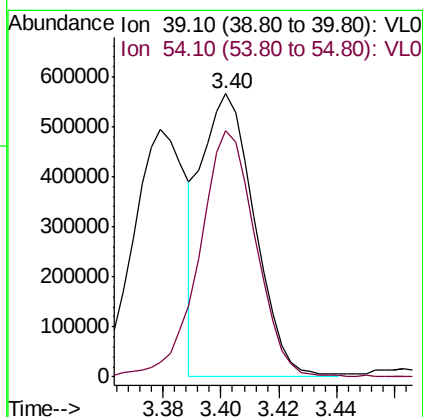
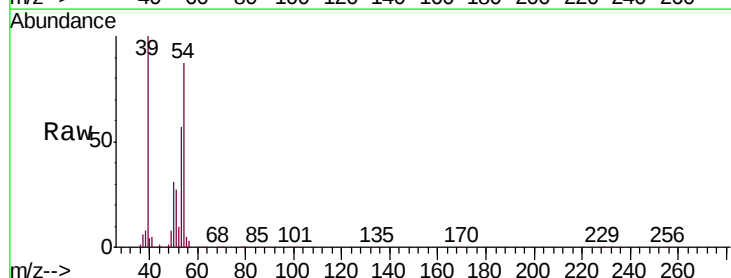
Acq: 16 Aug 2018 17:41

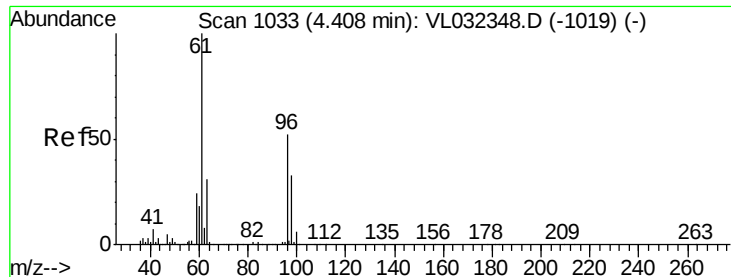
Tgt Ion: 39 Resp: 716667

Ion Ratio Lower Upper

39 100

54 93.4 85.5 128.3

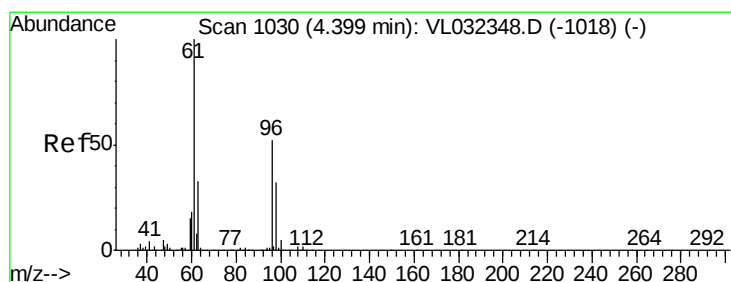
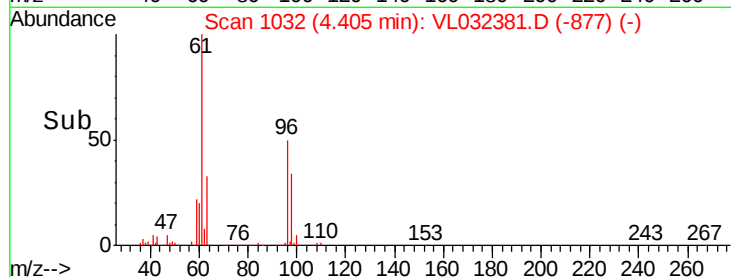
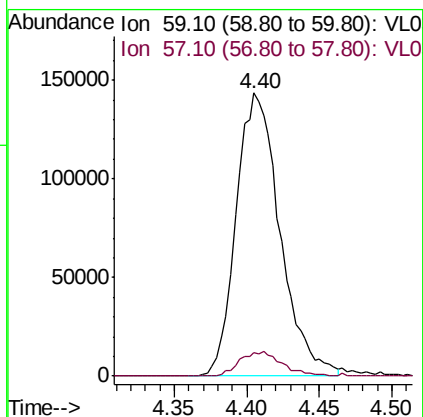
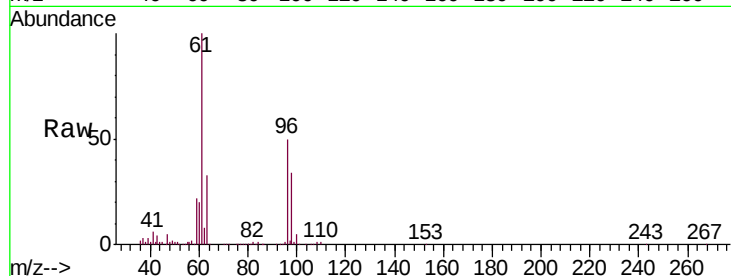




#17
 tert-Butyl alcohol
 Concen: 11.637 ppbv
 RT: 4.40 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

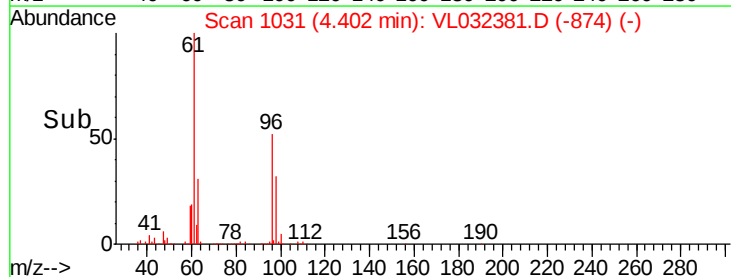
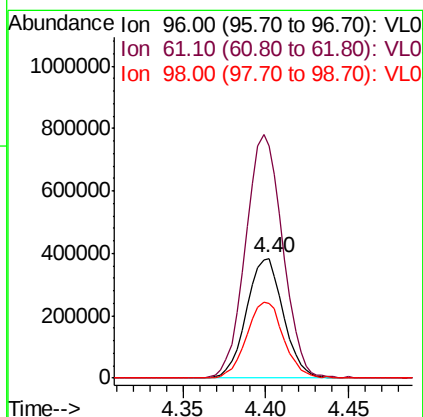
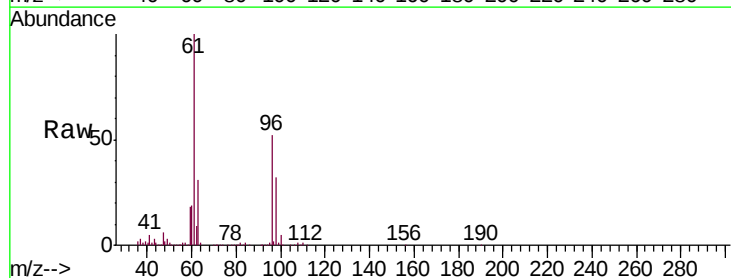
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

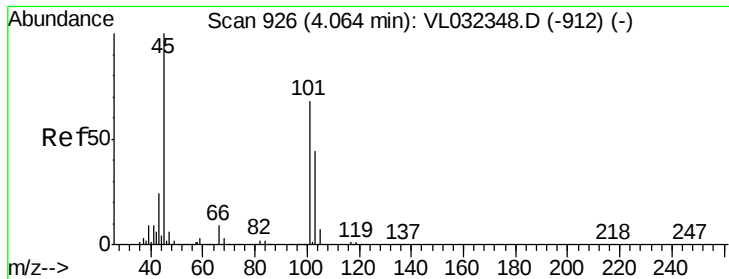
Tgt Ion: 59 Resp: 301232
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.6 11.4



#18
 1,1-Dichloroethene
 Concen: 10.399 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 96 Resp: 592536
 Ion Ratio Lower Upper
 96 100
 61 193.8 154.6 231.8
 98 62.0 50.1 75.1



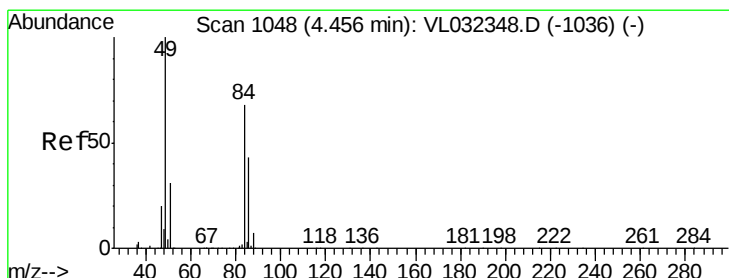
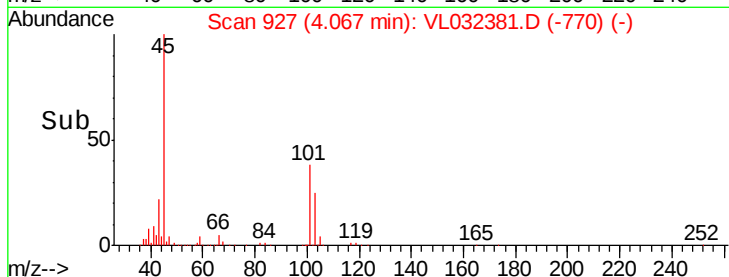
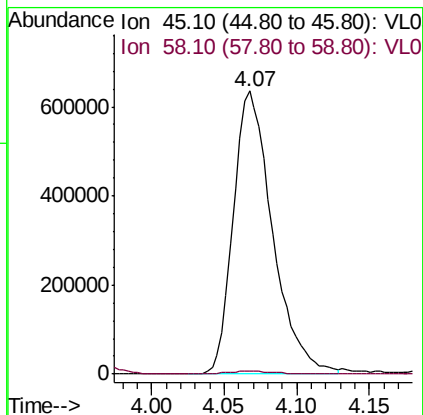
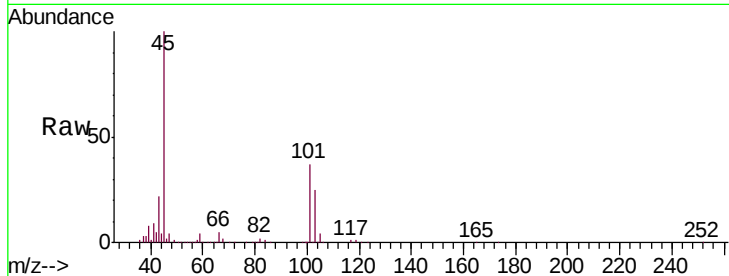


#19

Isopropyl Alcohol
 Concen: 11.500 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

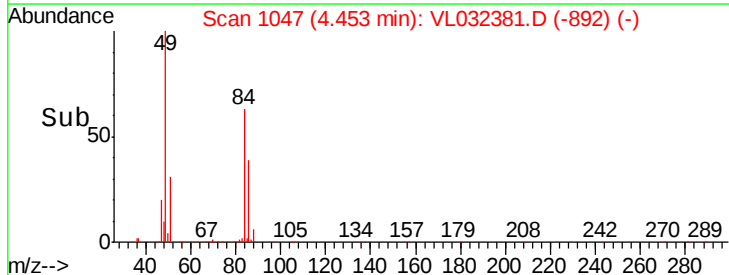
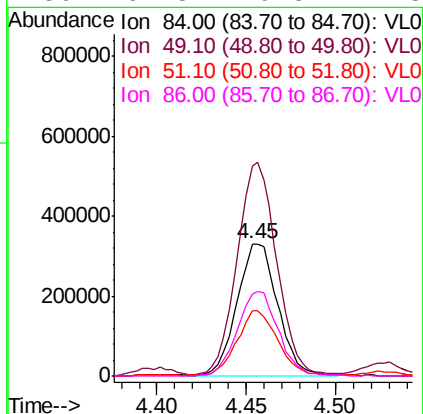
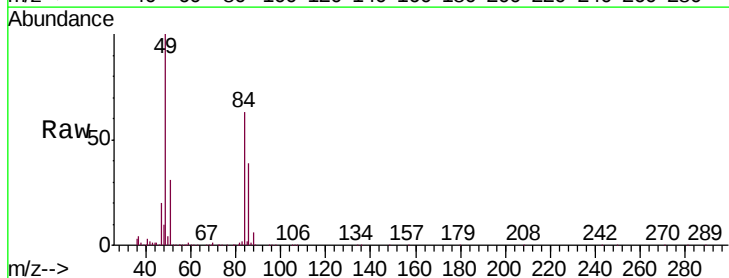
Tgt Ion: 45 Resp: 1194606
 Ion Ratio Lower Upper
 45 100
 58 1.4 1.4 2.0#

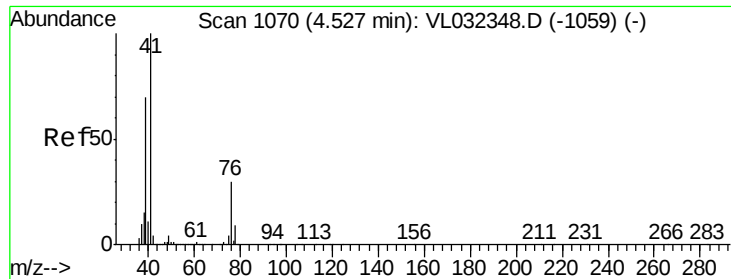


#20

Methylene Chloride
 Concen: 8.956 ppbv
 RT: 4.45 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 84 Resp: 521798
 Ion Ratio Lower Upper
 84 100
 49 158.6 117.3 175.9
 51 48.9 36.6 55.0
 86 61.8 49.8 74.8

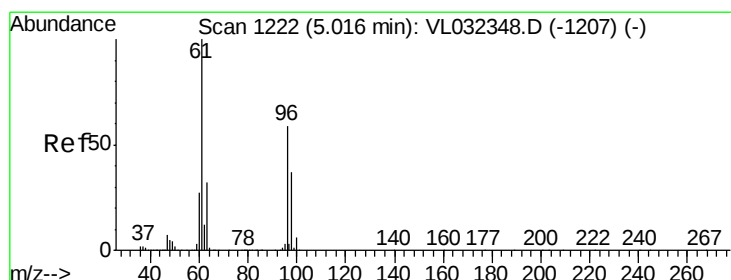
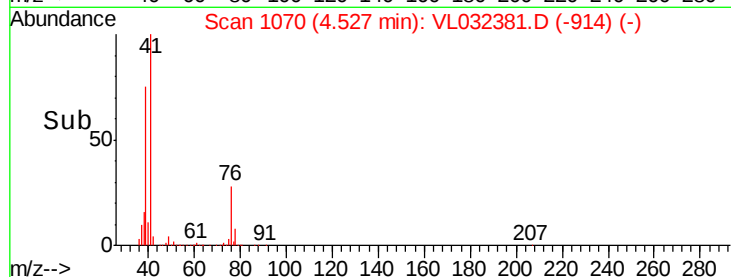
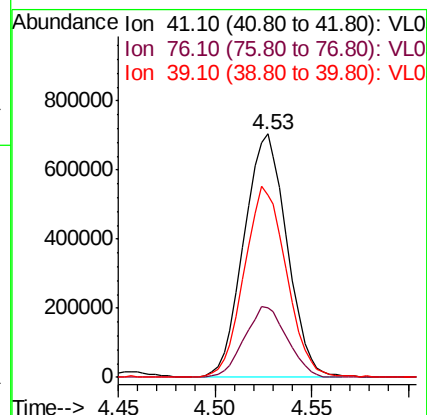
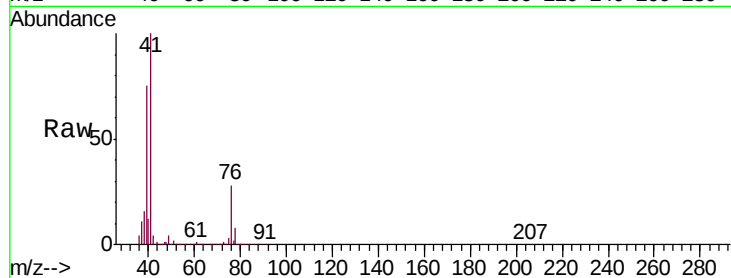




#21
 Allyl Chloride
 Concen: 11.118 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

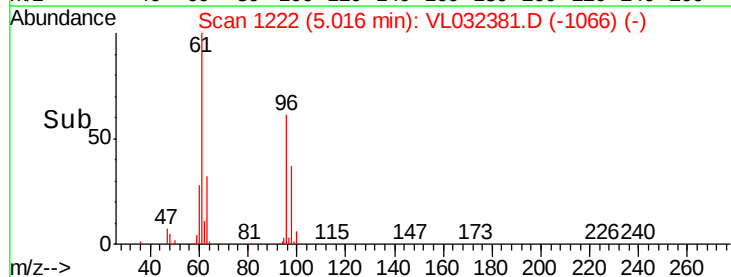
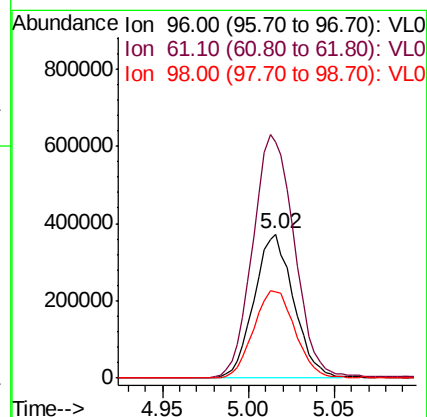
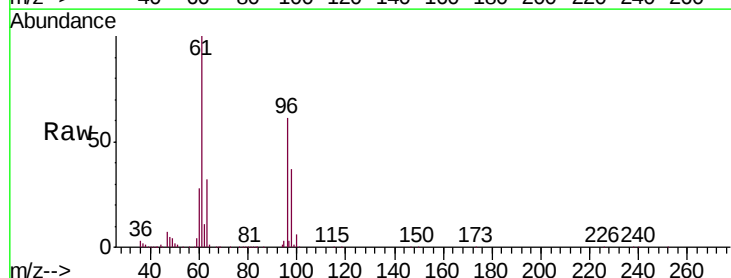
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

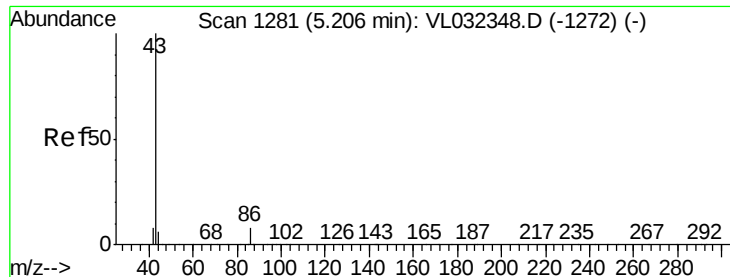
Tgt Ion: 41 Resp: 1082509
 Ion Ratio Lower Upper
 41 100
 76 29.2 22.9 34.3
 39 77.7 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.382 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 96 Resp: 596529
 Ion Ratio Lower Upper
 96 100
 61 164.1 136.6 205.0
 98 60.2 50.6 76.0



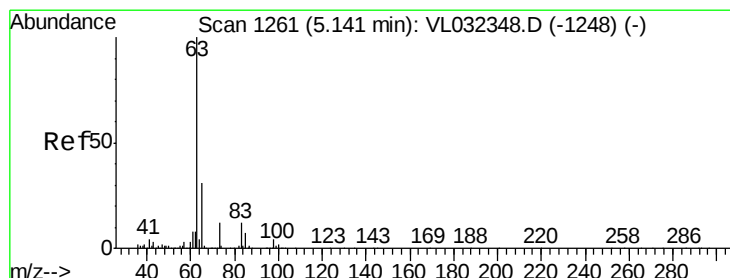
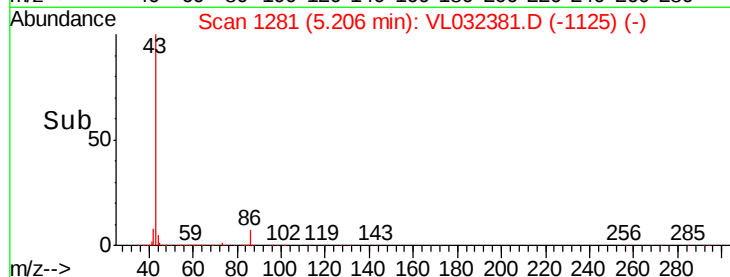
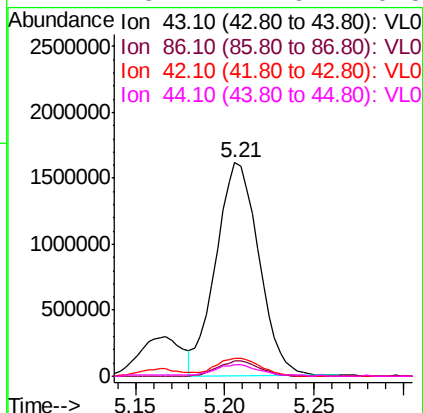
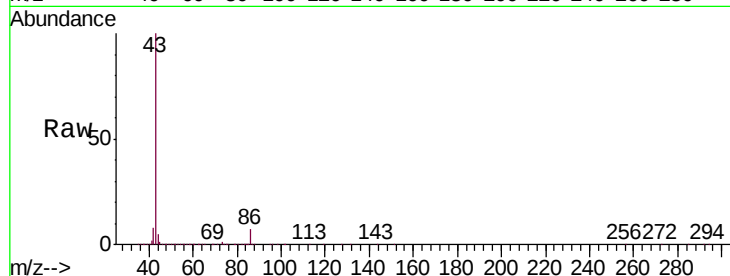


#23
 Vinyl Acetate
 Concen: 10.128 ppbv
 RT: 5.21 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

Tgt Ion: 43 Resp: 2698072

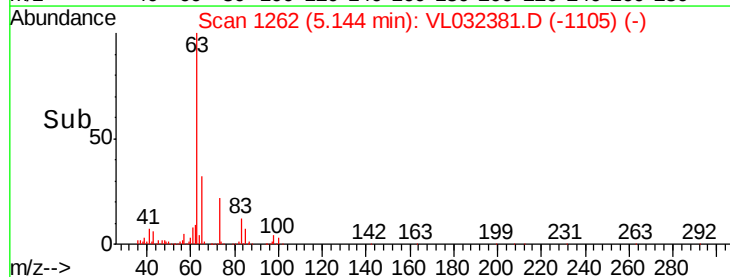
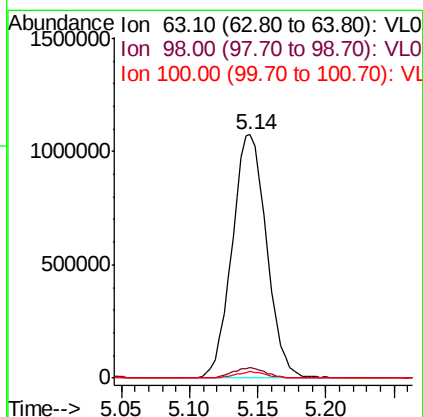
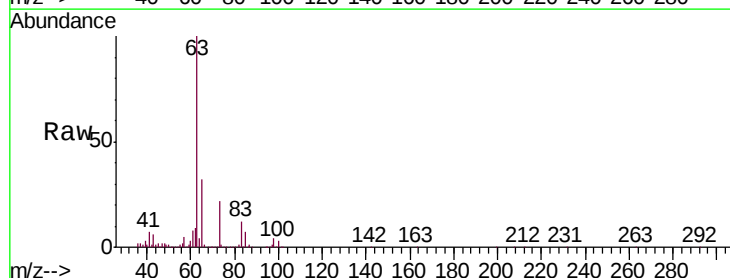
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	8.4	7.0	10.6
44	5.2	4.6	6.8

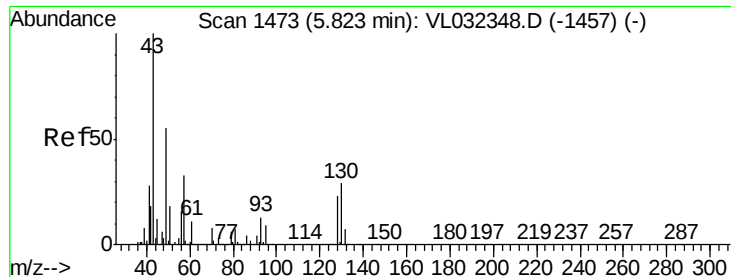


#24
 1,1-Dichloroethane
 Concen: 9.774 ppbv
 RT: 5.14 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 63 Resp: 1879865

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.8	1.2	3.6



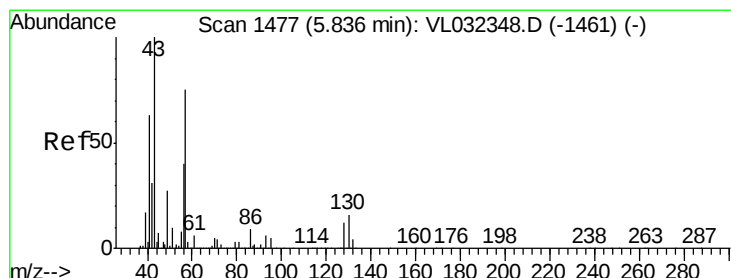
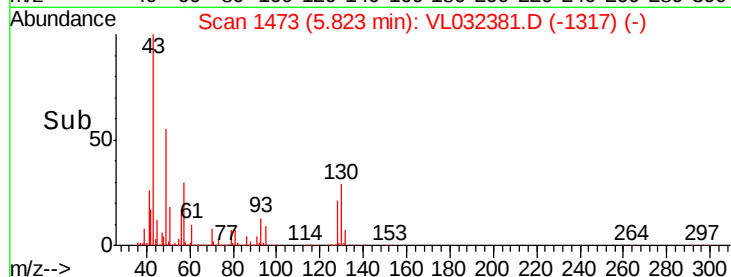
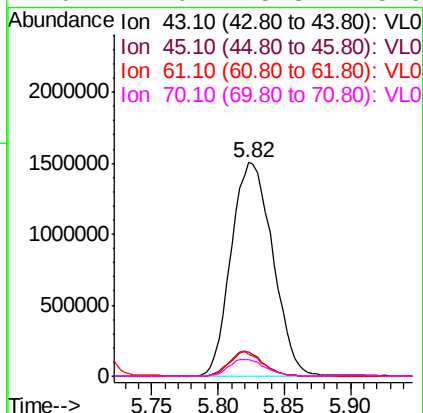
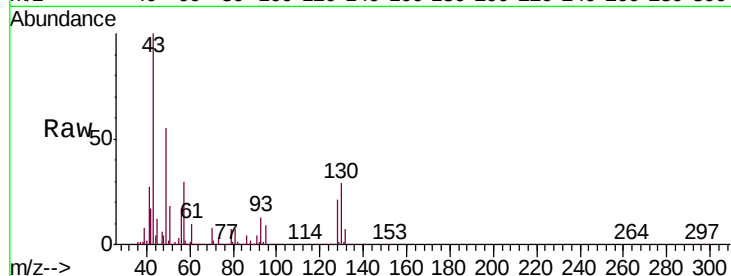


#25
Ethyl Acetate
Concen: 9.915 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

Tgt Ion: 43 Resp: 3278015

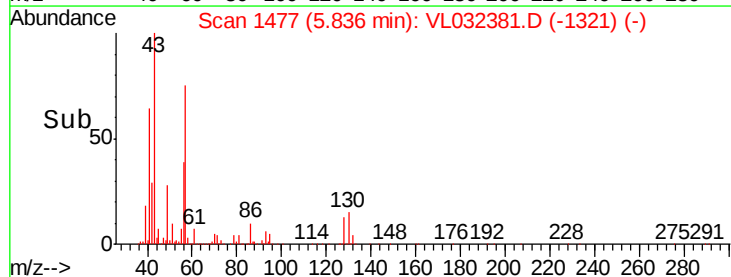
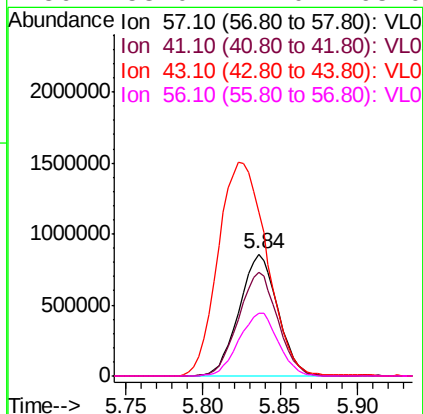
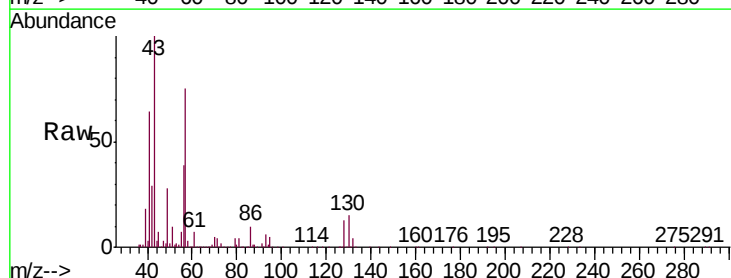
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.2	7.4	11.2
70	7.0	5.8	8.6

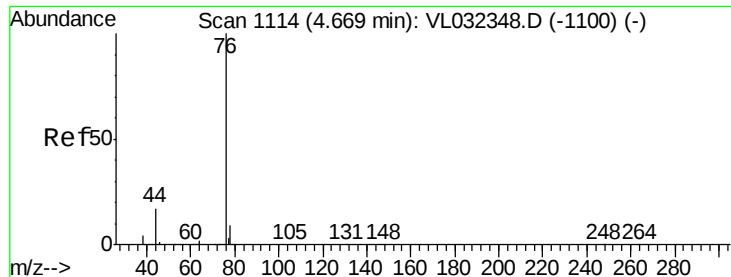


#26
Hexane
Concen: 10.050 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion: 57 Resp: 1481221

Ion	Ratio	Lower	Upper
57	100		
41	86.9	68.0	102.0
43	222.5	175.3	262.9
56	53.0	42.0	63.0





#27

Carbon Disulfide

Concen: 11.230 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

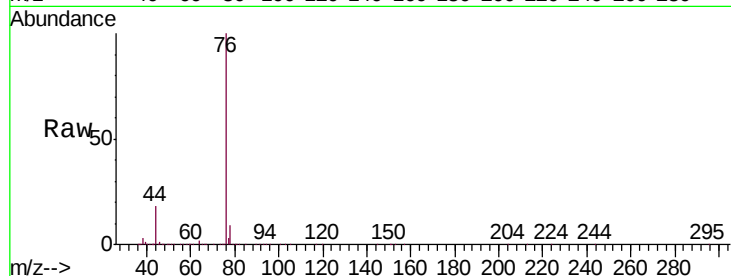
Tgt Ion: 76 Resp: 1544891

Ion Ratio Lower Upper

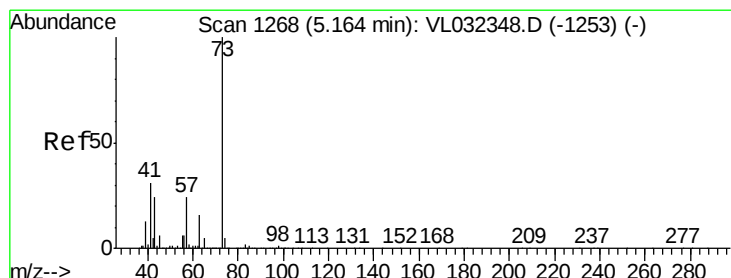
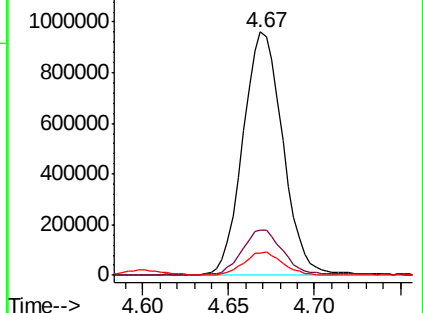
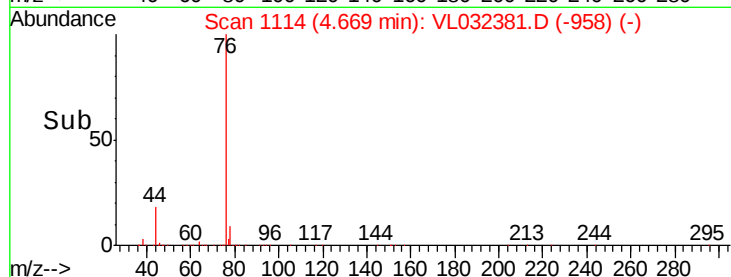
76 100

44 19.2 14.4 21.6

78 9.3 7.4 11.0



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: 11.120 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032381.D

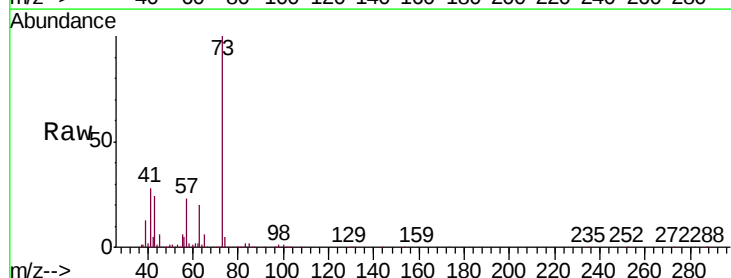
Acq: 16 Aug 2018 17:41

Tgt Ion: 73 Resp: 2175011

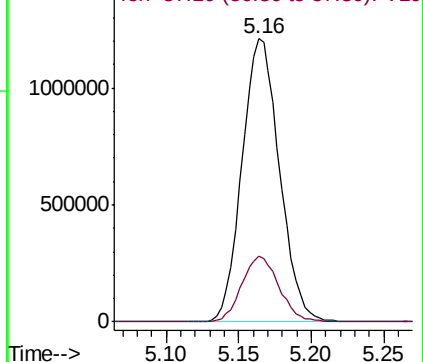
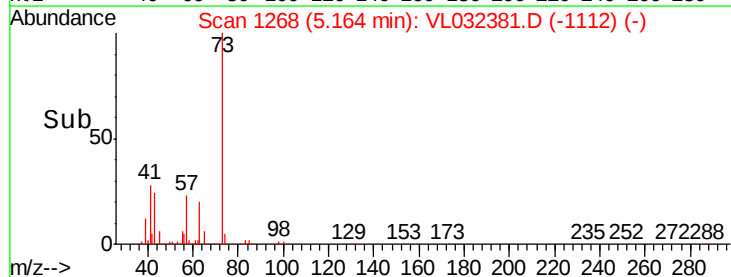
Ion Ratio Lower Upper

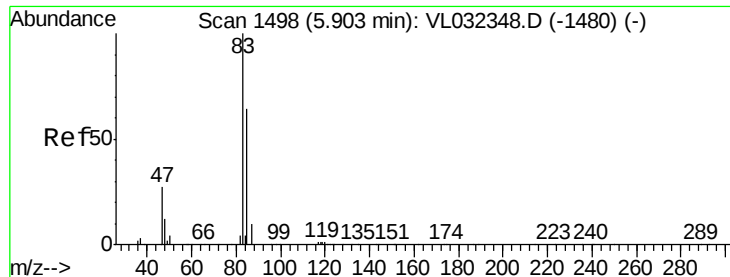
73 100

57 23.2 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: 10.352 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

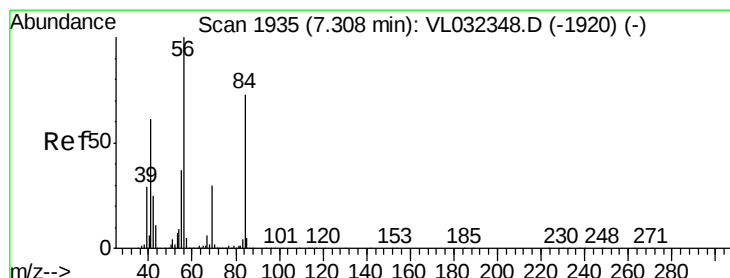
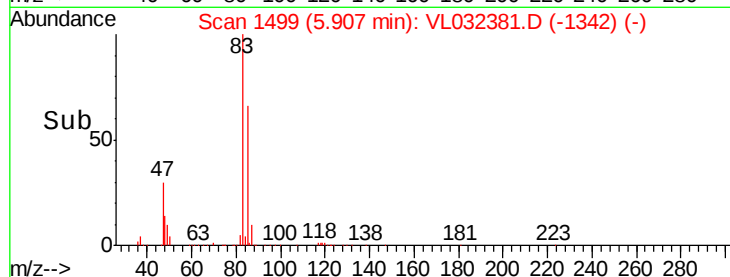
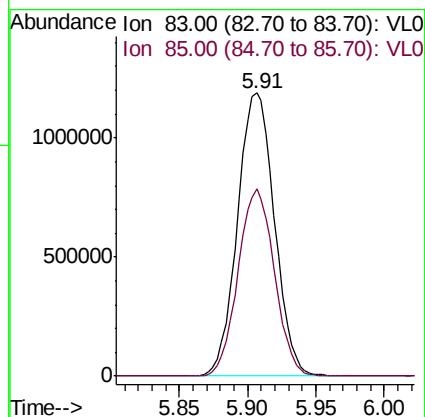
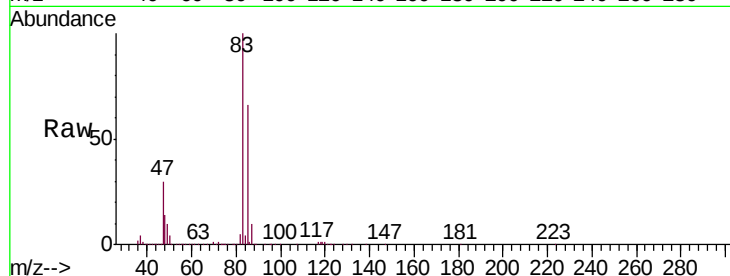
VL0816ABSD01

Tgt Ion: 83 Resp: 2235870

Ion Ratio Lower Upper

83 100

85 66.0 51.6 77.4



#30

Cyclohexane

Concen: 11.722 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

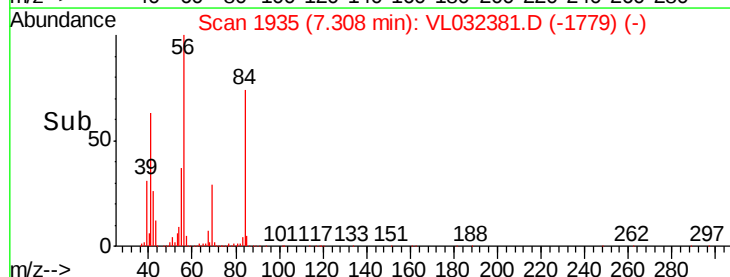
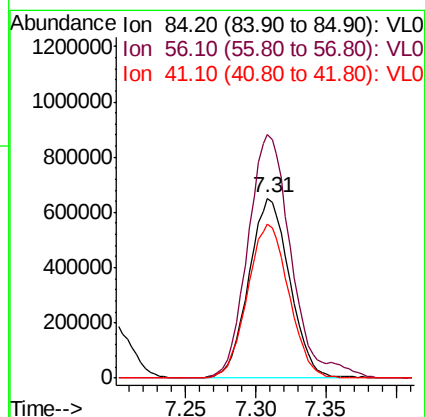
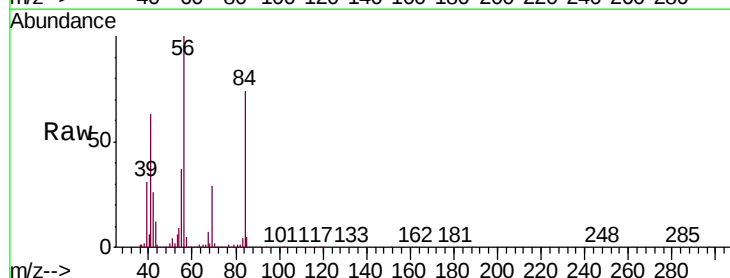
Tgt Ion: 84 Resp: 1316054

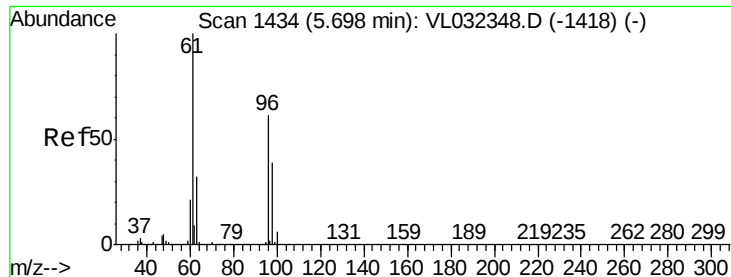
Ion Ratio Lower Upper

84 100

56 144.4 115.7 173.5

41 86.9 67.9 101.9





#31

cis-1,2-Dichloroethene

Concen: 11.737 ppbv

RT: 5.70 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

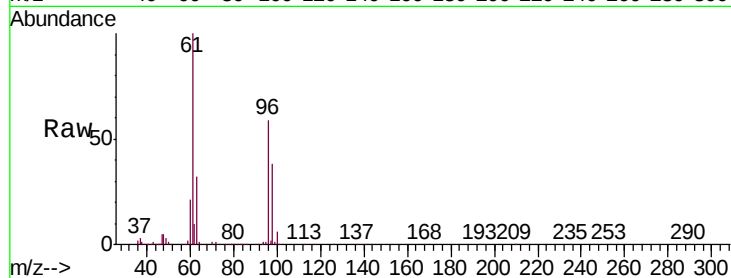
MSVOA_L

ClientSampleId :

VL0816ABSD01

Tgt Ion: 61 Resp: 1692294

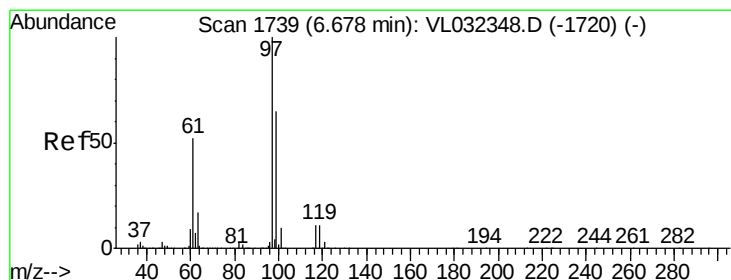
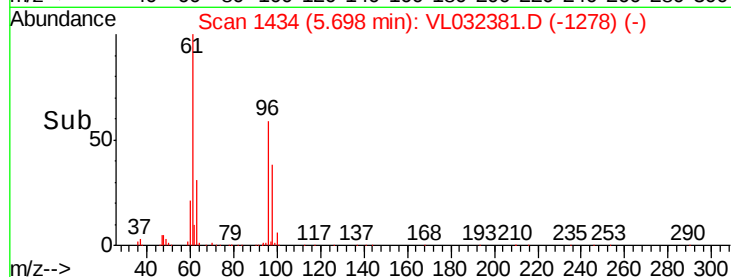
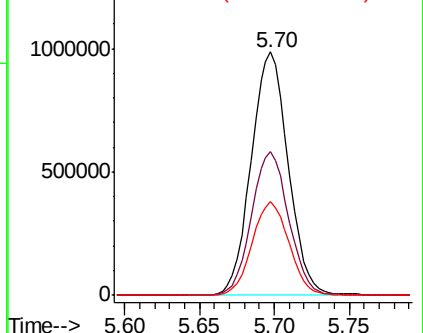
Ion	Ratio	Lower	Upper
61	100		
96	58.8	48.5	72.7
98	38.4	31.0	46.4



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: 10.297 ppbv

RT: 6.68 min Scan# 1739

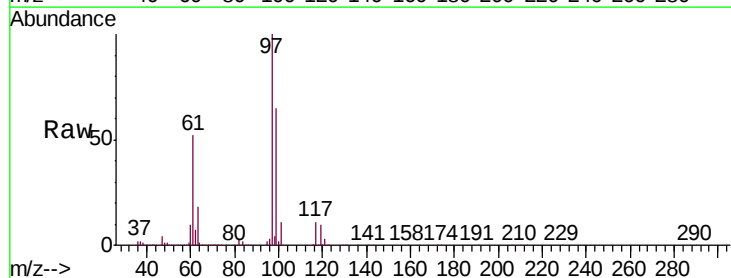
Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Tgt Ion: 97 Resp: 2164286

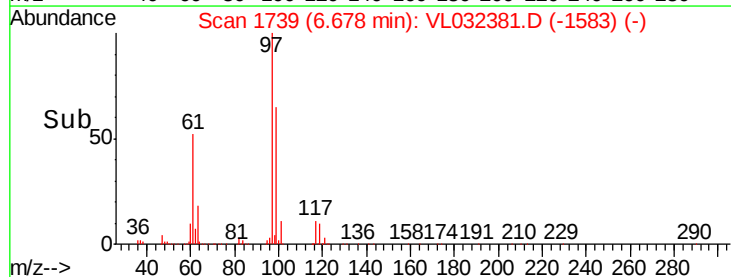
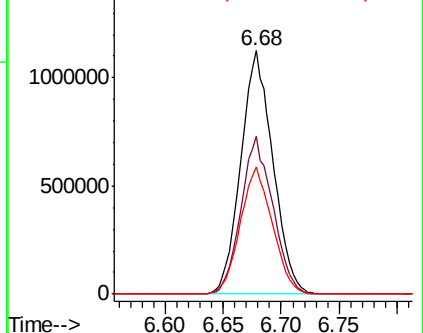
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	52.3	41.1	61.7

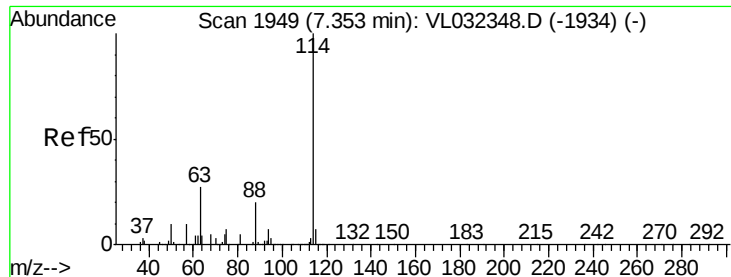


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

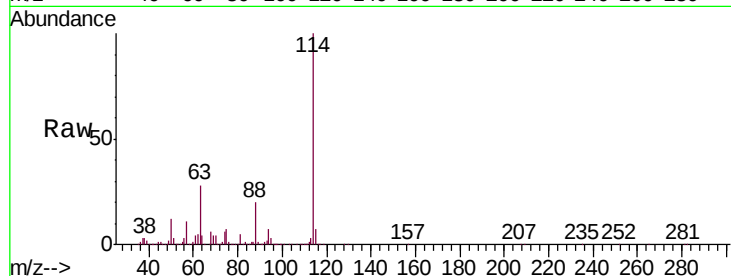




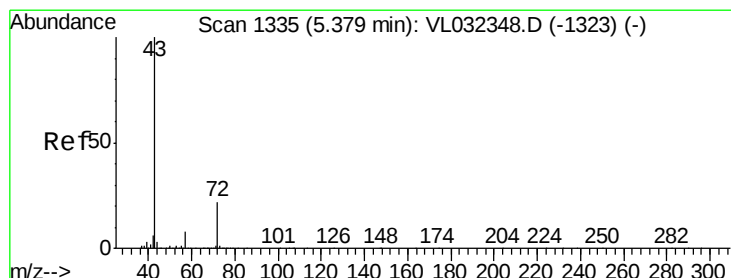
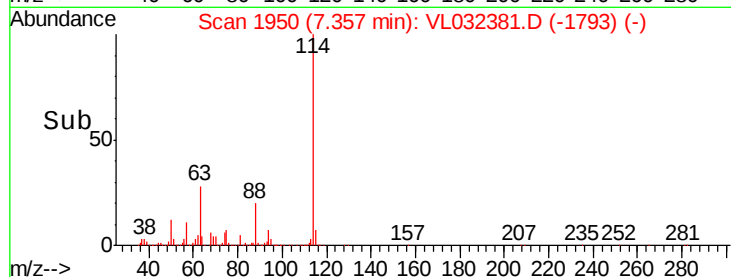
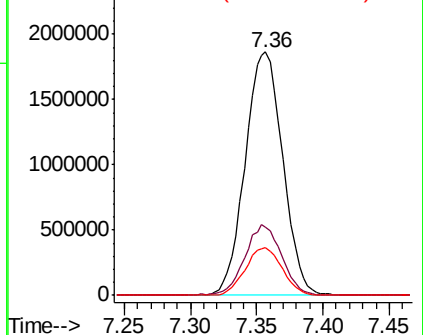
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

Tgt Ion: 114 Resp: 3670816
 Ion Ratio Lower Upper
 114 100
 63 28.7 22.0 33.0
 88 19.4 15.3 22.9

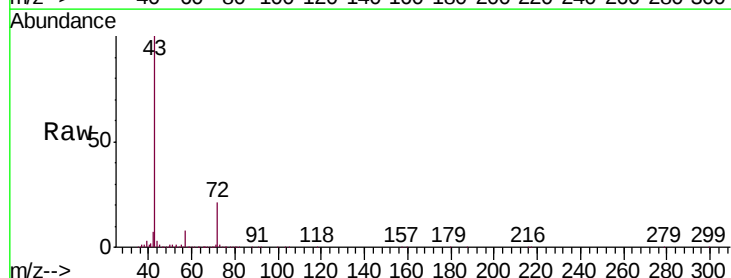


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

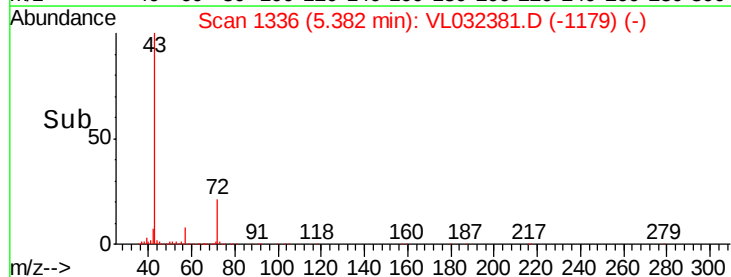
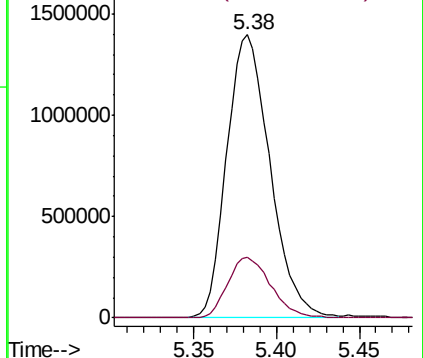


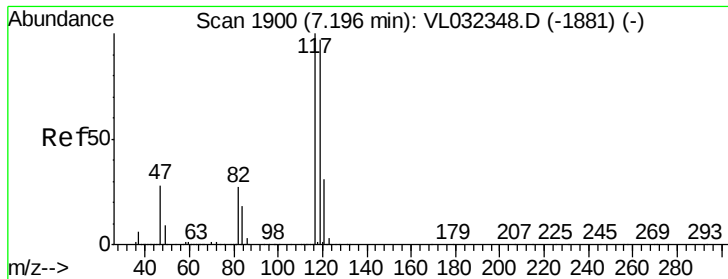
#34
 2-Butanone
 Concen: 10.079 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 43 Resp: 2518147
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 10.779 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

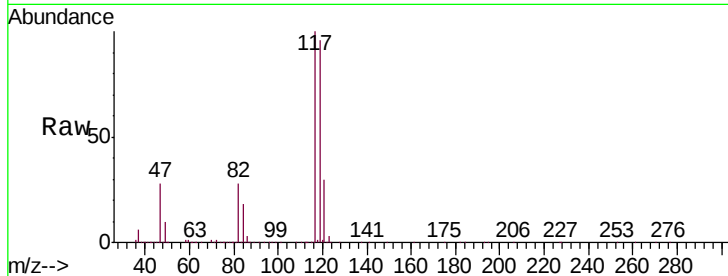
Tgt Ion:117 Resp: 2333126

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8

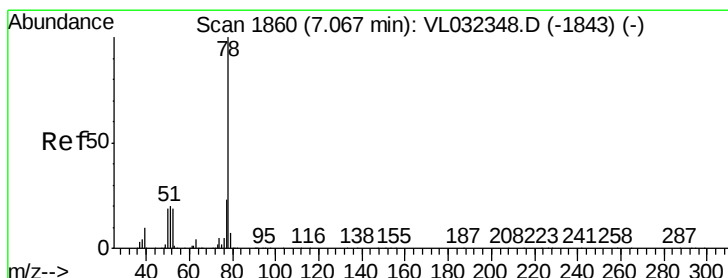
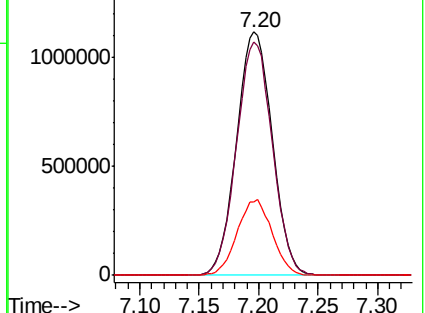
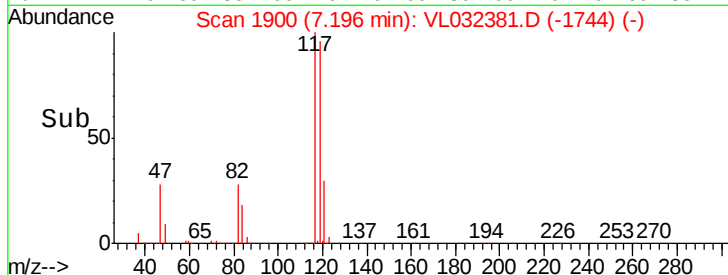
121 30.3 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.924 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

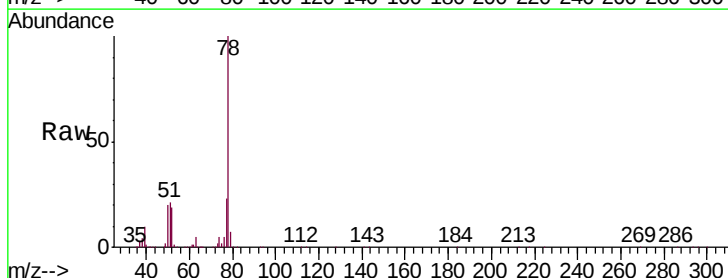
Tgt Ion: 78 Resp: 3088367

Ion Ratio Lower Upper

78 100

77 22.7 18.0 27.0

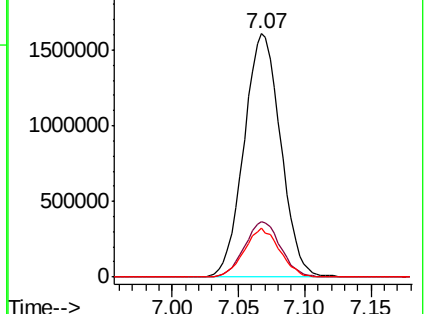
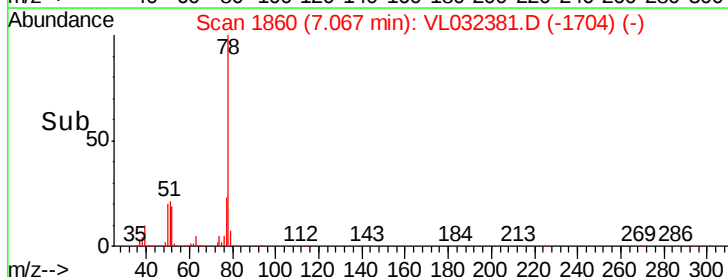
50 20.0 15.1 22.7

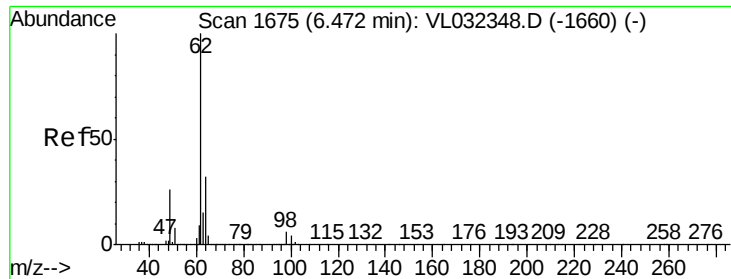


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

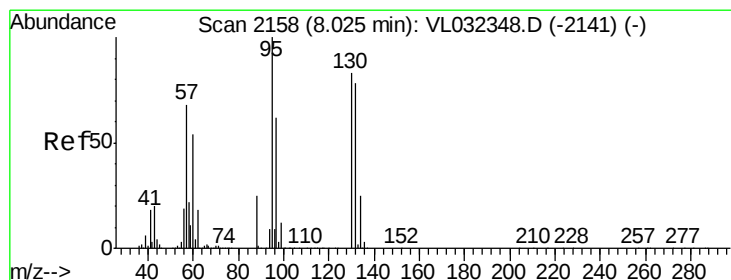
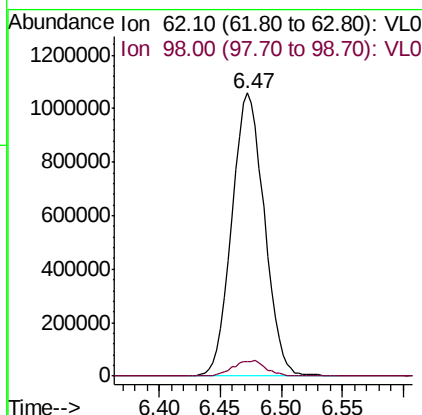
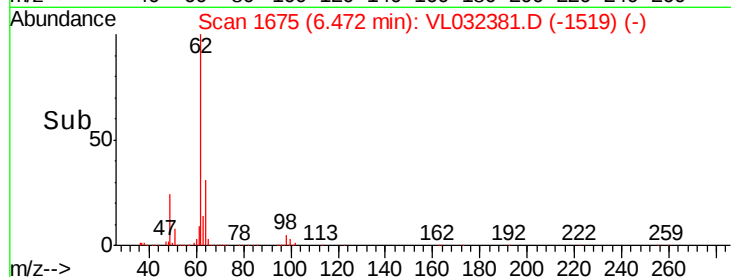
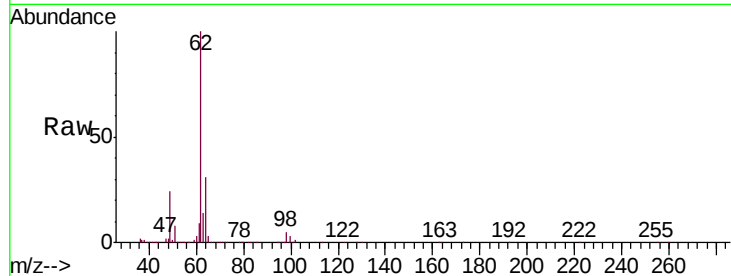




#37
 1,2-Dichloroethane
 Concen: 10.378 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

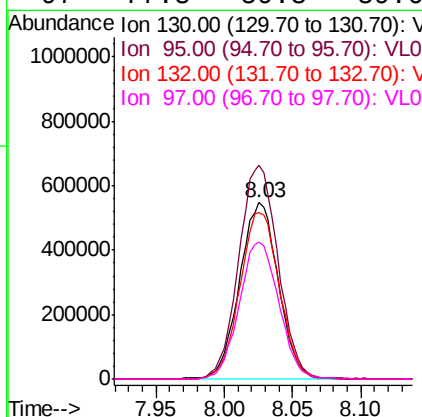
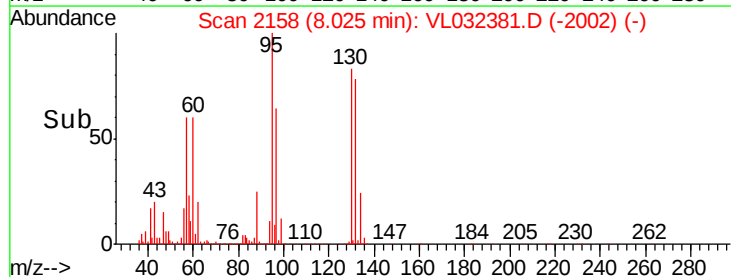
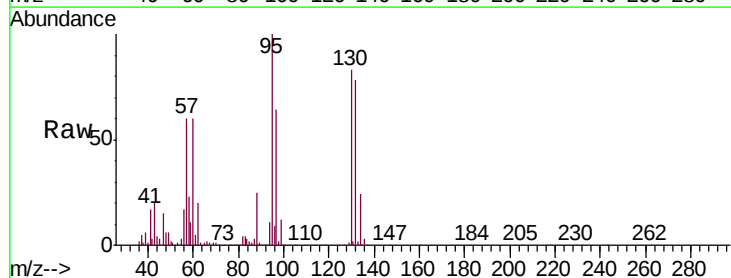
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

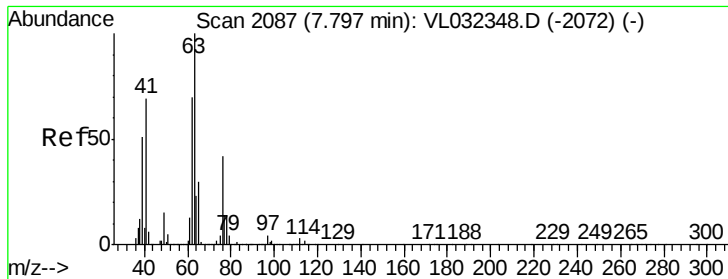
Tgt Ion: 62 Resp: 1959588
 Ion Ratio Lower Upper
 62 100
 98 5.6 5.0 7.6



#38
 Trichloroethene
 Concen: 9.880 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 130 Resp: 1078460
 Ion Ratio Lower Upper
 130 100
 95 121.2 96.6 144.8
 132 94.2 75.5 113.3
 97 77.8 59.8 89.6

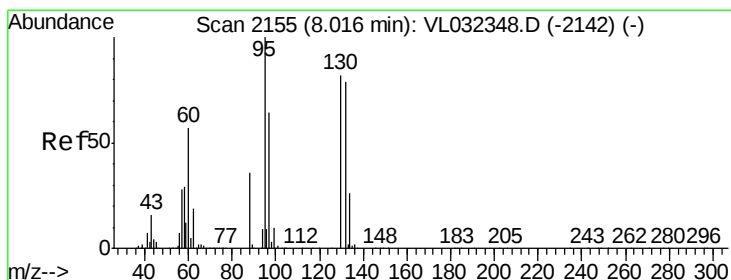
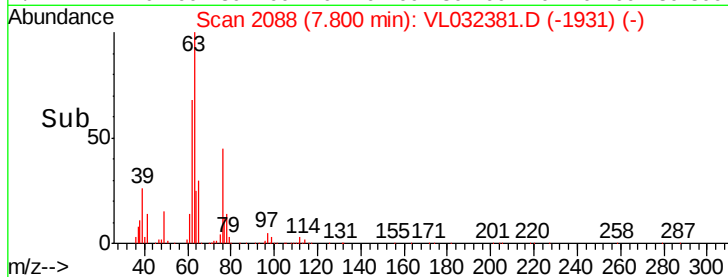
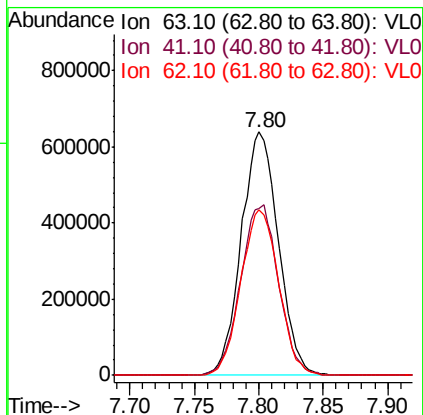
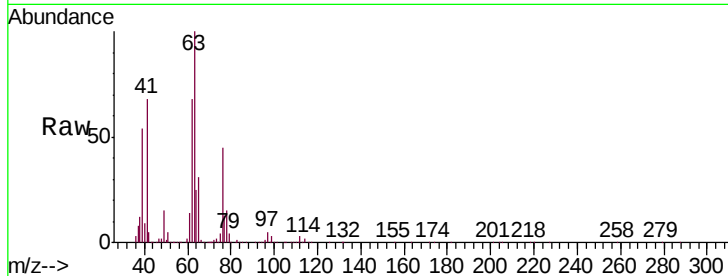




#39
 1,2-Dichloropropane
 Concen: 9.846 ppbv
 RT: 7.80 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

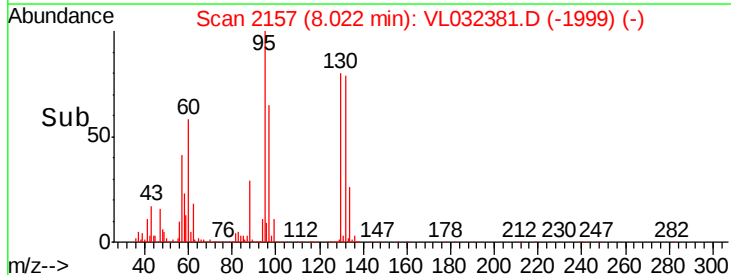
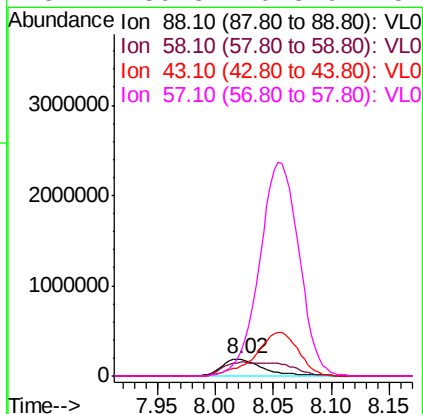
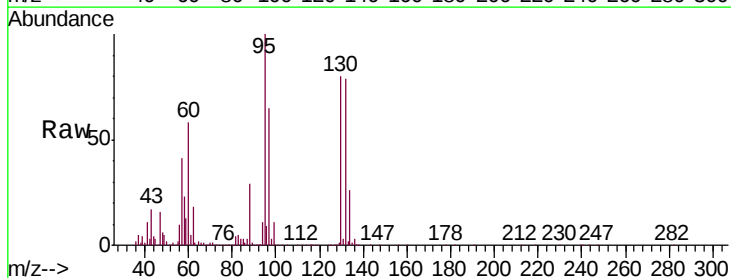
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

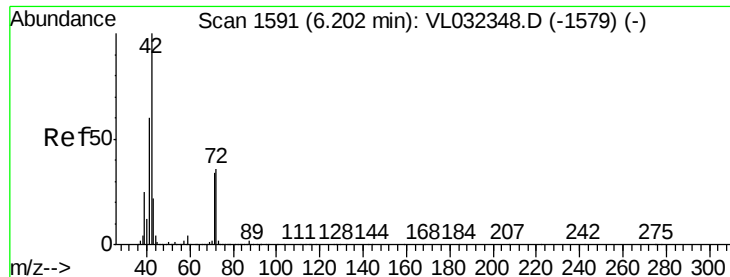
Tgt Ion: 63 Resp: 1280029
 Ion Ratio Lower Upper
 63 100
 41 68.2 55.5 83.3
 62 67.8 56.3 84.5



#40
 1,4-Dioxane
 Concen: 11.516 ppbv
 RT: 8.02 min Scan# 2157
 Delta R.T. 0.01 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 88 Resp: 454754
 Ion Ratio Lower Upper
 88 100
 58 135.6 113.7 170.5
 43 276.5 224.0 336.0
 57 1239.5 1013.0 1519.6





#41

Tetrahydrofuran

Concen: 10.908 ppbv

RT: 6.21 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

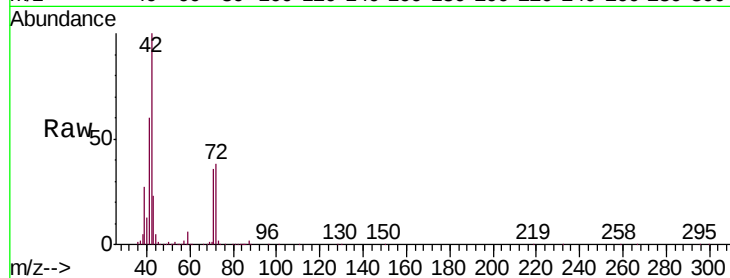
Tgt Ion: 42 Resp: 1462955

Ion Ratio Lower Upper

42 100

72 36.8 29.8 44.6

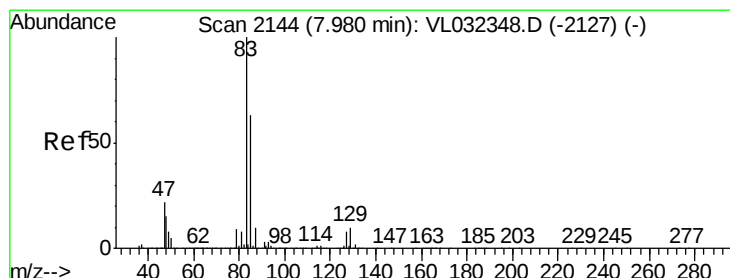
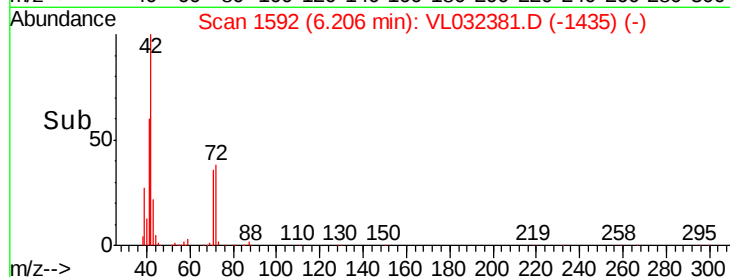
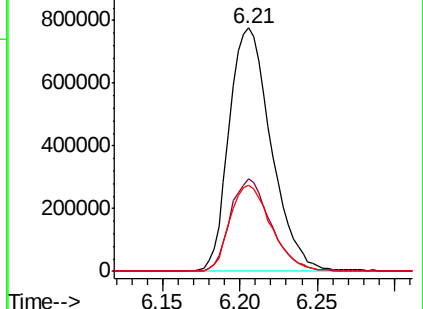
71 35.2 28.2 42.2



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: 10.471 ppbv

RT: 7.98 min Scan# 2145

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

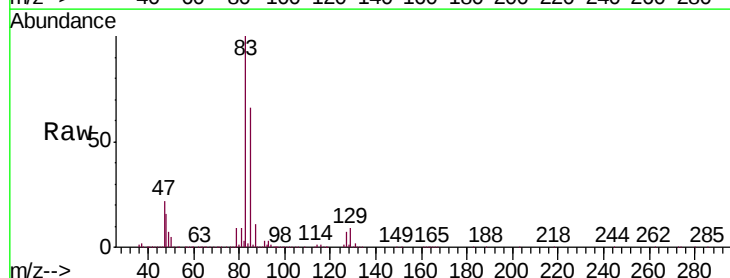
Tgt Ion: 83 Resp: 2588619

Ion Ratio Lower Upper

83 100

85 66.0 50.4 75.6

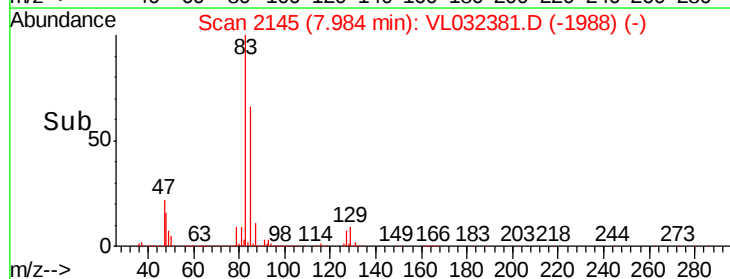
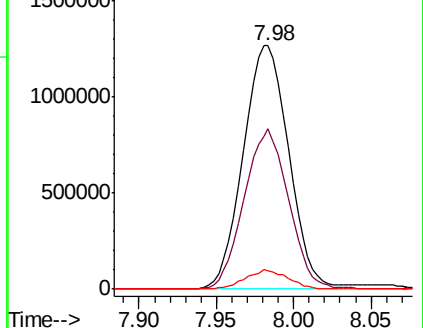
127 7.3 6.1 9.1

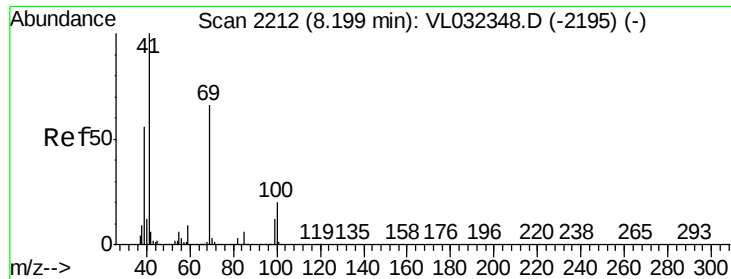


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.959 ppbv

RT: 8.20 min Scan# 2212

Delta R.T. 0.00 min

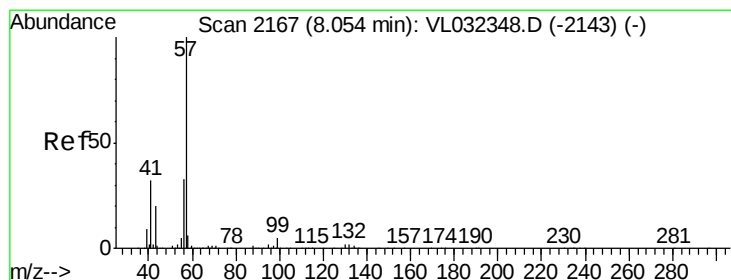
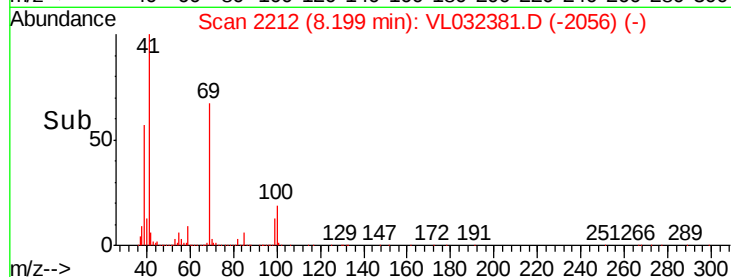
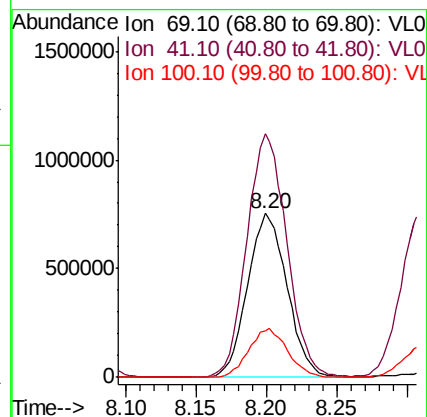
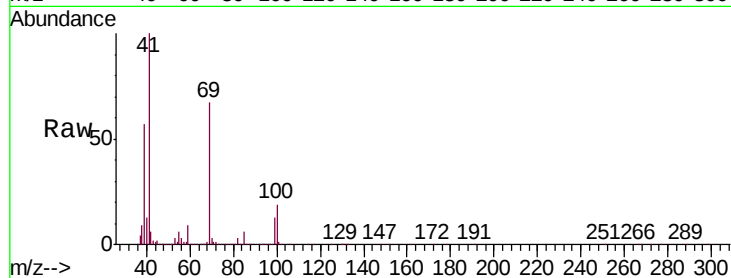
Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

Tgt Ion: 69 Resp: 1483030

Ion	Ratio	Lower	Upper
69	100		
41	149.7	118.6	177.8
100	29.2	23.4	35.2



#44

2,2,4-Trimethylpentane

Concen: 10.036 ppbv

RT: 8.05 min Scan# 2167

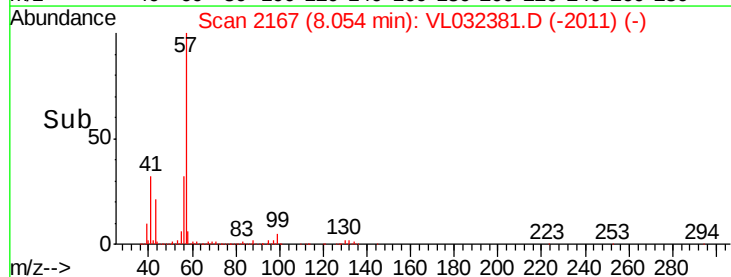
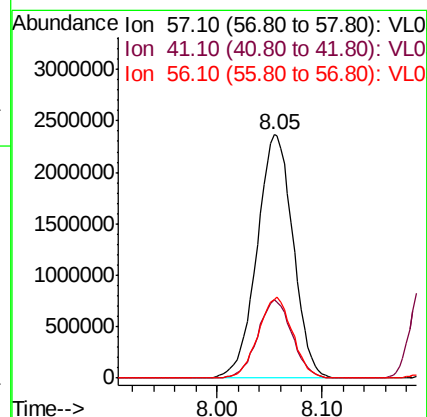
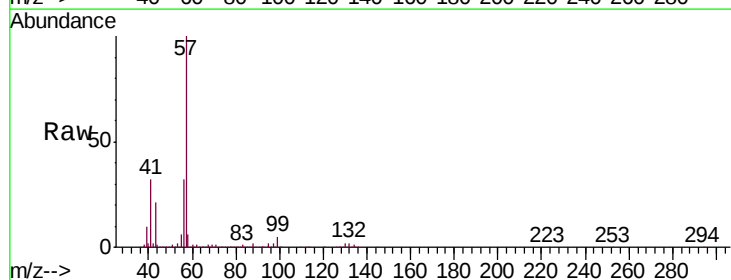
Delta R.T. 0.00 min

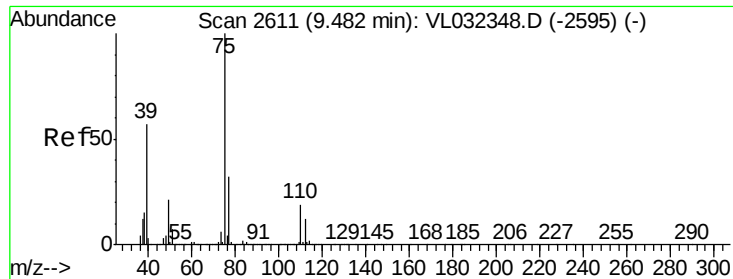
Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Tgt Ion: 57 Resp: 5631872

Ion	Ratio	Lower	Upper
57	100		
41	30.9	24.3	36.5
56	31.6	25.7	38.5

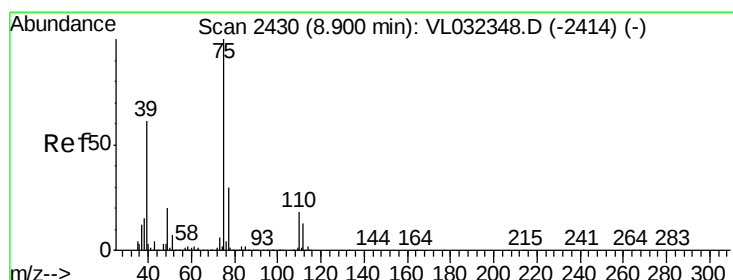
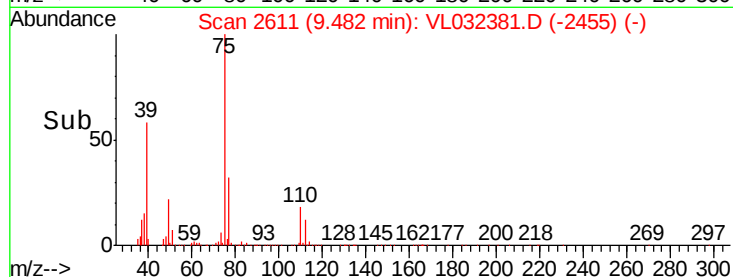
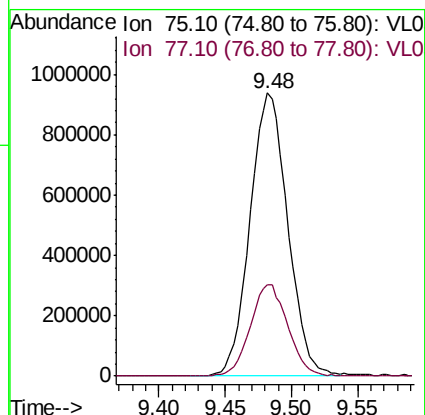
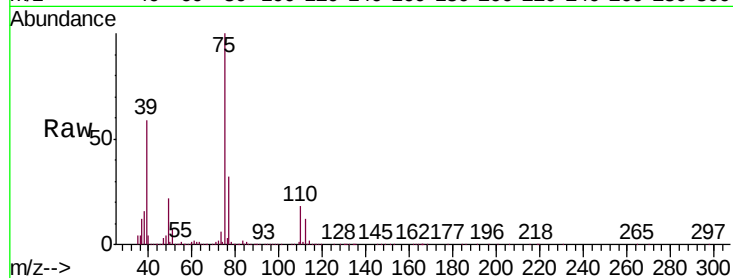




#45
 t-1,3-Dichloropropene
 Concen: 11.834 ppbv
 RT: 9.48 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

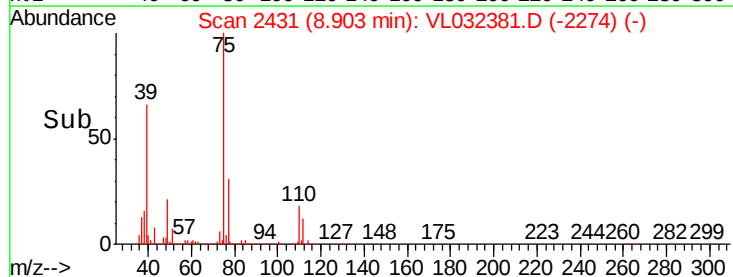
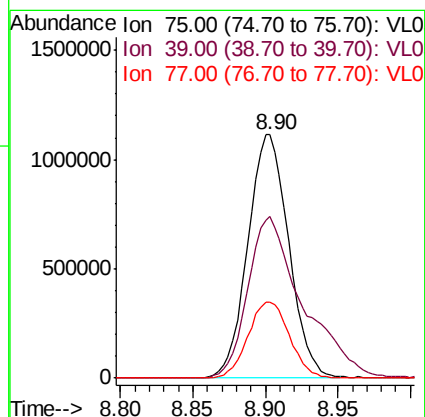
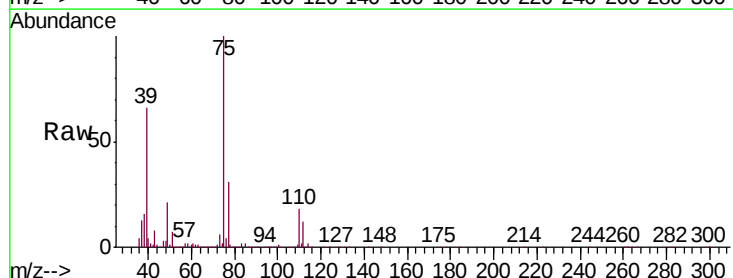
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

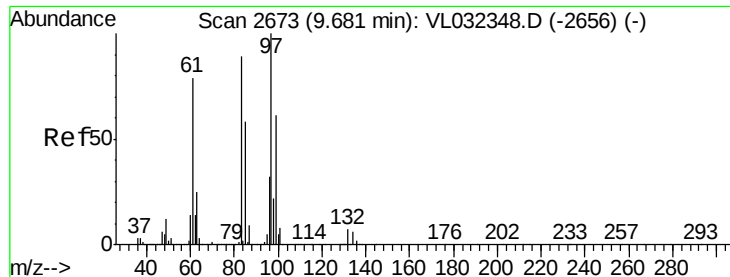
Tgt Ion: 75 Resp: 1856043
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.624 ppbv
 RT: 8.90 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 75 Resp: 2186462
 Ion Ratio Lower Upper
 75 100
 39 66.1 48.5 72.7
 77 31.3 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 8.644 ppbv

RT: 9.68 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

Tgt Ion: 97 Resp: 1236739

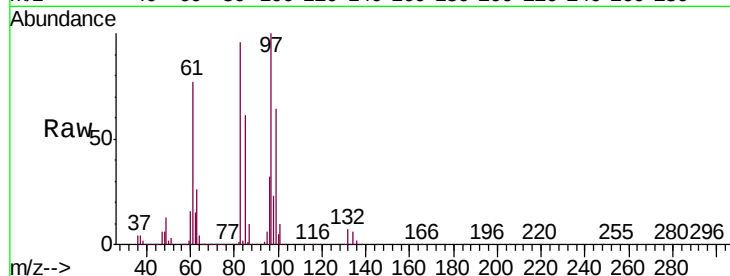
Ion Ratio Lower Upper

97 100

83 96.1 71.2 106.8

85 60.2 46.6 69.8

99 63.8 49.2 73.8



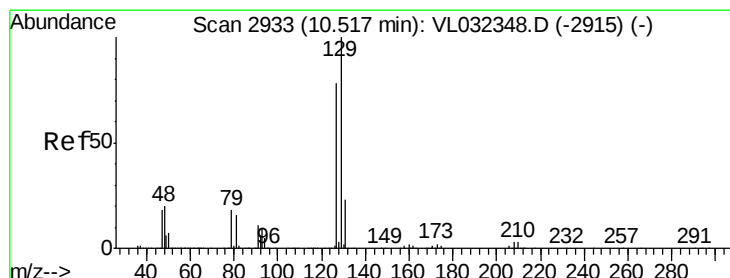
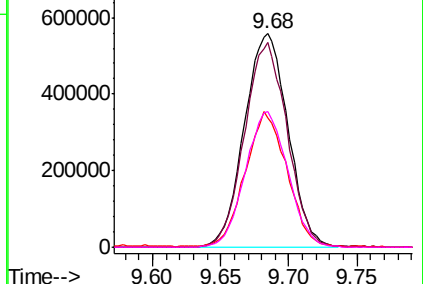
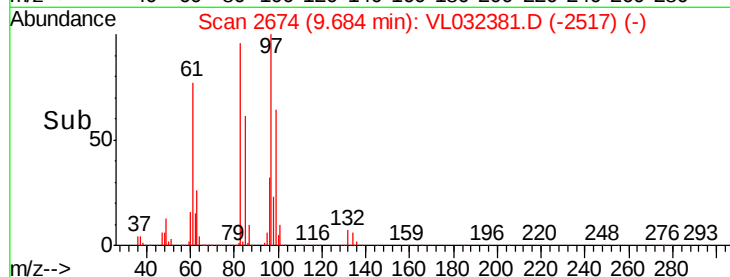
Abundance

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: 10.352 ppbv

RT: 10.52 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VL032381.D

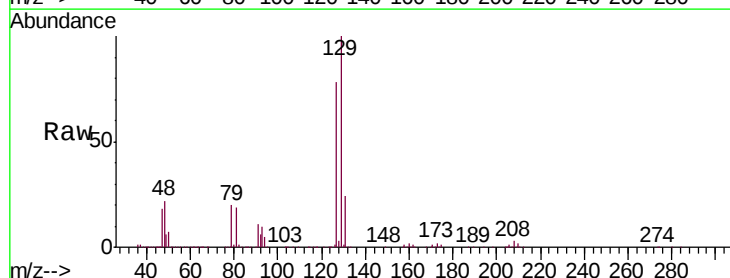
Acq: 16 Aug 2018 17:41

Tgt Ion: 129 Resp: 1980234

Ion Ratio Lower Upper

129 100

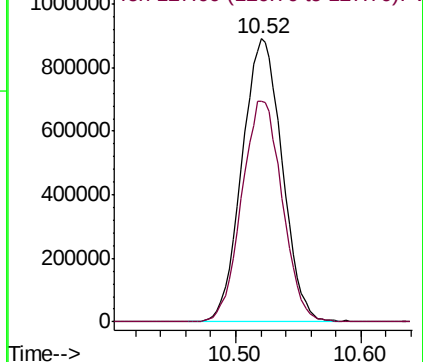
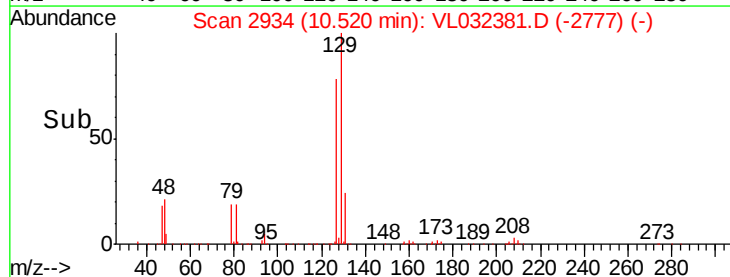
127 79.1 39.3 117.9

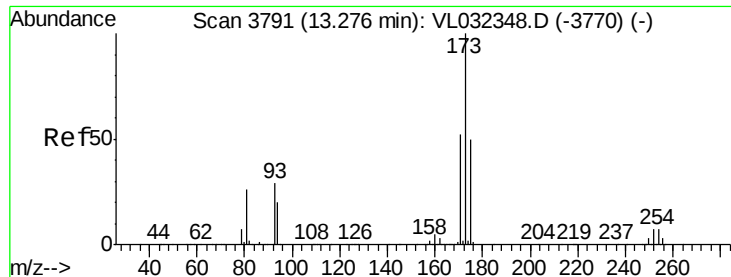


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.225 ppbv

RT: 13.28 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

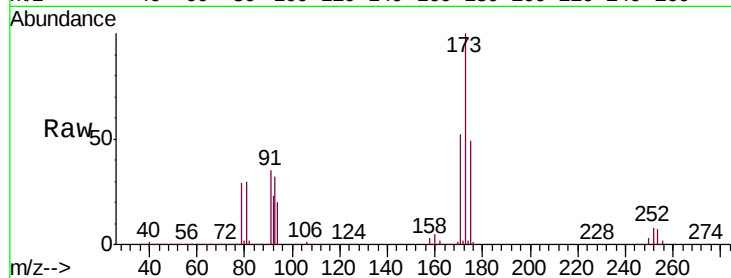
Tgt Ion:173 Resp: 1624549

Ion Ratio Lower Upper

173 100

175 48.8 39.3 58.9

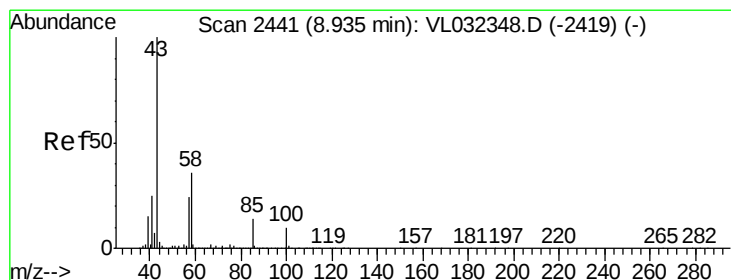
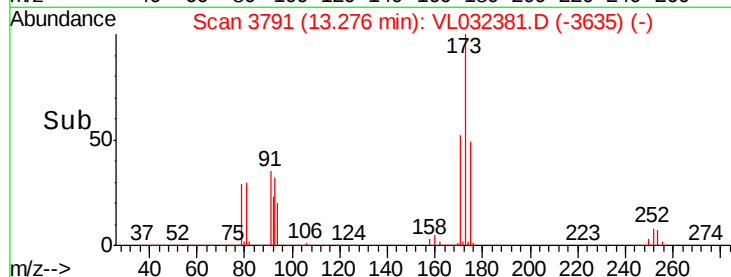
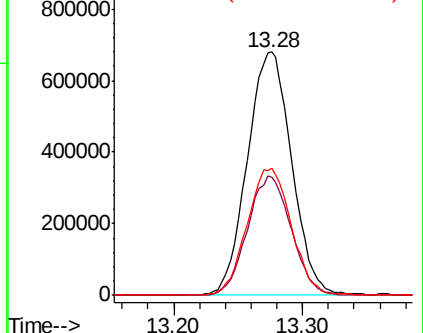
171 52.2 41.9 62.9



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: 10.433 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032381.D

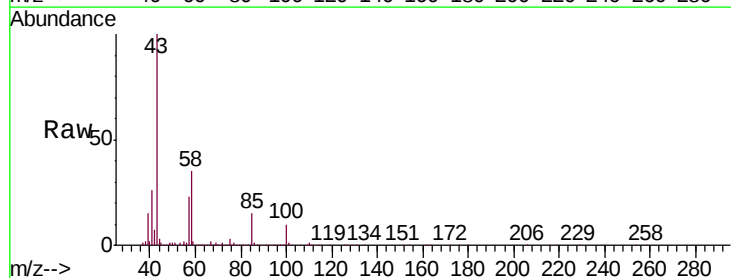
Acq: 16 Aug 2018 17:41

Tgt Ion: 43 Resp: 3764418

Ion Ratio Lower Upper

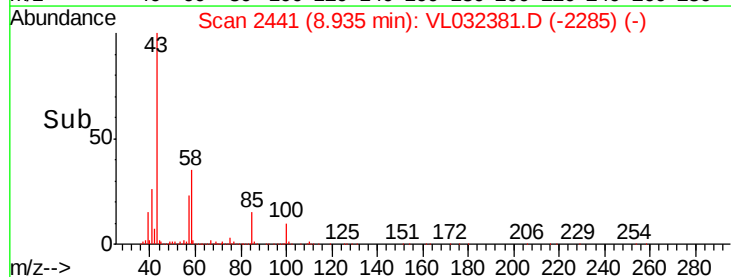
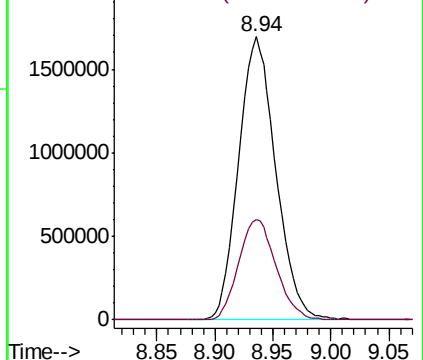
43 100

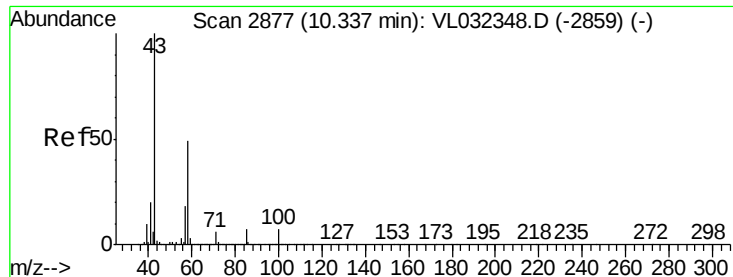
58 36.0 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

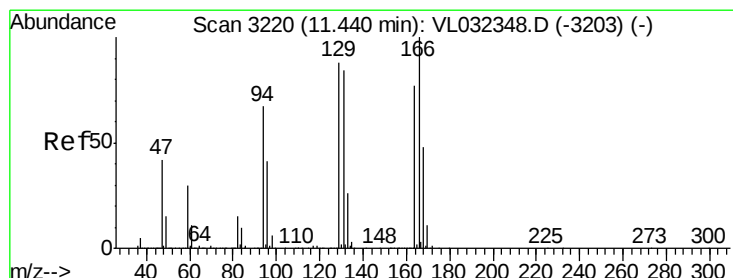
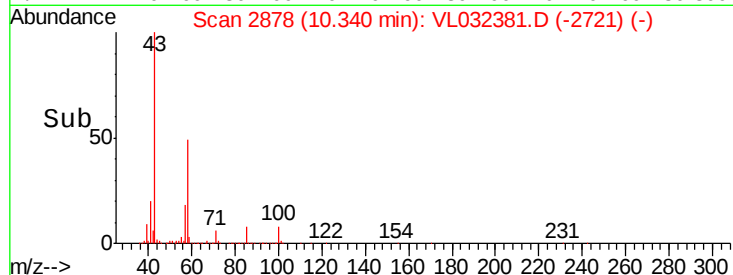
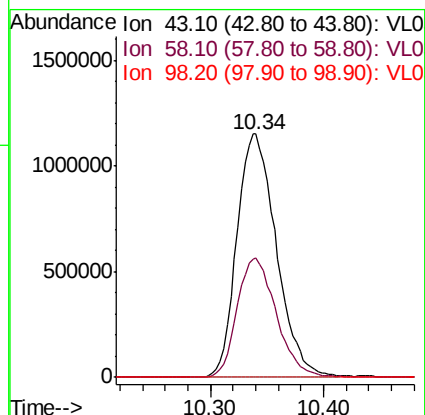
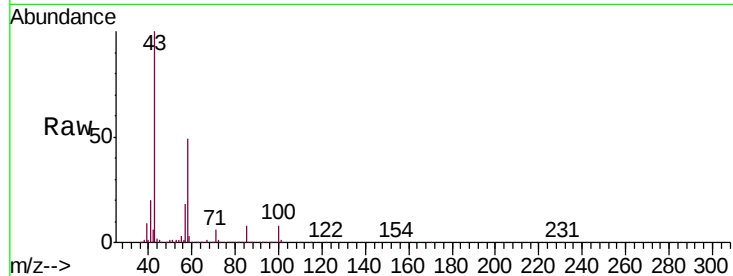




#51
2-Hexanone
Concen: 11.025 ppbv
RT: 10.34 min Scan# 2878
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

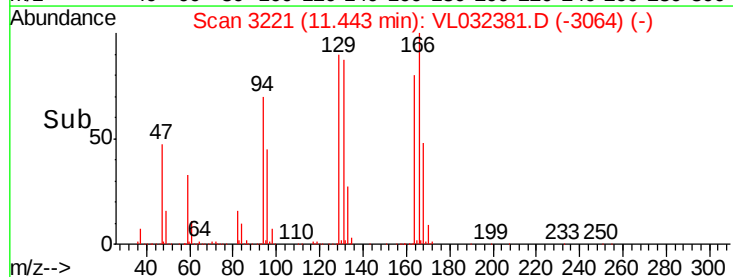
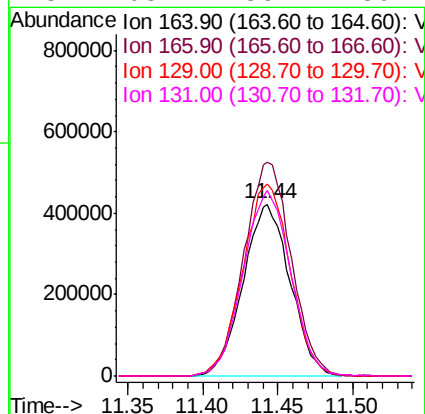
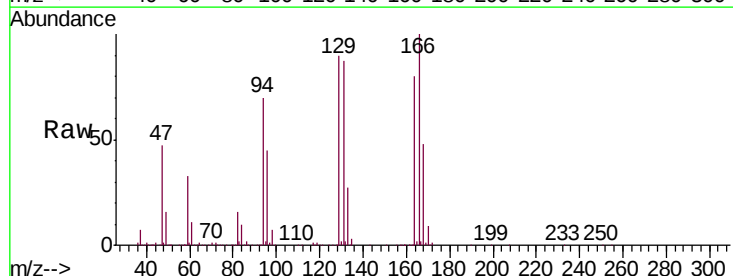
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

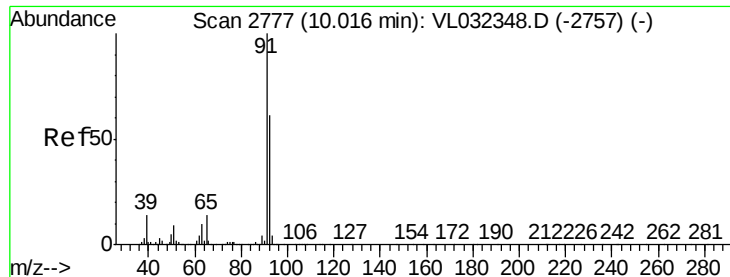
Tgt Ion: 43 Resp: 2793458
Ion Ratio Lower Upper
43 100
58 48.9 39.5 59.3
98 0.1 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.997 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion: 164 Resp: 917594
Ion Ratio Lower Upper
164 100
166 124.1 103.5 155.3
129 111.5 90.9 136.3
131 108.2 86.7 130.1





#53

Toluene

Concen: 10.323 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

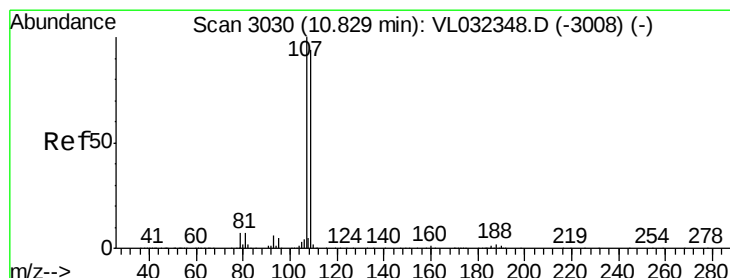
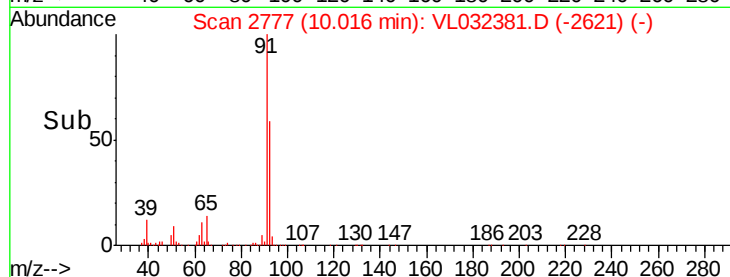
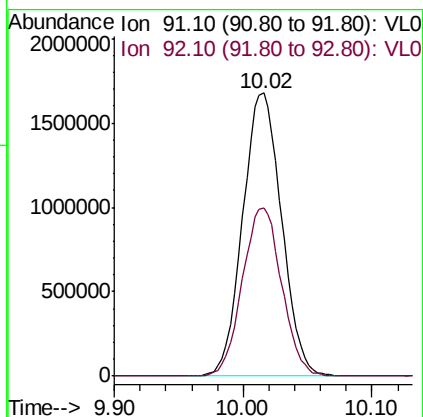
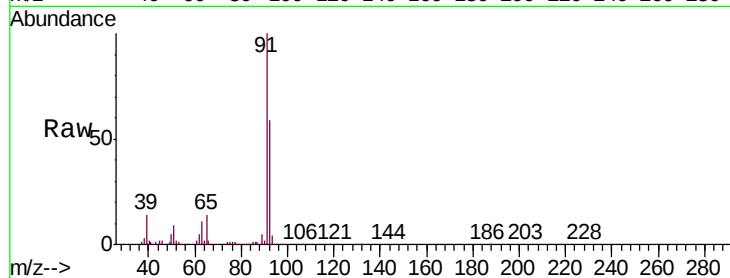
VL0816ABSD01

Tgt Ion: 91 Resp: 3521850

Ion Ratio Lower Upper

91 100

92 60.1 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.076 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032381.D

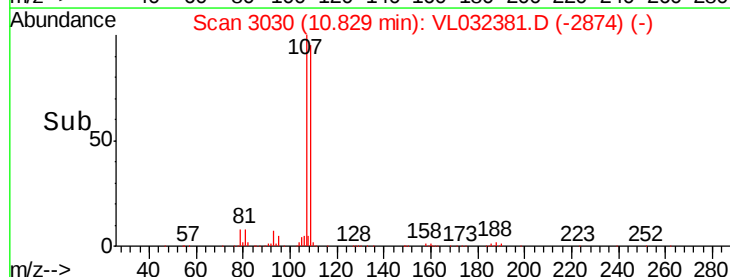
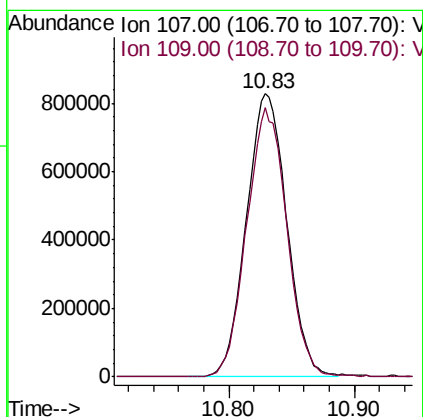
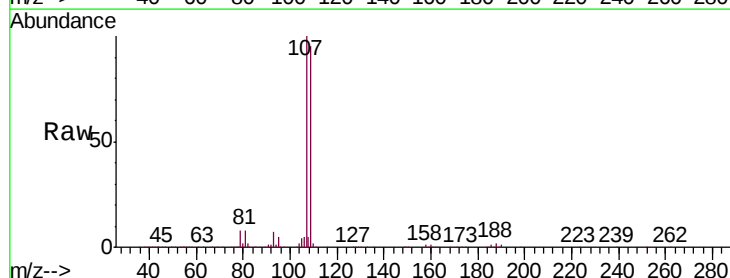
Acq: 16 Aug 2018 17:41

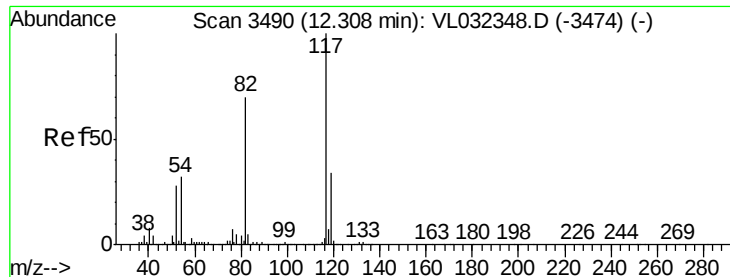
Tgt Ion: 107 Resp: 1851786

Ion Ratio Lower Upper

107 100

109 95.1 74.9 112.3

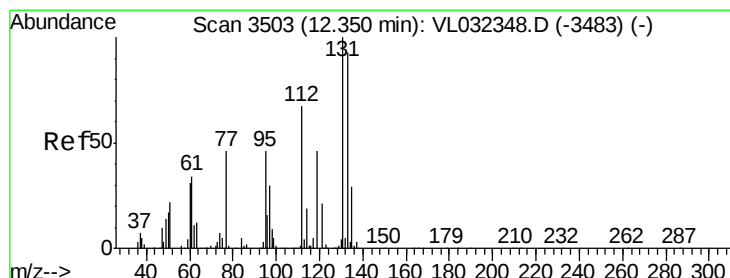
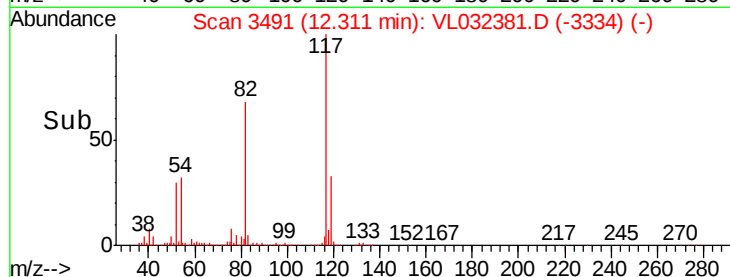
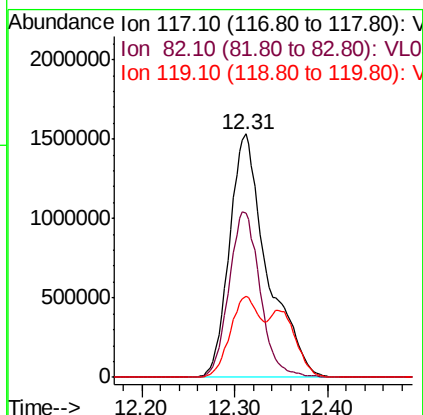
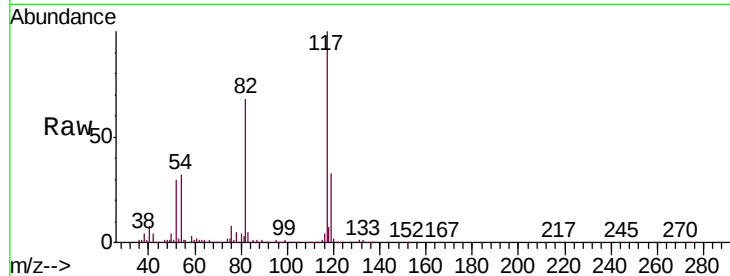




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

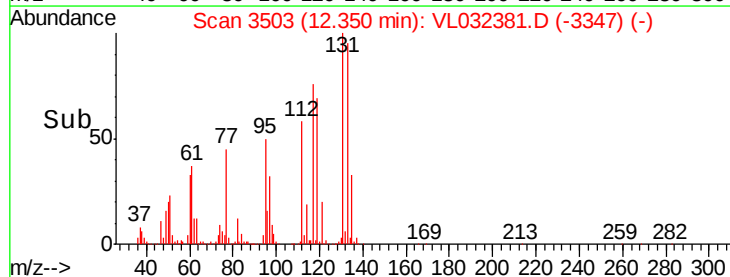
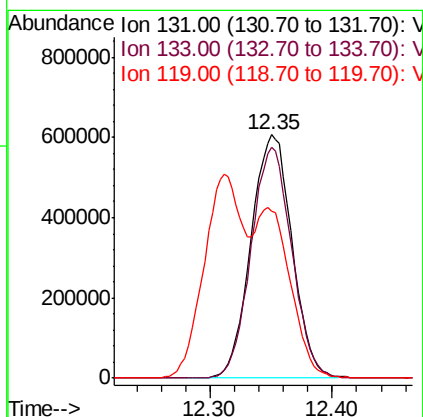
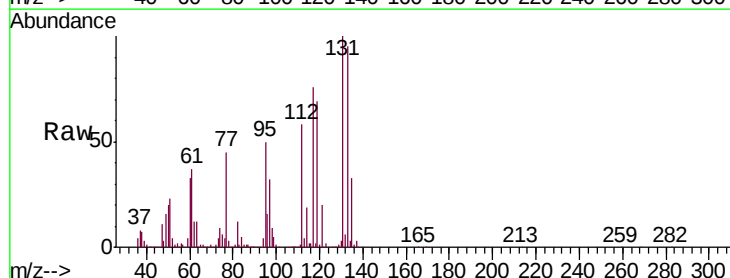
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

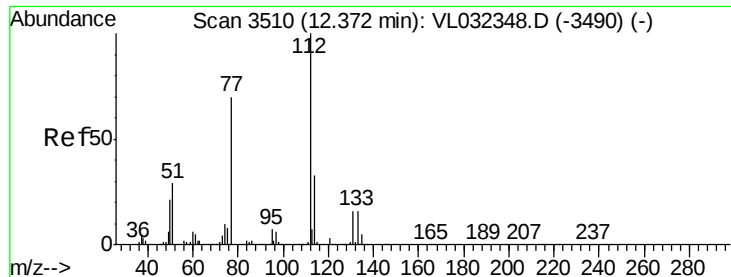
Tgt Ion:117 Resp: 4339948
Ion Ratio Lower Upper
117 100
82 56.3 55.1 82.7
119 27.4 46.0 69.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.866 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion:131 Resp: 1412254
Ion Ratio Lower Upper
131 100
133 94.2 75.7 113.5
119 59.1 116.0 174.0#





#57

Chlorobenzene

Concen: 7.793 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

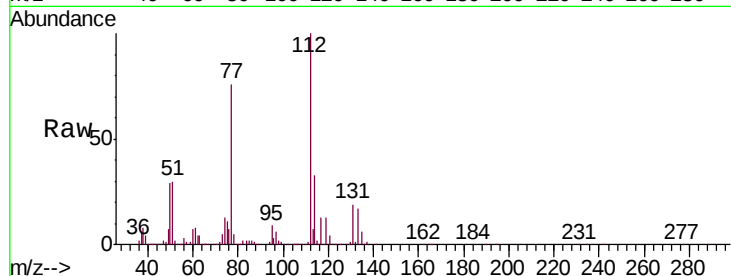
Tgt Ion: 112 Resp: 2545982

Ion Ratio Lower Upper

112 100

77 75.8 56.6 84.8

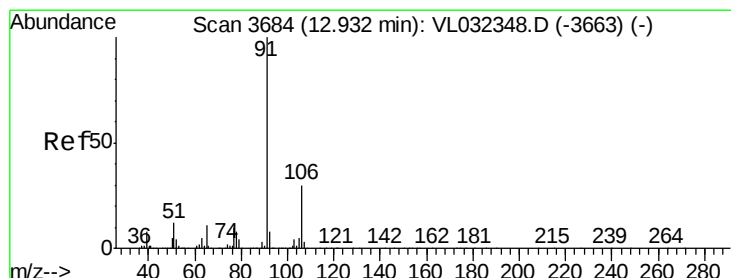
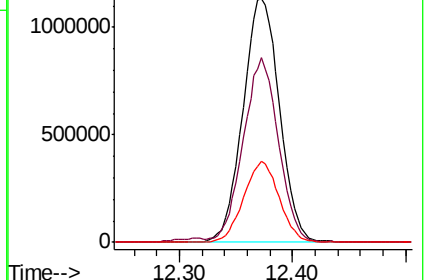
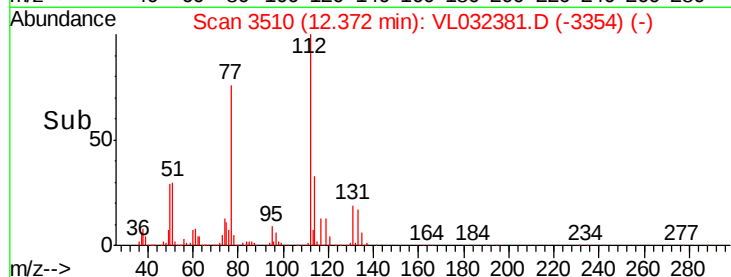
114 33.4 29.4 36.0



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: 9.093 ppbv

RT: 12.94 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VL032381.D

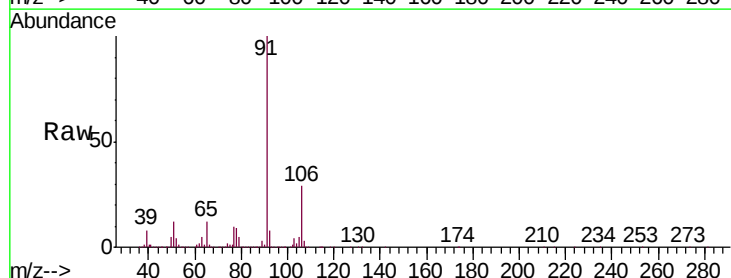
Acq: 16 Aug 2018 17:41

Tgt Ion: 91 Resp: 4748074

Ion Ratio Lower Upper

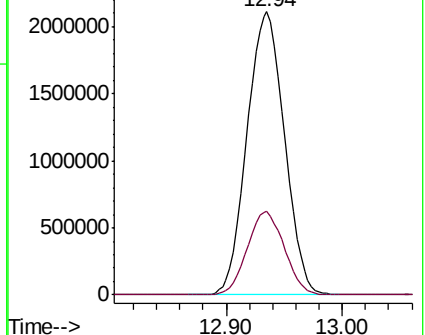
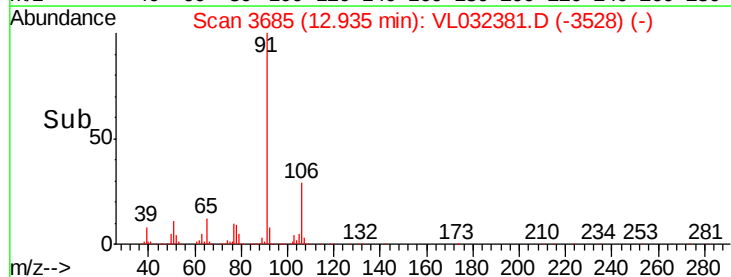
91 100

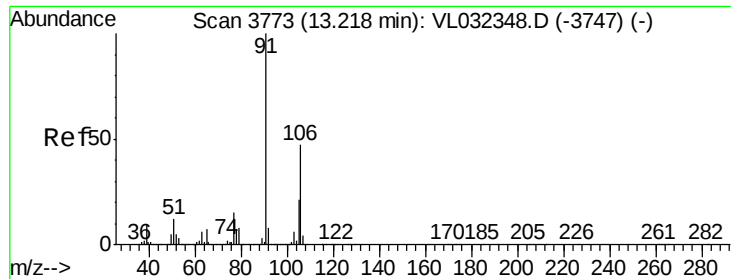
106 29.4 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

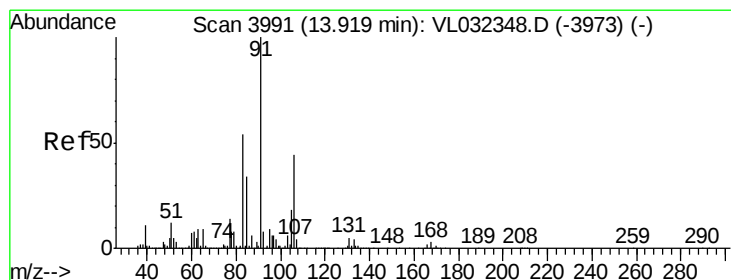
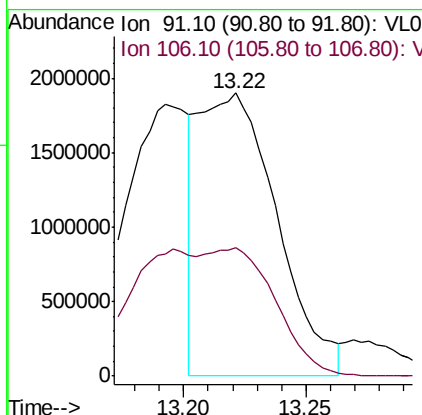
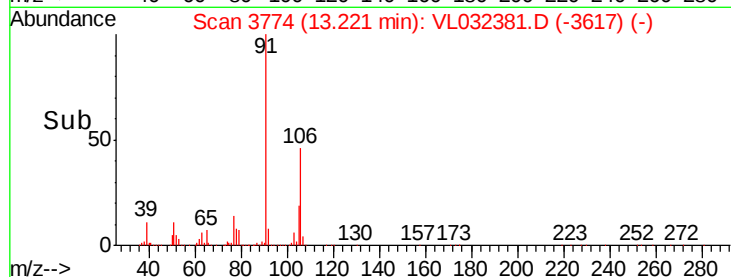
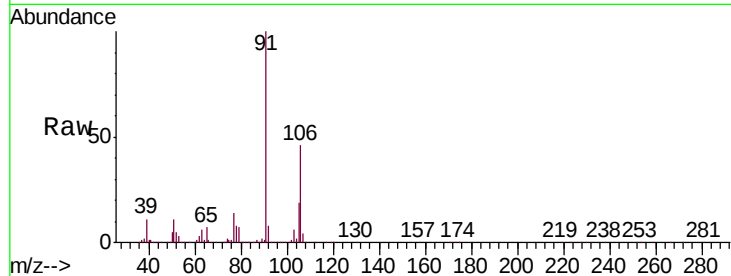




#59
m/p-Xylene
Concen: 9.515 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

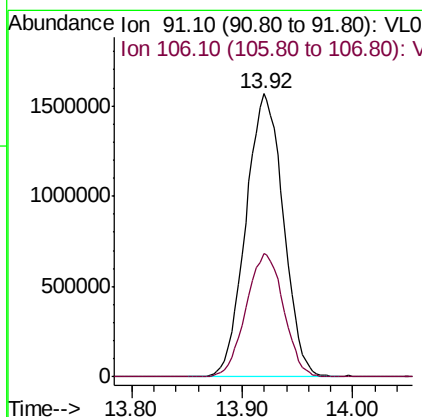
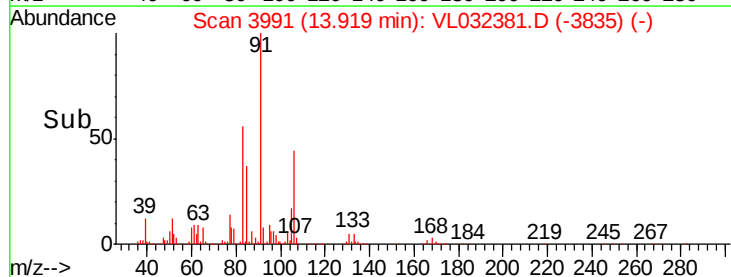
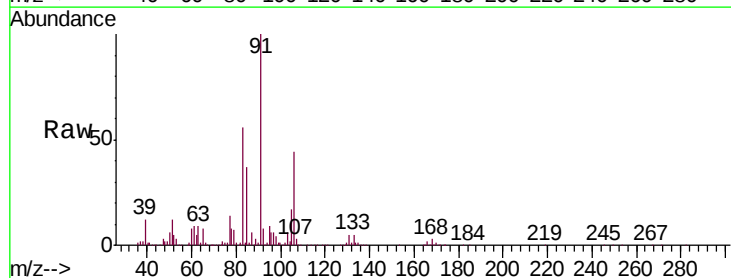
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

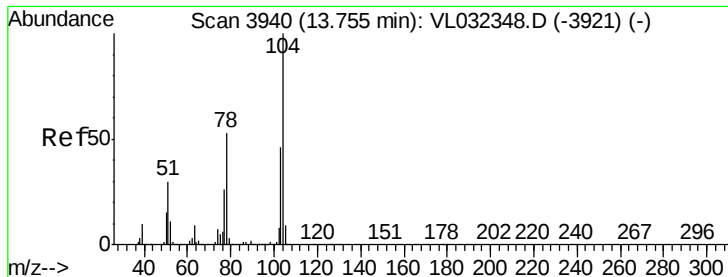
Tgt Ion: 91 Resp: 4220496
Ion Ratio Lower Upper
91 100
106 81.0 37.0 55.4#



#60
o-Xylene
Concen: 8.473 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion: 91 Resp: 3694096
Ion Ratio Lower Upper
91 100
106 43.7 22.3 66.8





#61

Styrene

Concen: 9.385 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

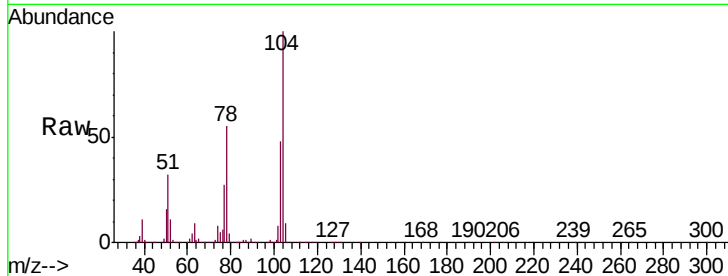
Tgt Ion:104 Resp: 2859718

Ion Ratio Lower Upper

104 100

78 55.1 42.6 64.0

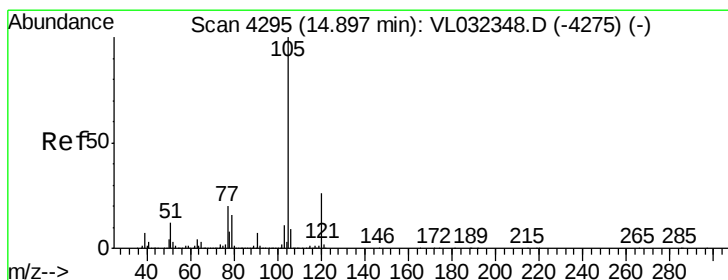
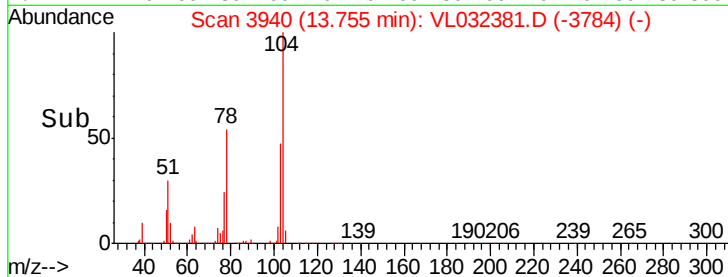
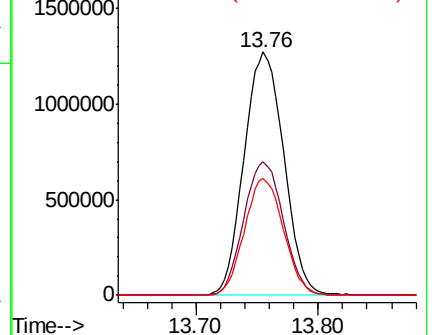
103 47.3 38.0 57.0



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: 8.478 ppbv

RT: 14.90 min Scan# 4295

Delta R.T. 0.00 min

Lab File: VL032381.D

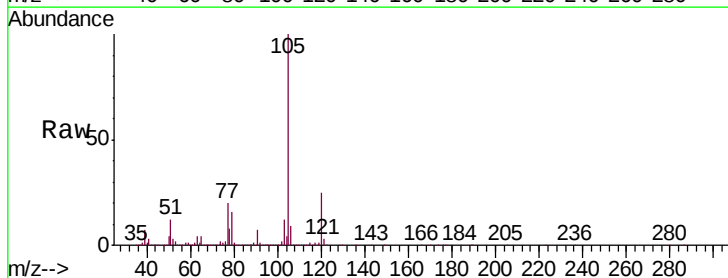
Acq: 16 Aug 2018 17:41

Tgt Ion:105 Resp: 5261161

Ion Ratio Lower Upper

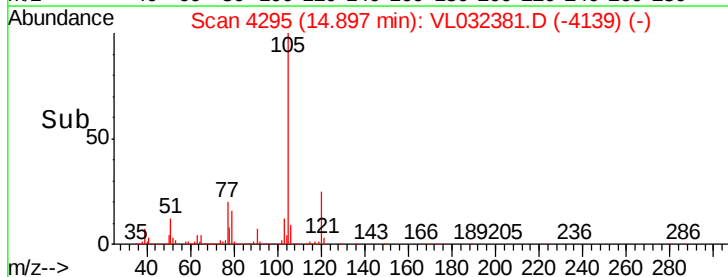
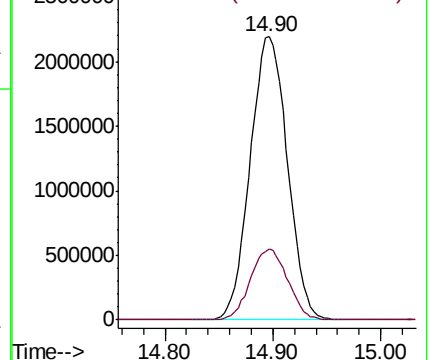
105 100

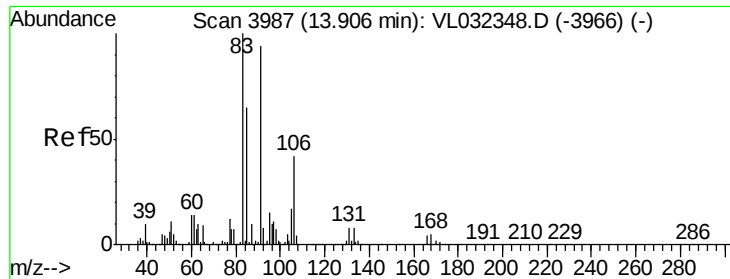
120 25.0 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

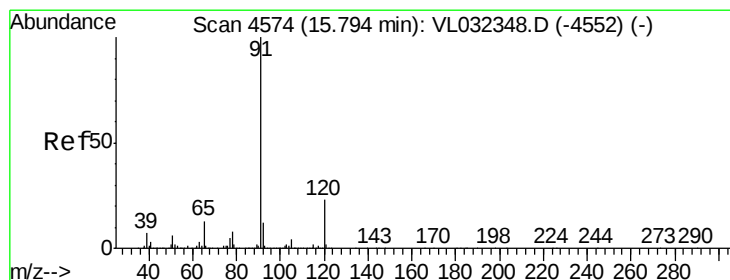
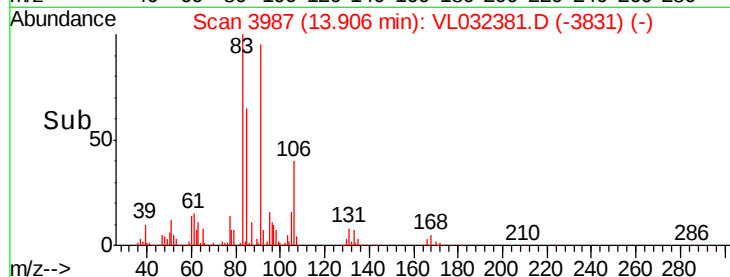
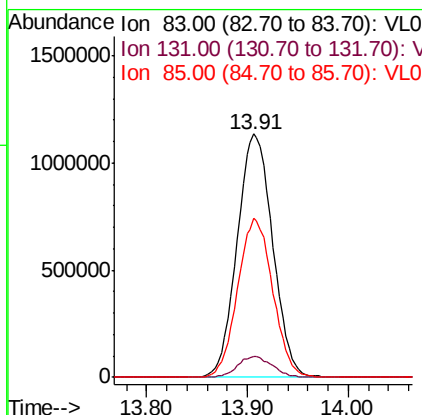
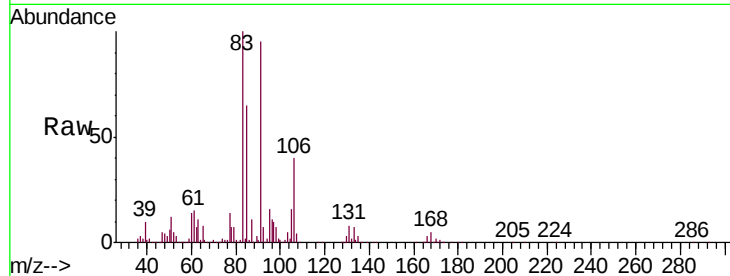




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.563 ppbv
 RT: 13.91 min Scan# 3987
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

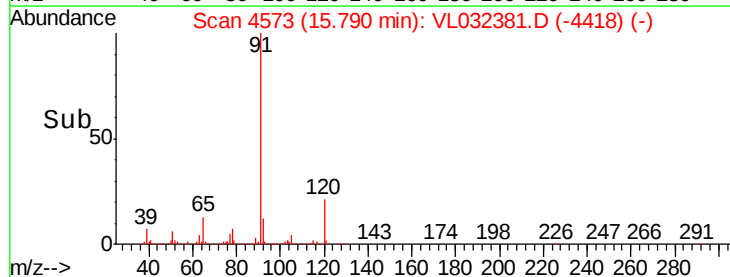
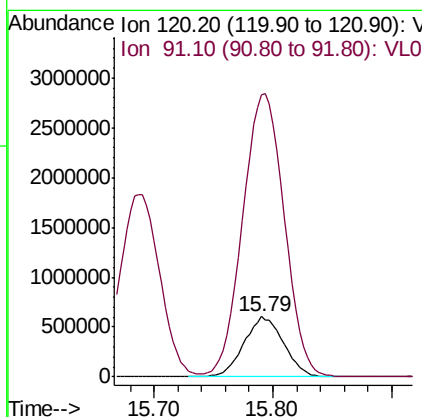
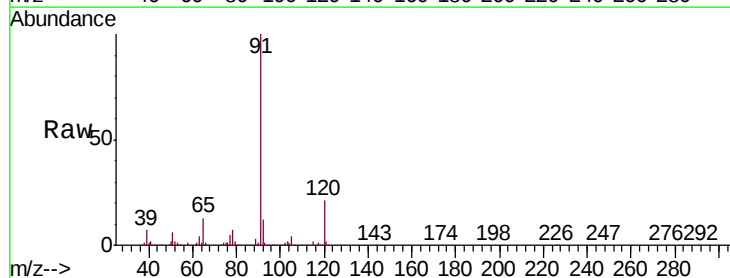
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

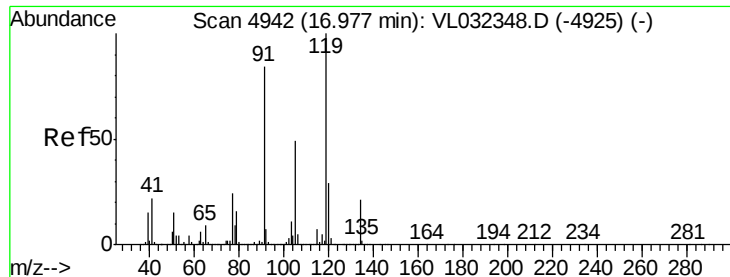
Tgt Ion: 83 Resp: 2772528
 Ion Ratio Lower Upper
 83 100
 131 8.4 4.3 12.8
 85 64.6 32.4 97.2



#64
 n-propylbenzene
 Concen: 8.660 ppbv
 RT: 15.79 min Scan# 4573
 Delta R.T. -0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 120 Resp: 1390903
 Ion Ratio Lower Upper
 120 100
 91 496.0 382.2 573.2

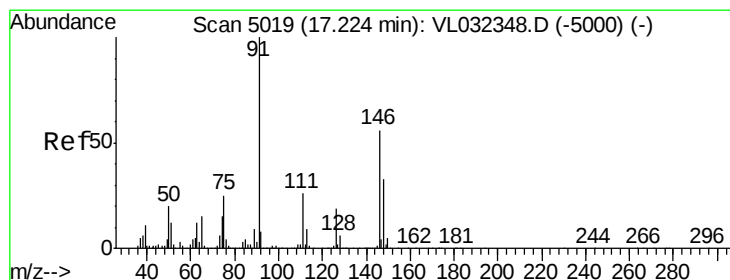
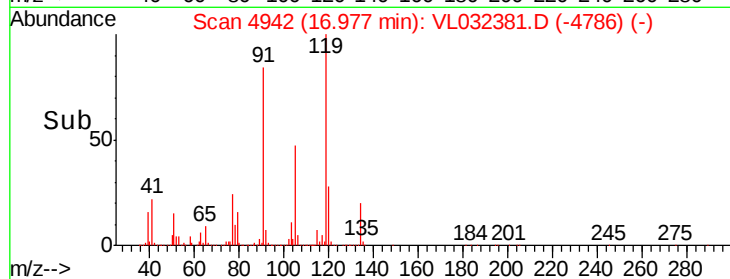
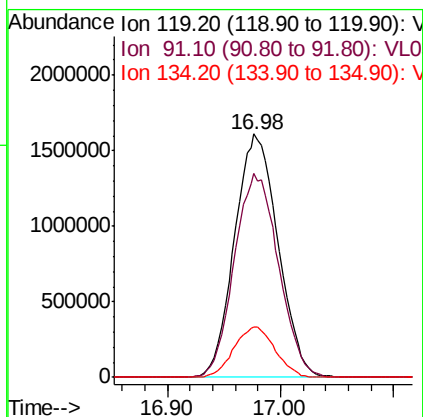
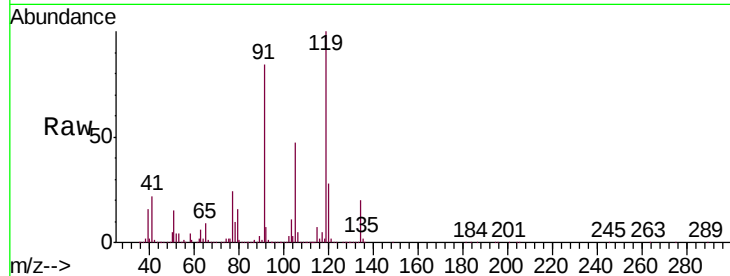




#65
 tert-Butylbenzene
 Concen: 8.085 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

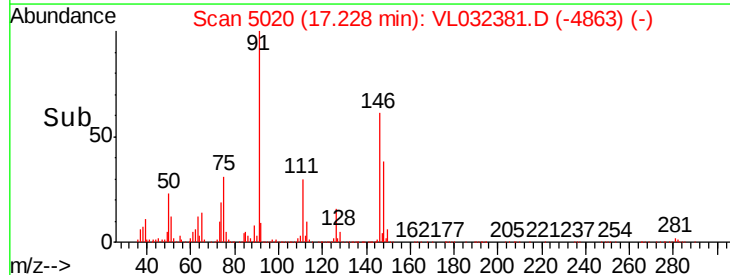
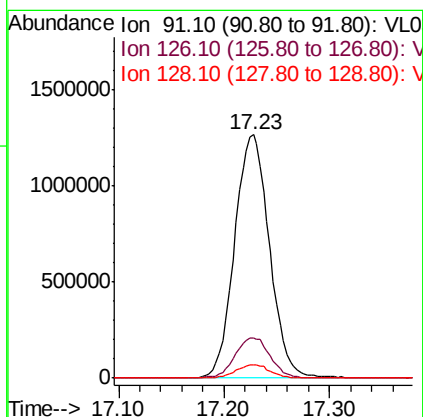
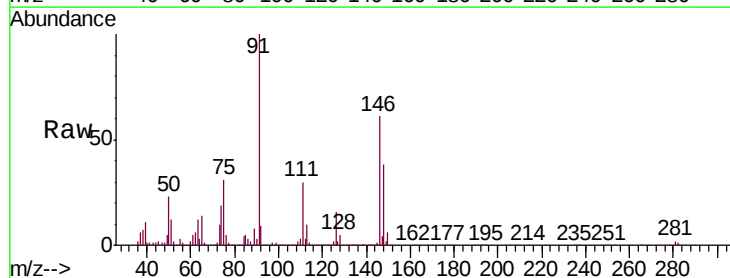
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

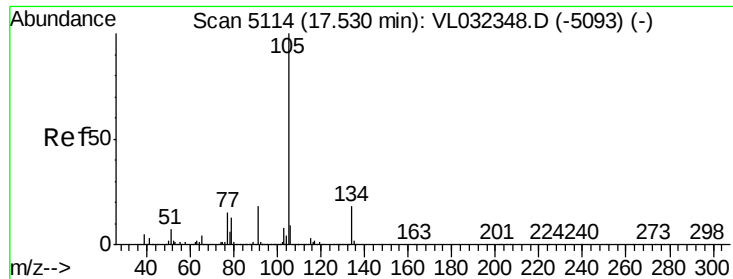
Tgt Ion: 119 Resp: 4286287
 Ion Ratio Lower Upper
 119 100
 91 85.5 67.4 101.0
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 9.188 ppbv
 RT: 17.23 min Scan# 5020
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 91 Resp: 2883996
 Ion Ratio Lower Upper
 91 100
 126 16.9 14.2 21.4
 128 5.3 4.5 6.7

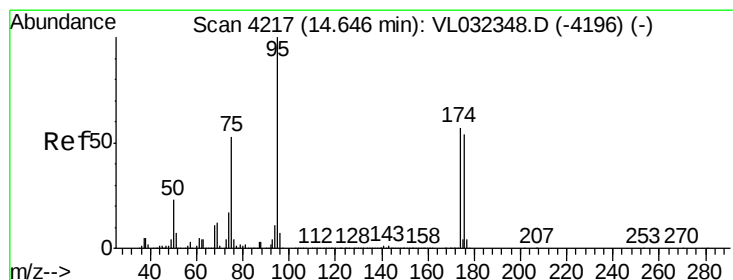
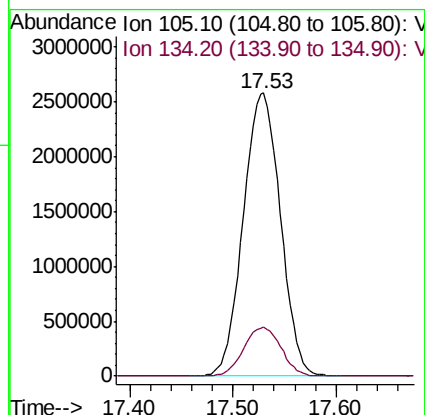
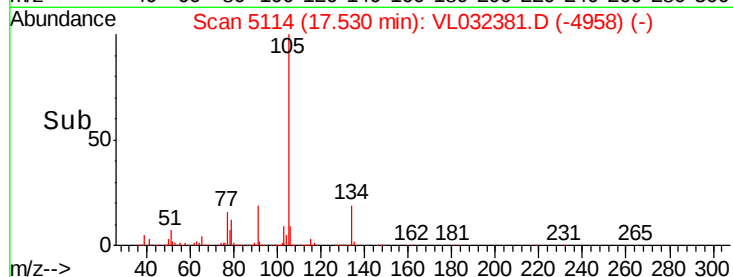
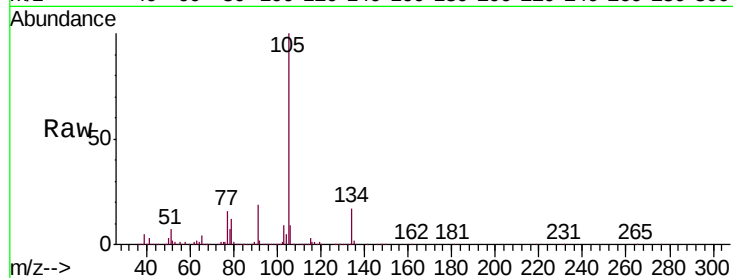




#67
 sec-Butylbenzene
 Concen: 8.193 ppbv
 RT: 17.53 min Scan# 5114
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

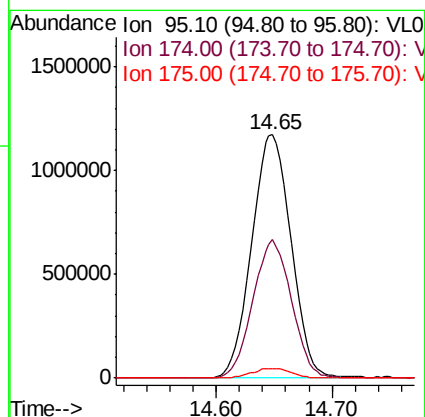
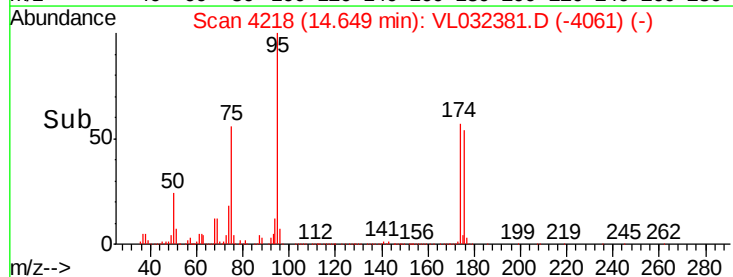
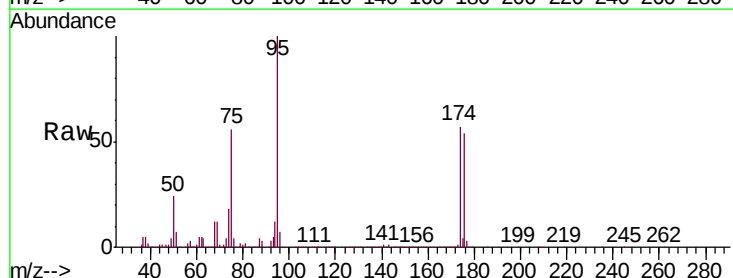
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

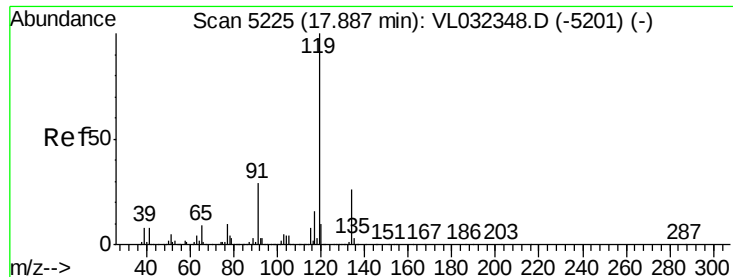
Tgt Ion: 105 Resp: 6458539
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.360 ppbv
 RT: 14.65 min Scan# 4218
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion: 95 Resp: 2768022
 Ion Ratio Lower Upper
 95 100
 174 56.0 46.2 69.4
 175 4.1 3.4 5.0

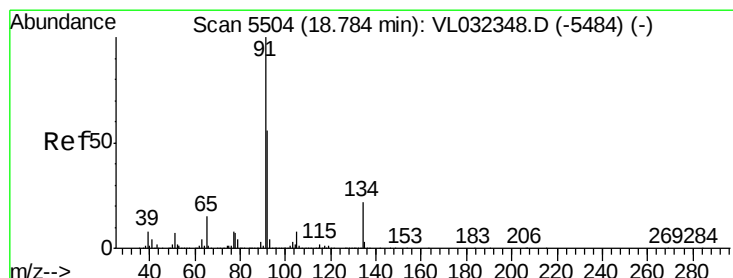
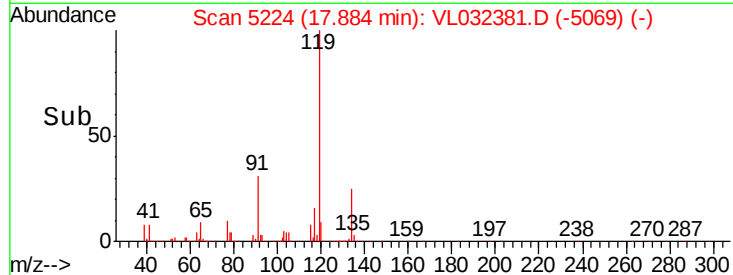
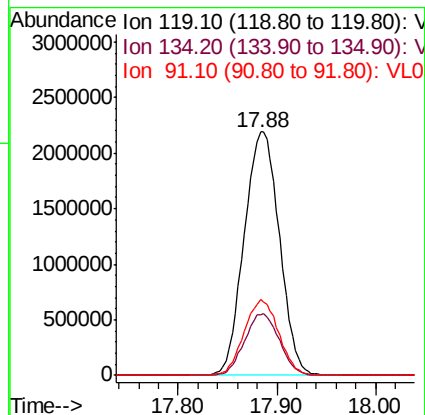
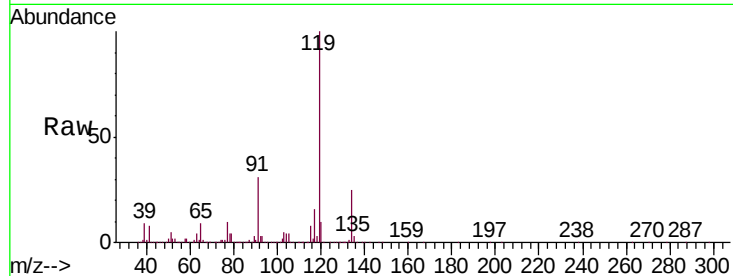




#69
p-Isopropyltoluene
Concen: 8.970 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

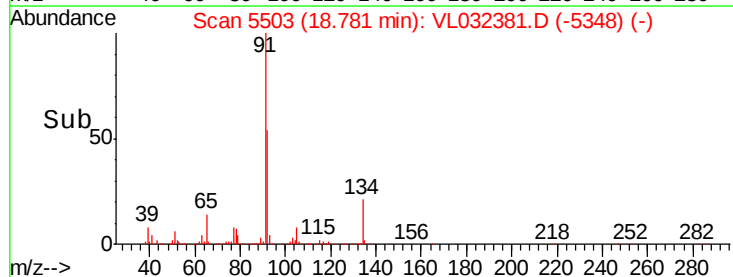
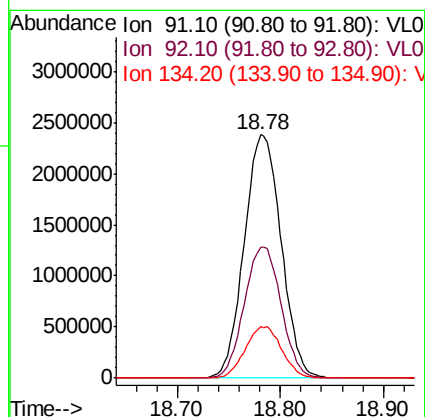
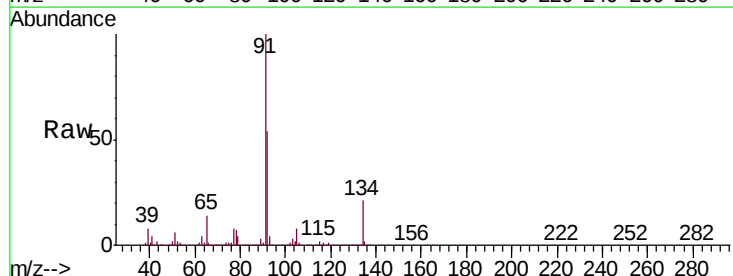
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

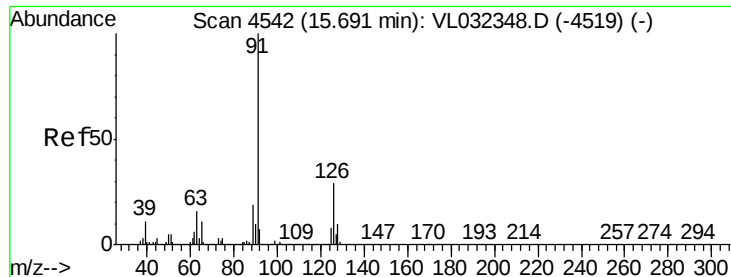
Tgt Ion: 119 Resp: 5411778
Ion Ratio Lower Upper
119 100
134 25.0 20.4 30.6
91 30.3 23.6 35.4



#70
n-Butylbenzene
Concen: 8.938 ppbv
RT: 18.78 min Scan# 5503
Delta R.T. -0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion: 91 Resp: 5912138
Ion Ratio Lower Upper
91 100
92 53.9 43.9 65.9
134 21.0 17.3 25.9

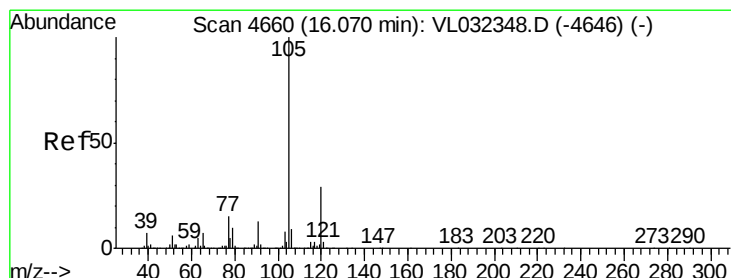
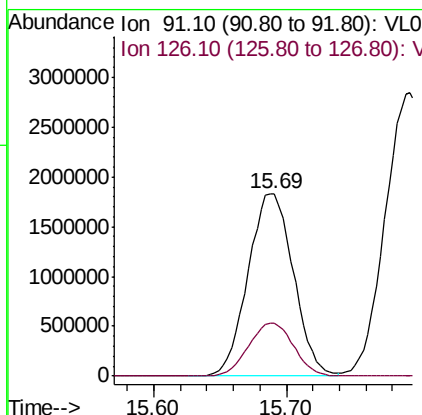
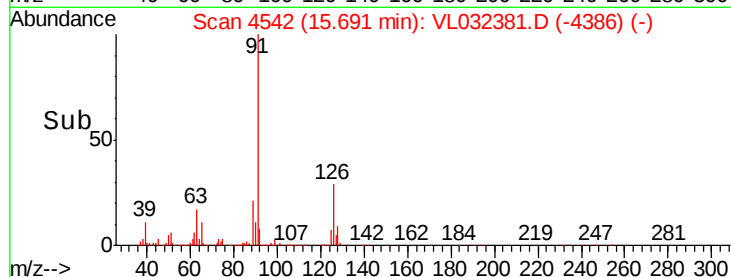
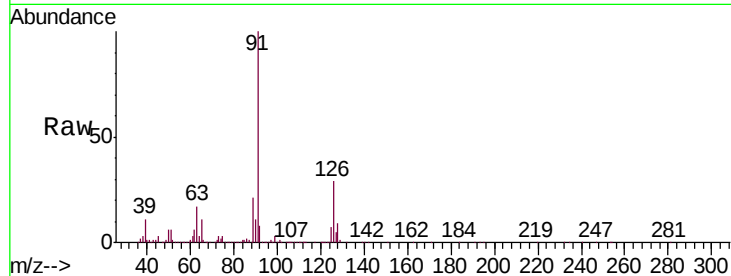




#71
2-Chlorotoluene
Concen: 9.069 ppbv
RT: 15.69 min Scan# 4542
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

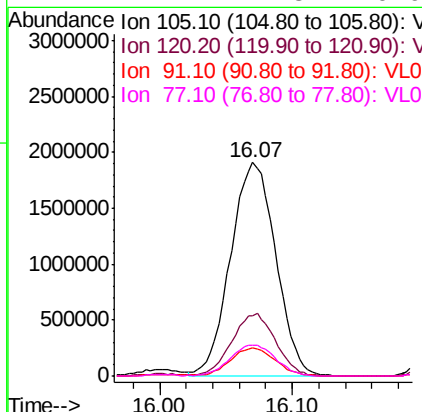
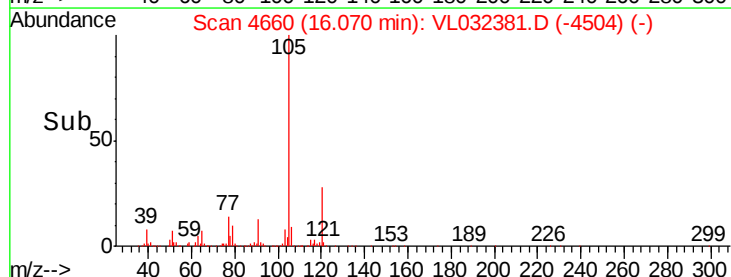
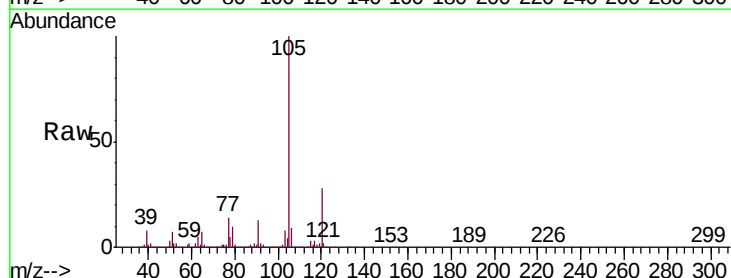
Instrument :
MSVOA_L
ClientSampleId :
VL0816ABSD01

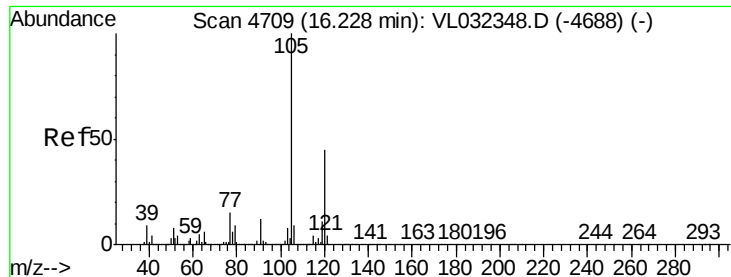
Tgt Ion: 91 Resp: 4355730
Ion Ratio Lower Upper
91 100
126 29.0 11.8 47.2



#72
4-Ethyltoluene
Concen: 9.278 ppbv
RT: 16.07 min Scan# 4660
Delta R.T. 0.00 min
Lab File: VL032381.D
Acq: 16 Aug 2018 17:41

Tgt Ion: 105 Resp: 4511789
Ion Ratio Lower Upper
105 100
120 28.6 23.4 35.0
91 12.9 10.0 15.0
77 14.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.153 ppbv

RT: 16.22 min Scan# 4708

Delta R.T. -0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

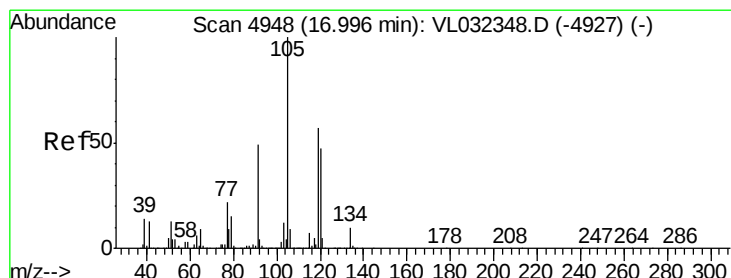
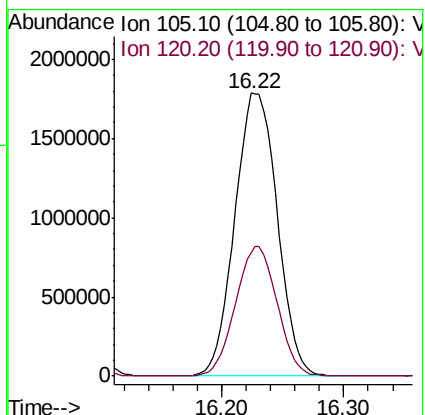
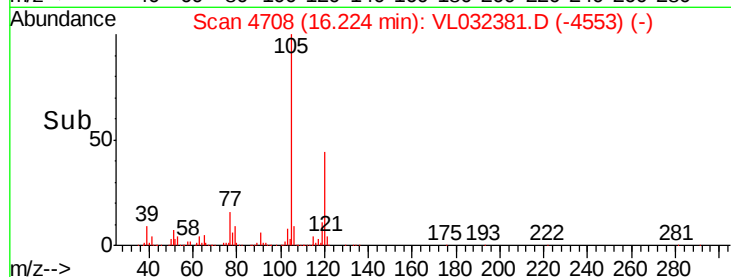
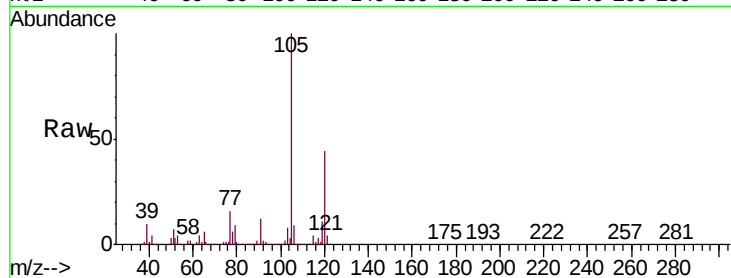
VL0816ABSD01

Tgt Ion:105 Resp: 4280876

Ion Ratio Lower Upper

105 100

120 43.6 36.3 54.5



#74

1,2,4-Trimethylbenzene

Concen: 8.150 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Tgt Ion:105 Resp: 4056141

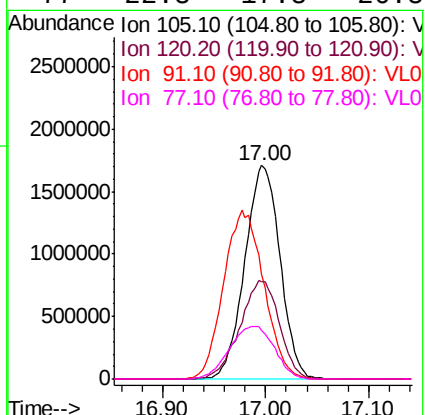
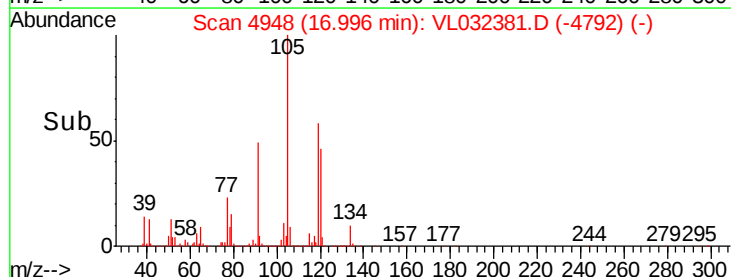
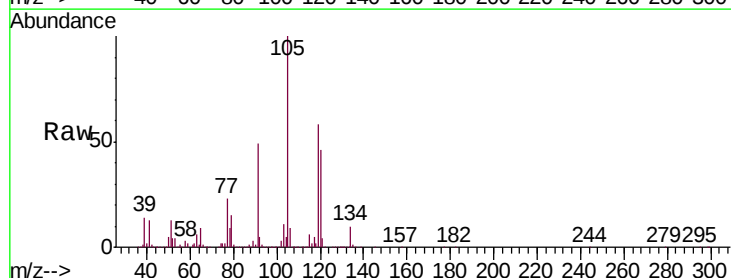
Ion Ratio Lower Upper

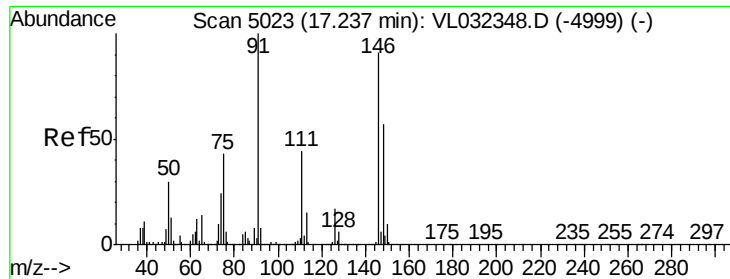
105 100

120 45.7 37.6 56.4

91 49.0 39.9 59.9

77 22.8 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 7.496 ppbv

RT: 17.24 min Scan# 5023

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

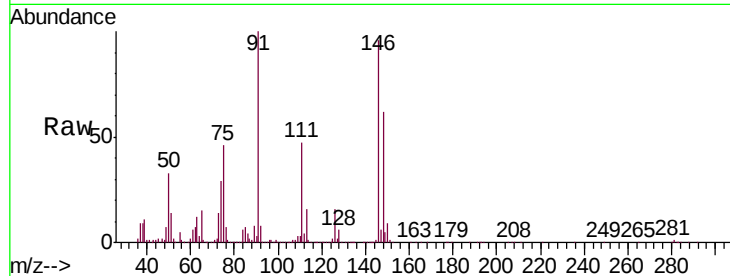
Tgt Ion:146 Resp: 2241957

Ion Ratio Lower Upper

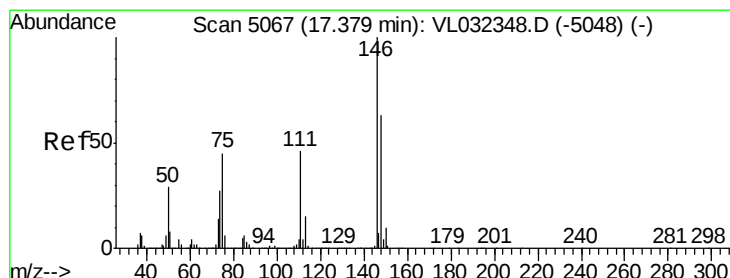
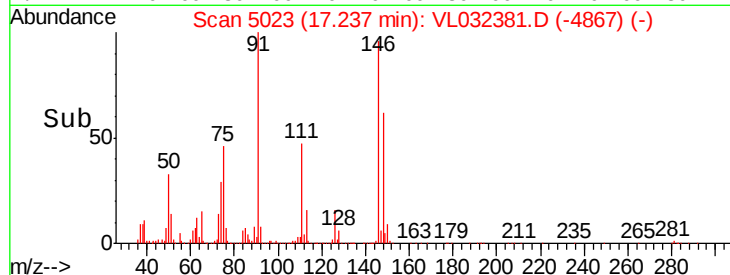
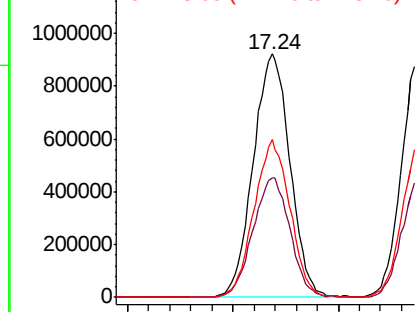
146 100

111 49.7 24.6 73.8

148 63.5 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



#76

1,4-Dichlorobenzene

Concen: 8.102 ppbv

RT: 17.38 min Scan# 5067

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

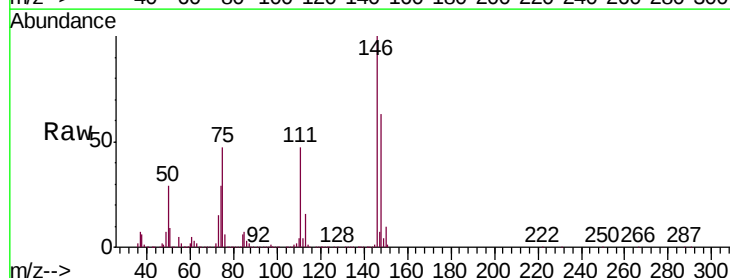
Tgt Ion:146 Resp: 2295149

Ion Ratio Lower Upper

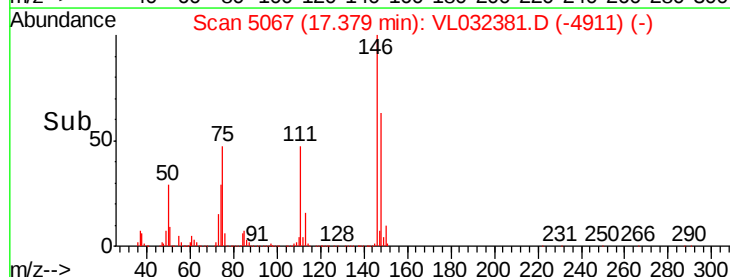
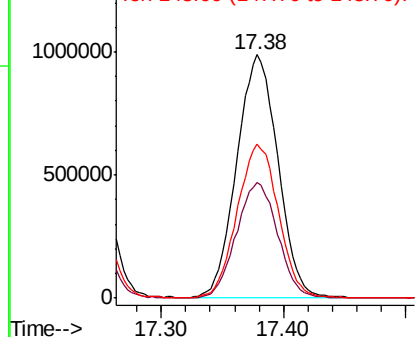
146 100

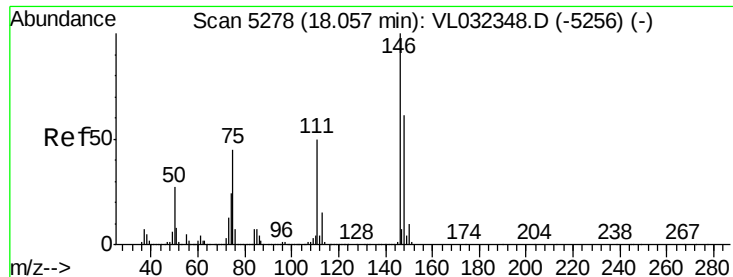
111 48.1 23.8 71.4

148 63.7 32.2 96.6



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

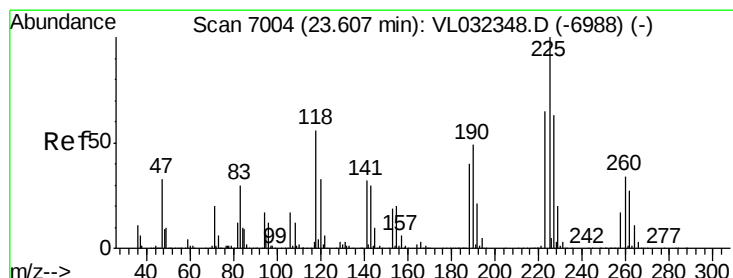
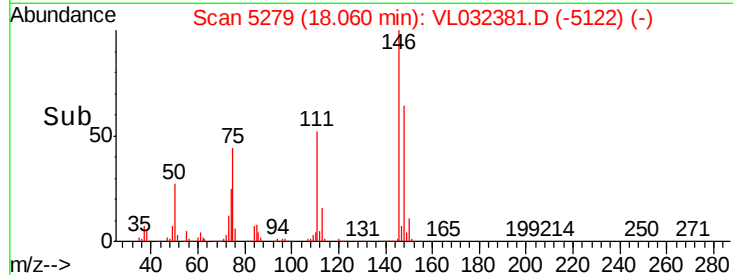
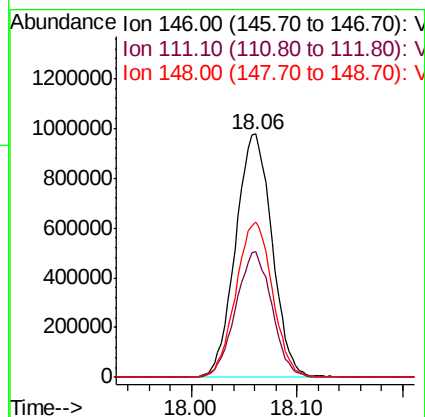
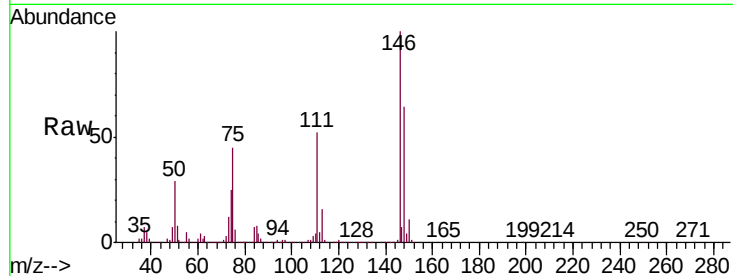




#77
 1,2-Dichlorobenzene
 Concen: 8.228 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

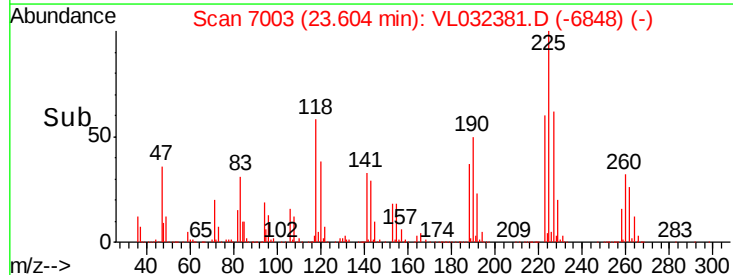
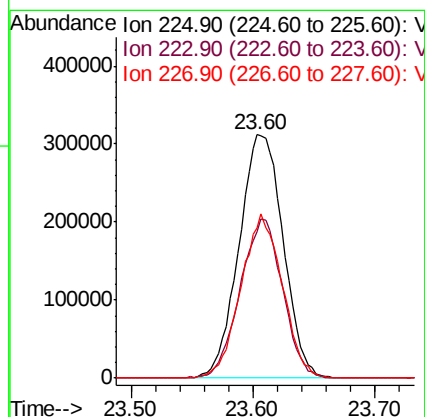
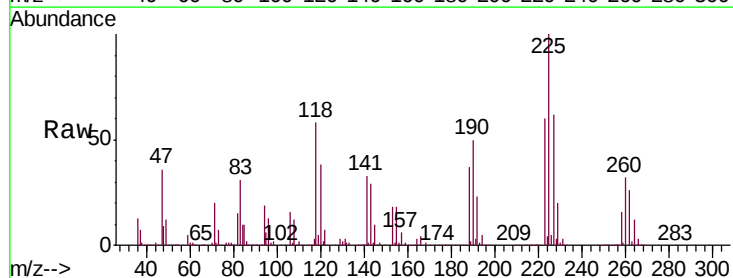
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0816ABSD01

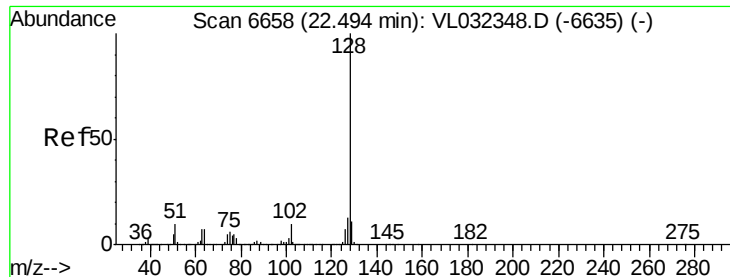
Tgt Ion:146 Resp: 2351294
 Ion Ratio Lower Upper
 146 100
 111 51.1 25.2 75.6
 148 64.4 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.128 ppbv
 RT: 23.60 min Scan# 7003
 Delta R.T. -0.00 min
 Lab File: VL032381.D
 Acq: 16 Aug 2018 17:41

Tgt Ion:225 Resp: 779667
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.6 76.0
 227 63.3 51.0 76.6





#79

Naphthalene

Concen: 8.817 ppbv

RT: 22.49 min Scan# 6657

Delta R.T. -0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

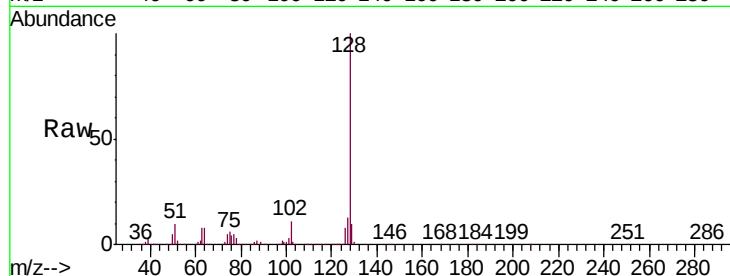
Tgt Ion:128 Resp: 4085037

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

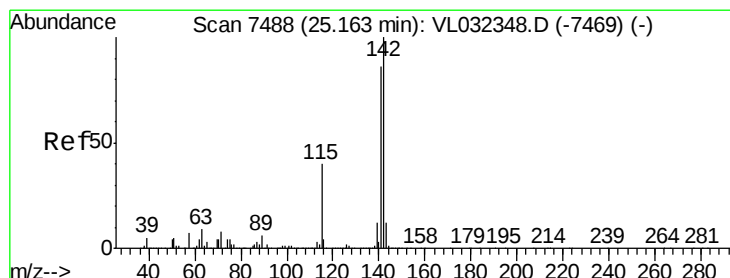
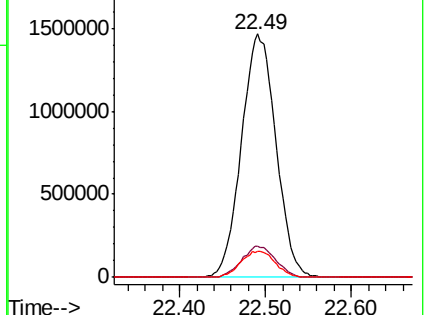
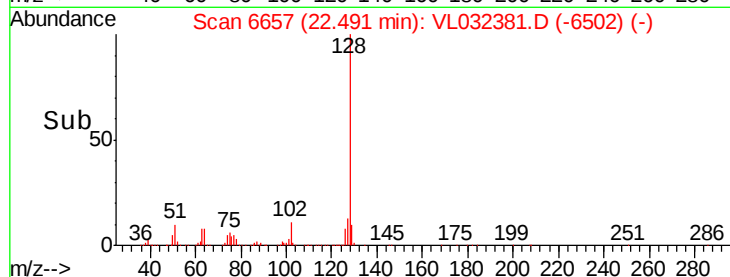
129 10.5 8.6 13.0



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: 16.590 ppbv

RT: 25.16 min Scan# 7488

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

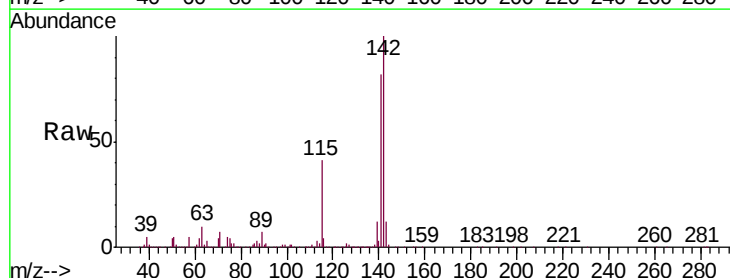
Tgt Ion:142 Resp: 1647223

Ion Ratio Lower Upper

142 100

141 83.4 66.7 100.1

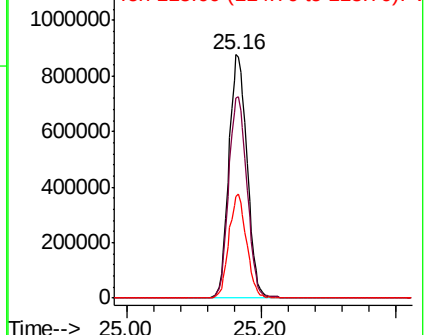
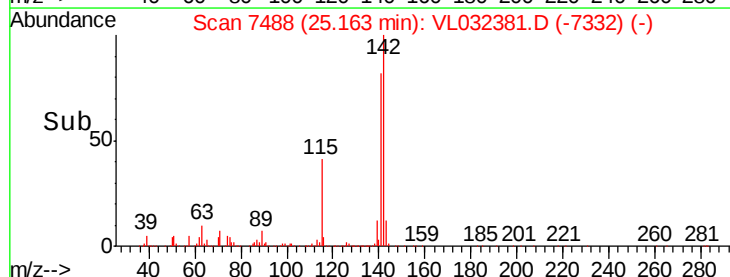
115 41.5 31.0 46.6

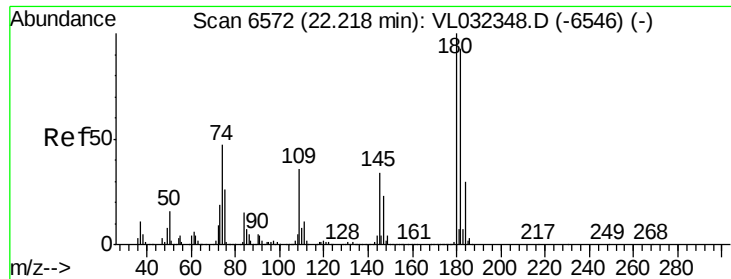


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.735 ppbv

RT: 22.22 min Scan# 6572

Delta R.T. 0.00 min

Lab File: VL032381.D

Acq: 16 Aug 2018 17:41

Instrument :

MSVOA_L

ClientSampleId :

VL0816ABSD01

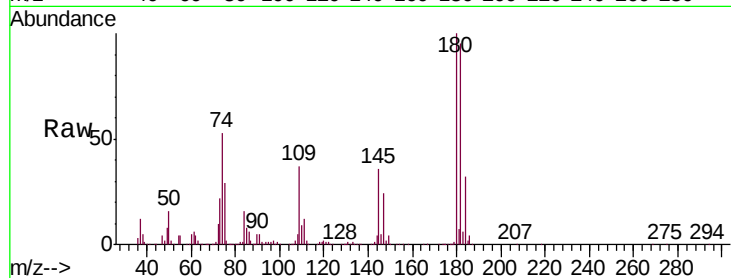
Tgt Ion:180 Resp: 1873543

Ion Ratio Lower Upper

180 100

182 97.0 76.1 114.1

184 30.7 24.2 36.2



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

