

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
 Data File : VL032406.D
 Acq On : 17 Aug 2018 13:19
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 17 23:22:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1740048	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3621073	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4416838	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2687161	7.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.11	85	2159143	15.670	ppbv	100
3) Chlorodifluoromethane	3.05	51	1634791	10.142	ppbv	99
4) Chloromethane	3.21	50	980762	10.224	ppbv	99
5) Vinyl Chloride	3.33	62	941320	10.294	ppbv	94
6) Bromomethane	3.55	94	518734	10.581	ppbv	97
7) Chloroethane	3.64	64	331670	10.343	ppbv	95
8) Dichlorotetrafluoroethane	3.26	85	1948468	9.910	ppbv	98
9) Propene	3.07	41	796189	11.541	ppbv	99
10) Heptane	8.31	43	2605939	12.542	ppbv	99
11) Trichlorofluoromethane	4.05	101	1927889	9.906	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1296012	9.890	ppbv	98
13) Ethanol	3.69	45	177727	10.031	ppbv	98
14) Bromoethene	3.83	108	598707	10.563	ppbv	99
15) Acetone	3.95	43	1555822	9.411	ppbv	99
16) 1,3-Butadiene	3.40	39	805691	11.804	ppbv	85
17) tert-Butyl alcohol	4.41	59	171005	6.165	ppbv #	84
18) 1,1-Dichloroethene	4.40	96	630506	10.326	ppbv	99
19) Isopropyl Alcohol	4.07	45	1199427	10.774	ppbv	100
20) Methylene Chloride	4.46	84	556415	8.911	ppbv	96
21) Allyl Chloride	4.53	41	1159503	11.112	ppbv	100
22) trans-1,2-Dichloroethene	5.02	96	691915	11.237	ppbv	99
23) Vinyl Acetate	5.21	43	3066674	10.742	ppbv	99
24) 1,1-Dichloroethane	5.14	63	2140917	10.387	ppbv	99
25) Ethyl Acetate	5.82	43	3766243	10.630	ppbv	100
26) Hexane	5.84	57	1700170	10.764	ppbv	98
27) Carbon Disulfide	4.67	76	1638908	11.117	ppbv	99
28) Methyl tert-Butyl Ether	5.16	73	2371644	11.315	ppbv	100
29) Chloroform	5.91	83	2471567	10.678	ppbv	100
30) Cyclohexane	7.31	84	1404126	11.671	ppbv	98
31) cis-1,2-Dichloroethene	5.70	61	1789360	11.580	ppbv	98
32) 1,1,1-Trichloroethane	6.68	97	2315928	10.281	ppbv	100
34) 2-Butanone	5.38	43	2707261	10.985	ppbv	98
35) Carbon Tetrachloride	7.20	117	2388797	11.188	ppbv	97
36) Benzene	7.07	78	3391665	11.048	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1950295	10.471	ppbv	99
38) Trichloroethene	8.03	130	1136572	10.555	ppbv	97
39) 1,2-Dichloropropane	7.80	63	1390360	10.842	ppbv	99
40) 1,4-Dioxane	8.02	88	434914	11.165	ppbv	67
41) Tetrahydrofuran	6.21	42	1568586	11.856	ppbv	99
42) Bromodichloromethane	7.98	83	2644130	10.842	ppbv	99
43) Methyl Methacrylate	8.20	69	1577233	12.894	ppbv	99

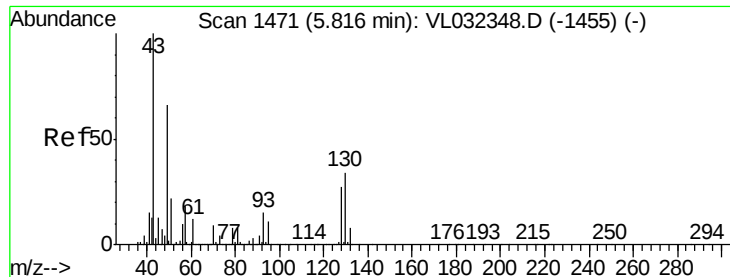
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	6383943	11.532	ppbv	100
45) t-1,3-Dichloropropene	9.48	75	1885250	12.185	ppbv	97
46) cis-1,3-Dichloropropene	8.90	75	2303975	12.417	ppbv	96
47) 1,1,2-Trichloroethane	9.68	97	1317467	9.334	ppbv	99
48) Dibromochloromethane	10.52	129	2063670	10.937	ppbv	99
49) Bromoform	13.27	173	1716257	10.950	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	4038252	11.346	ppbv	99
51) 2-Hexanone	10.34	43	2853928	11.418	ppbv	99
52) Tetrachloroethene	11.44	164	975972	10.780	ppbv	98
53) Toluene	10.02	91	3691966	10.971	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1947178	10.741	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.35	131	1499792	8.208	ppbv #	57
57) Chlorobenzene	12.37	112	2728080	8.205	ppbv	99
58) Ethyl Benzene	12.93	91	4921831	9.262	ppbv	99
59) m/p-Xylene	13.22	91	3600733	7.977	ppbv #	17
60) o-Xylene	13.92	91	3886172	8.759	ppbv	99
61) Styrene	13.76	104	3028238	9.766	ppbv	100
62) Isopropylbenzene	14.90	105	5487649	8.689	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2927769	7.847	ppbv	100
64) n-propylbenzene	15.79	120	1438834	8.802	ppbv	96
65) tert-Butylbenzene	16.98	119	4684766	8.683	ppbv	100
66) Benzyl Chloride	17.22	91	3264872	10.220	ppbv	99
67) sec-Butylbenzene	17.53	105	7157173	8.922	ppbv	99
69) p-Isopropyltoluene	17.88	119	5692546	9.271	ppbv	100
70) n-Butylbenzene	18.78	91	6245904	9.278	ppbv	99
71) 2-Chlorotoluene	15.69	91	4426611	9.056	ppbv	99
72) 4-Ethyltoluene	16.07	105	4614175	9.324	ppbv	100
73) 1,3,5-Trimethylbenzene	16.23	105	4393005	9.229	ppbv	98
74) 1,2,4-Trimethylbenzene	17.00	105	4451970	8.790	ppbv	97
75) 1,3-Dichlorobenzene	17.24	146	2485046	8.164	ppbv	100
76) 1,4-Dichlorobenzene	17.38	146	2554052	8.859	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	2513221	8.642	ppbv	100
78) Hexachloro-1,3-Butadiene	23.60	225	1497068	15.336	ppbv	100
79) Naphthalene	22.49	128	4313248	9.135	ppbv	99
80) Naphthalene,2-methyl-	25.17	142	1717114	16.993	ppbv	99
81) 1,2,4-Trichlorobenzene	22.22	180	970459	4.955	ppbv #	4

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

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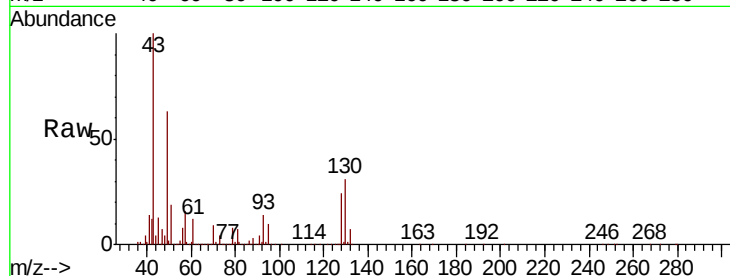
Tgt Ion: 49 Resp: 1740048

Ion Ratio Lower Upper

49 100

128 39.9 20.5 61.6

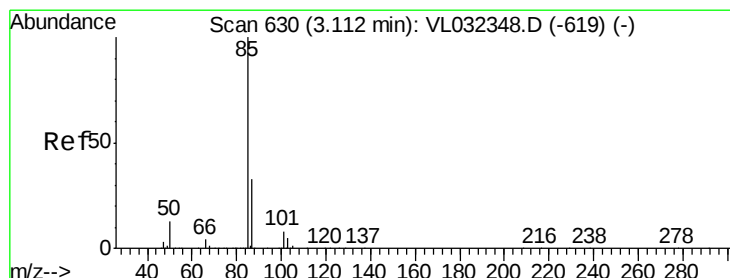
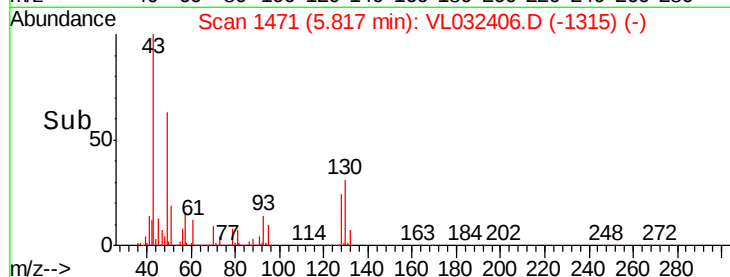
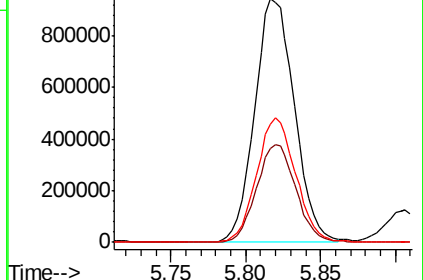
130 50.3 26.2 78.5



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: 15.670 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032406.D

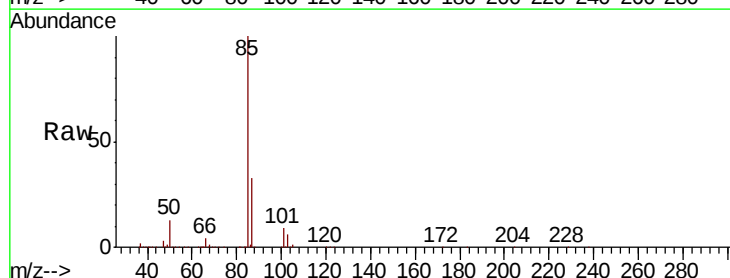
Acq: 17 Aug 2018 13:19

Tgt Ion: 85 Resp: 2159143

Ion Ratio Lower Upper

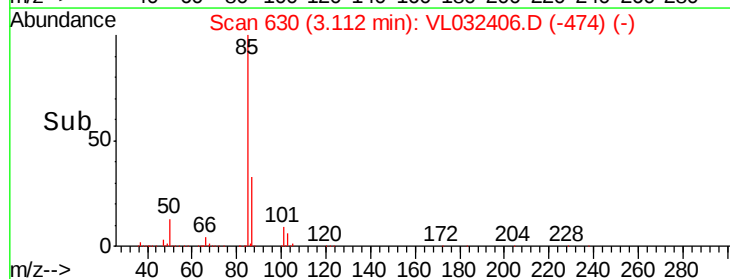
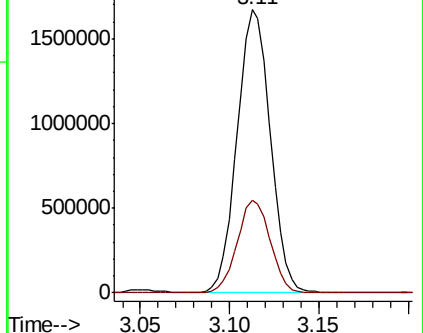
85 100

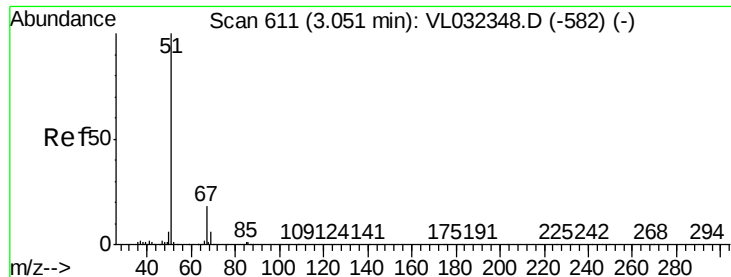
87 32.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.142 ppbv

RT: 3.05 min Scan# 611

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

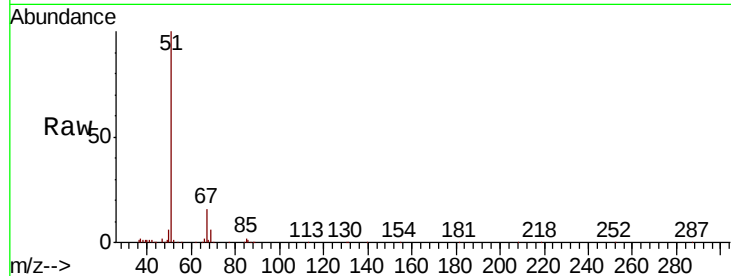
VSTDCCC010

Tgt Ion: 51 Resp: 1634791

Ion Ratio Lower Upper

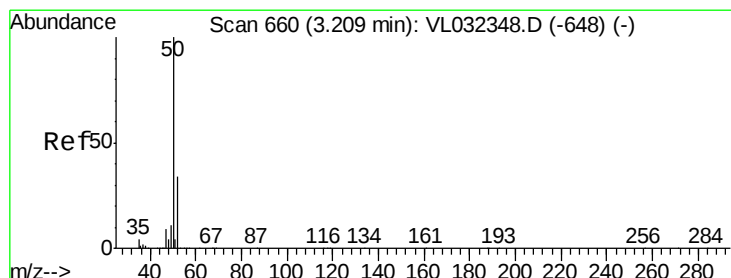
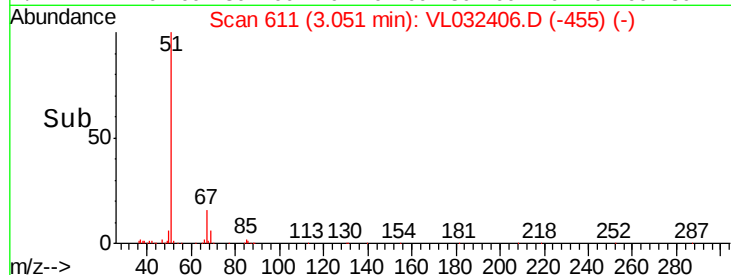
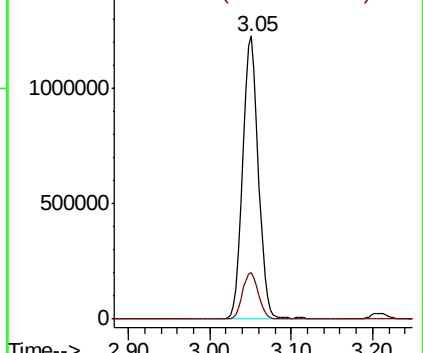
51 100

67 16.8 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: 10.224 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032406.D

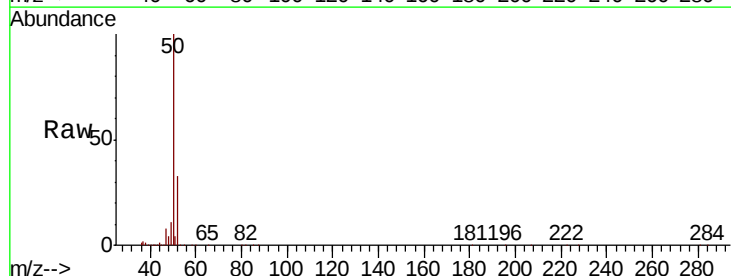
Acq: 17 Aug 2018 13:19

Tgt Ion: 50 Resp: 980762

Ion Ratio Lower Upper

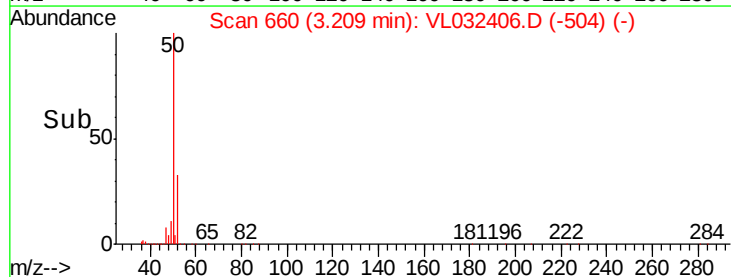
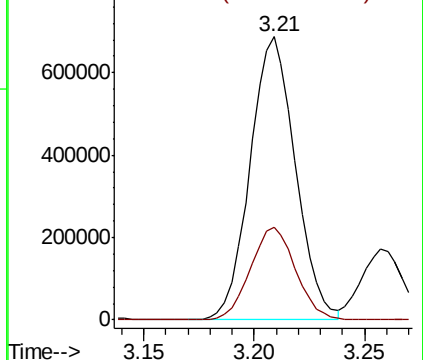
50 100

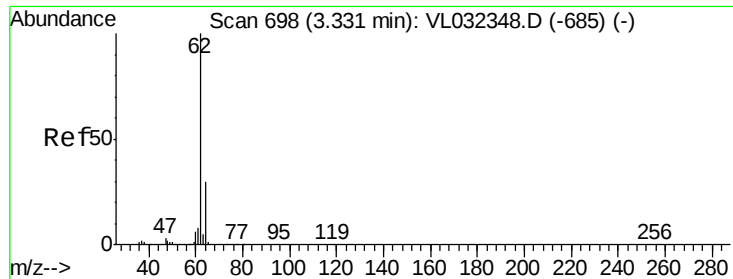
52 32.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.294 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

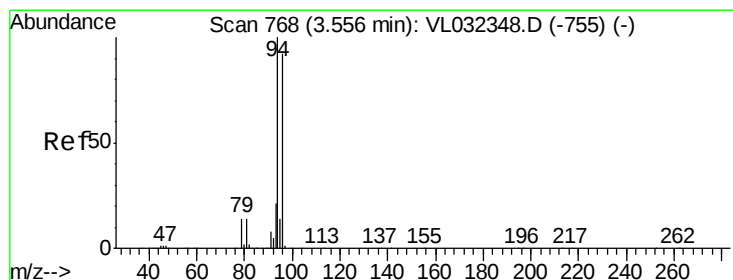
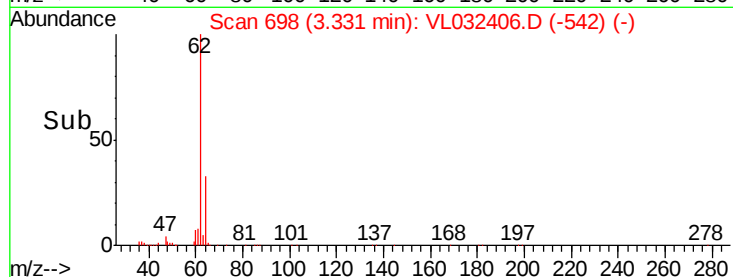
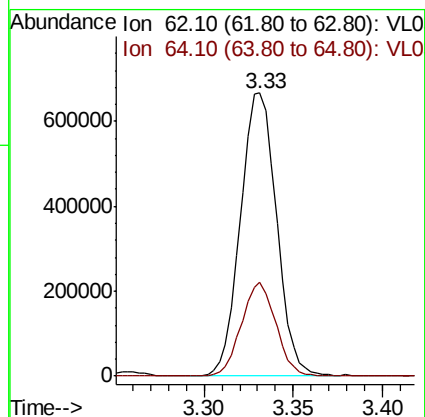
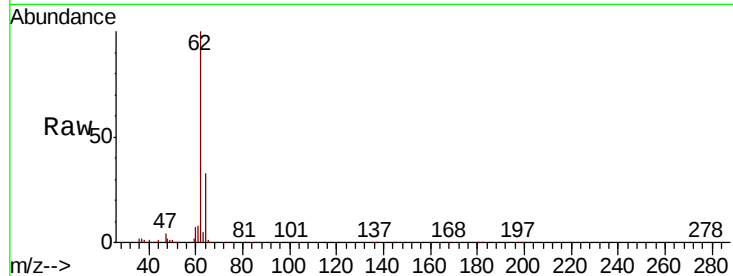
VSTDCCC010

Tgt Ion: 62 Resp: 941320

Ion Ratio Lower Upper

62 100

64 33.3 24.2 36.2



#6

Bromomethane

Concen: 10.581 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032406.D

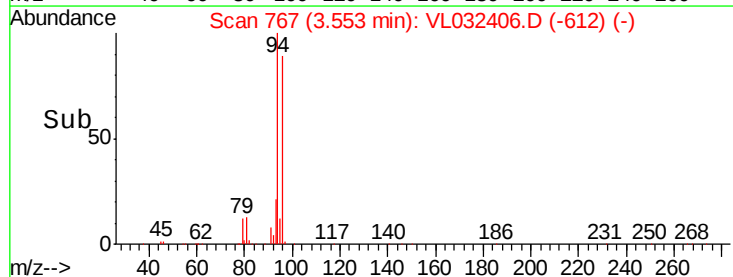
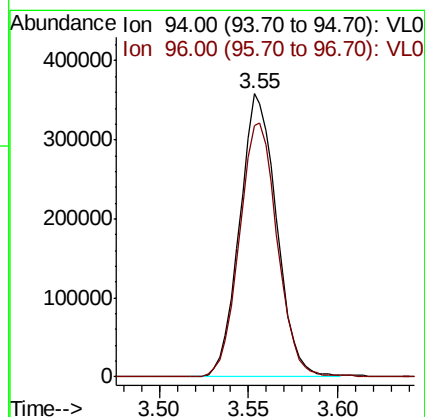
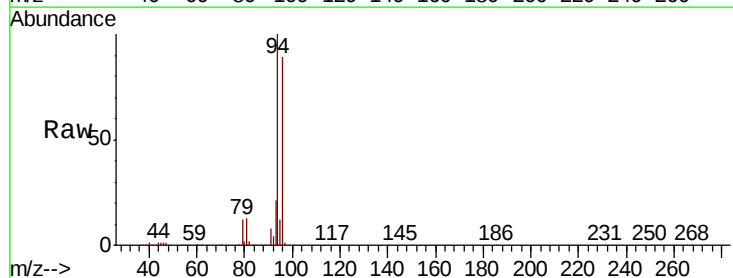
Acq: 17 Aug 2018 13:19

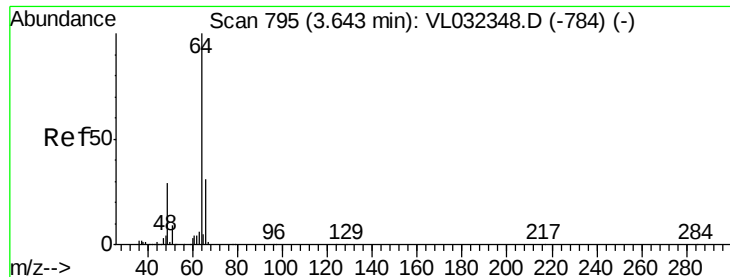
Tgt Ion: 94 Resp: 518734

Ion Ratio Lower Upper

94 100

96 88.9 73.7 110.5





#7

Chloroethane

Concen: 10.343 ppbv

RT: 3.64 min Scan# 795

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

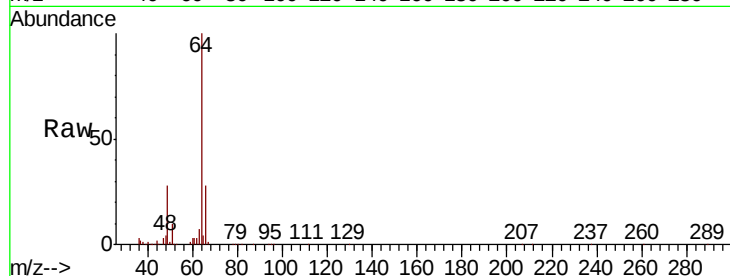
VSTDCCC010

Tgt Ion: 64 Resp: 331670

Ion Ratio Lower Upper

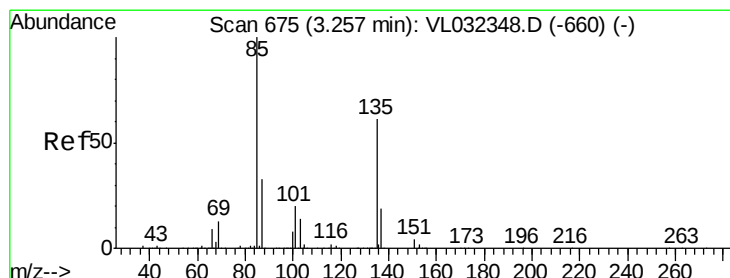
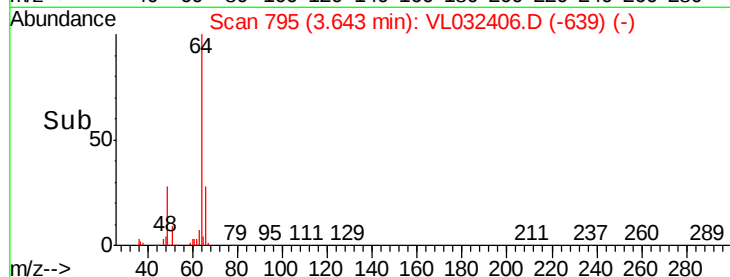
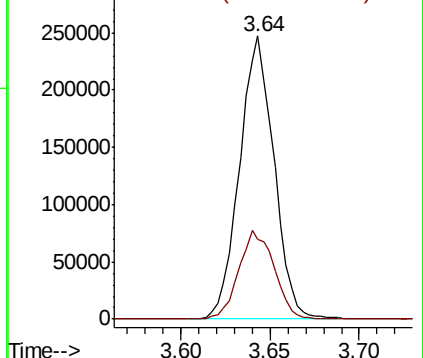
64 100

66 28.2 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.910 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032406.D

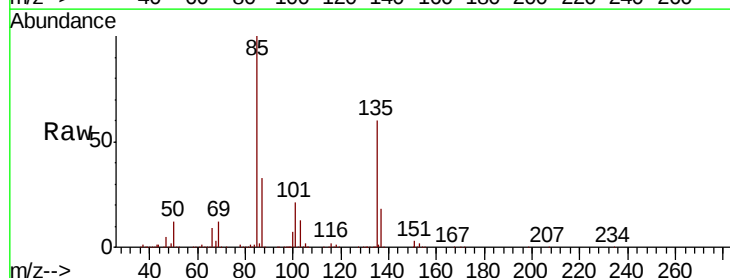
Acq: 17 Aug 2018 13:19

Tgt Ion: 85 Resp: 1948468

Ion Ratio Lower Upper

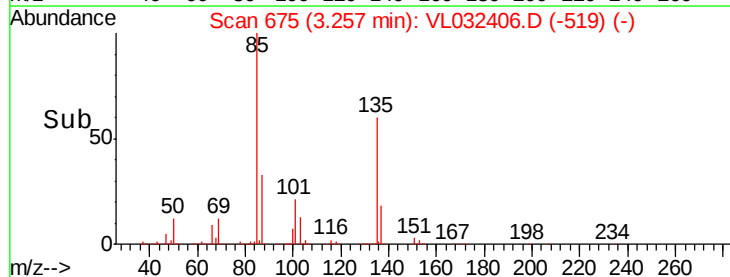
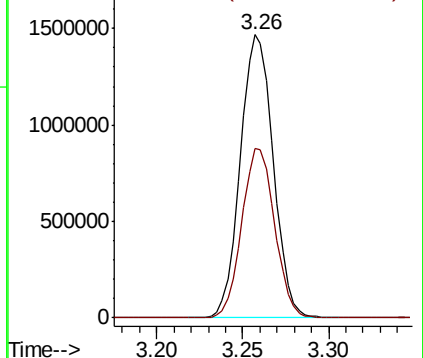
85 100

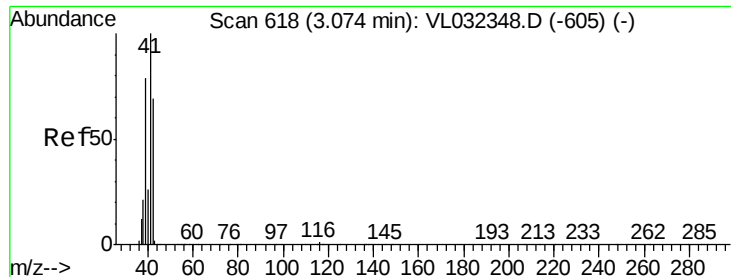
135 60.0 49.0 73.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 11.541 ppbv

RT: 3.07 min Scan# 618

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

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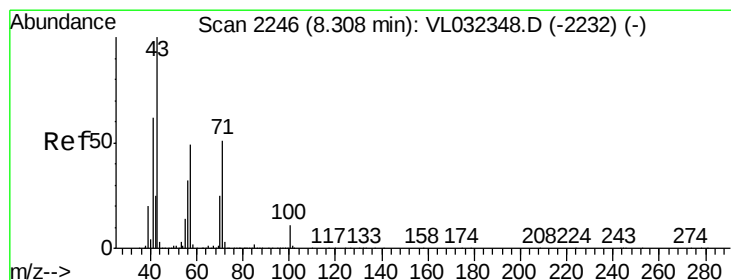
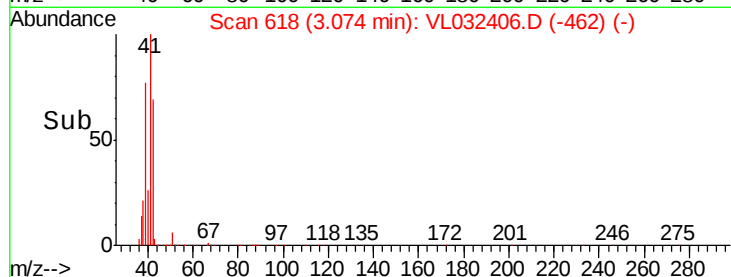
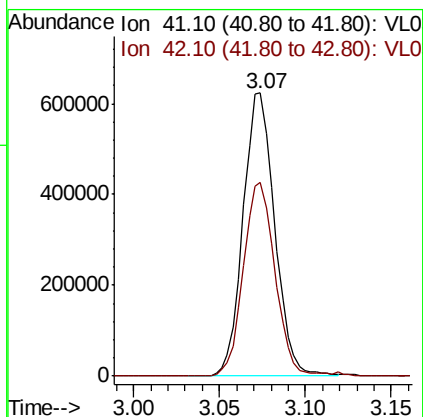
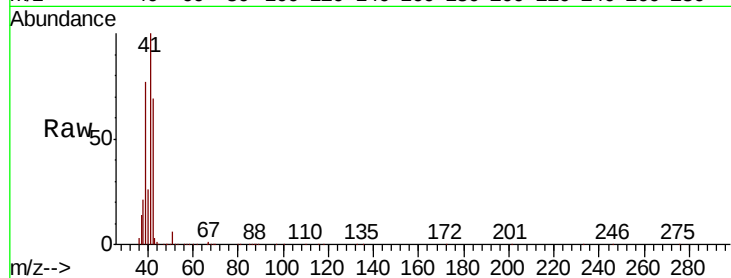
VSTDCCC010

Tgt Ion: 41 Resp: 796189

Ion Ratio Lower Upper

41 100

42 69.2 55.9 83.9



#10

Heptane

Concen: 12.542 ppbv

RT: 8.31 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VL032406.D

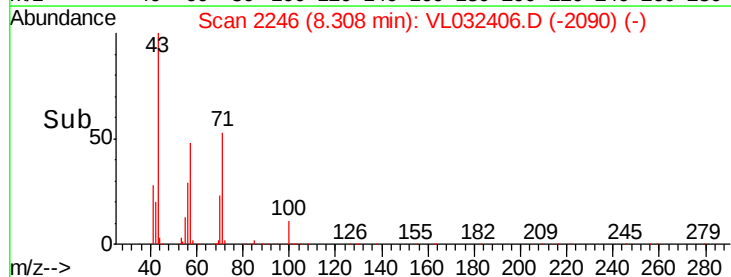
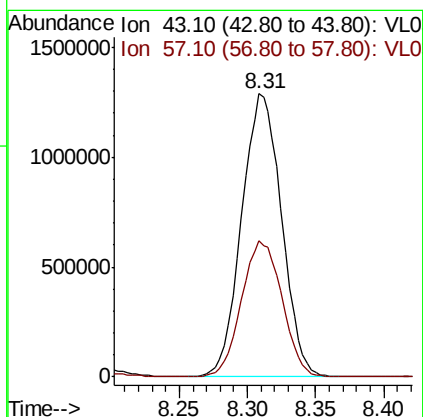
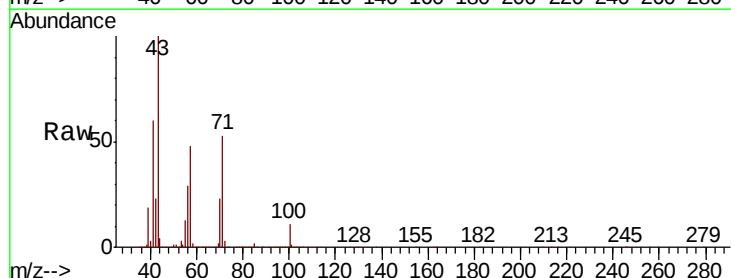
Acq: 17 Aug 2018 13:19

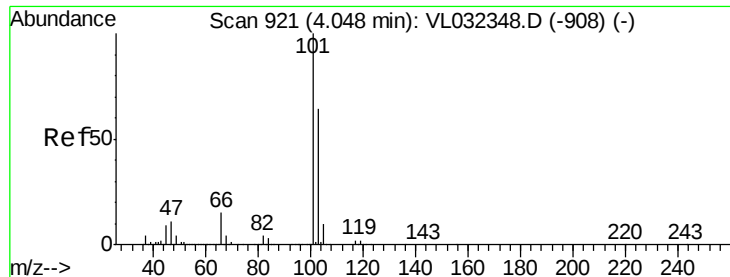
Tgt Ion: 43 Resp: 2605939

Ion Ratio Lower Upper

43 100

57 48.8 39.5 59.3





#11

Trichlorofluoromethane

Concen: 9.906 ppbv

RT: 4.05 min Scan# 921

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

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ClientSampleId :

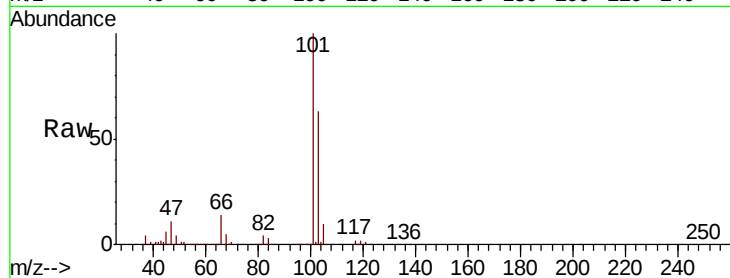
VSTDCCC010

Tgt Ion:101 Resp: 1927889

Ion Ratio Lower Upper

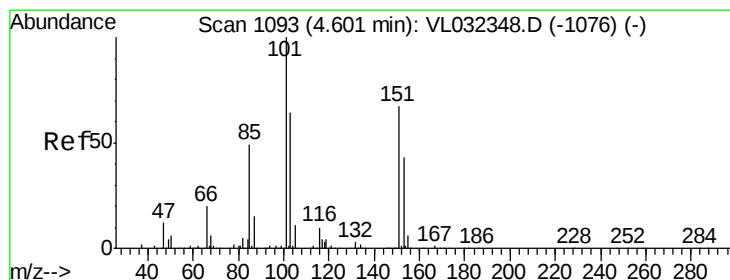
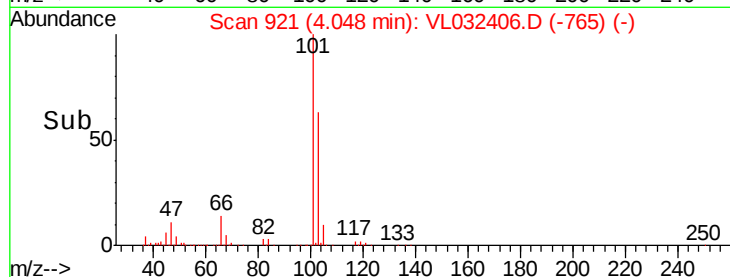
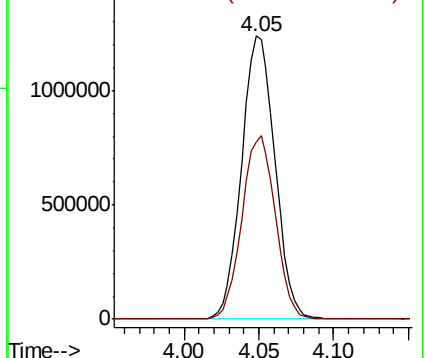
101 100

103 62.8 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.890 ppbv

RT: 4.60 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL032406.D

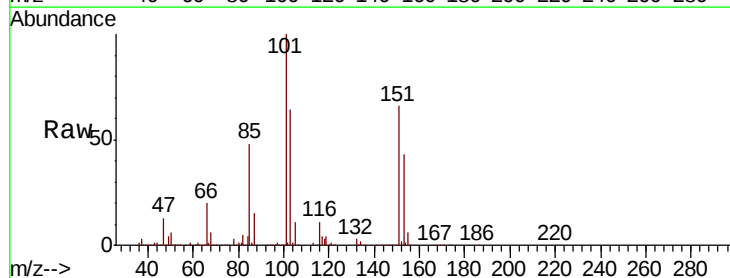
Acq: 17 Aug 2018 13:19

Tgt Ion:101 Resp: 1296012

Ion Ratio Lower Upper

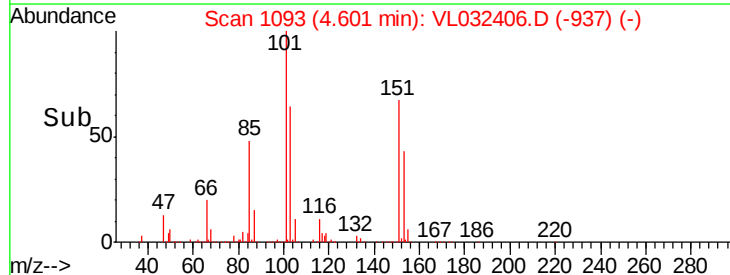
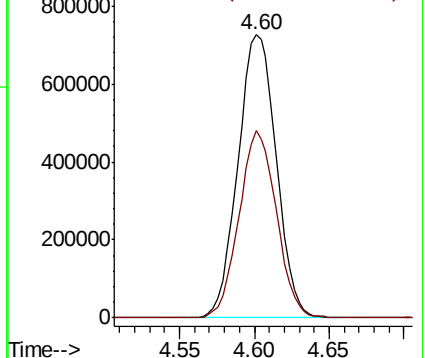
101 100

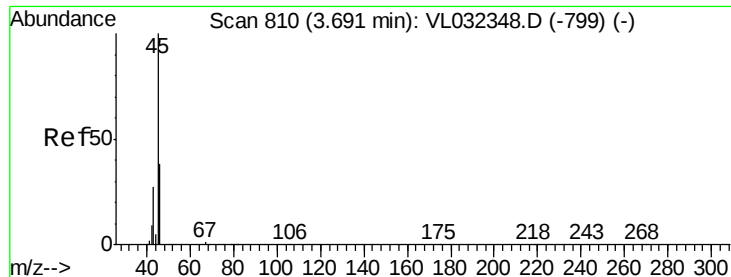
151 64.5 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 10.031 ppbv

RT: 3.69 min Scan# 811

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

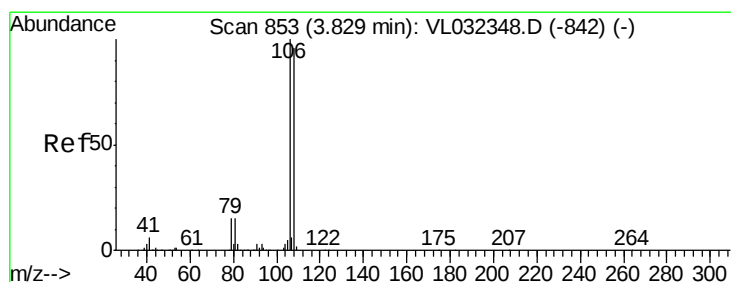
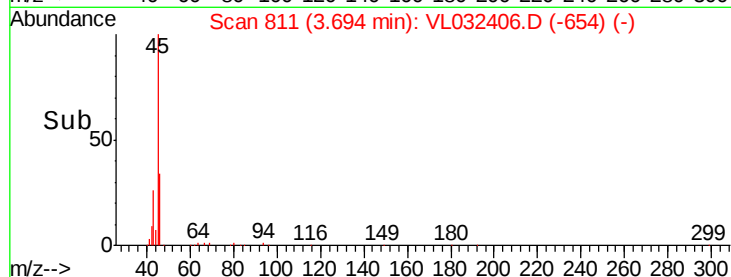
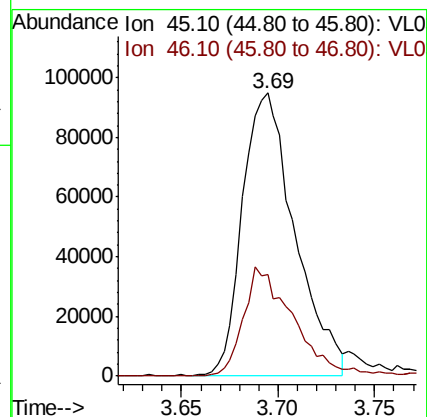
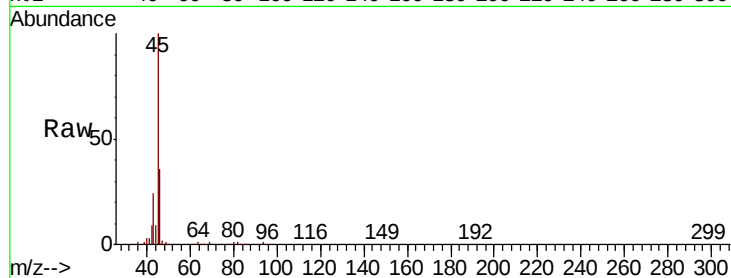
VSTDCCC010

Tgt Ion: 45 Resp: 177727

Ion Ratio Lower Upper

45 100

46 37.9 15.6 62.4



#14

Bromoethene

Concen: 10.563 ppbv

RT: 3.83 min Scan# 853

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

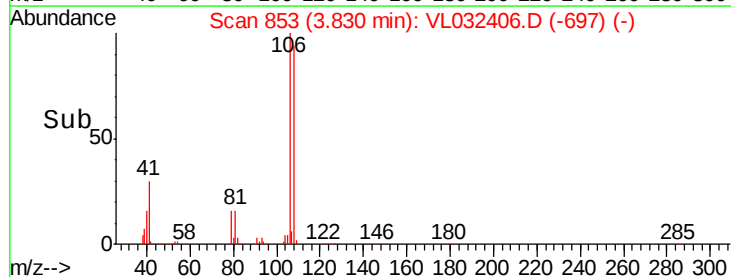
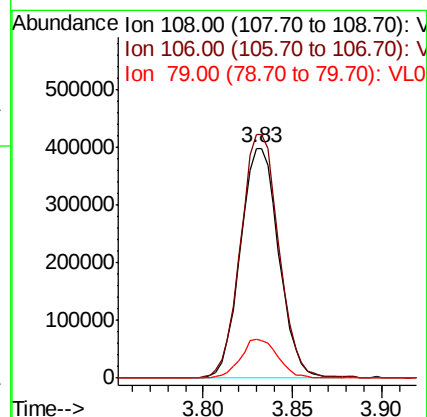
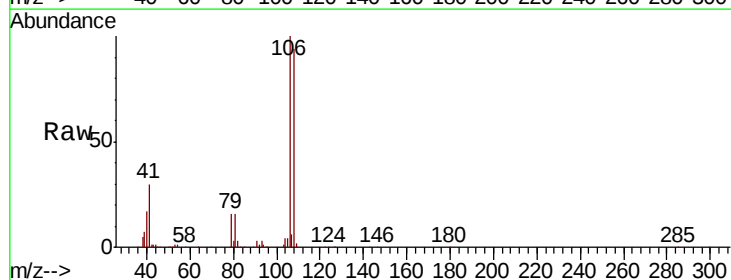
Tgt Ion: 108 Resp: 598707

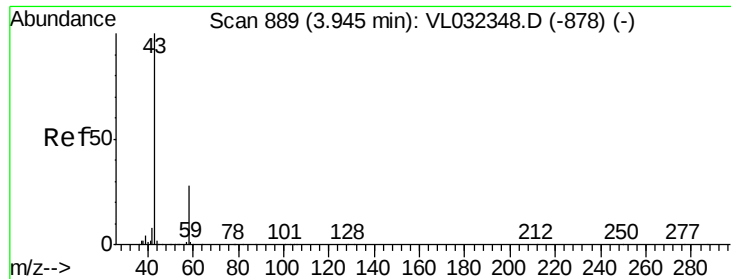
Ion Ratio Lower Upper

108 100

106 106.6 85.7 128.5

79 16.9 13.1 19.7





#15

Acetone

Concen: 9.411 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

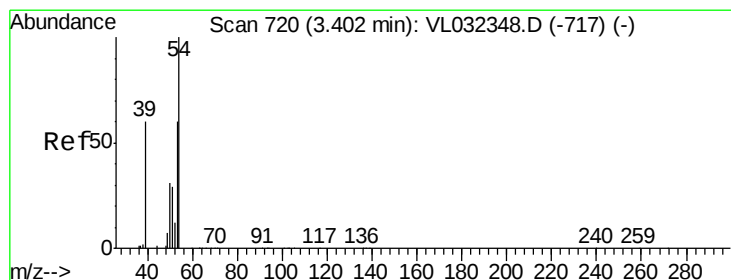
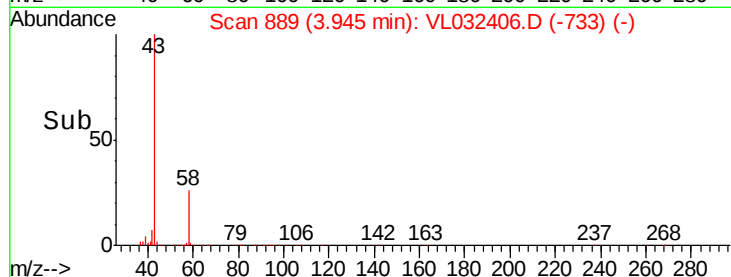
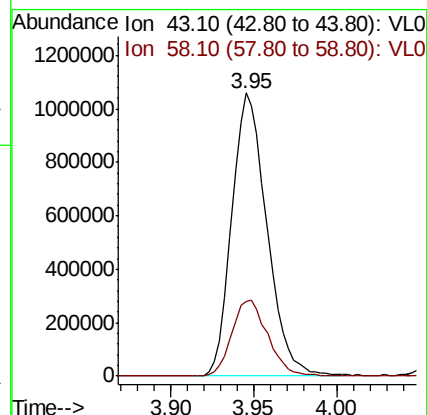
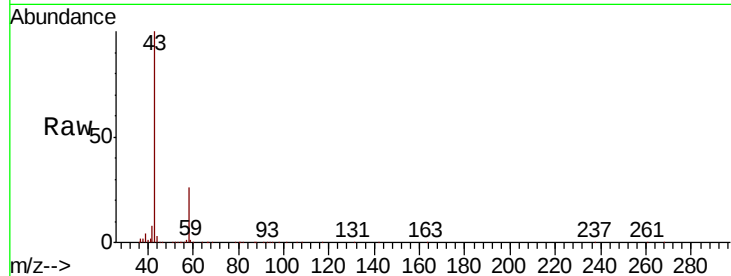
VSTDCCC010

Tgt Ion: 43 Resp: 1555822

Ion Ratio Lower Upper

43 100

58 27.7 22.4 33.6



#16

1,3-Butadiene

Concen: 11.804 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032406.D

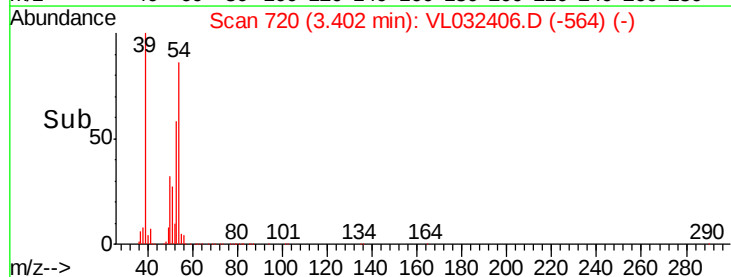
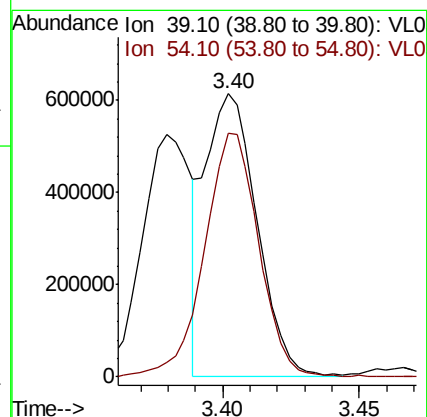
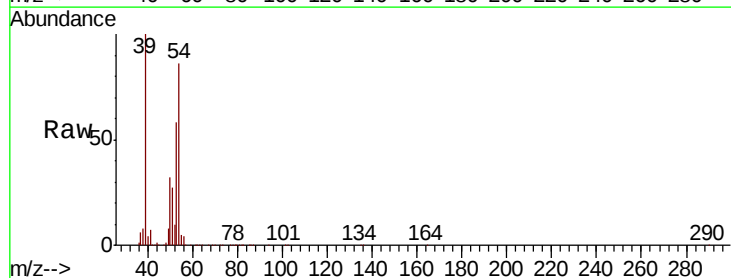
Acq: 17 Aug 2018 13:19

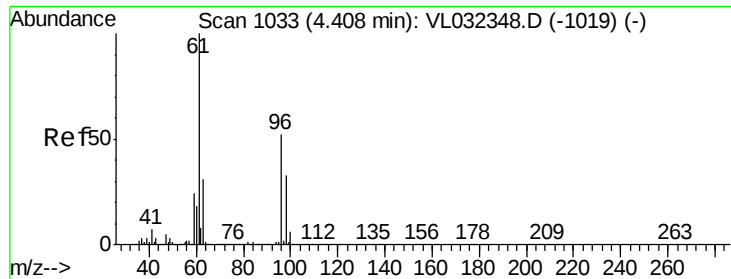
Tgt Ion: 39 Resp: 805691

Ion Ratio Lower Upper

39 100

54 91.3 85.5 128.3





#17

tert-Butyl alcohol

Concen: 6.165 ppbv

RT: 4.41 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

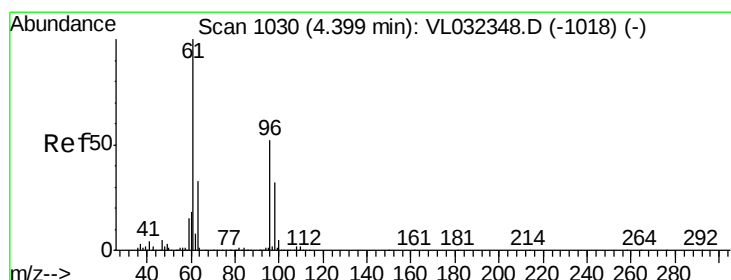
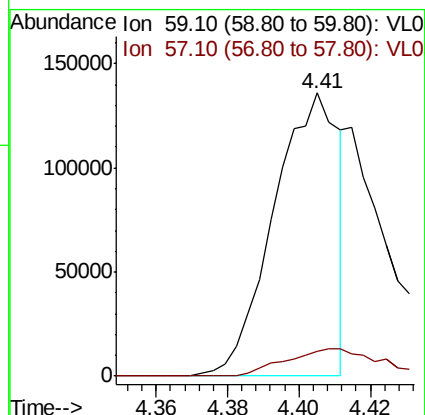
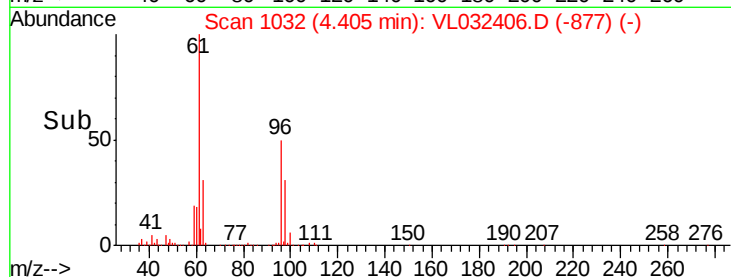
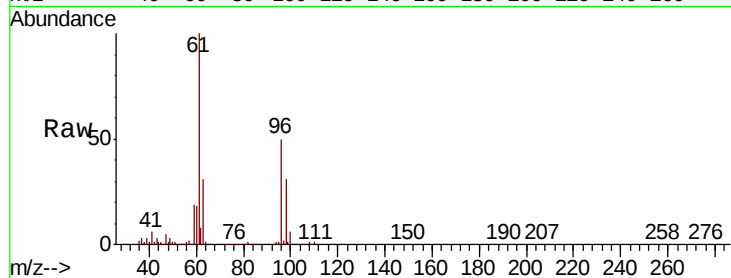
VSTDCCC010

Tgt Ion: 59 Resp: 171005

Ion Ratio Lower Upper

59 100

57 15.5 7.6 11.4#



#18

1,1-Dichloroethene

Concen: 10.326 ppbv

RT: 4.40 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

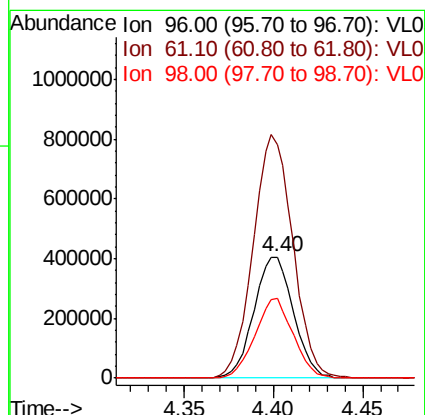
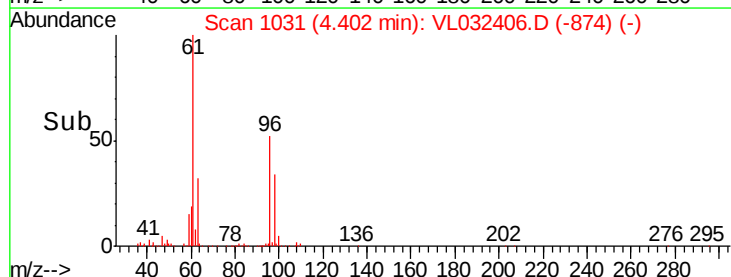
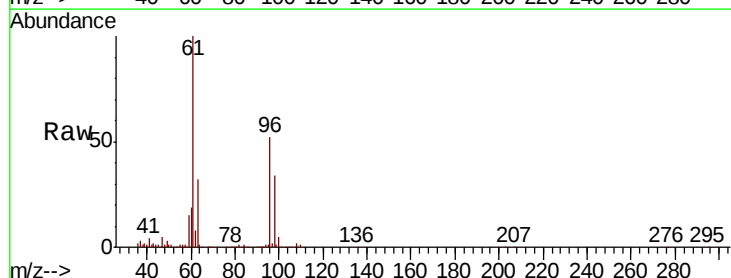
Tgt Ion: 96 Resp: 630506

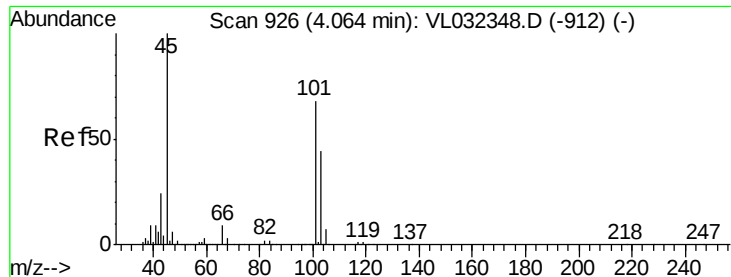
Ion Ratio Lower Upper

96 100

61 192.0 154.6 231.8

98 65.5 50.1 75.1





#19

Isopropyl Alcohol

Concen: 10.774 ppbv

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

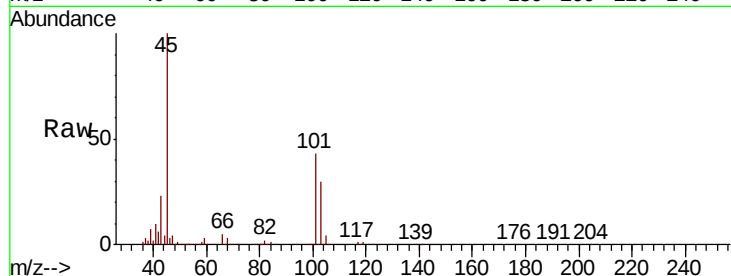
VSTDCCC010

Tgt Ion: 45 Resp: 1199427

Ion Ratio Lower Upper

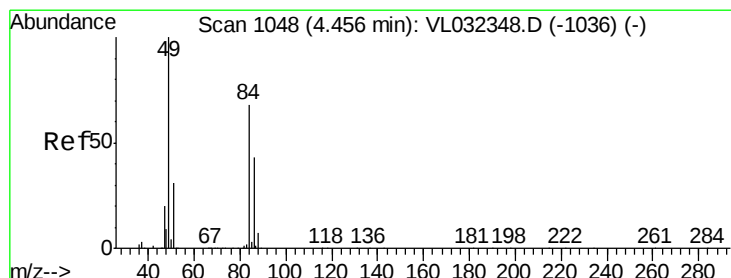
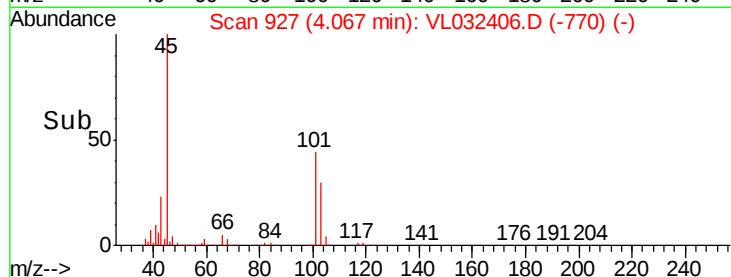
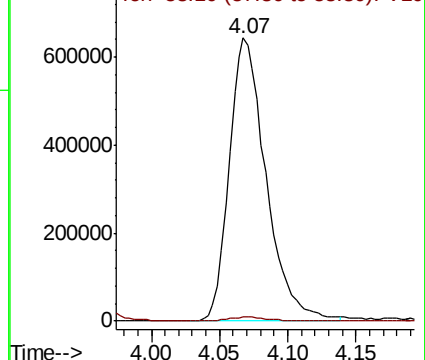
45 100

58 1.8 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.911 ppbv

RT: 4.46 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Tgt Ion: 84 Resp: 556415

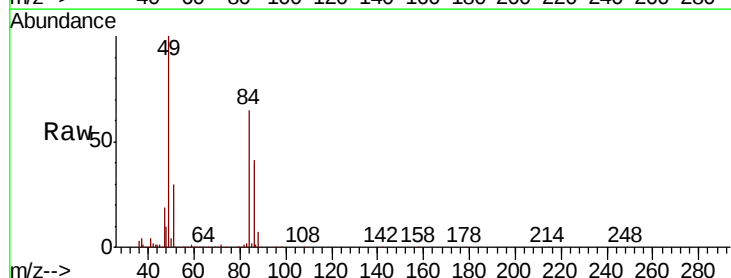
Ion Ratio Lower Upper

84 100

49 154.4 117.3 175.9

51 46.1 36.6 55.0

86 64.0 49.8 74.8

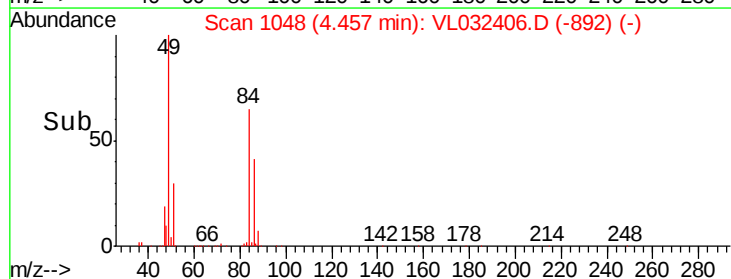
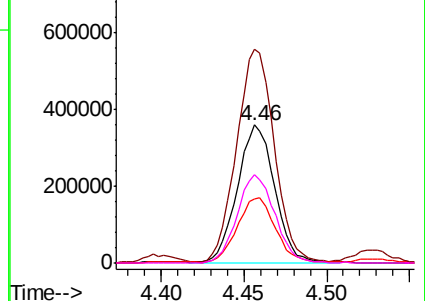


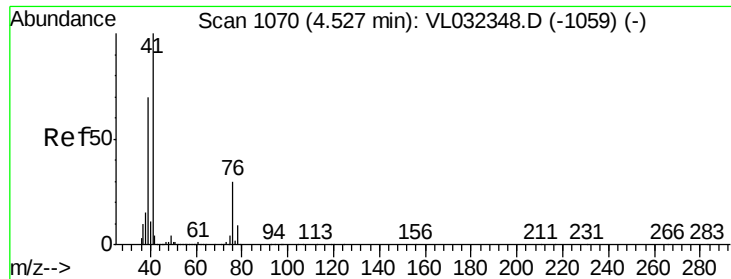
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

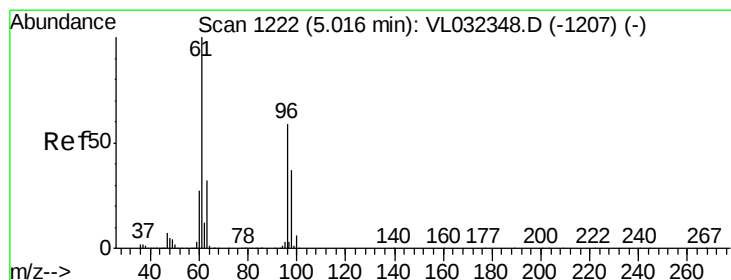
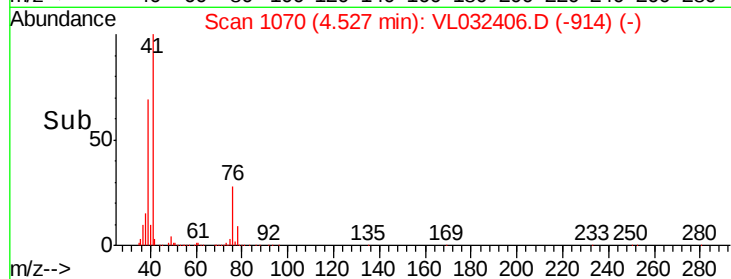
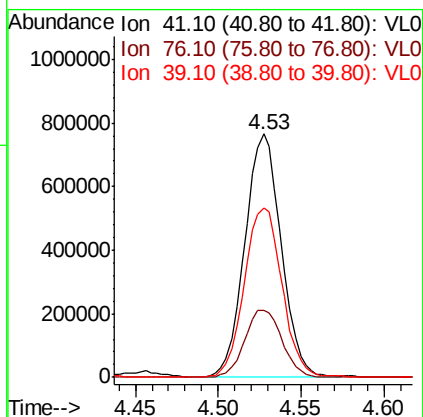
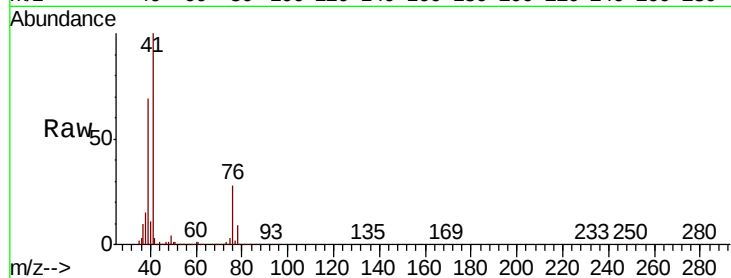




#21
 Allyl Chloride
 Concen: 11.112 ppbv
 RT: 4.53 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

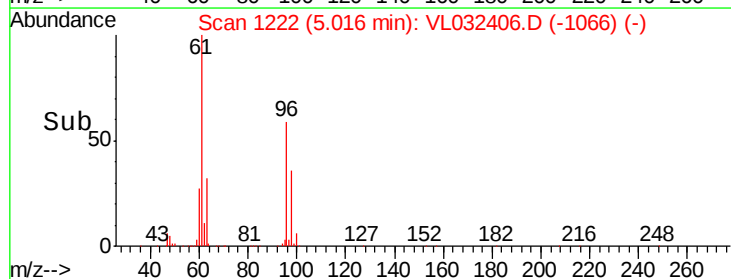
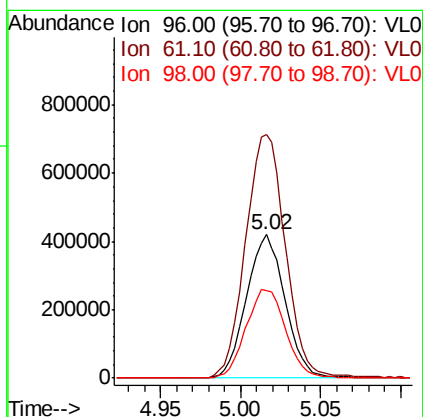
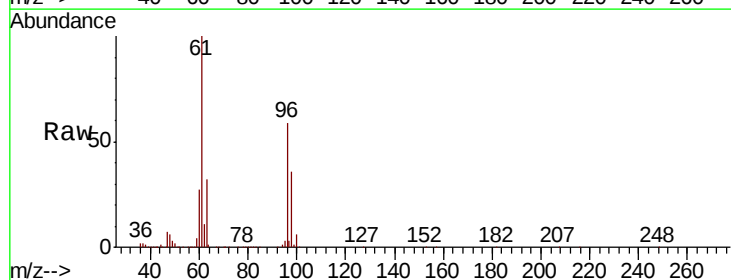
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

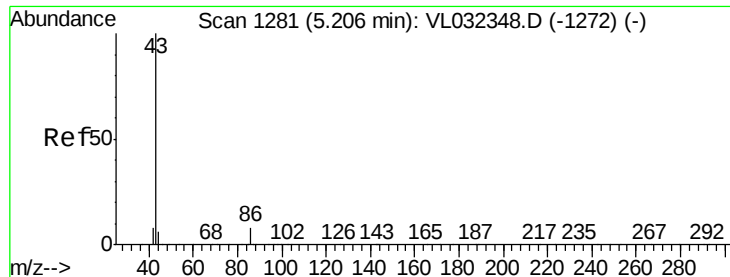
Tgt Ion: 41 Resp: 1159503
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.9 34.3
 39 72.5 57.6 86.4



#22
 trans-1,2-Dichloroethene
 Concen: 11.237 ppbv
 RT: 5.02 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 96 Resp: 691915
 Ion Ratio Lower Upper
 96 100
 61 169.9 136.6 205.0
 98 61.2 50.6 76.0



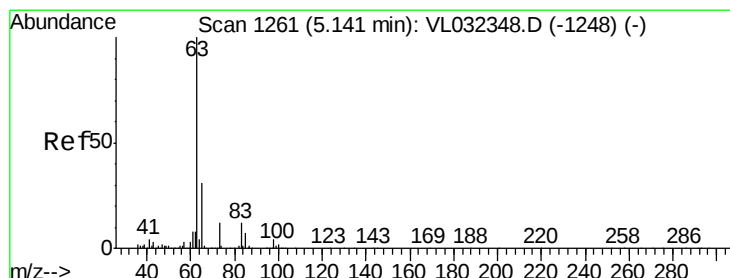
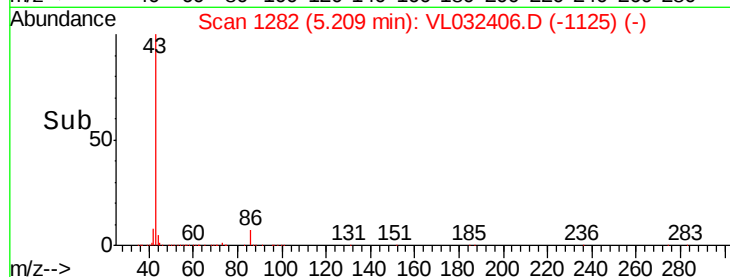
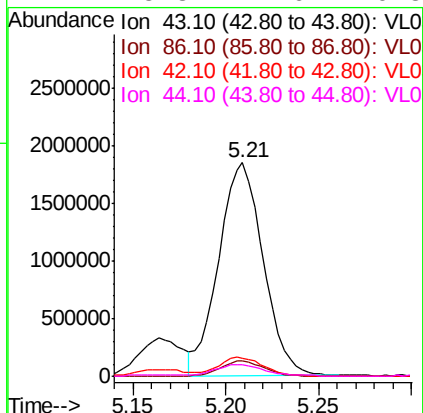
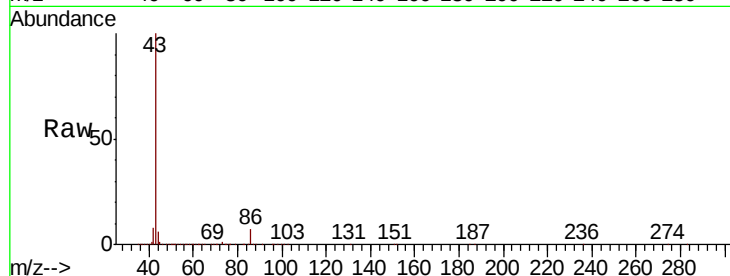


#23
 Vinyl Acetate
 Concen: 10.742 ppbv
 RT: 5.21 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 3066674

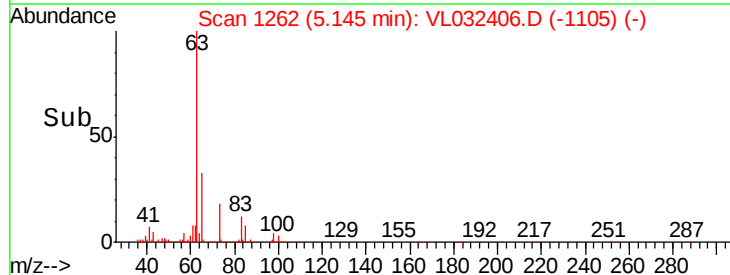
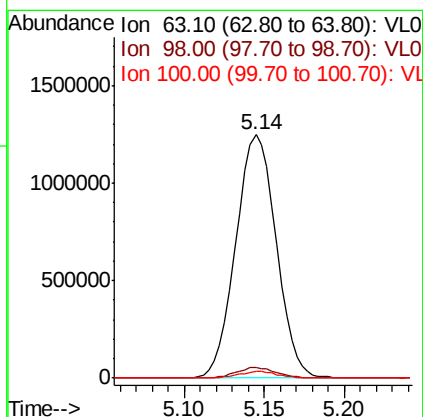
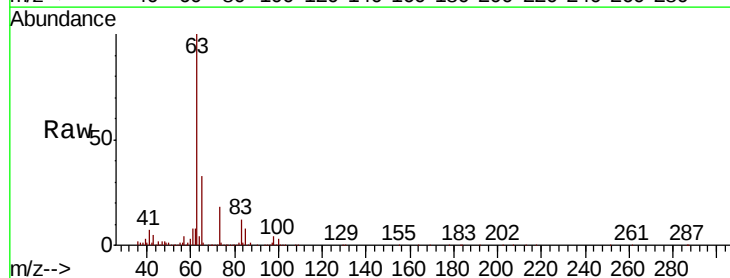
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.5	8.3
42	8.2	7.0	10.6
44	5.3	4.6	6.8

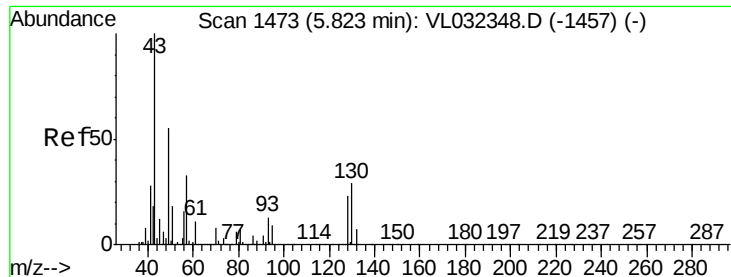


#24
 1,1-Dichloroethane
 Concen: 10.387 ppbv
 RT: 5.14 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 63 Resp: 2140917

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.7	1.2	3.6



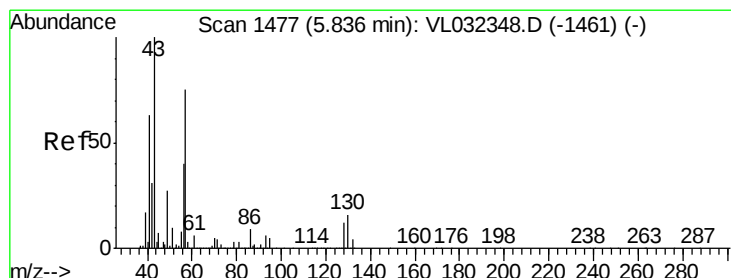
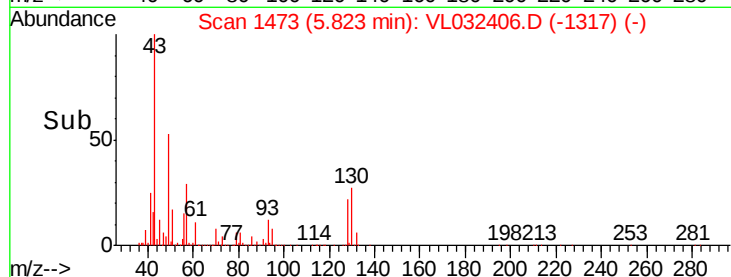
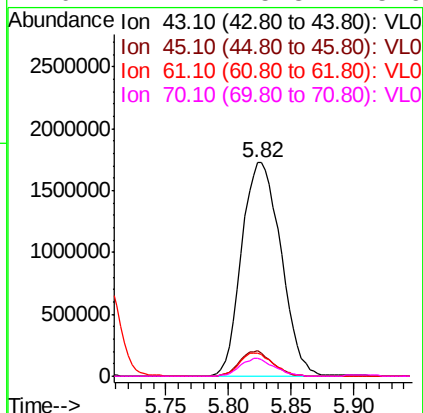
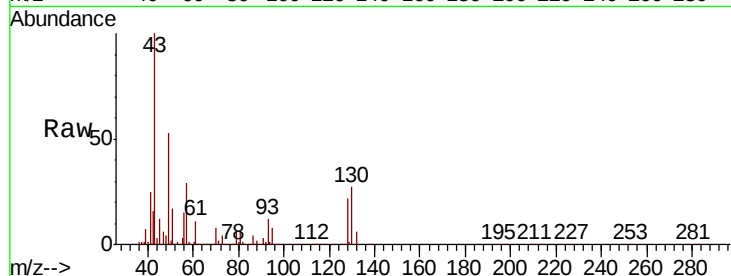


#25
Ethyl Acetate
Concen: 10.630 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 3766243

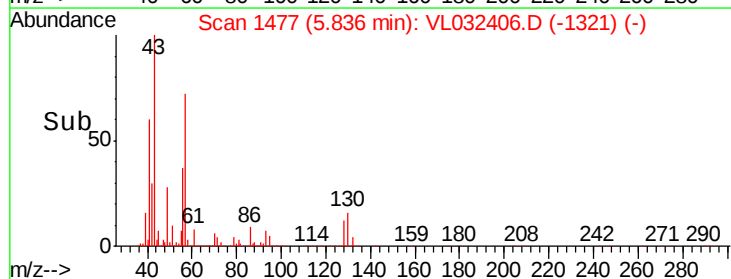
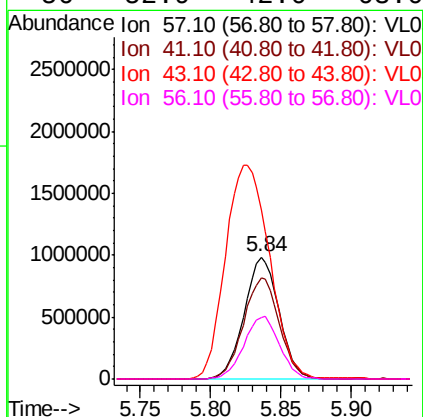
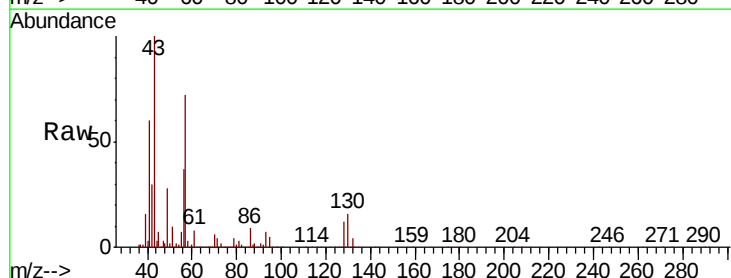
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.5	7.4	11.2
70	7.2	5.8	8.6

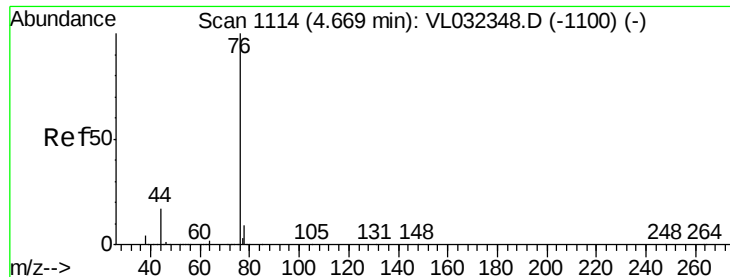


#26
Hexane
Concen: 10.764 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 57 Resp: 1700170

Ion	Ratio	Lower	Upper
57	100		
41	86.0	68.0	102.0
43	222.8	175.3	262.9
56	52.9	42.0	63.0





#27

Carbon Disulfide

Concen: 11.117 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

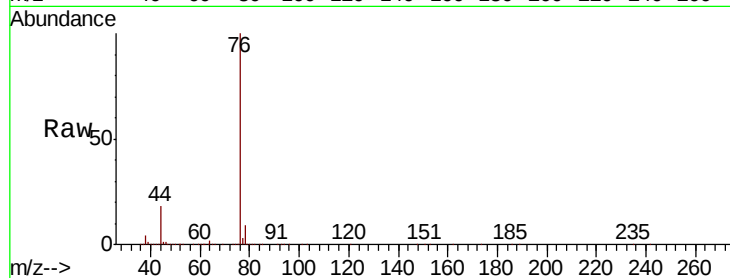
Tgt Ion: 76 Resp: 1638908

Ion Ratio Lower Upper

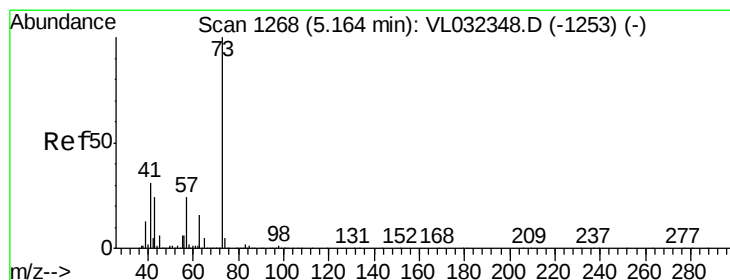
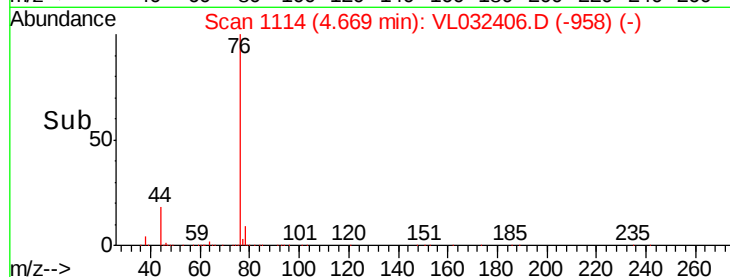
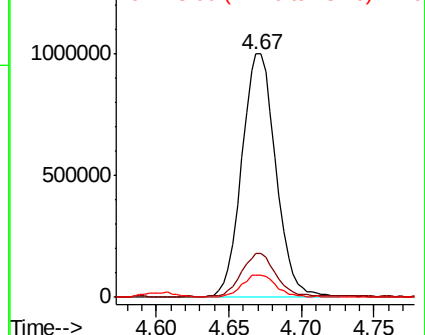
76 100

44 17.6 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: 11.315 ppbv

RT: 5.16 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032406.D

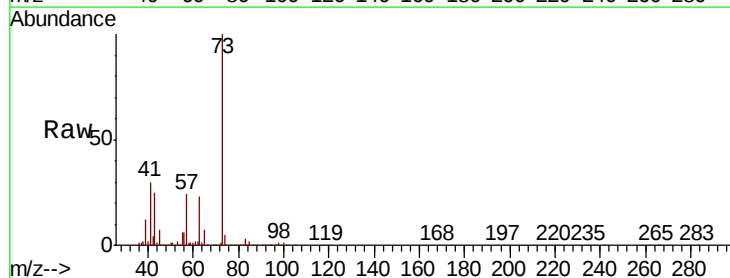
Acq: 17 Aug 2018 13:19

Tgt Ion: 73 Resp: 2371644

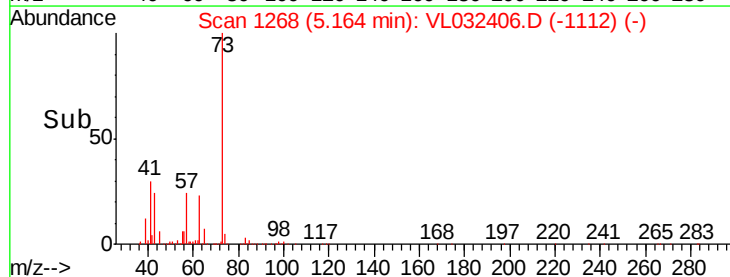
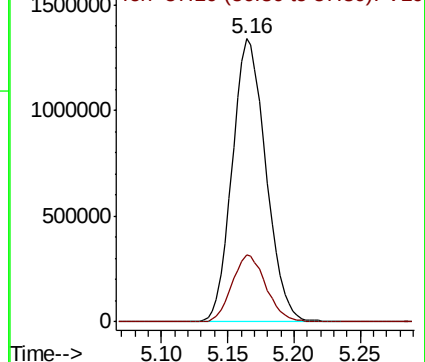
Ion Ratio Lower Upper

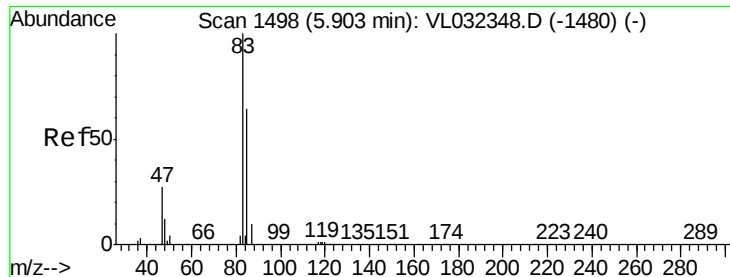
73 100

57 24.0 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: 10.678 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

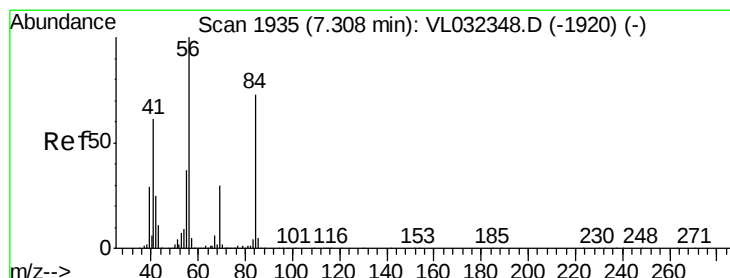
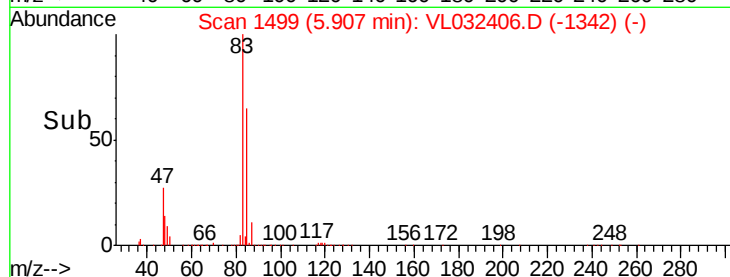
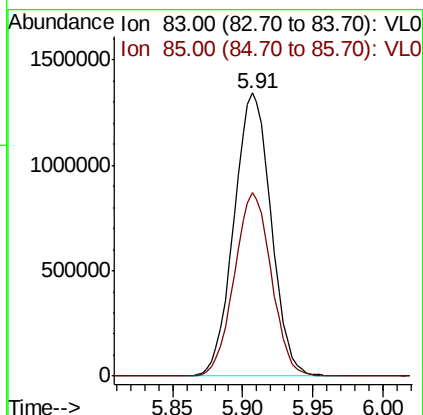
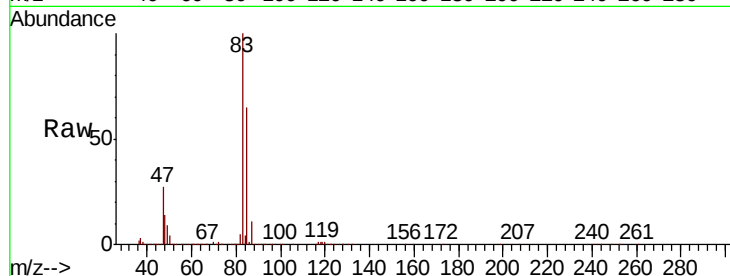
VSTDCCC010

Tgt Ion: 83 Resp: 2471567

Ion Ratio Lower Upper

83 100

85 64.7 51.6 77.4



#30

Cyclohexane

Concen: 11.671 ppbv

RT: 7.31 min Scan# 1935

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

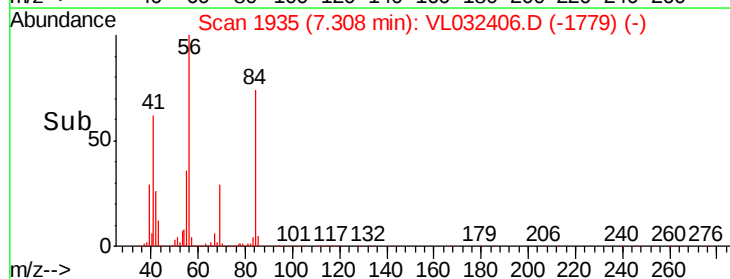
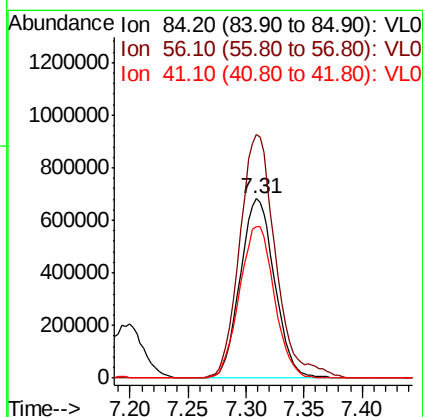
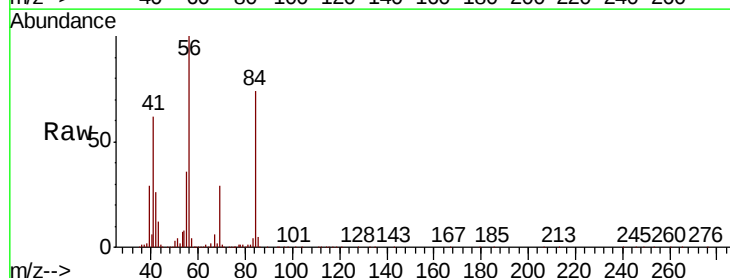
Tgt Ion: 84 Resp: 1404126

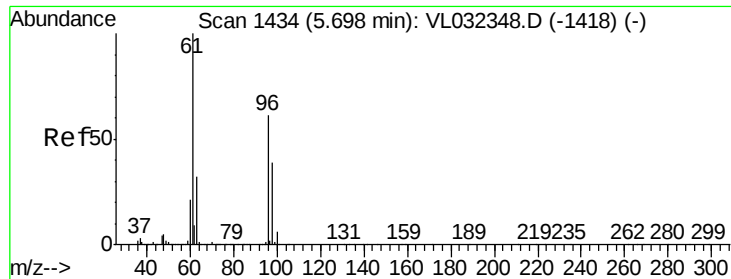
Ion Ratio Lower Upper

84 100

56 142.2 115.7 173.5

41 85.8 67.9 101.9

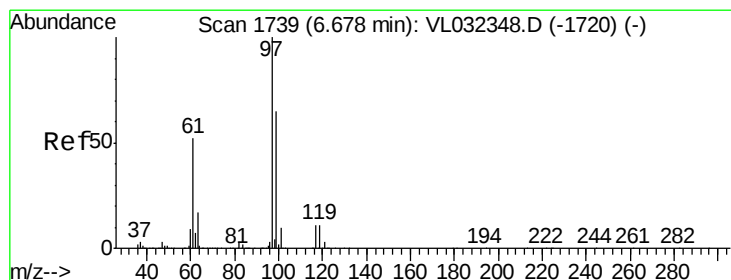
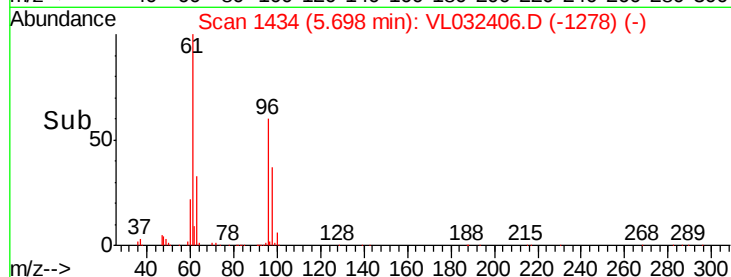
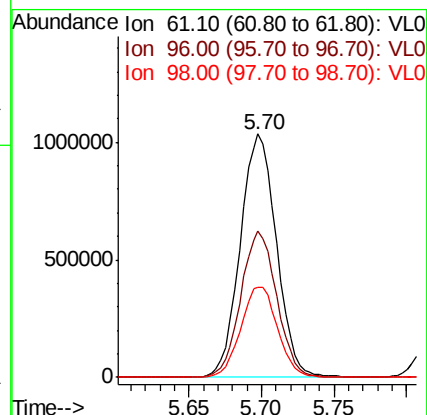
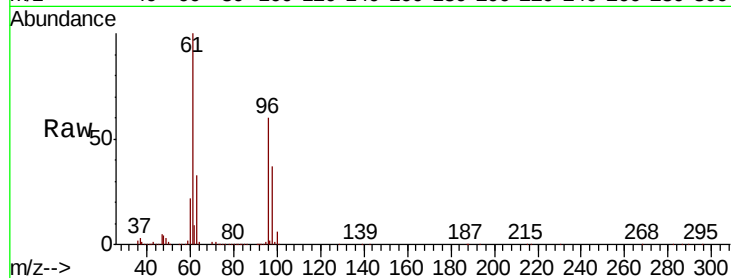




#31
 cis-1,2-Dichloroethene
 Concen: 11.580 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

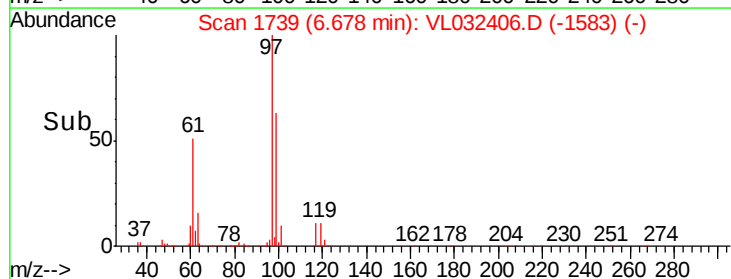
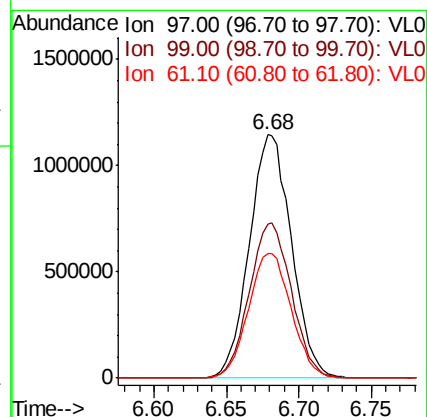
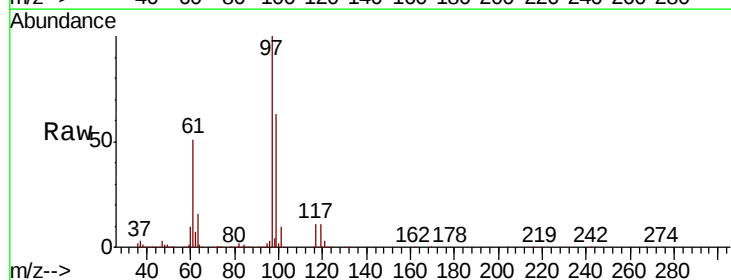
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

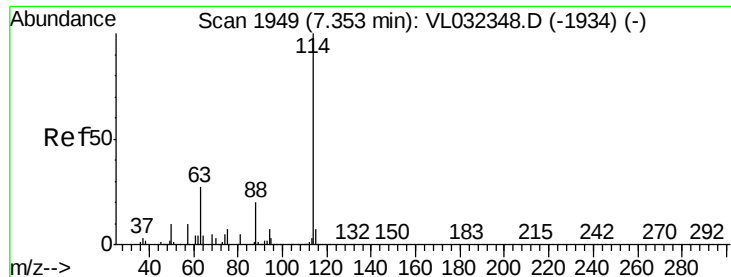
Tgt Ion: 61 Resp: 1789360
 Ion Ratio Lower Upper
 61 100
 96 59.9 48.5 72.7
 98 37.0 31.0 46.4



#32
 1,1,1-Trichloroethane
 Concen: 10.281 ppbv
 RT: 6.68 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 97 Resp: 2315928
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.1 76.7
 61 52.2 41.1 61.7

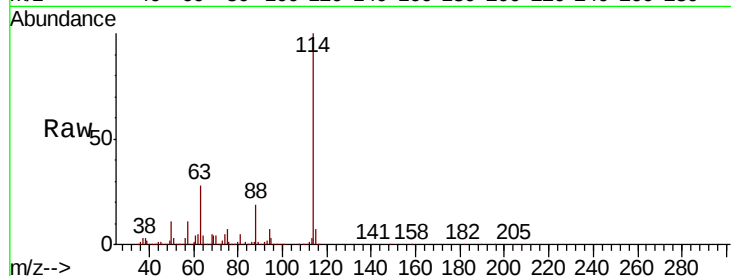




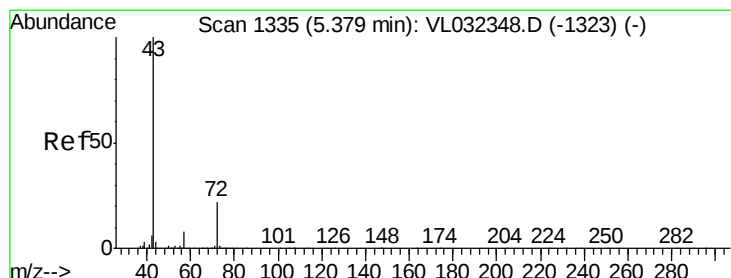
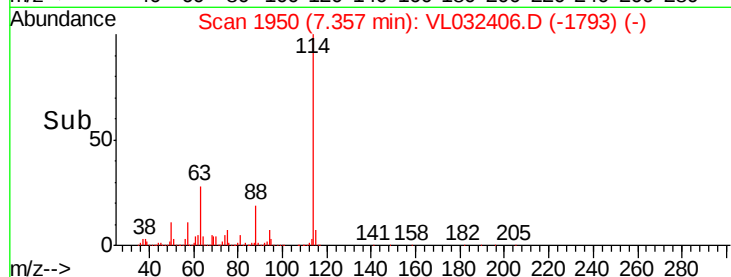
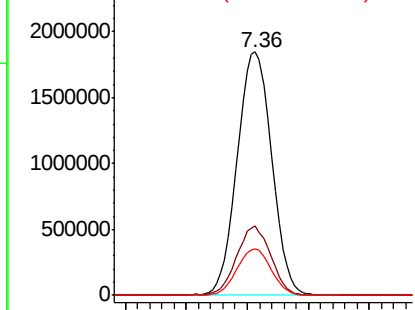
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 3621073
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.0 33.0
 88 19.0 15.3 22.9

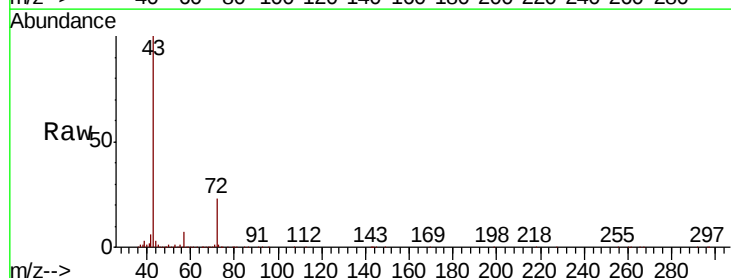


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

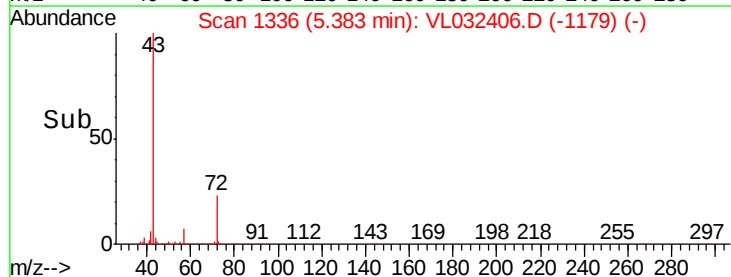
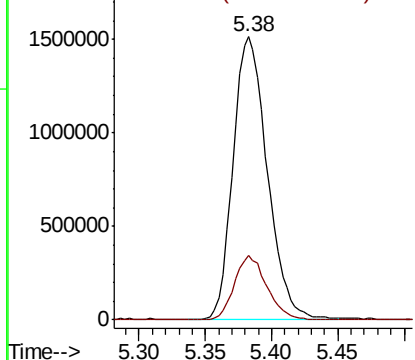


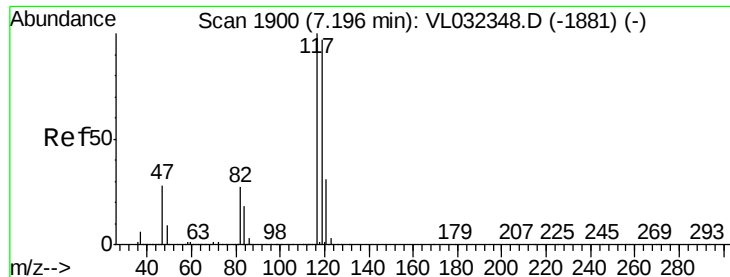
#34
 2-Butanone
 Concen: 10.985 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 43 Resp: 2707261
 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: 11.188 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

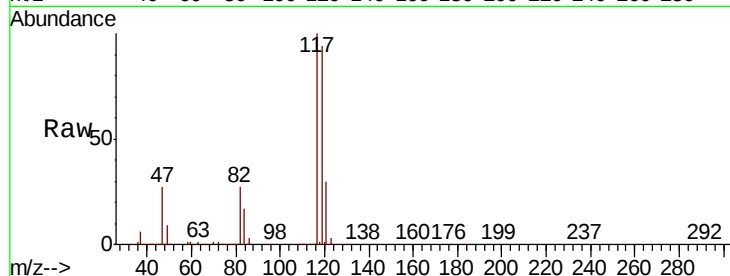
Tgt Ion:117 Resp: 2388797

Ion Ratio Lower Upper

117 100

119 93.5 77.2 115.8

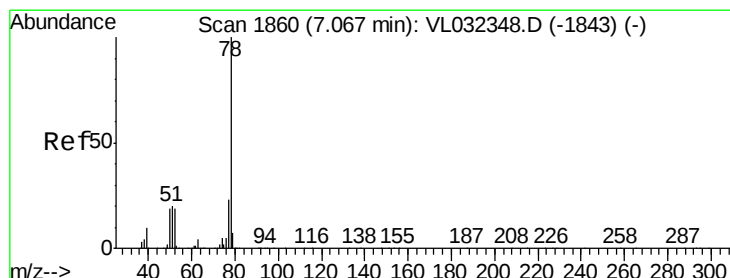
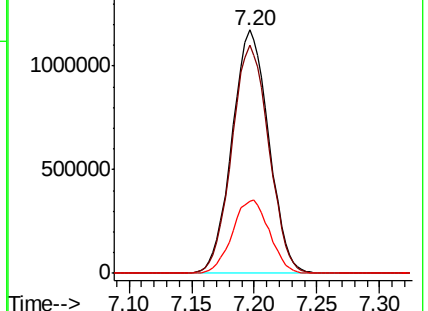
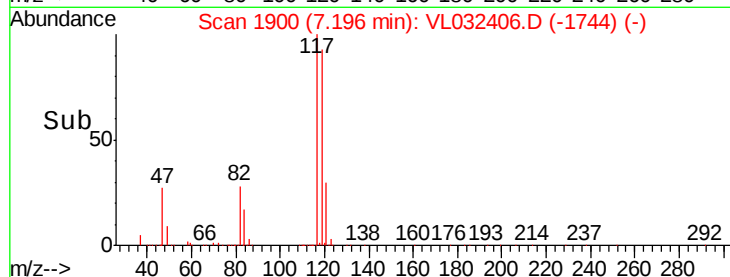
121 29.9 25.1 37.7



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: 11.048 ppbv

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

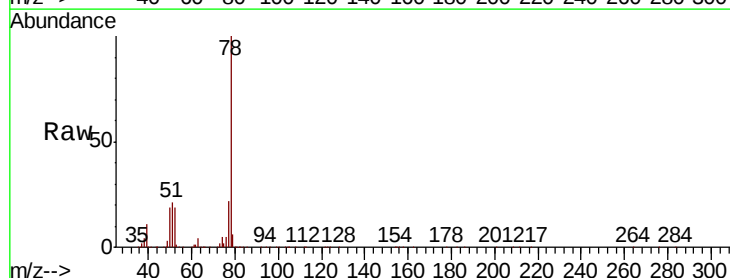
Tgt Ion: 78 Resp: 3391665

Ion Ratio Lower Upper

78 100

77 22.0 18.0 27.0

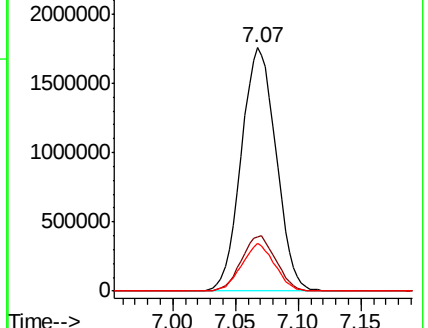
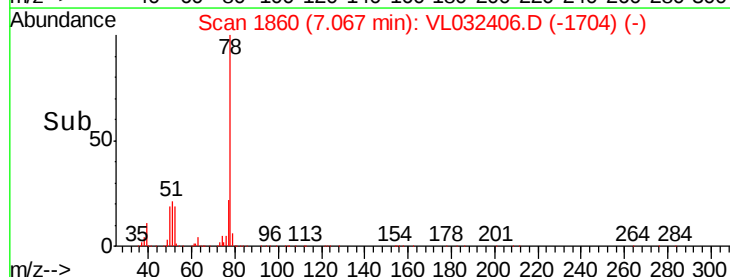
50 19.4 15.1 22.7

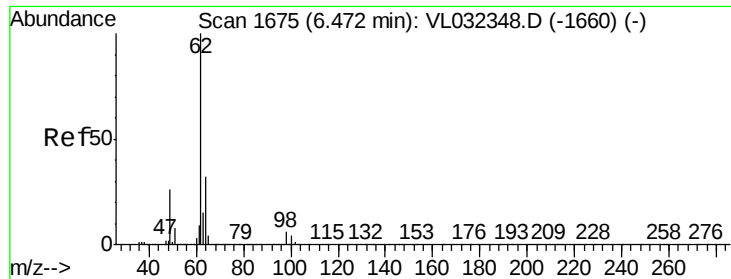


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

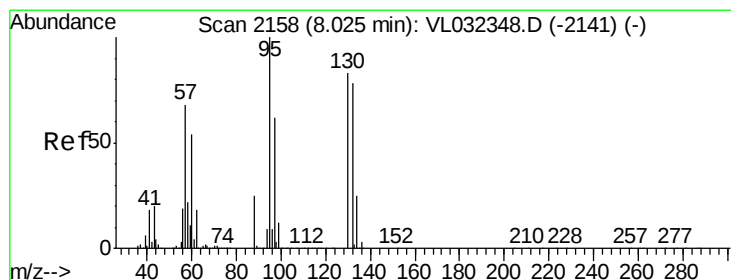
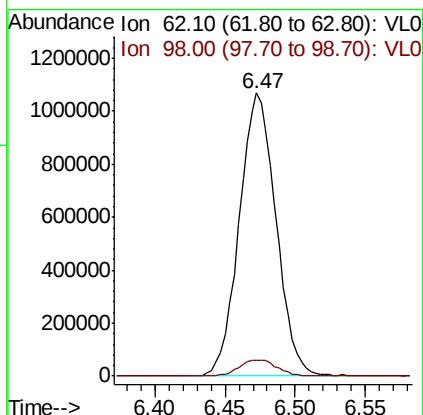
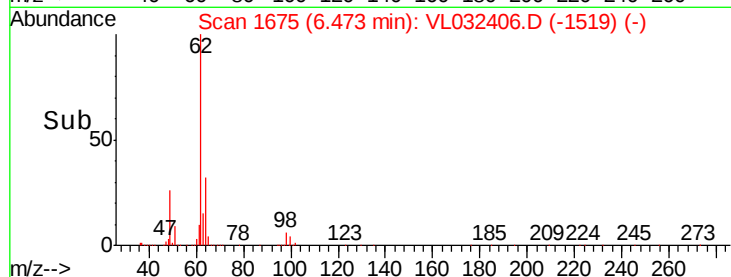
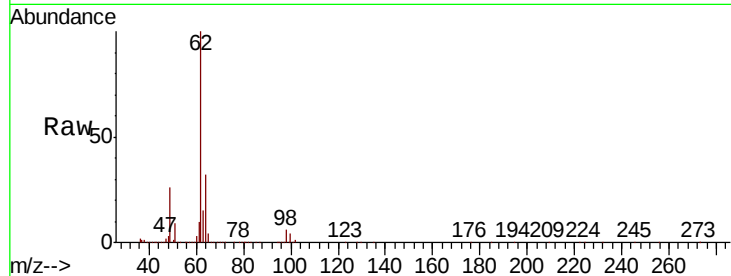




#37
 1,2-Dichloroethane
 Concen: 10.471 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

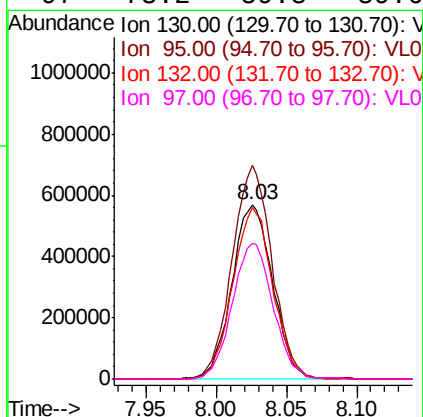
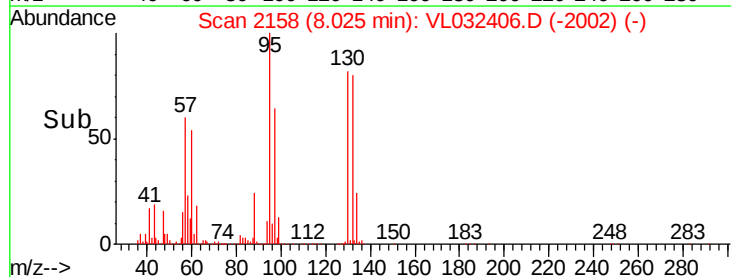
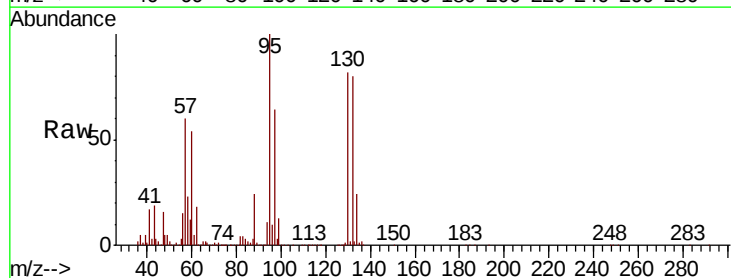
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

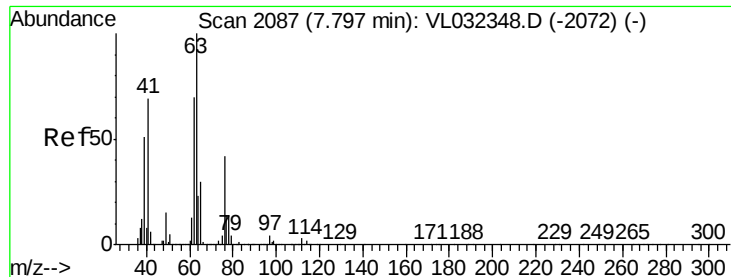
Tgt Ion: 62 Resp: 1950295
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6



#38
 Trichloroethene
 Concen: 10.555 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 130 Resp: 1136572
 Ion Ratio Lower Upper
 130 100
 95 122.7 96.6 144.8
 132 98.6 75.5 113.3
 97 78.2 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.842 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

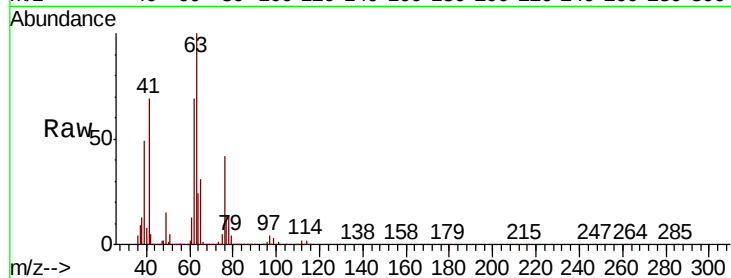
Tgt Ion: 63 Resp: 1390360

Ion Ratio Lower Upper

63 100

41 69.2 55.5 83.3

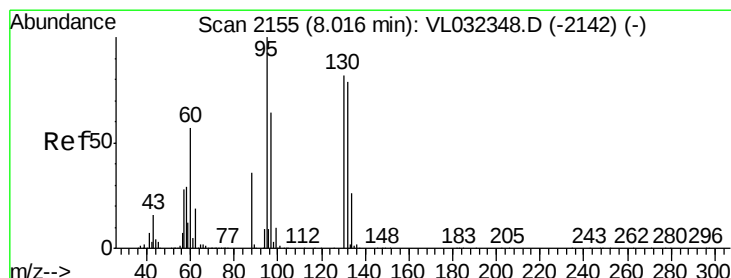
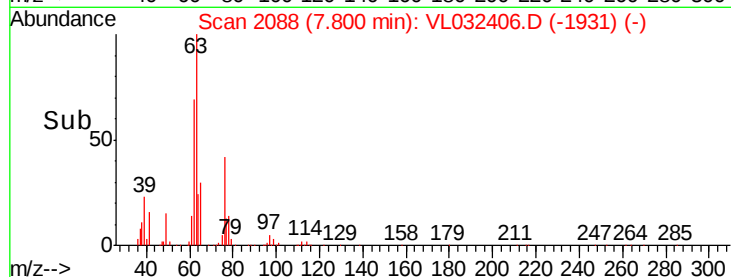
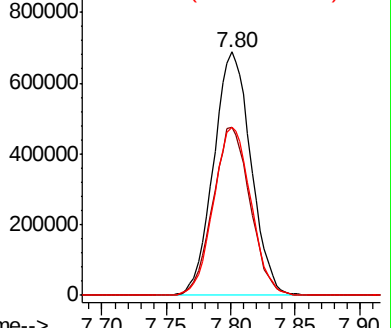
62 69.0 56.3 84.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 11.165 ppbv

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Tgt Ion: 88 Resp: 434914

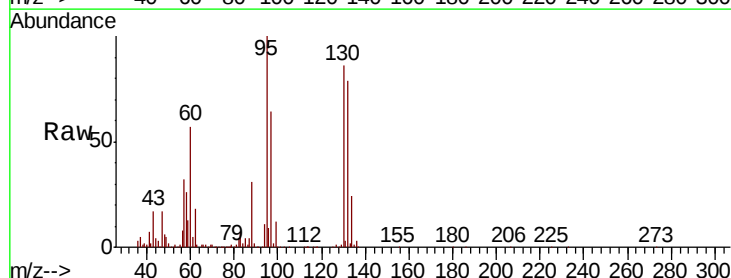
Ion Ratio Lower Upper

88 100

58 154.8 113.7 170.5

43 323.9 224.0 336.0

57 1468.6 1013.0 1519.6

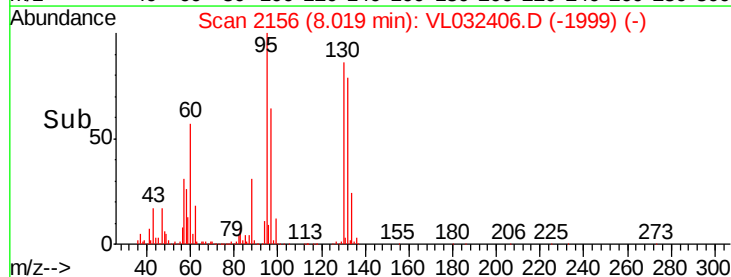
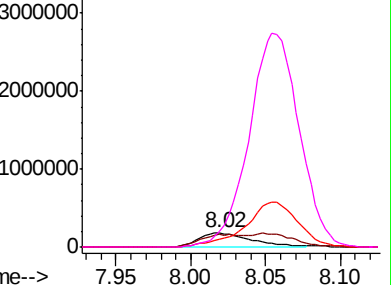


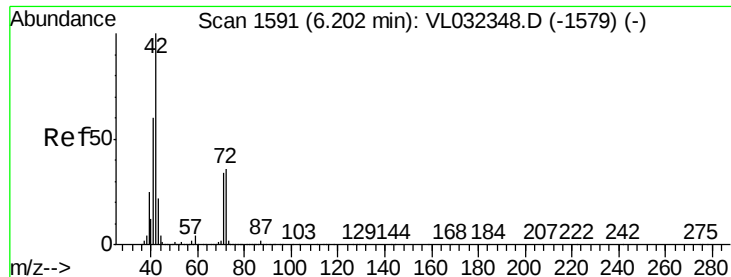
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

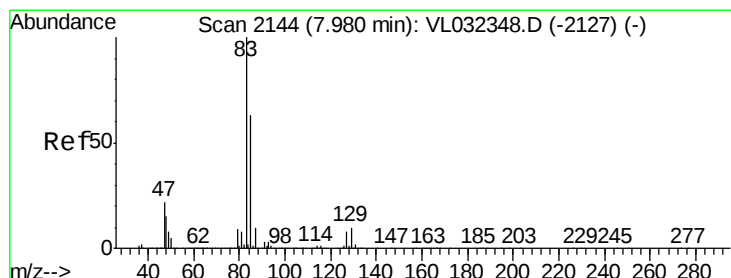
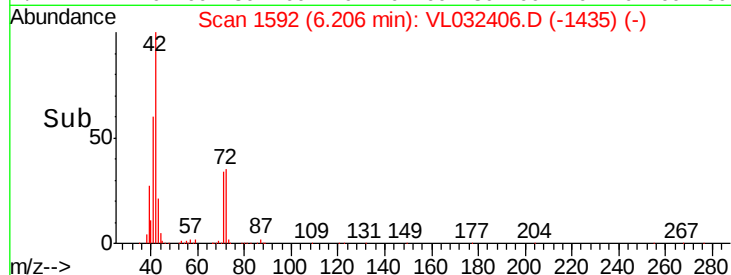
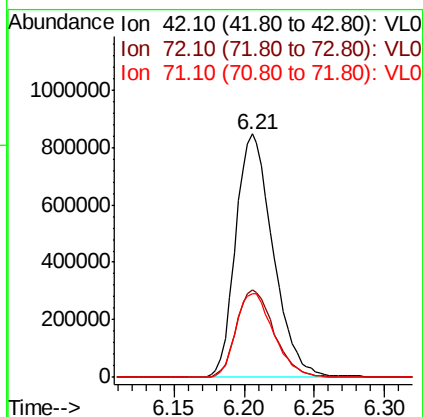
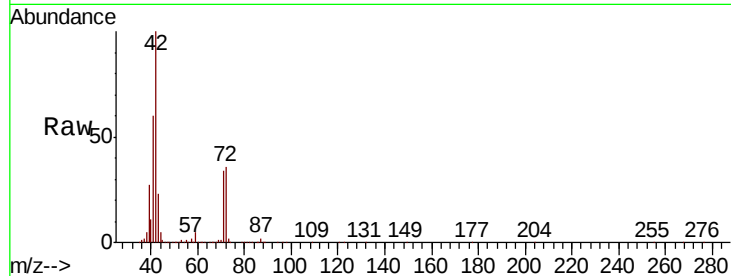




#41
Tetrahydrofuran
Concen: 11.856 ppbv
RT: 6.21 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

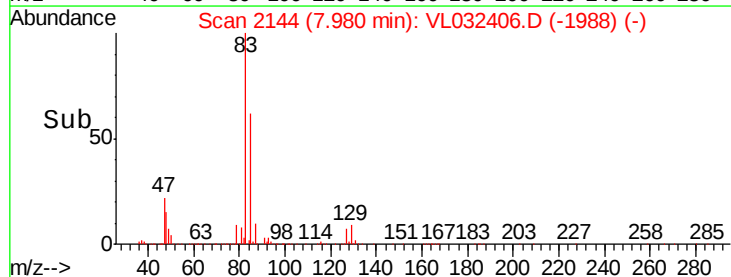
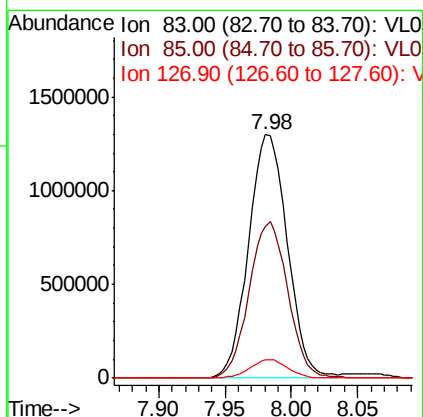
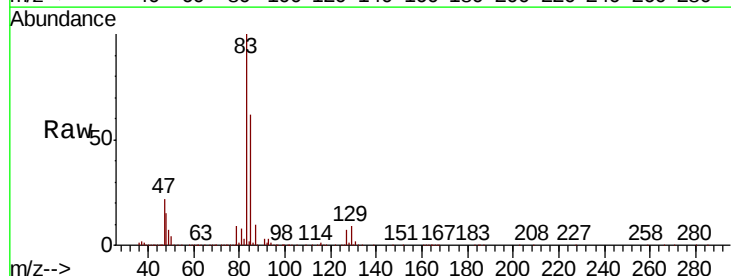
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

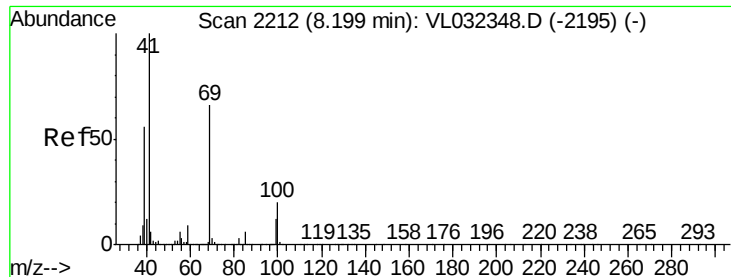
Tgt Ion: 42 Resp: 1568586
Ion Ratio Lower Upper
42 100
72 36.5 29.8 44.6
71 35.2 28.2 42.2



#42
Bromodichloromethane
Concen: 10.842 ppbv
RT: 7.98 min Scan# 2144
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 83 Resp: 2644130
Ion Ratio Lower Upper
83 100
85 62.2 50.4 75.6
127 7.3 6.1 9.1

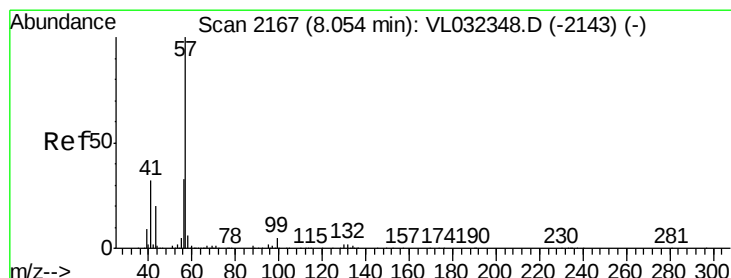
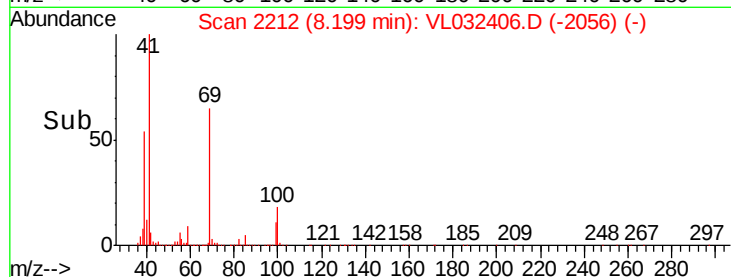
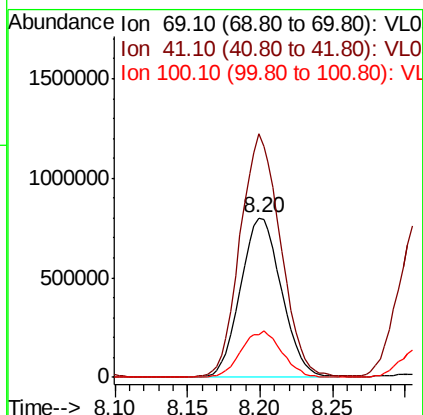
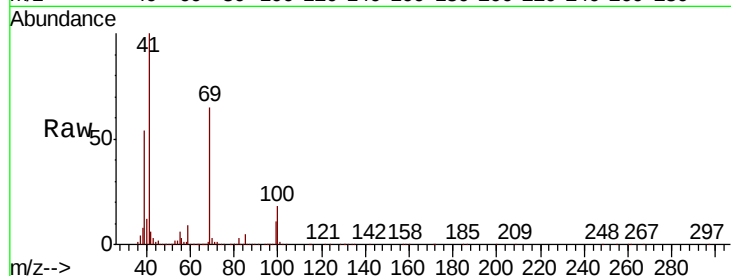




#43
Methyl Methacrylate
Concen: 12.894 ppbv
RT: 8.20 min Scan# 2212
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

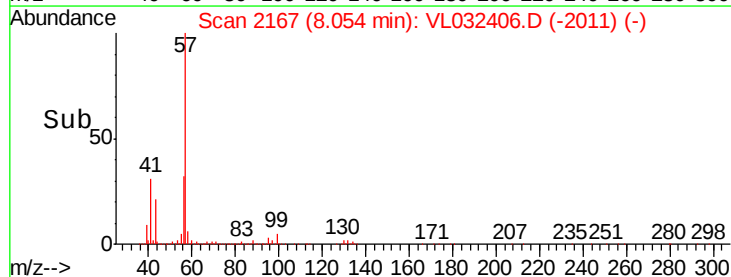
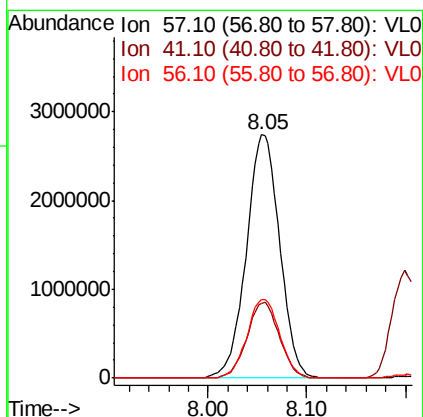
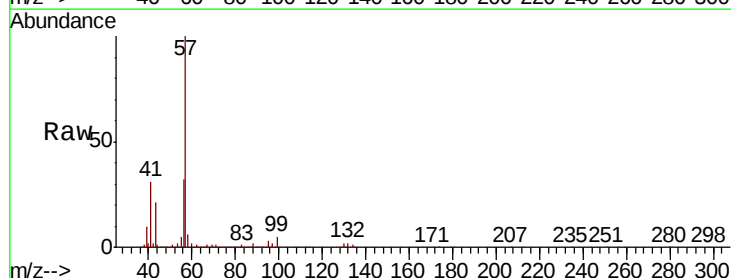
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

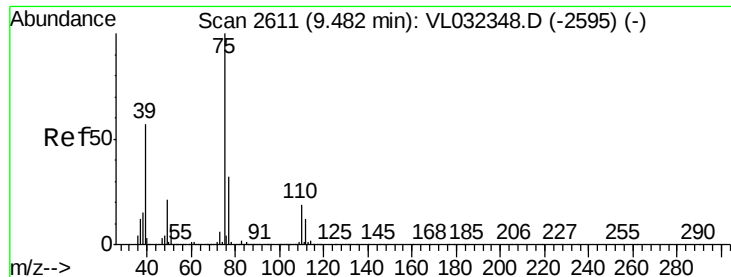
Tgt Ion: 69 Resp: 1577233
Ion Ratio Lower Upper
69 100
41 150.1 118.6 177.8
100 29.0 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 11.532 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 57 Resp: 6383943
Ion Ratio Lower Upper
57 100
41 30.3 24.3 36.5
56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.185 ppbv

RT: 9.48 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

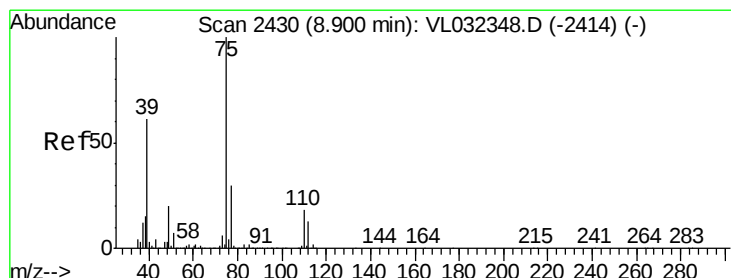
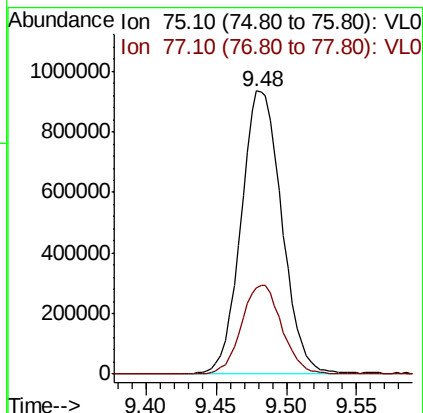
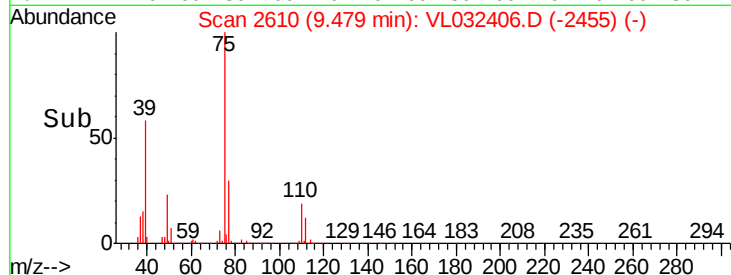
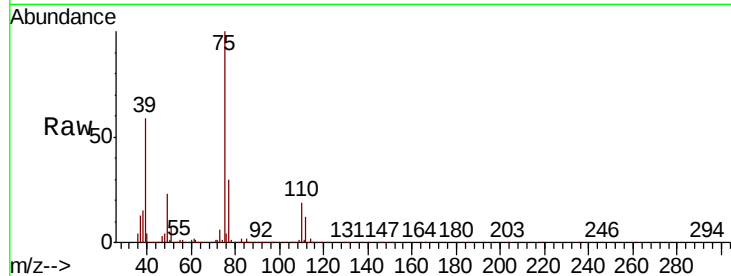
VSTDCCC010

Tgt Ion: 75 Resp: 1885250

Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 12.417 ppbv

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

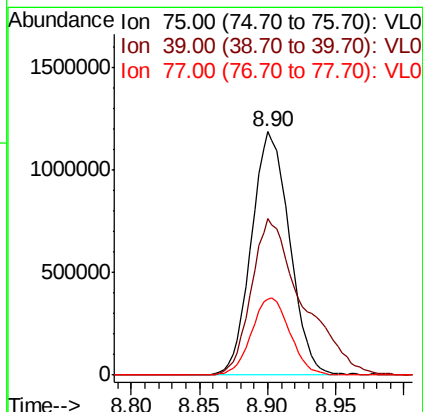
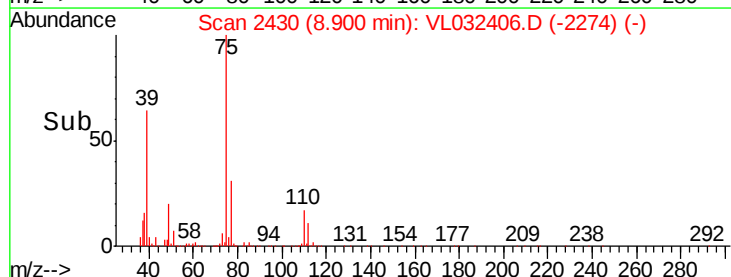
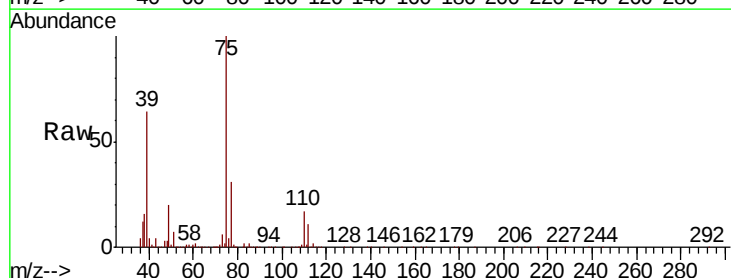
Tgt Ion: 75 Resp: 2303975

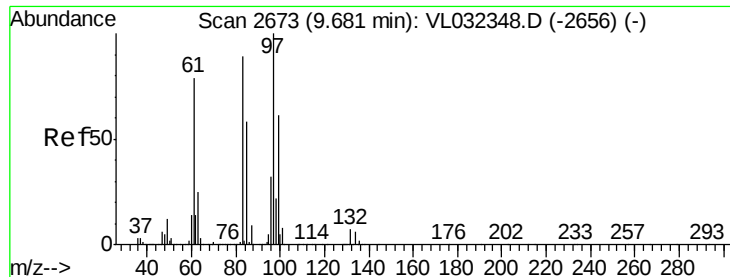
Ion Ratio Lower Upper

75 100

39 64.3 48.5 72.7

77 31.3 24.3 36.5



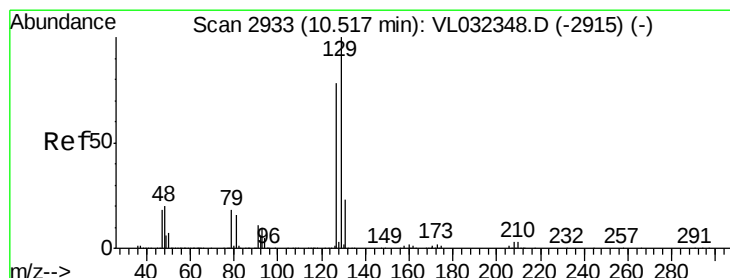
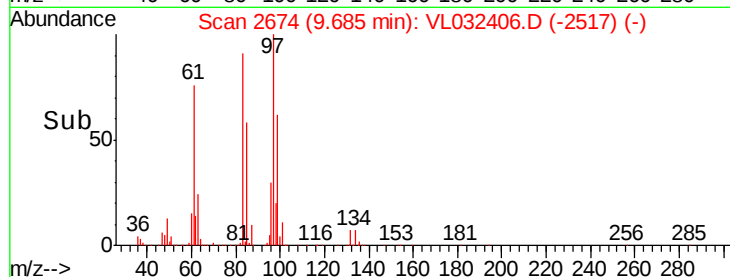
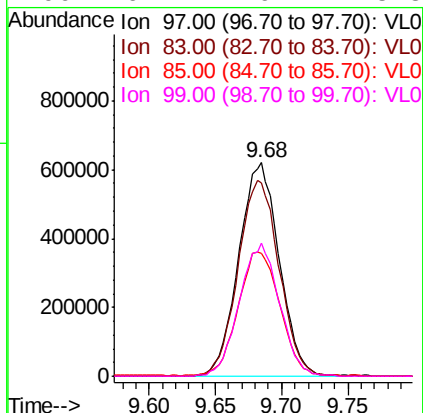
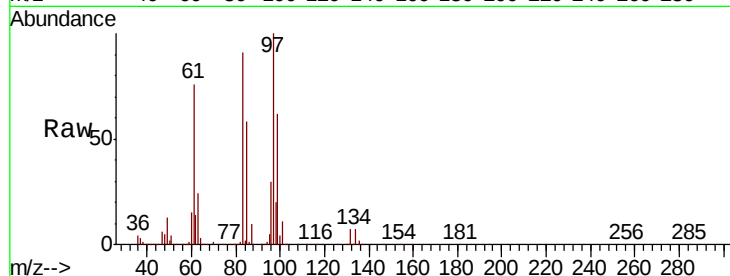


#47
 1,1,2-Trichloroethane
 Concen: 9.334 ppbv
 RT: 9.68 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1317467

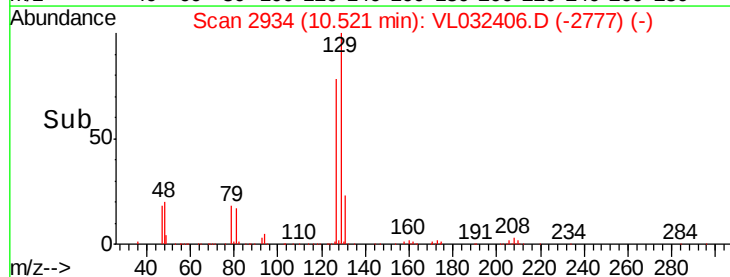
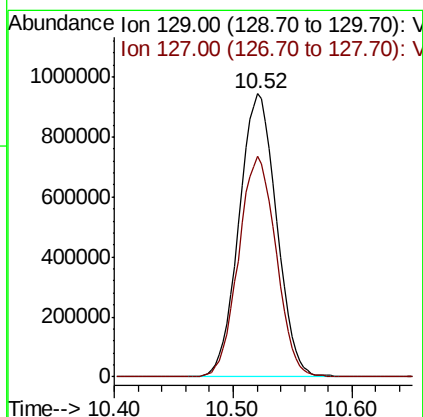
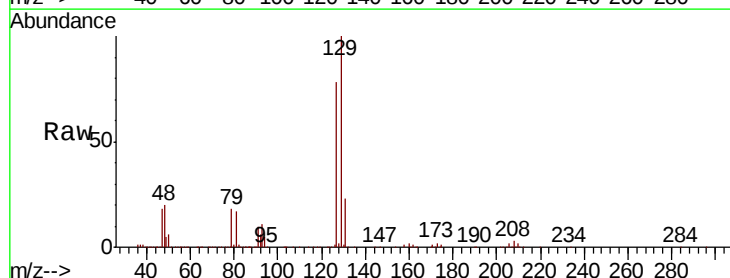
Ion	Ratio	Lower	Upper
97	100		
83	90.6	71.2	106.8
85	57.3	46.6	69.8
99	62.1	49.2	73.8

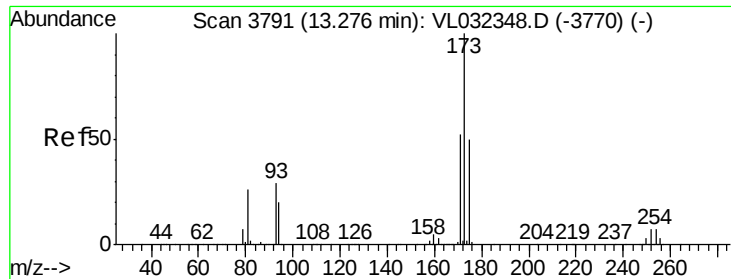


#48
 Dibromochloromethane
 Concen: 10.937 ppbv
 RT: 10.52 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 129 Resp: 2063670

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.9





#49

Bromoform

Concen: 10.950 ppbv

RT: 13.27 min Scan# 3790

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

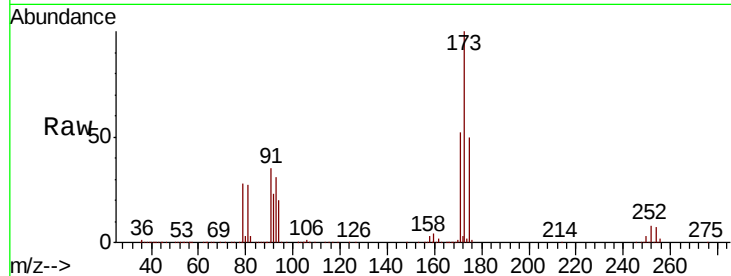
Tgt Ion:173 Resp: 1716257

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

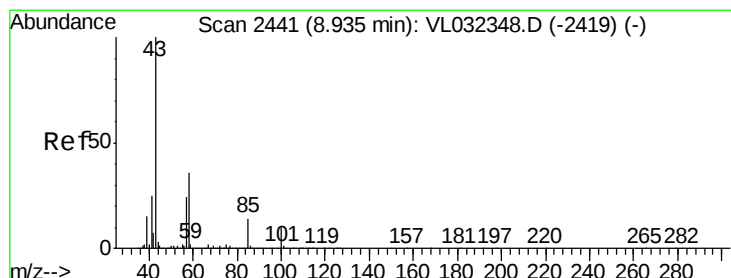
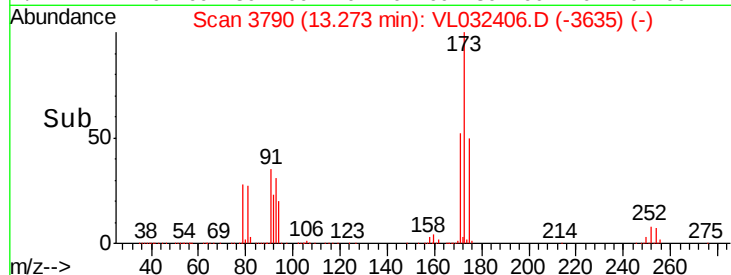
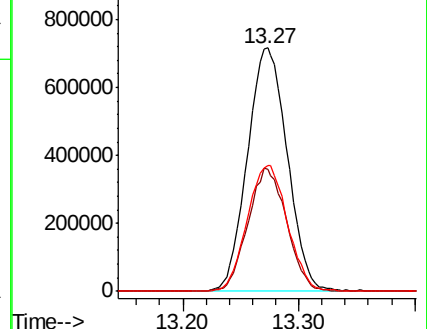
171 52.2 41.9 62.9



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: 11.346 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL032406.D

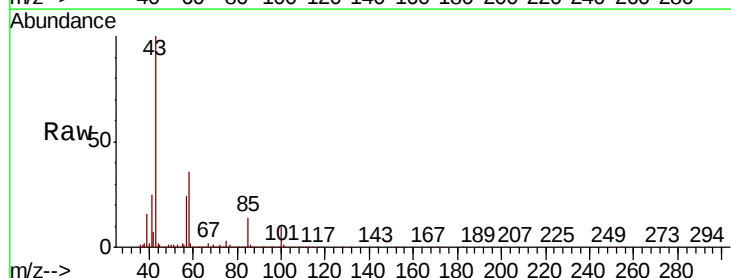
Acq: 17 Aug 2018 13:19

Tgt Ion: 43 Resp: 4038252

Ion Ratio Lower Upper

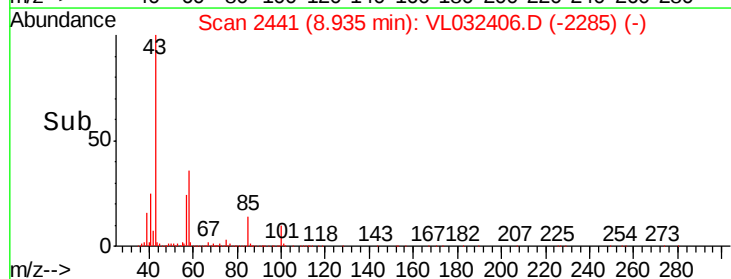
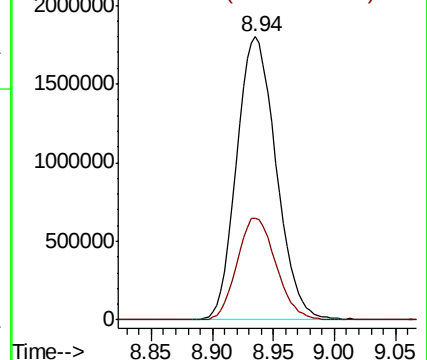
43 100

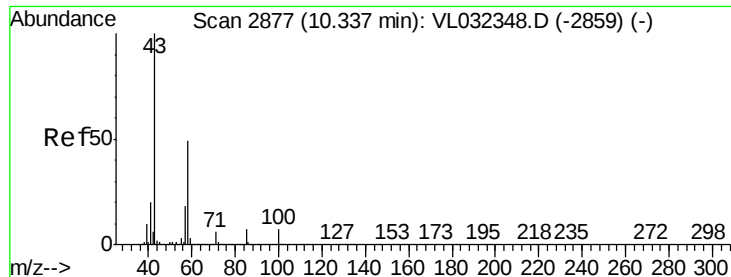
58 35.7 28.9 43.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



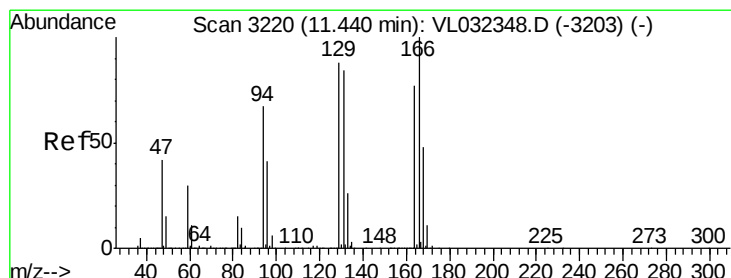
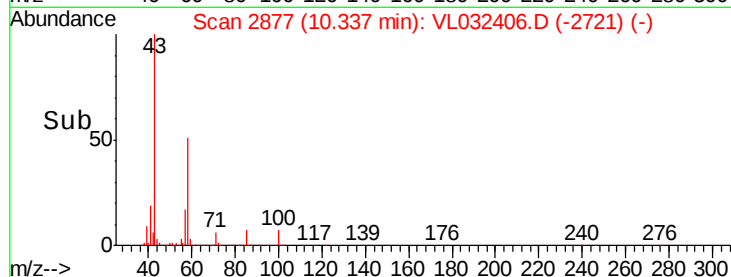
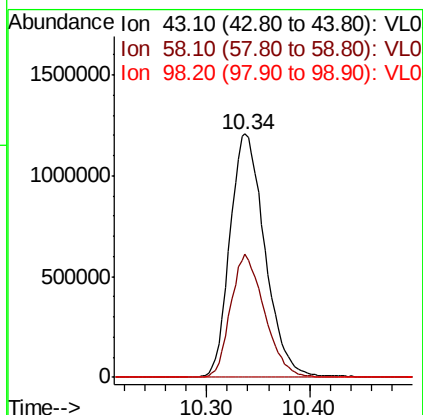
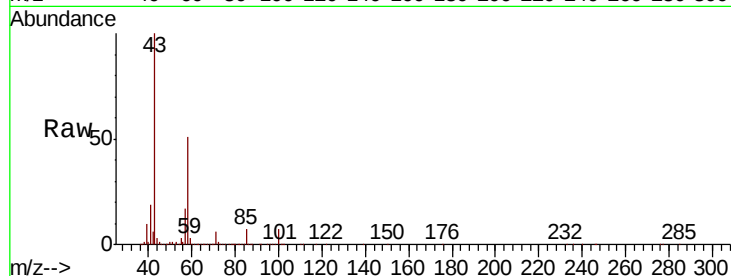


#51
2-Hexanone
Concen: 11.418 ppbv
RT: 10.34 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2853928

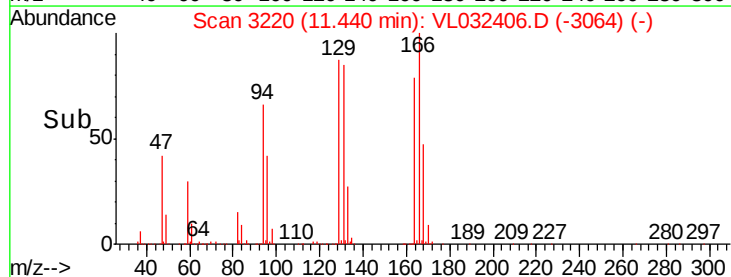
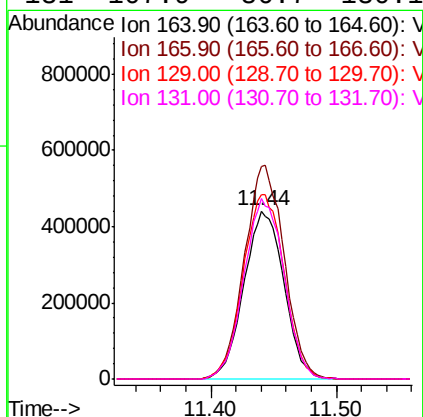
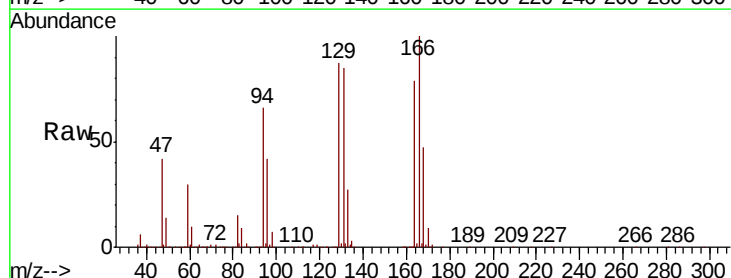
Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.5	59.3
98	0.4	0.3	0.5

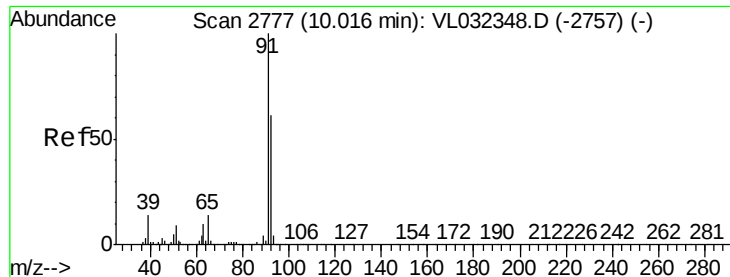


#52
Tetrachloroethene
Concen: 10.780 ppbv
RT: 11.44 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 164 Resp: 975972

Ion	Ratio	Lower	Upper
164	100		
166	126.6	103.5	155.3
129	109.9	90.9	136.3
131	107.9	86.7	130.1





#53

Toluene

Concen: 10.971 ppbv

RT: 10.02 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

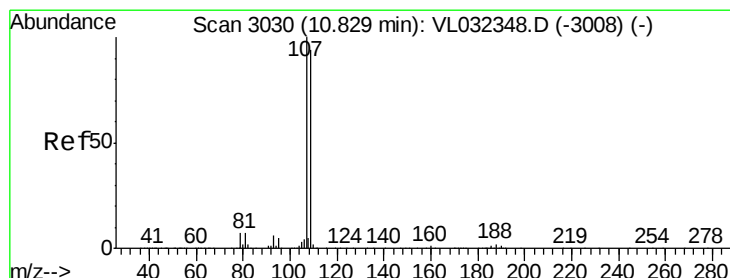
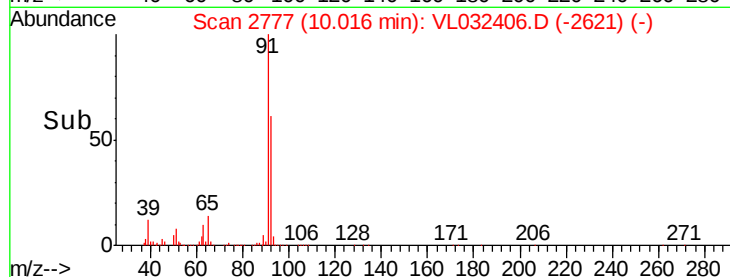
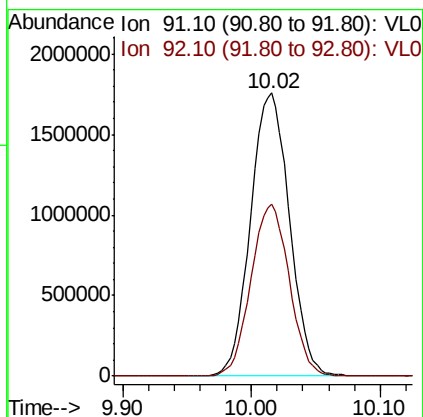
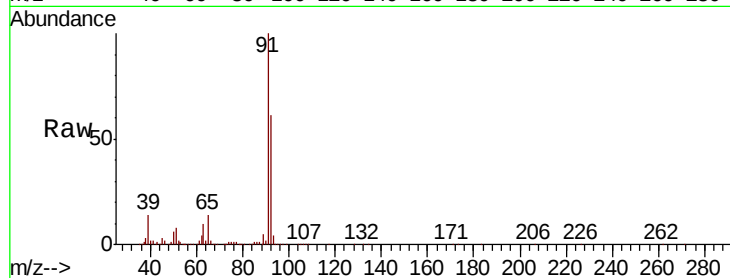
VSTDCCC010

Tgt Ion: 91 Resp: 3691966

Ion Ratio Lower Upper

91 100

92 60.2 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.741 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032406.D

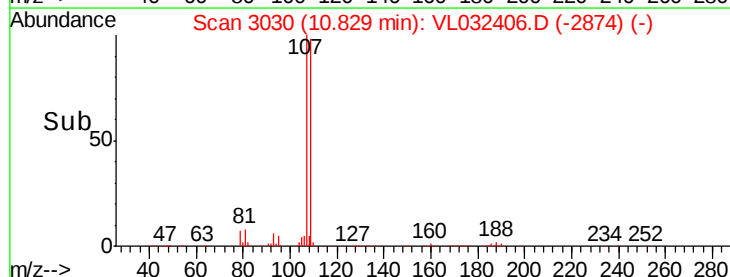
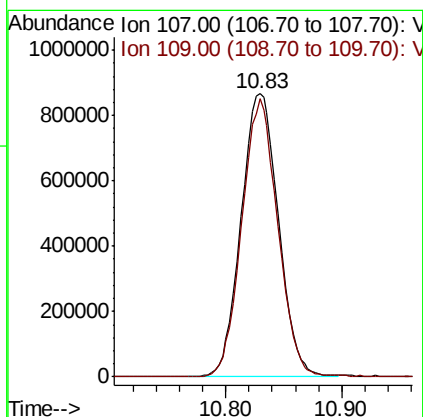
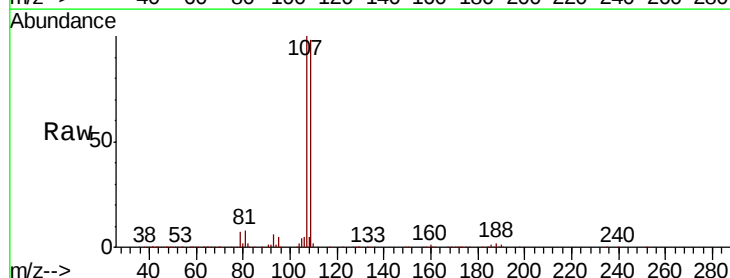
Acq: 17 Aug 2018 13:19

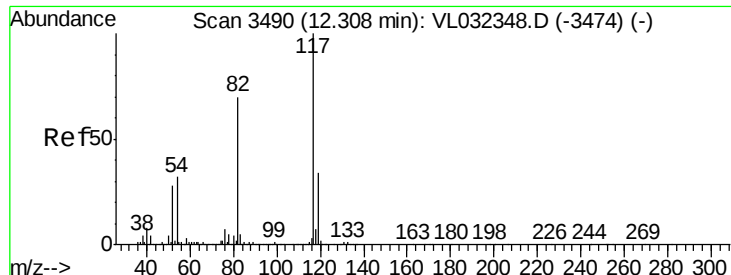
Tgt Ion: 107 Resp: 1947178

Ion Ratio Lower Upper

107 100

109 98.2 74.9 112.3

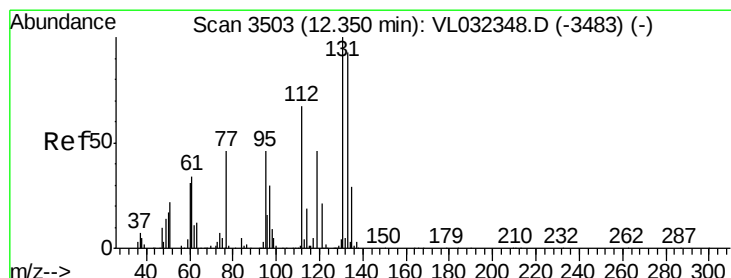
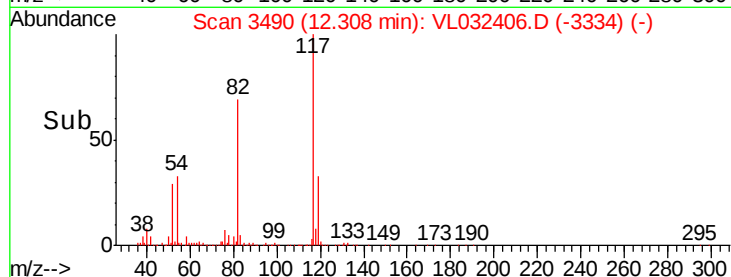
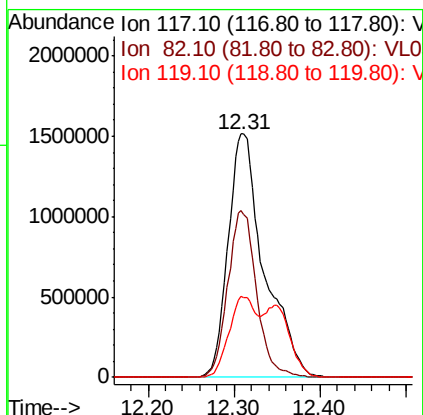
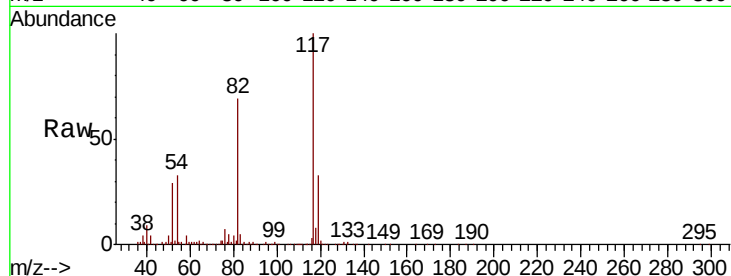




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.31 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

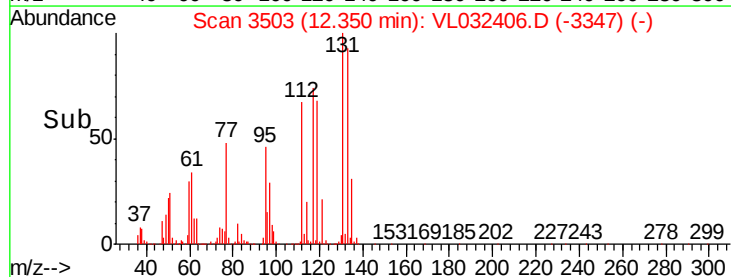
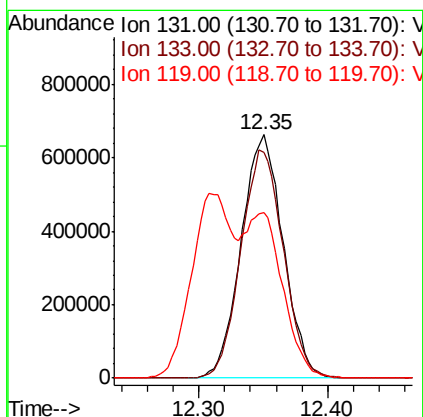
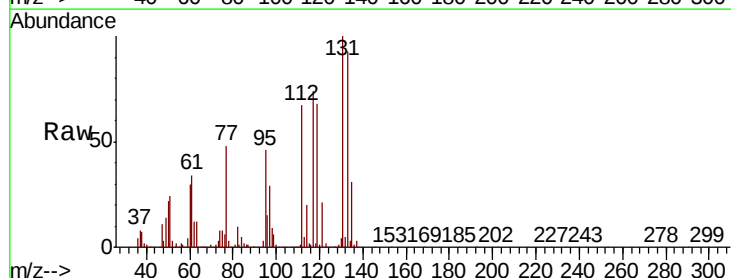
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

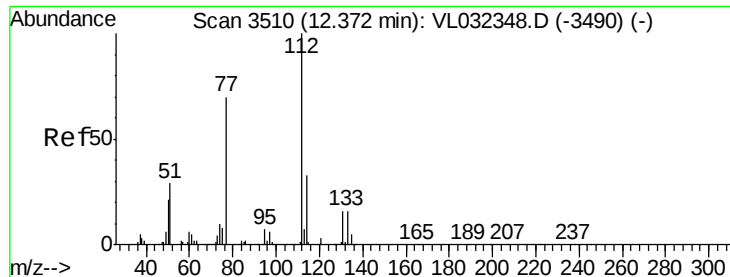
Tgt Ion:117 Resp: 4416838
Ion Ratio Lower Upper
117 100
82 54.6 55.1 82.7#
119 27.7 46.0 69.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.208 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion:131 Resp: 1499792
Ion Ratio Lower Upper
131 100
133 94.9 75.7 113.5
119 57.4 116.0 174.0#





#57

Chlorobenzene

Concen: 8.205 ppbv

RT: 12.37 min Scan# 3509

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

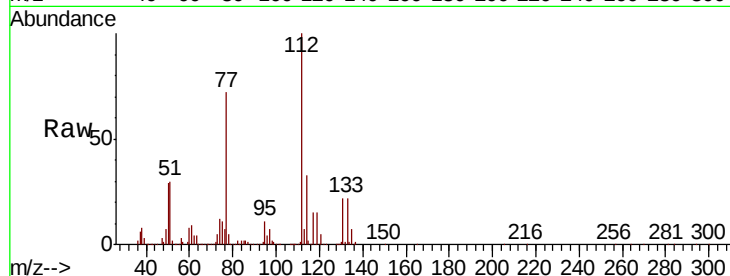
Tgt Ion:112 Resp: 2728080

Ion Ratio Lower Upper

112 100

77 71.5 56.6 84.8

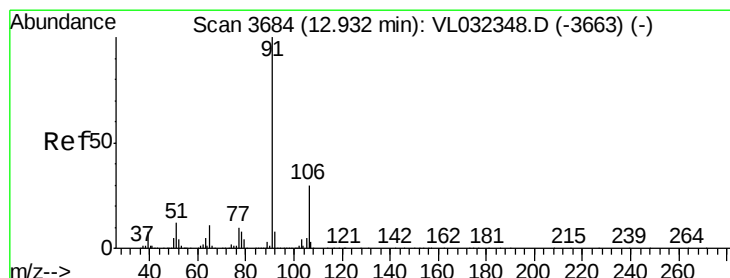
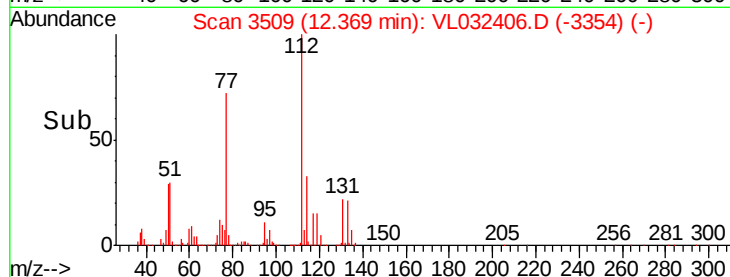
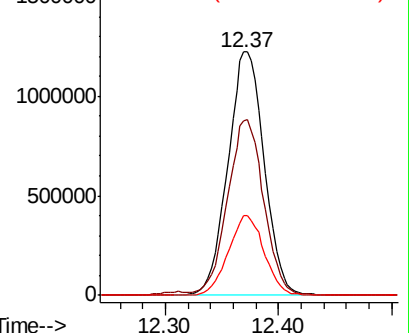
114 32.8 29.4 36.0



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: 9.262 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VL032406.D

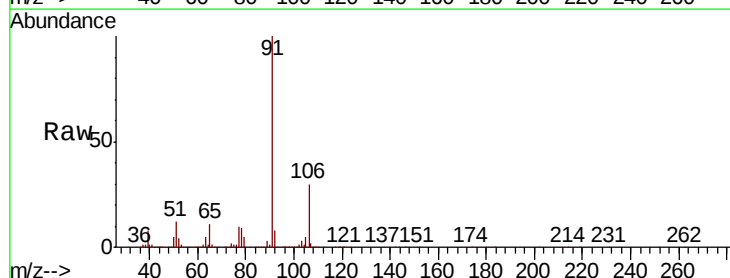
Acq: 17 Aug 2018 13:19

Tgt Ion: 91 Resp: 4921831

Ion Ratio Lower Upper

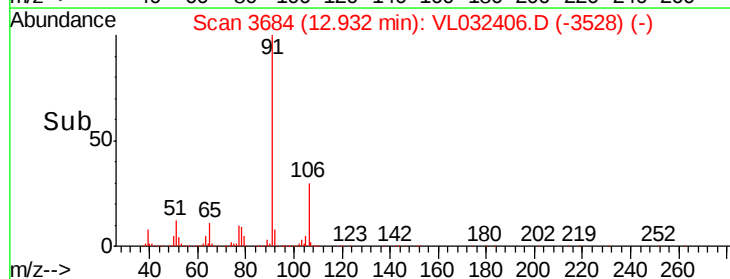
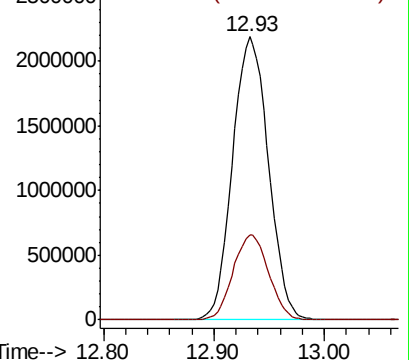
91 100

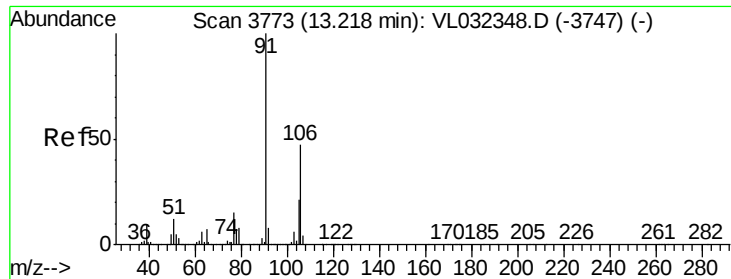
106 30.1 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

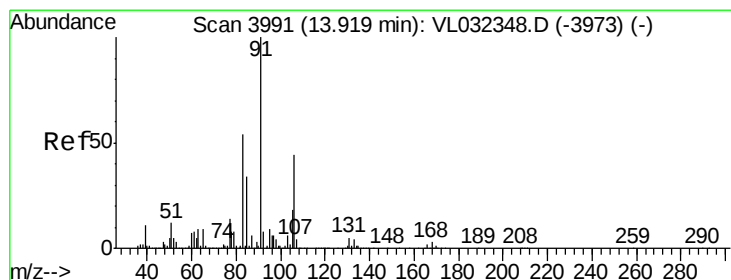
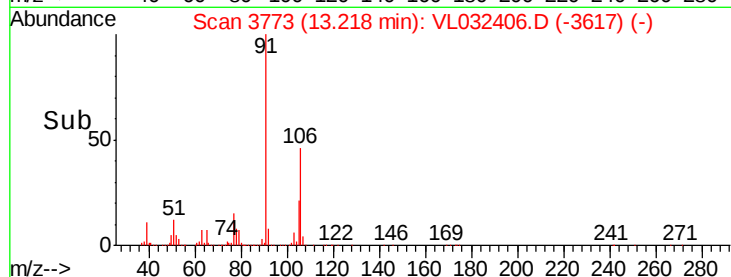
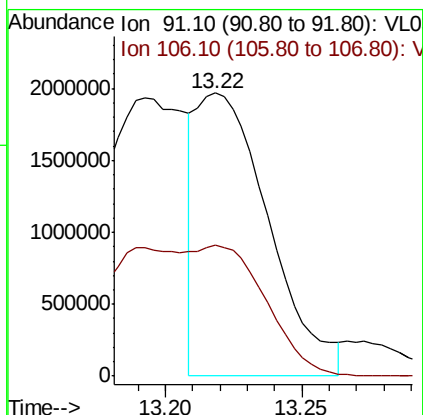
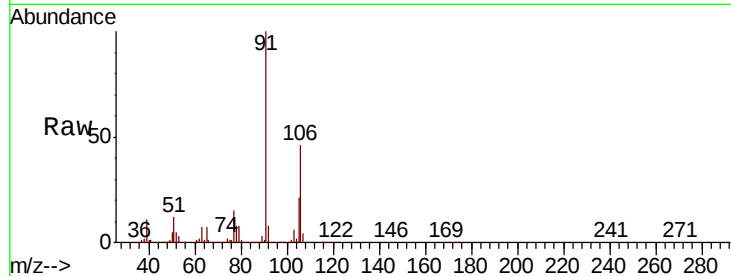




#59
m/p-Xylene
Concen: 7.977 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

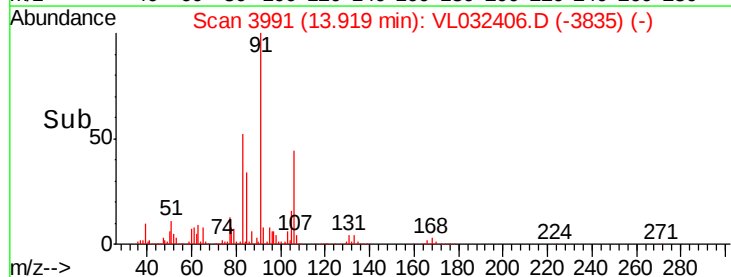
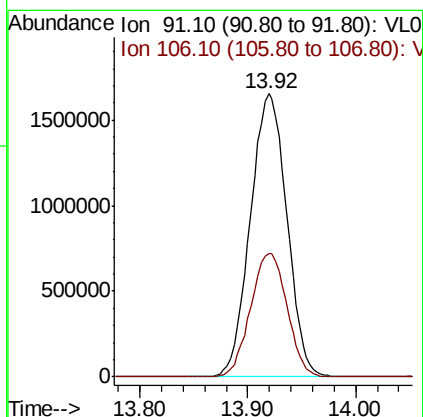
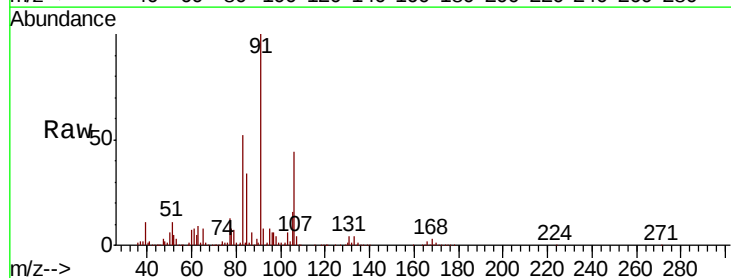
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

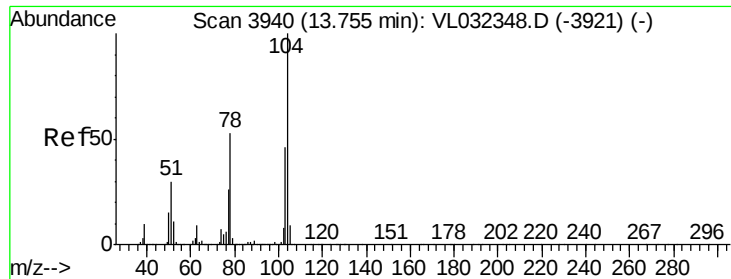
Tgt Ion: 91 Resp: 3600733
Ion Ratio Lower Upper
91 100
106 100.9 37.0 55.4#



#60
o-Xylene
Concen: 8.759 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 91 Resp: 3886172
Ion Ratio Lower Upper
91 100
106 43.8 22.3 66.8





#61

Styrene

Concen: 9.766 ppbv

RT: 13.76 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

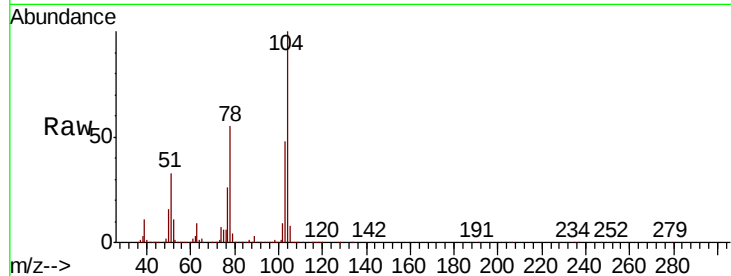
Tgt Ion:104 Resp: 3028238

Ion Ratio Lower Upper

104 100

78 53.4 42.6 64.0

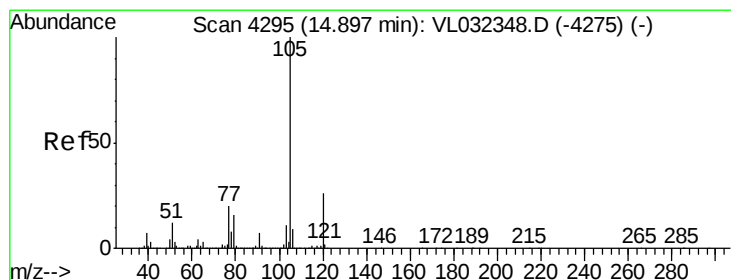
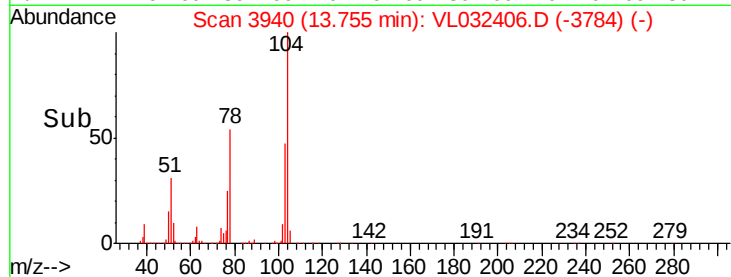
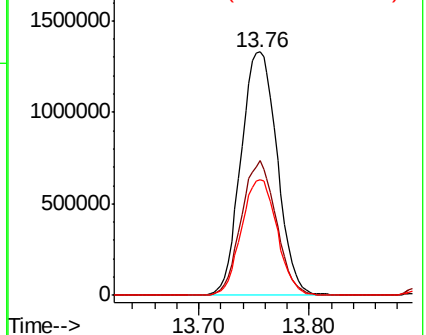
103 47.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.689 ppbv

RT: 14.90 min Scan# 4295

Delta R.T. 0.00 min

Lab File: VL032406.D

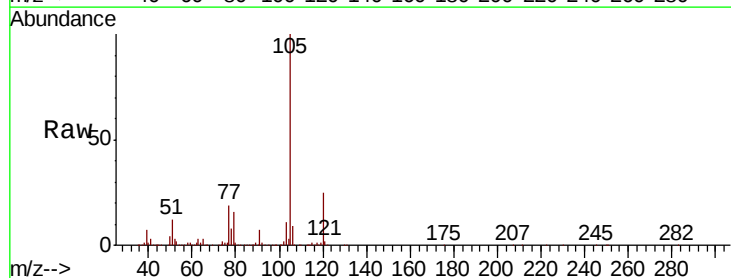
Acq: 17 Aug 2018 13:19

Tgt Ion:105 Resp: 5487649

Ion Ratio Lower Upper

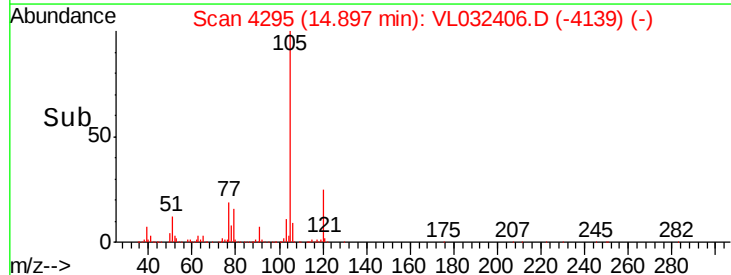
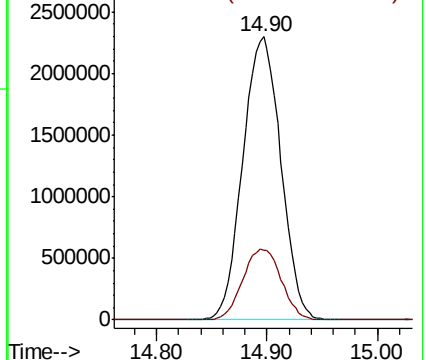
105 100

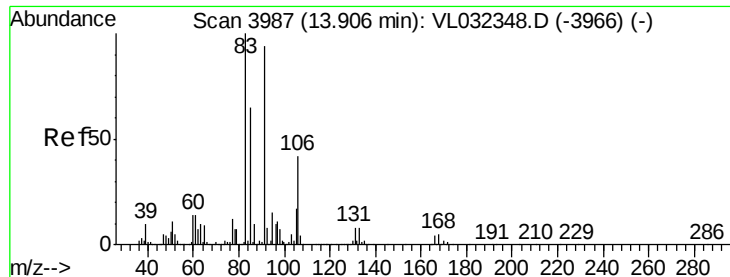
120 25.4 20.6 30.8



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: 7.847 ppbv

RT: 13.91 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

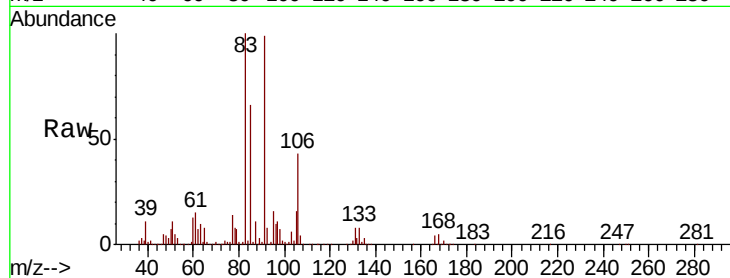
Tgt Ion: 83 Resp: 2927769

Ion Ratio Lower Upper

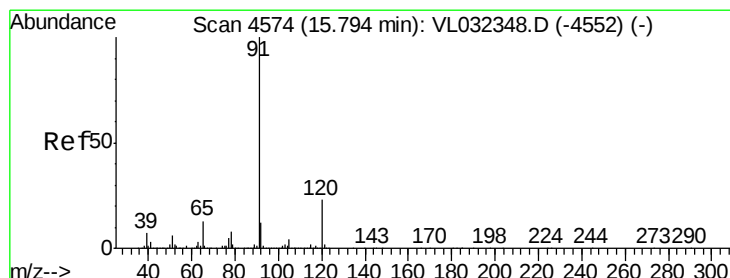
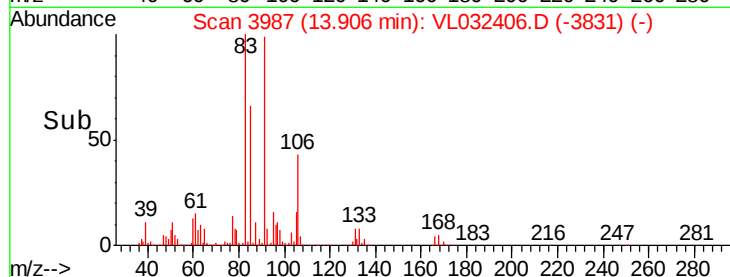
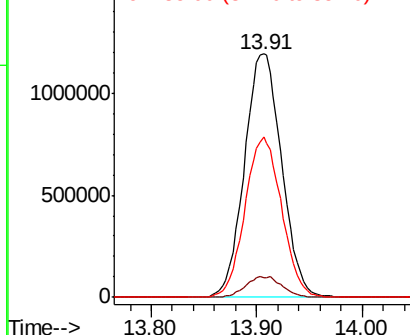
83 100

131 8.3 4.3 12.8

85 65.0 32.4 97.2



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



#64

n-propylbenzene

Concen: 8.802 ppbv

RT: 15.79 min Scan# 4572

Delta R.T. -0.01 min

Lab File: VL032406.D

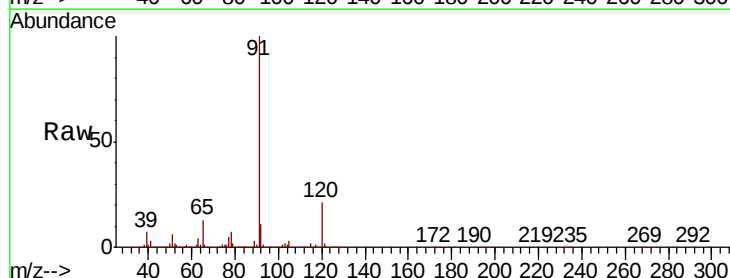
Acq: 17 Aug 2018 13:19

Tgt Ion: 120 Resp: 1438834

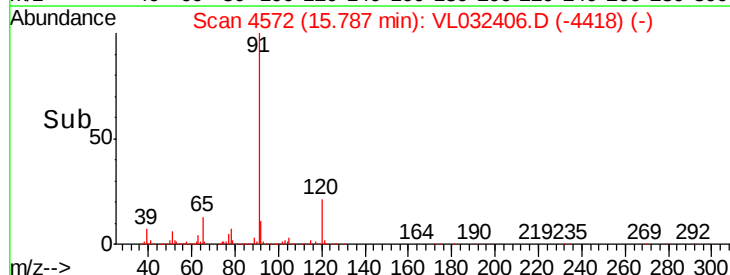
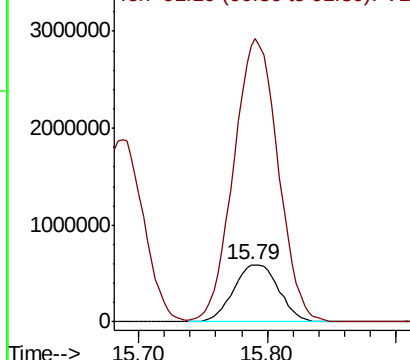
Ion Ratio Lower Upper

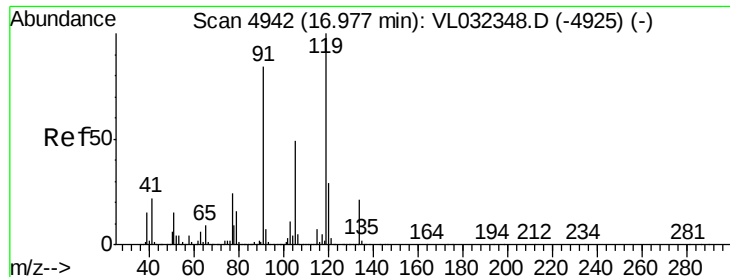
120 100

91 489.2 382.2 573.2



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

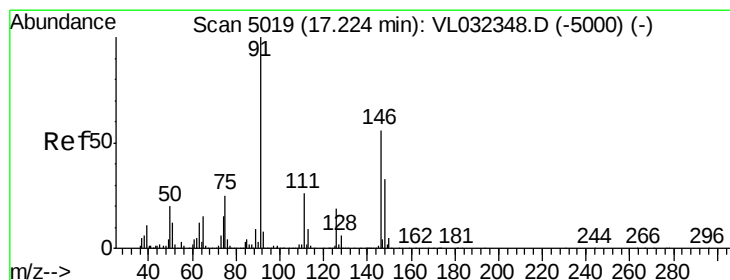
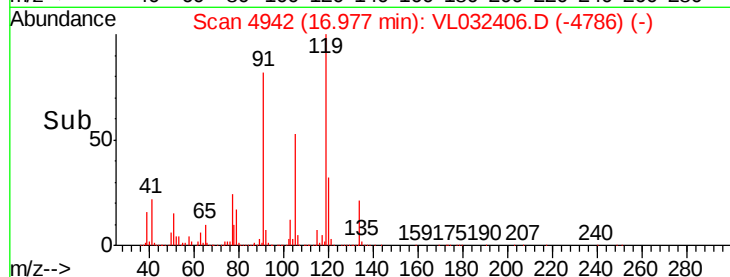
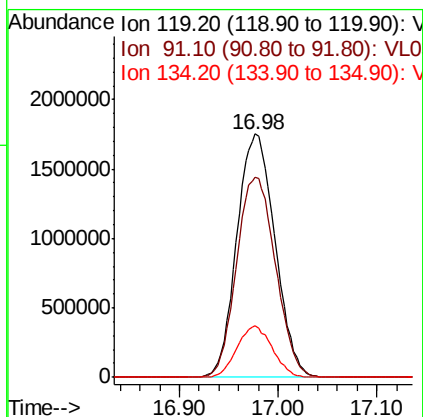
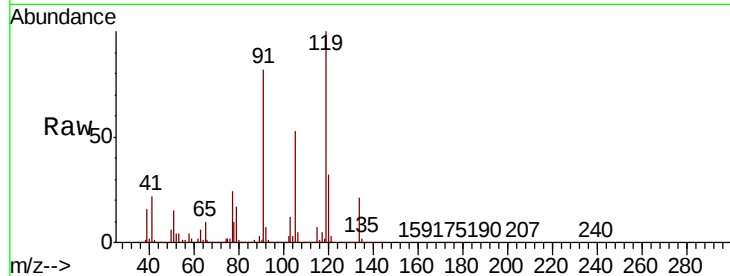




#65
 tert-Butylbenzene
 Concen: 8.683 ppbv
 RT: 16.98 min Scan# 4942
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

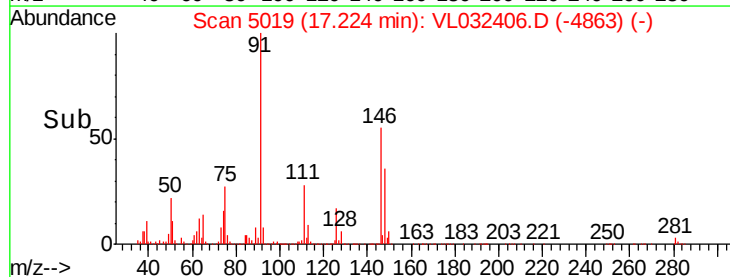
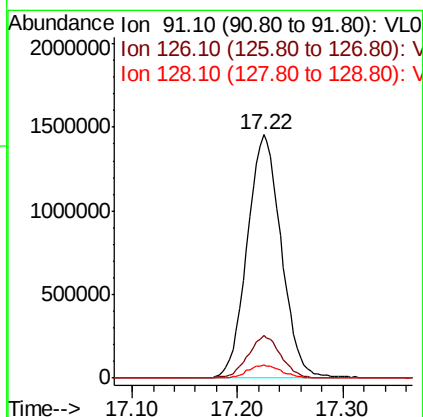
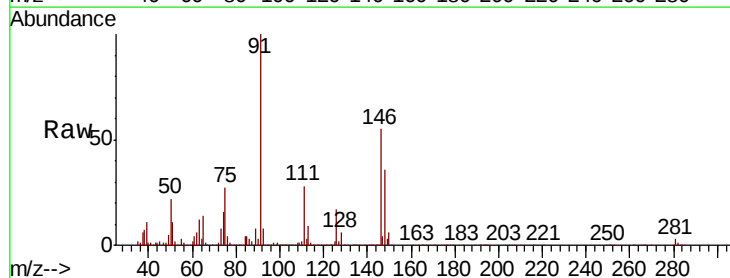
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

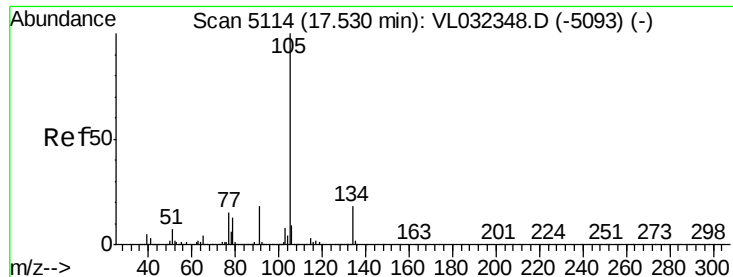
Tgt Ion: 119 Resp: 4684766
 Ion Ratio Lower Upper
 119 100
 91 84.3 67.4 101.0
 134 19.6 15.8 23.6



#66
 Benzyl Chloride
 Concen: 10.220 ppbv
 RT: 17.22 min Scan# 5019
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 91 Resp: 3264872
 Ion Ratio Lower Upper
 91 100
 126 17.0 14.2 21.4
 128 5.5 4.5 6.7

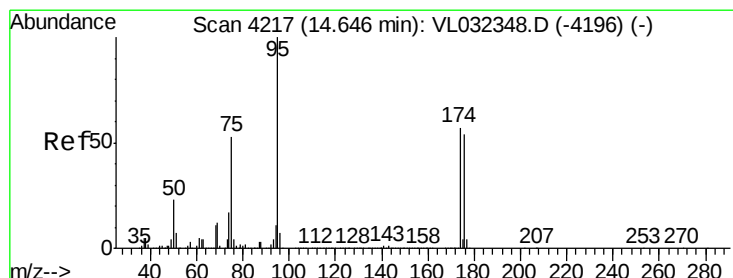
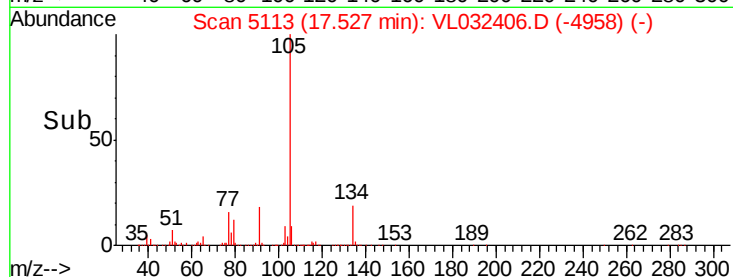
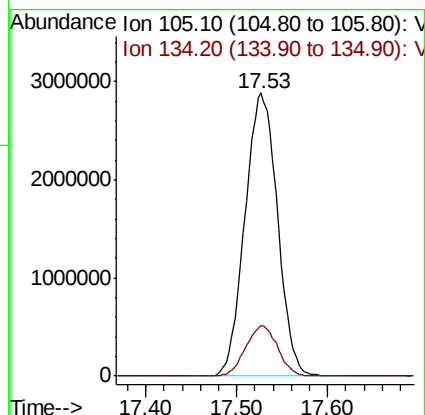
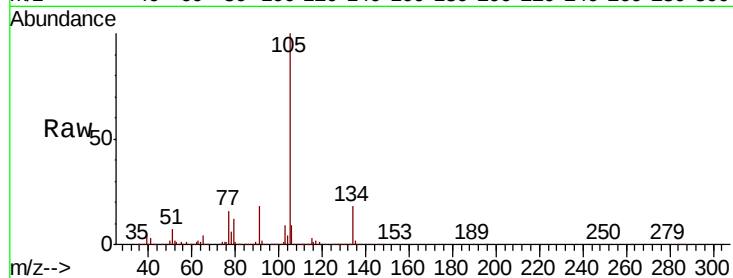




#67
 sec-Butylbenzene
 Concen: 8.922 ppbv
 RT: 17.53 min Scan# 5113
 Delta R.T. -0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

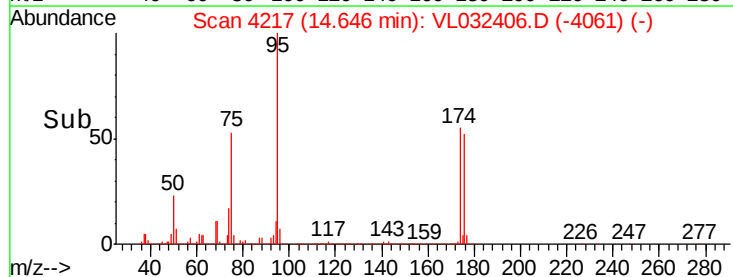
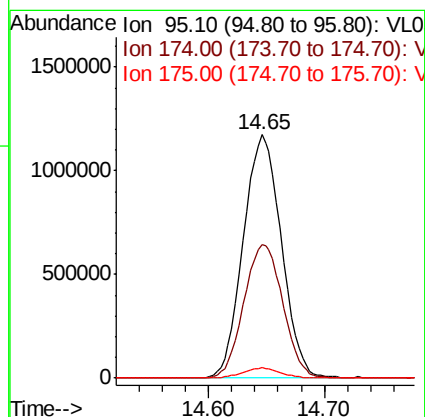
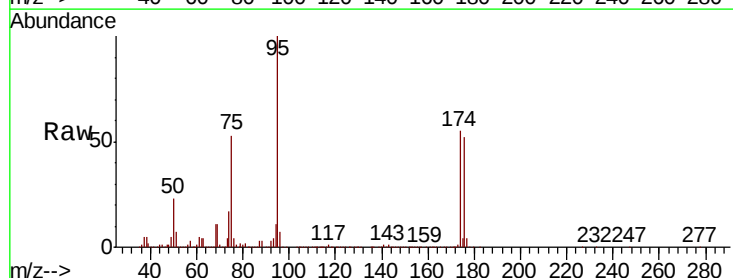
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

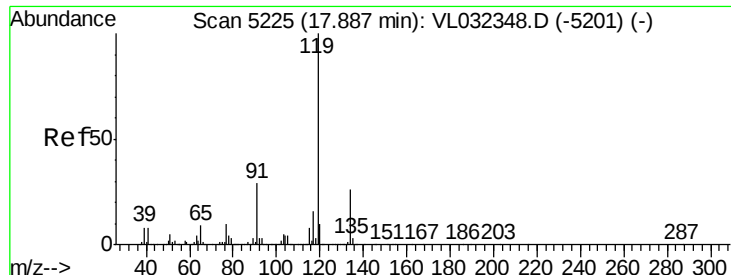
Tgt Ion: 105 Resp: 7157173
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.974 ppbv
 RT: 14.65 min Scan# 4217
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion: 95 Resp: 2687161
 Ion Ratio Lower Upper
 95 100
 174 56.4 46.2 69.4
 175 4.1 3.4 5.0

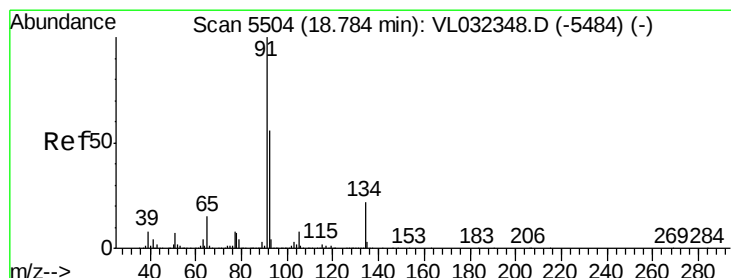
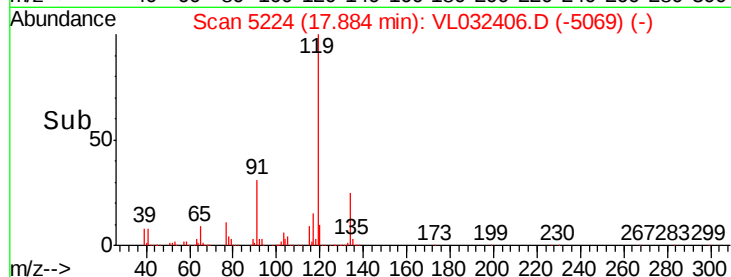
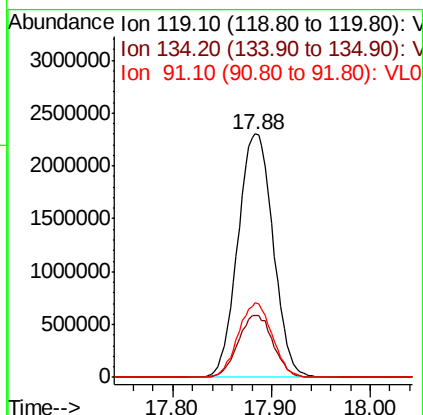
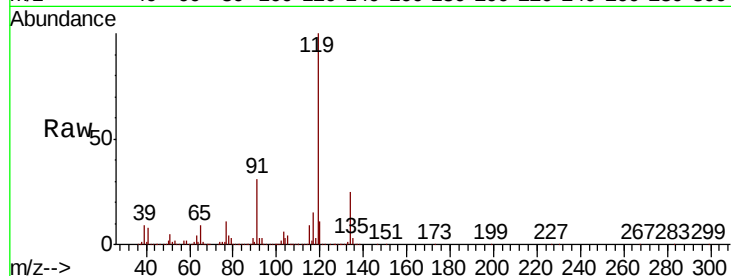




#69
p-Isopropyltoluene
Concen: 9.271 ppbv
RT: 17.88 min Scan# 5224
Delta R.T. -0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

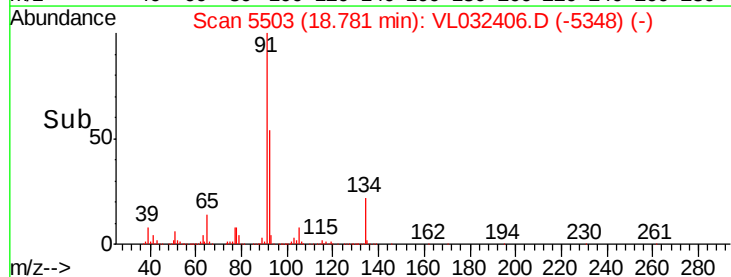
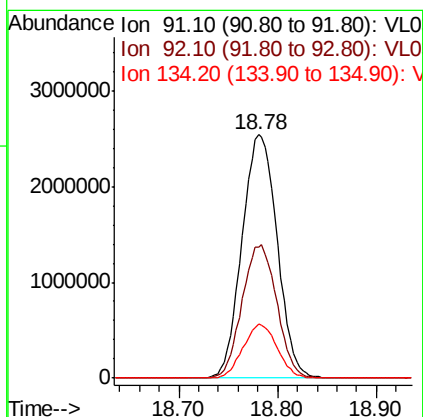
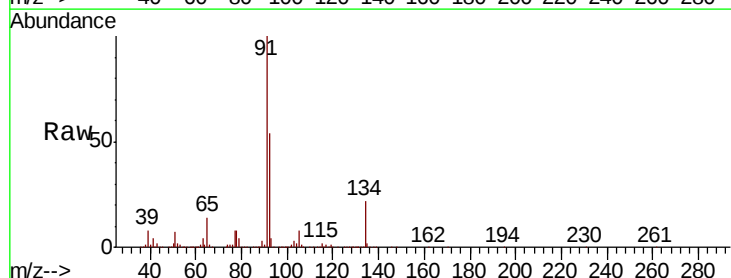
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

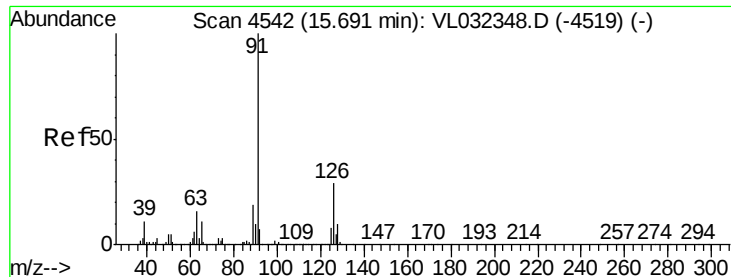
Tgt Ion: 119 Resp: 5692546
Ion Ratio Lower Upper
119 100
134 25.2 20.4 30.6
91 29.5 23.6 35.4



#70
n-Butylbenzene
Concen: 9.278 ppbv
RT: 18.78 min Scan# 5503
Delta R.T. -0.00 min
Lab File: VL032406.D
Acq: 17 Aug 2018 13:19

Tgt Ion: 91 Resp: 6245904
Ion Ratio Lower Upper
91 100
92 54.3 43.9 65.9
134 21.3 17.3 25.9





#71

2-Chlorotoluene

Concen: 9.056 ppbv

RT: 15.69 min Scan# 4541

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

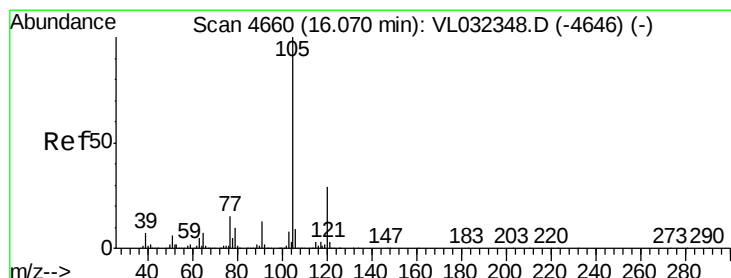
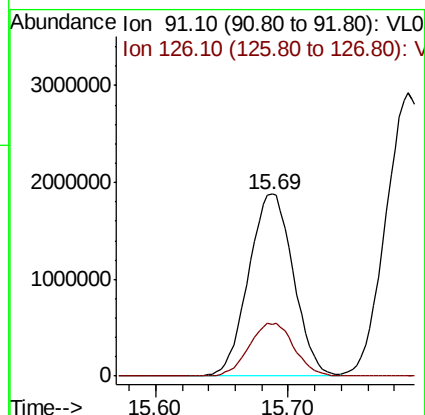
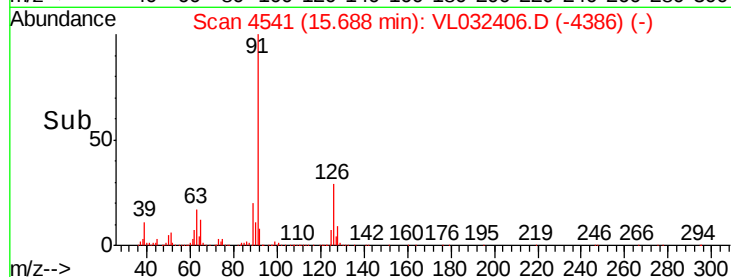
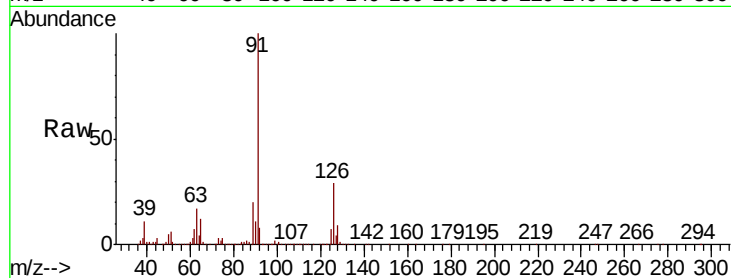
VSTDCCC010

Tgt Ion: 91 Resp: 4426611

Ion Ratio Lower Upper

91 100

126 29.2 11.8 47.2



#72

4-Ethyltoluene

Concen: 9.324 ppbv

RT: 16.07 min Scan# 4659

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Tgt Ion: 105 Resp: 4614175

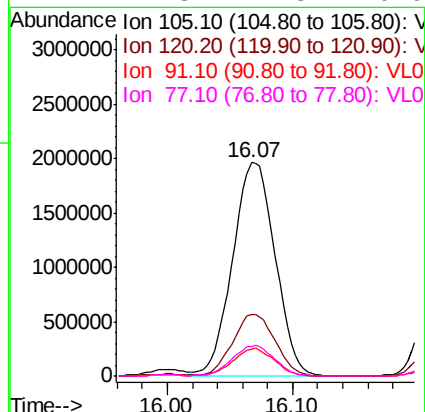
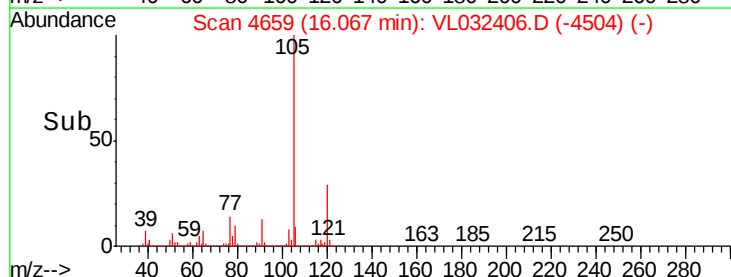
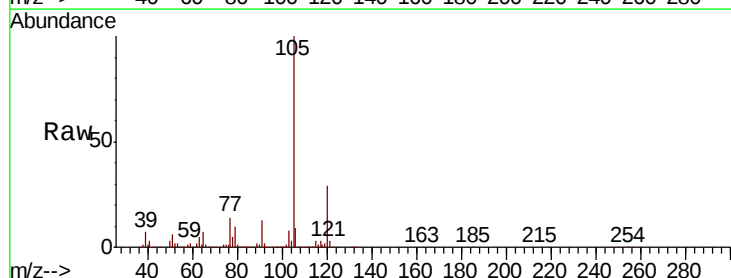
Ion Ratio Lower Upper

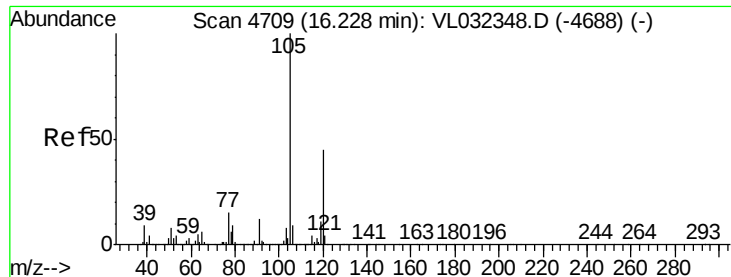
105 100

120 29.0 23.4 35.0

91 12.7 10.0 15.0

77 14.3 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 9.229 ppbv

RT: 16.23 min Scan# 4709

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

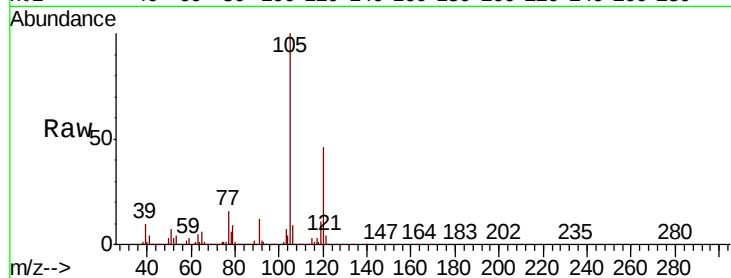
VSTDCCC010

Tgt Ion:105 Resp: 4393005

Ion Ratio Lower Upper

105 100

120 46.4 36.3 54.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.23

2000000

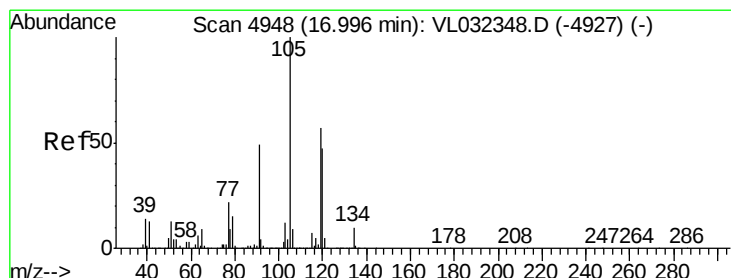
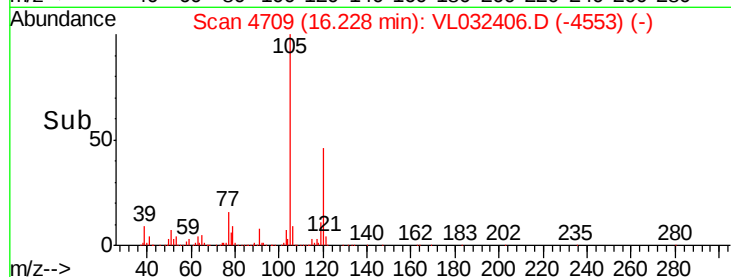
1500000

1000000

500000

0

Time--> 16.10 16.20 16.30



#74

1,2,4-Trimethylbenzene

Concen: 8.790 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Tgt Ion:105 Resp: 4451970

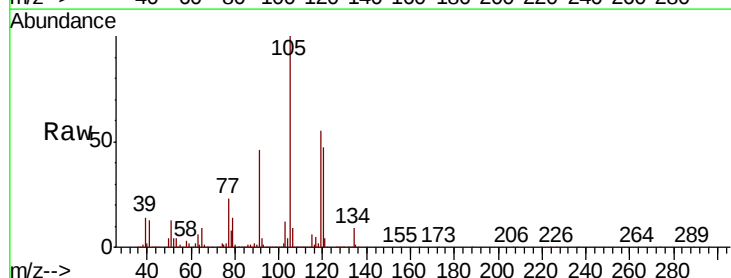
Ion Ratio Lower Upper

105 100

120 46.8 37.6 56.4

91 45.6 39.9 59.9

77 22.5 17.8 26.8



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

3000000

2500000

2000000

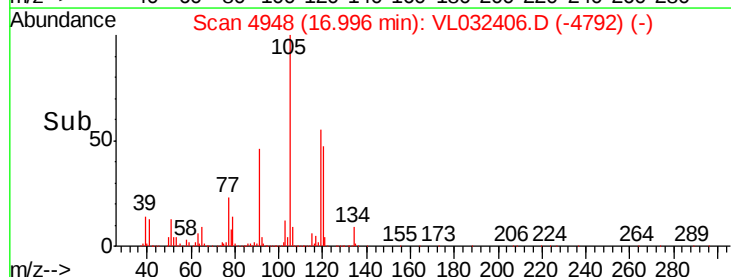
1500000

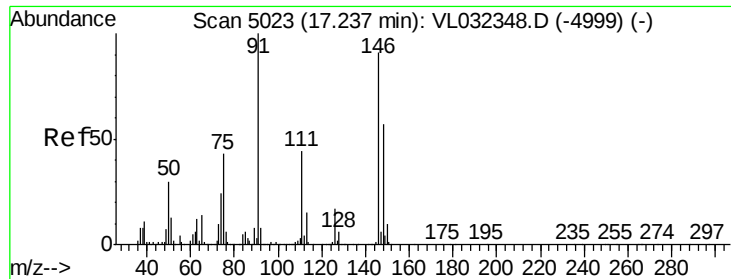
1000000

500000

0

Time--> 16.90 17.00 17.10





#75

1,3-Dichlorobenzene

Concen: 8.164 ppbv

RT: 17.24 min Scan# 5023

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

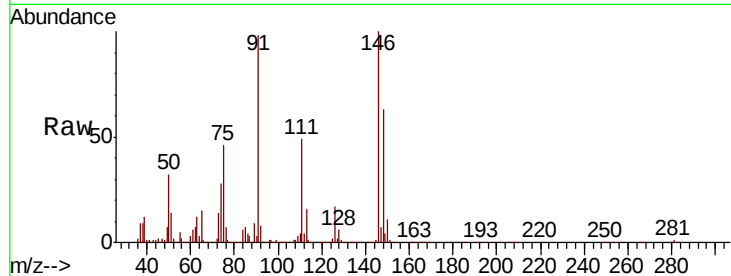
Tgt Ion:146 Resp: 2485046

Ion Ratio Lower Upper

146 100

111 49.4 24.6 73.8

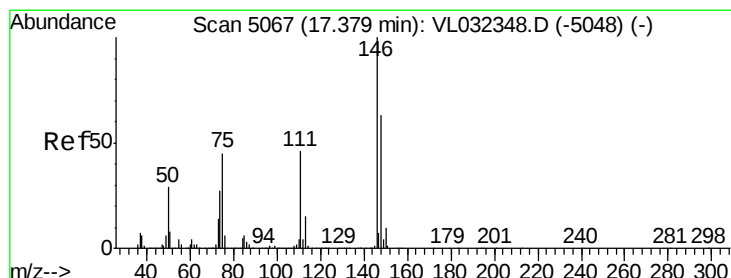
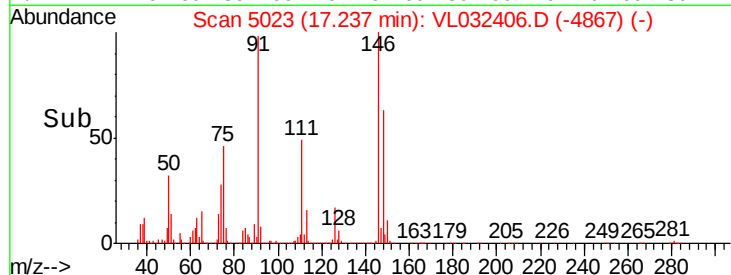
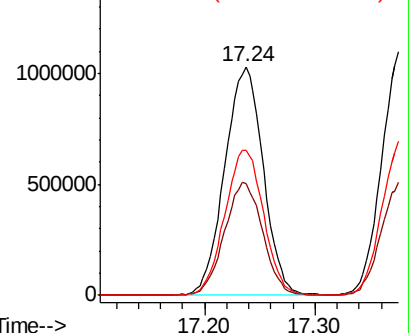
148 64.2 32.0 96.0



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: 8.859 ppbv

RT: 17.38 min Scan# 5066

Delta R.T. -0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

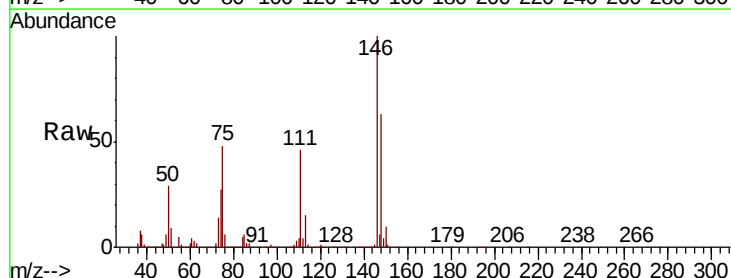
Tgt Ion:146 Resp: 2554052

Ion Ratio Lower Upper

146 100

111 47.2 23.8 71.4

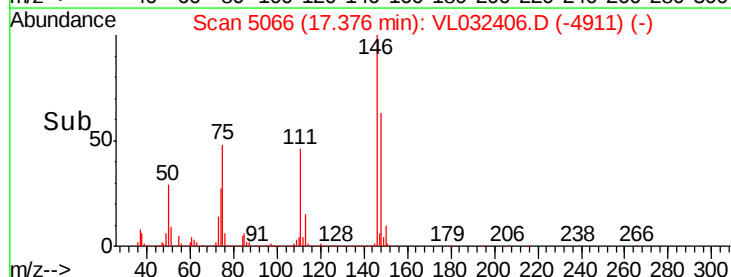
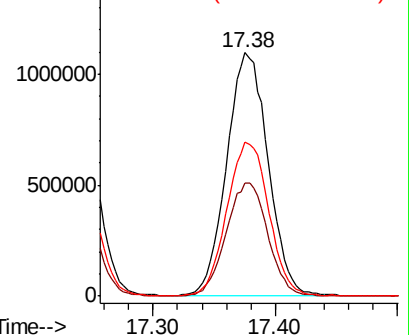
148 64.5 32.2 96.6

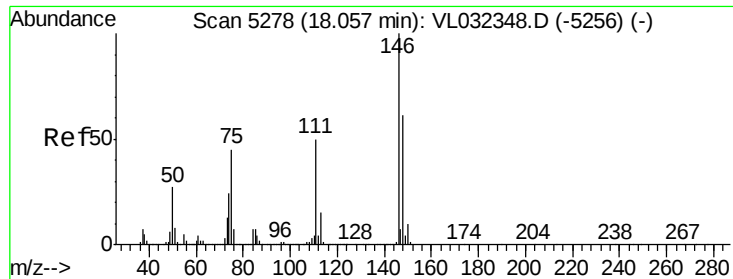


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

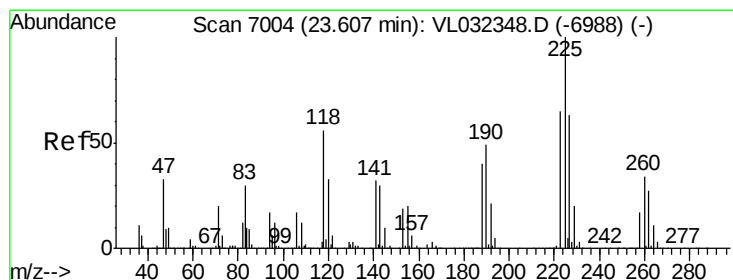
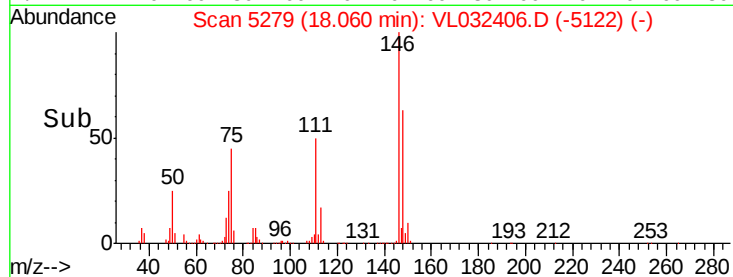
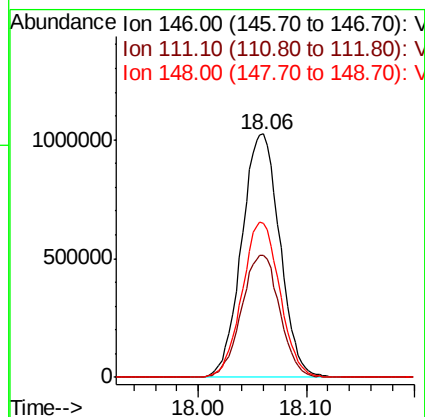
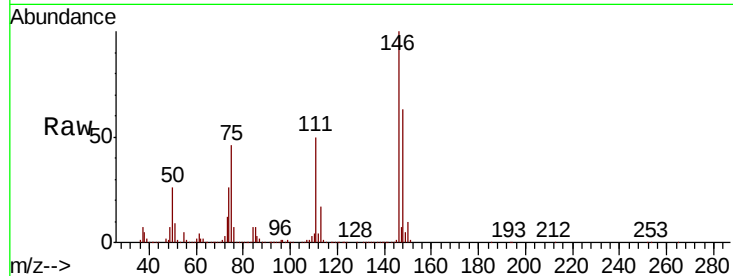




#77
 1,2-Dichlorobenzene
 Concen: 8.642 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

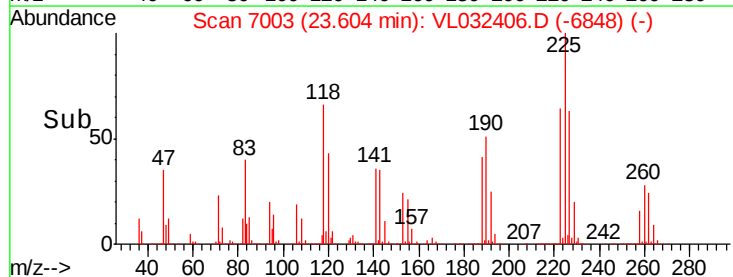
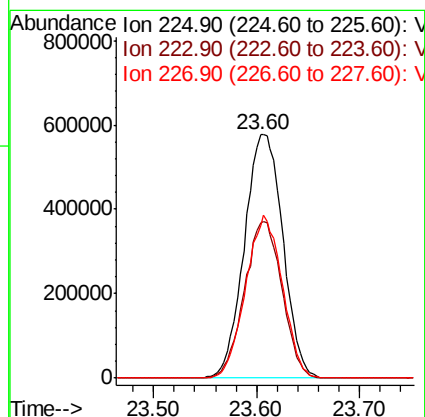
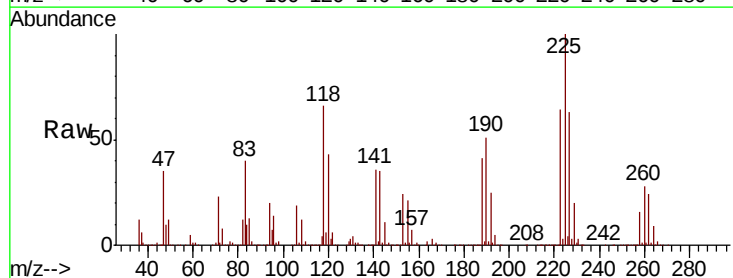
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

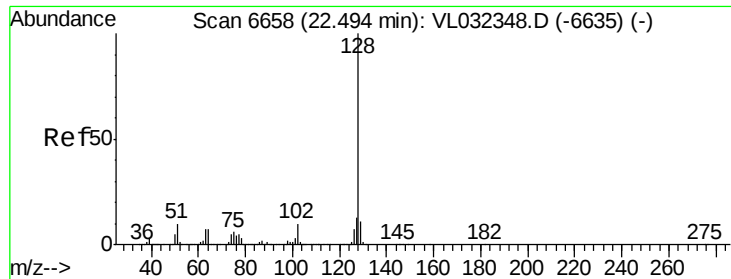
Tgt Ion:146 Resp: 2513221
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.2 75.6
 148 63.3 31.8 95.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 15.336 ppbv
 RT: 23.60 min Scan# 7003
 Delta R.T. -0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Tgt Ion:225 Resp: 1497068
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.6 76.0
 227 63.7 51.0 76.6





#79

Naphthalene

Concen: 9.135 ppbv

RT: 22.49 min Scan# 6658

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

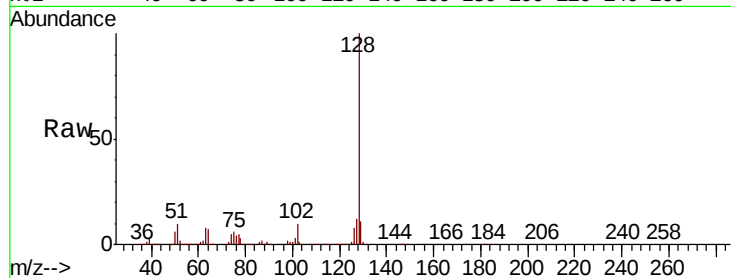
Tgt Ion:128 Resp: 4313248

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

129 10.6 8.6 13.0

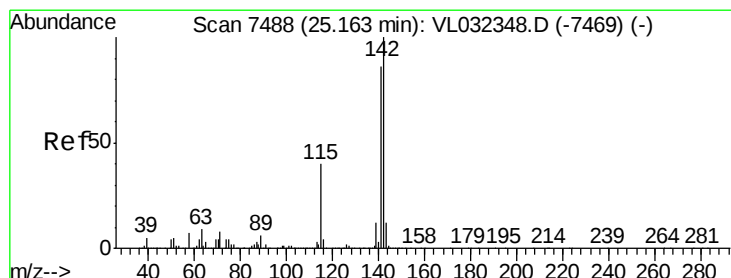
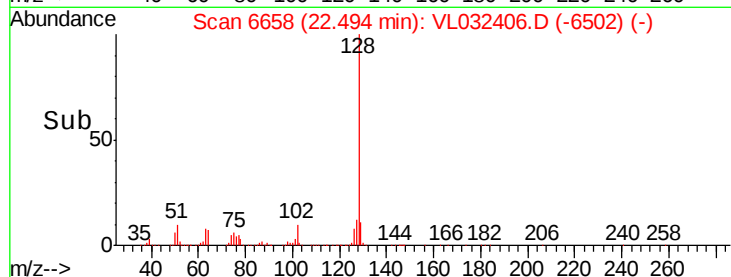
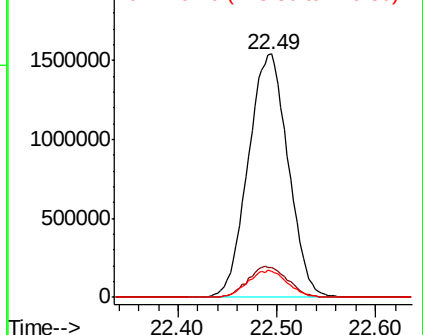


Abundance

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: 16.993 ppbv

RT: 25.17 min Scan# 7489

Delta R.T. 0.00 min

Lab File: VL032406.D

Acq: 17 Aug 2018 13:19

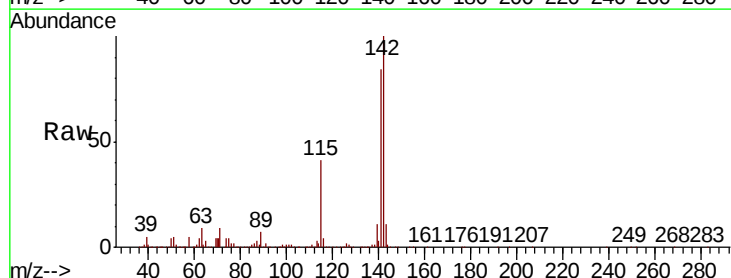
Tgt Ion:142 Resp: 1717114

Ion Ratio Lower Upper

142 100

141 84.1 66.7 100.1

115 40.3 31.0 46.6

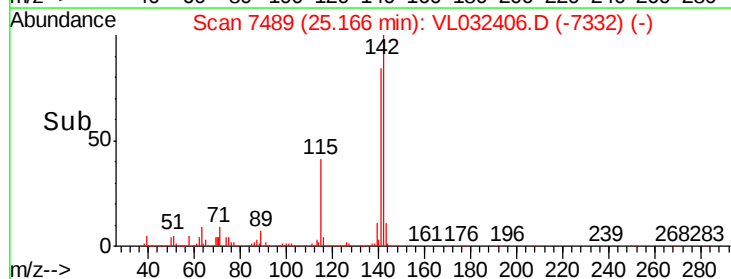
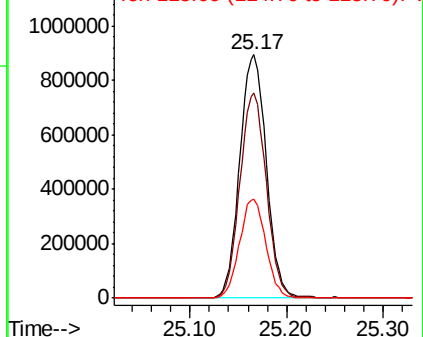


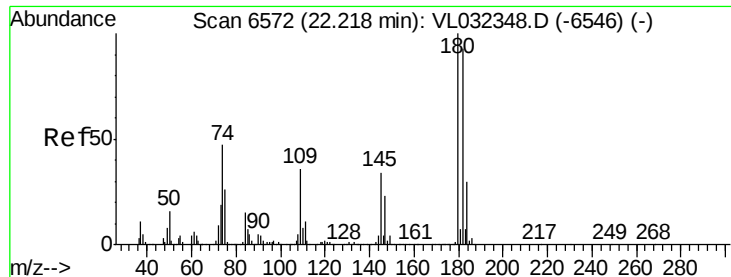
Abundance

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

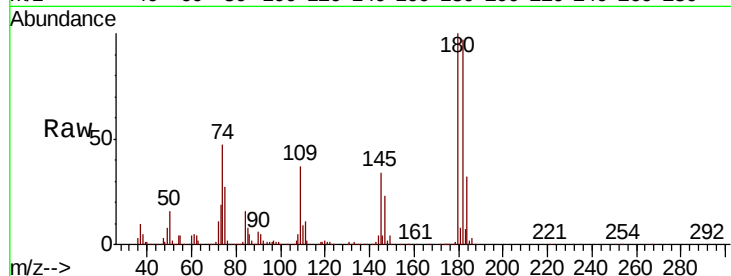




#81
 1,2,4-Trichlorobenzene
 Concen: 4.955 ppbv
 RT: 22.22 min Scan# 6572
 Delta R.T. 0.00 min
 Lab File: VL032406.D
 Acq: 17 Aug 2018 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 970459
 Ion Ratio Lower Upper
 180 100
 182 199.1 76.1 114.1#
 184 63.3 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

