

Data File : VL034006.D
Acq On : 3 Jul 2019 9:46
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Jul 03 10:21:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1010961	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2606158	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3651815	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	2315680	7.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1605193	7.694	ppbv	97
3) Chlorodifluoromethane	3.00	51	1239192	9.926	ppbv	99
4) Chloromethane	3.16	50	701753	9.776	ppbv	100
5) Vinyl Chloride	3.27	62	766606	9.497	ppbv	92
6) Bromomethane	3.49	94	490584	10.306	ppbv	98
7) Chloroethane	3.58	64	299262	10.373	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2020691	9.934	ppbv	99
9) Propene	3.02	41	451294	9.827	ppbv	98
10) Heptane	8.22	43	1256557	10.928	ppbv	99
11) Trichlorofluoromethane	3.98	101	2185956	9.318	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1608505	9.687	ppbv	98
13) Ethanol	3.63	45	79075	5.543	ppbv	63
14) Bromoethene	3.77	108	687194	11.082	ppbv	99
15) Acetone	3.88	43	1437366	8.456	ppbv	99
16) 1,3-Butadiene	3.35	39	654935	10.912	ppbv	99
17) tert-Butyl alcohol	4.34	59	1464911	10.810	ppbv	98
18) 1,1-Dichloroethene	4.33	96	728621	9.852	ppbv	94
19) Isopropyl Alcohol	4.00	45	1144559	10.032	ppbv	99
20) Methylene Chloride	4.39	84	647693	8.737	ppbv	98
21) Allyl Chloride	4.46	41	1072714	10.122	ppbv	98
22) trans-1,2-Dichloroethene	4.94	96	749853	10.641	ppbv	98
23) Vinyl Acetate	5.13	43	1831603	10.796	ppbv	99
24) 1,1-Dichloroethane	5.07	63	1506285	10.018	ppbv	98
25) Ethyl Acetate	5.74	43	2427884	10.444	ppbv	100
26) Hexane	5.75	57	1087578	10.223	ppbv	98
27) Carbon Disulfide	4.60	76	1942526	10.741	ppbv	99
28) Methyl tert-Butyl Ether	5.08	73	1947479	10.809	ppbv	99
29) Chloroform	5.82	83	1985984	9.933	ppbv	97
30) Cyclohexane	7.22	84	914490	11.131	ppbv	97
31) cis-1,2-Dichloroethene	5.62	61	1149926	11.188	ppbv	96
32) 1,1,1-Trichloroethane	6.59	97	1938667	9.567	ppbv	99
34) 2-Butanone	5.30	43	1461740	10.598	ppbv	100
35) Carbon Tetrachloride	7.10	117	2063225	10.000	ppbv	99
36) Benzene	6.98	78	2202920	10.803	ppbv	97
37) 1,2-Dichloroethane	6.38	62	1520602	10.122	ppbv	100
38) Trichloroethene	7.93	130	999301	11.013	ppbv	96
39) 1,2-Dichloropropane	7.70	63	806021	10.629	ppbv	99
40) 1,4-Dioxane	7.93	88	349962	9.996	ppbv #	98
41) Tetrahydrofuran	6.12	42	785263	11.609	ppbv	99
42) Bromodichloromethane	7.88	83	2110989	10.473	ppbv	95
43) Methyl Methacrylate	8.10	69	905078	11.698	ppbv	98

Data File : VL034006.D
Acq On : 3 Jul 2019 9:46
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

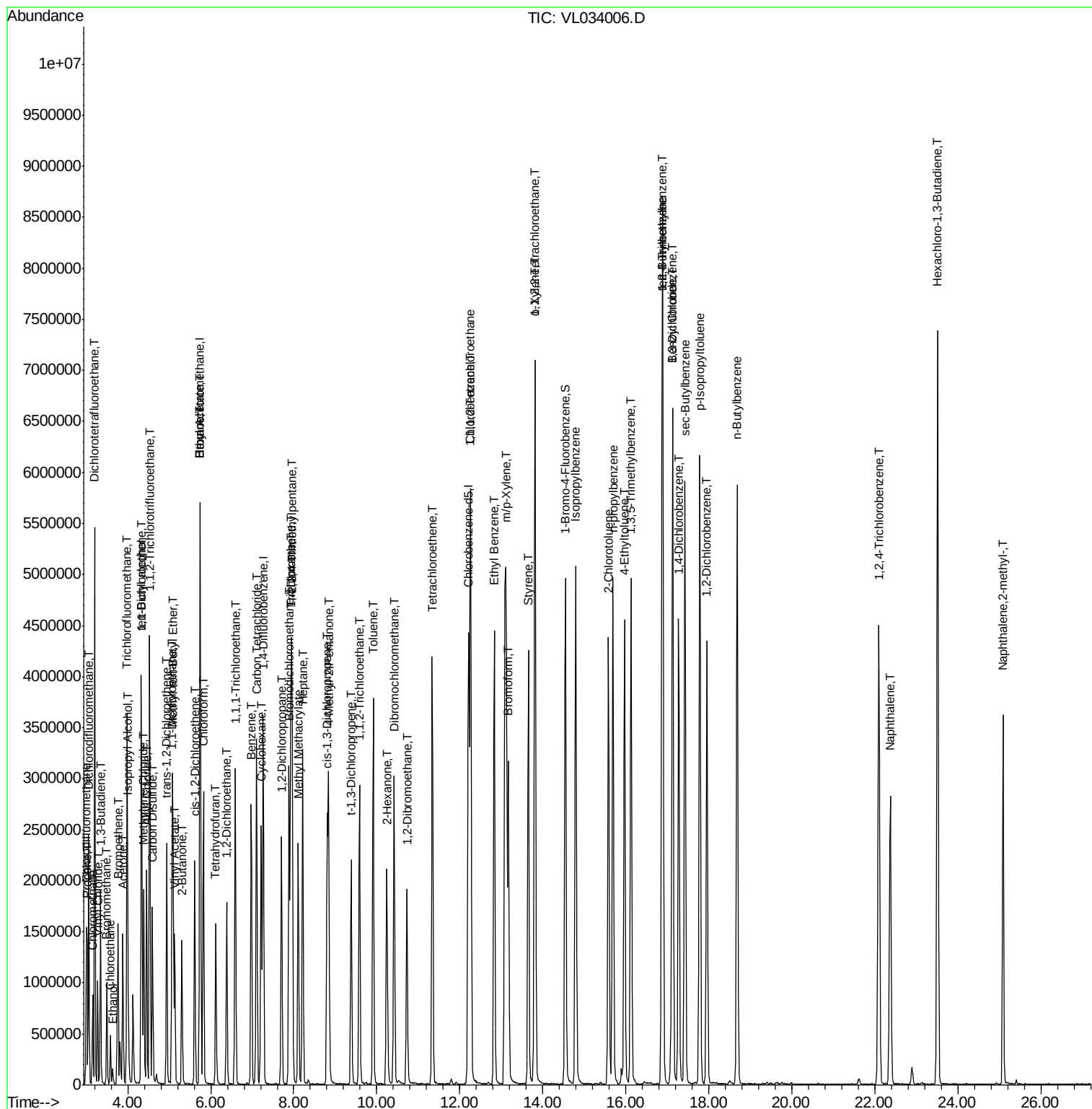
Quant Time: Jul 03 10:21:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

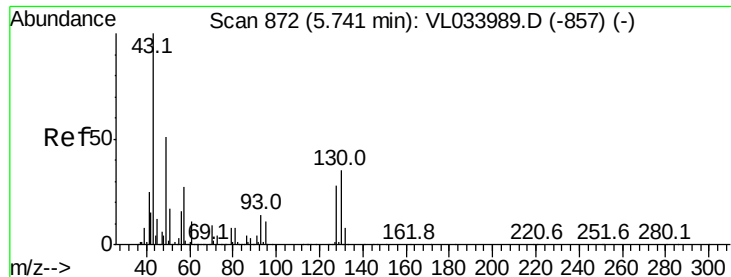
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	3725306	10.583	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1340242	13.247	ppbv	100
46) cis-1,3-Dichloropropene	8.80	75	1467947	12.528	ppbv	97
47) 1,1,2-Trichloroethane	9.58	97	1024522	10.746	ppbv	96
48) Dibromochloromethane	10.42	129	1892526	10.403	ppbv	99
49) Bromoform	13.17	173	1893621	12.184	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	2300681	11.241	ppbv	99
51) 2-Hexanone	10.24	43	1883784	11.412	ppbv #	99
52) Tetrachloroethene	11.34	164	1027625	11.708	ppbv	97
53) Toluene	9.91	91	2905523	12.447	ppbv	99
54) 1,2-Dibromoethane	10.73	107	1589666	11.298	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.24	131	1342183	8.223	ppbv	99
57) Chlorobenzene	12.26	112	2363908	8.131	ppbv	95
58) Ethyl Benzene	12.83	91	4145887	9.441	ppbv	98
59) m/p-Xylene	13.11	91	3574666	8.990	ppbv #	35
60) o-Xylene	13.81	91	3459328	8.697	ppbv	99
61) Styrene	13.65	104	2569098	9.759	ppbv	100
62) Isopropylbenzene	14.79	105	4587785	7.503	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.80	83	2373279	7.708	ppbv	100
64) n-propylbenzene	15.69	120	1163145	7.335	ppbv	97
65) tert-Butylbenzene	16.88	119	4182965	8.044	ppbv	100
66) Benzyl Chloride	17.12	91	2329955	8.758	ppbv	100
67) sec-Butylbenzene	17.42	105	5923724	8.116	ppbv	100
69) p-Isopropyltoluene	17.78	119	4918932	8.174	ppbv	99
70) n-Butylbenzene	18.68	91	4944651	7.821	ppbv	98
71) 2-Chlorotoluene	15.58	91	3453083	7.716	ppbv	100
72) 4-Ethyltoluene	15.97	105	4004653	7.839	ppbv	99
73) 1,3,5-Trimethylbenzene	16.12	105	3864174	8.130	ppbv	97
74) 1,2,4-Trimethylbenzene	16.89	105	4079349	7.749	ppbv #	88
75) 1,3-Dichlorobenzene	17.13	146	2456643	7.346	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	2435293	7.732	ppbv	99
77) 1,2-Dichlorobenzene	17.95	146	2313397	7.471	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	2145030	8.141	ppbv	98
79) Naphthalene	22.37	128	3761441	8.498	ppbv	98
80) Naphthalene,2-methyl-	25.09	142	2003060	12.437	ppbv	97
81) 1,2,4-Trichlorobenzene	22.09	180	2240439	7.882	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 870

Delta R.T. -0.01 min

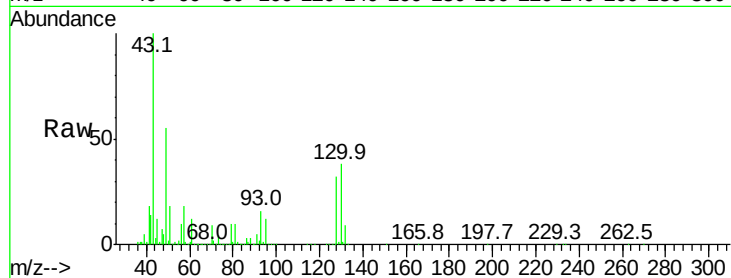
Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 49 Resp: 1010961

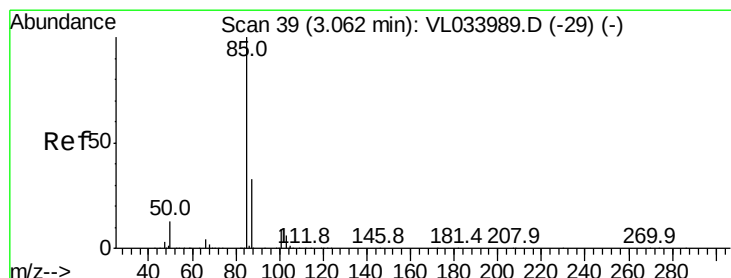
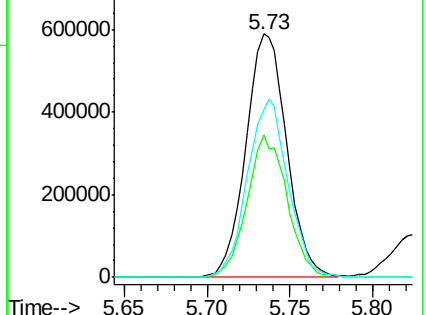
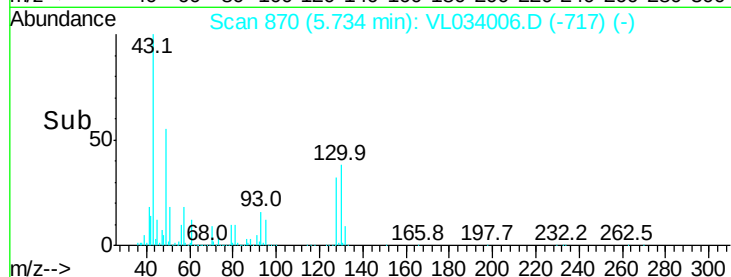
Ion	Ratio	Lower	Upper
49	100		
128	57.6	27.9	83.6
130	73.4	35.8	107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.694 ppbv

RT: 3.06 min Scan# 39

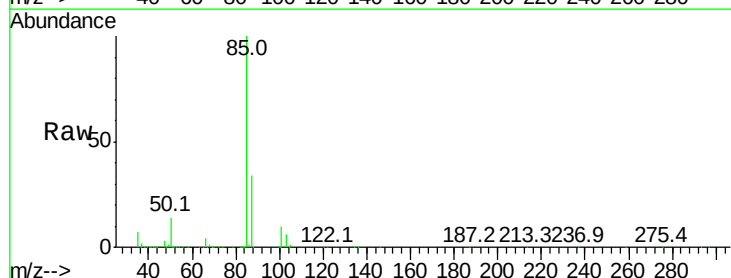
Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

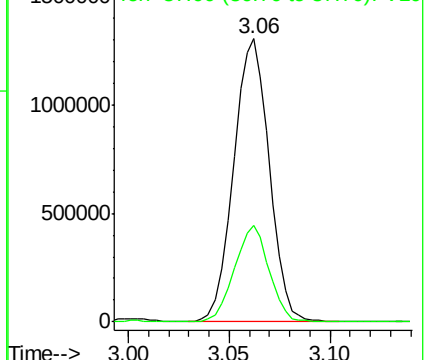
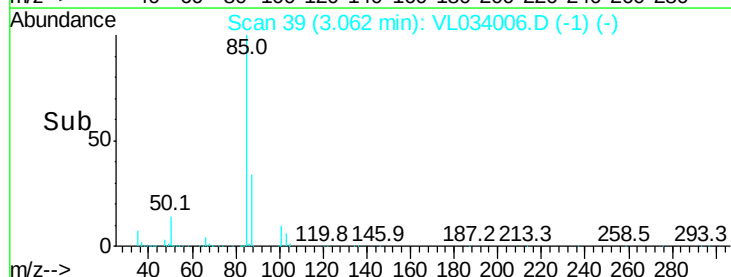
Tgt Ion: 85 Resp: 1605193

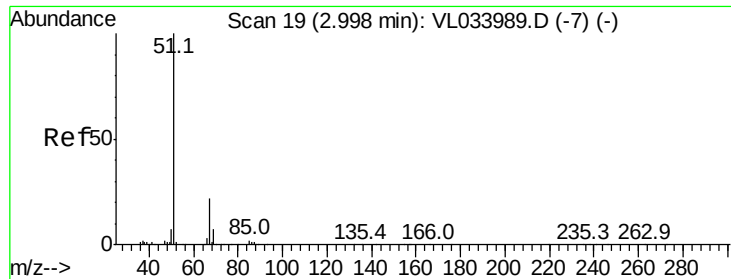
Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.0	39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

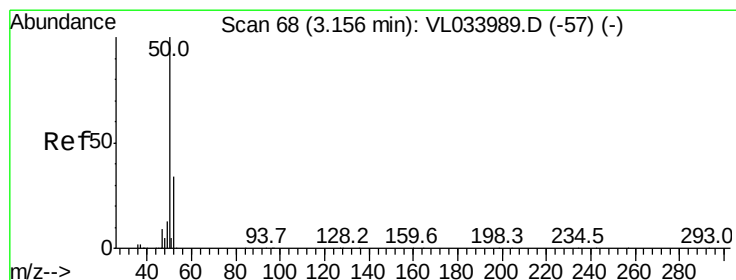
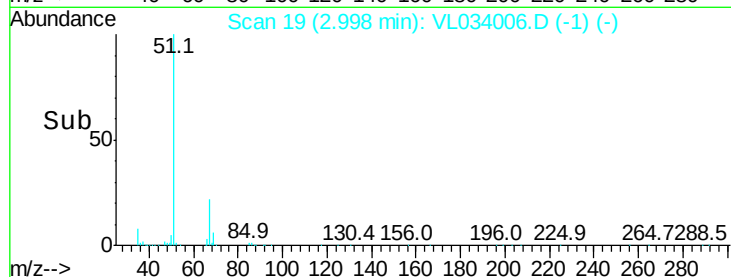
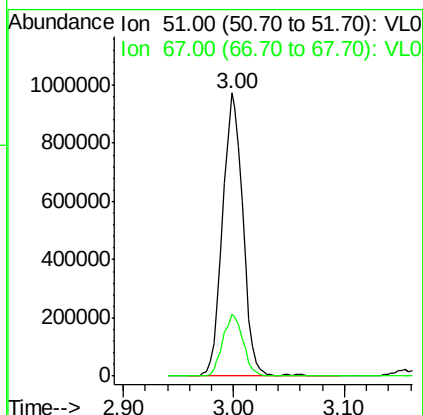
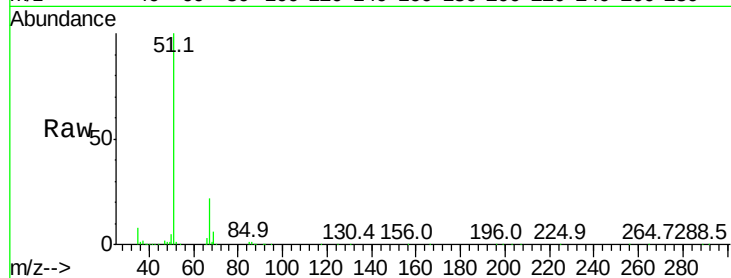




#3
Chlorodifluoromethane
Concen: 9.926 ppbv
RT: 3.00 min Scan# 19
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

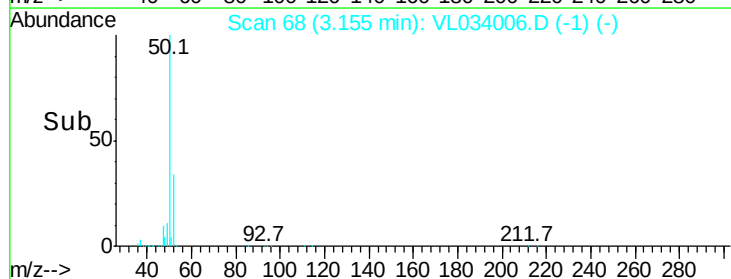
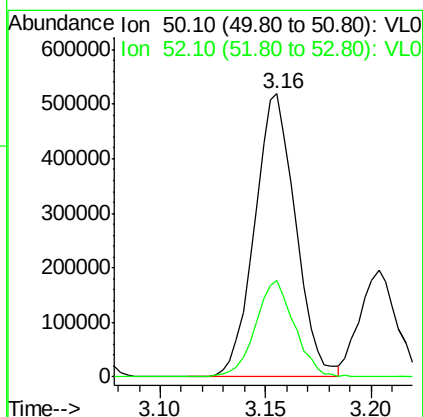
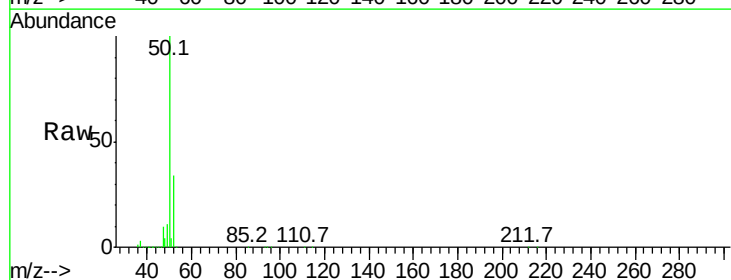
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

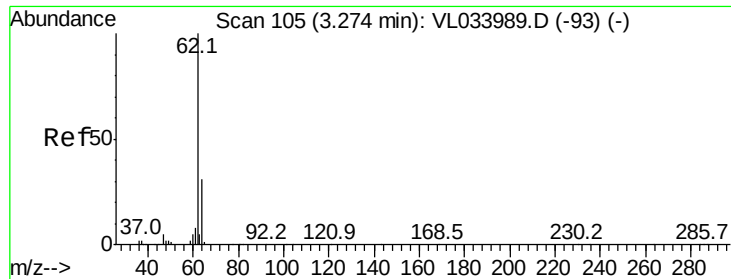
Tgt Ion: 51 Resp: 1239192
Ion Ratio Lower Upper
51 100
67 22.1 17.3 25.9



#4
Chloromethane
Concen: 9.776 ppbv
RT: 3.16 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion: 50 Resp: 701753
Ion Ratio Lower Upper
50 100
52 34.3 27.4 41.0





#5

Vinyl Chloride

Concen: 9.497 ppbv

RT: 3.27 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

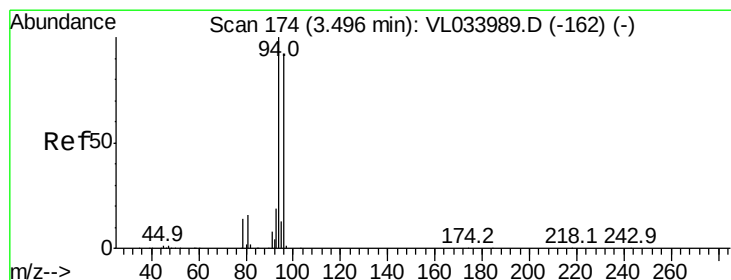
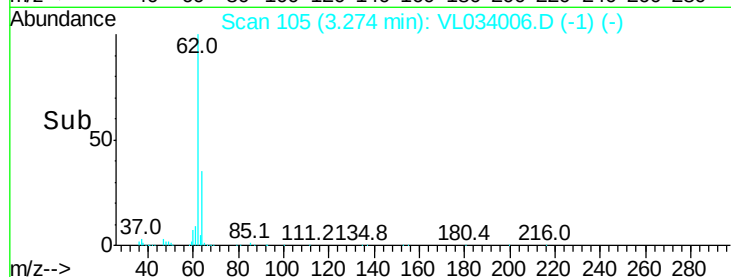
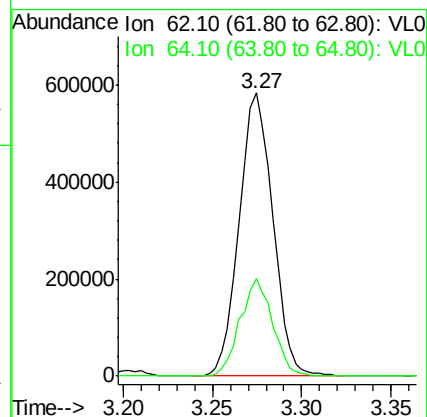
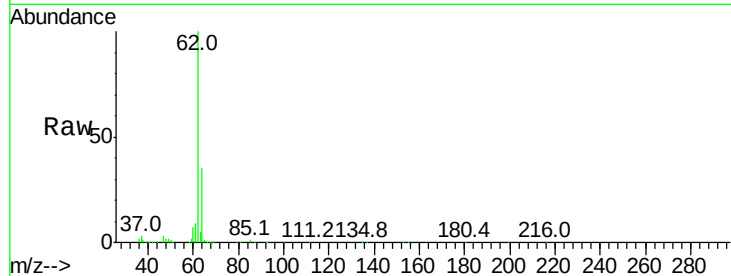
VSTDCCC010EC

Tgt Ion: 62 Resp: 766606

Ion Ratio Lower Upper

62 100

64 34.7 24.4 36.6



#6

Bromomethane

Concen: 10.306 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034006.D

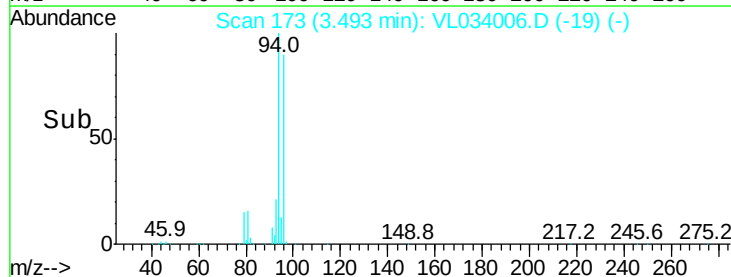
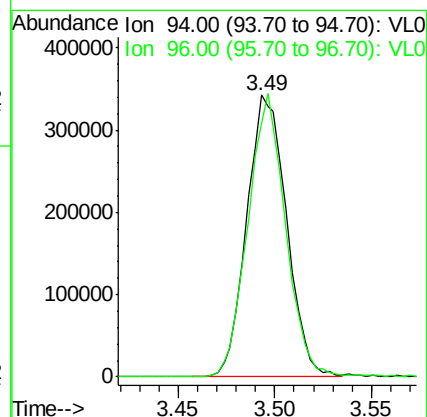
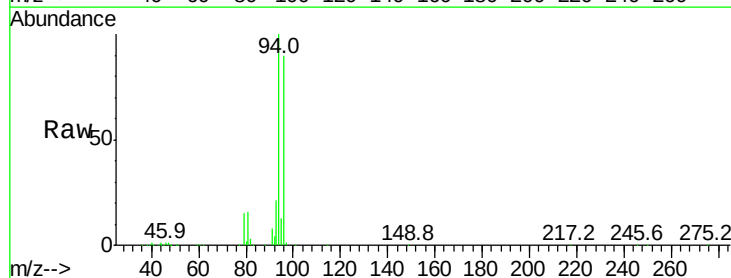
Acq: 3 Jul 2019 9:46

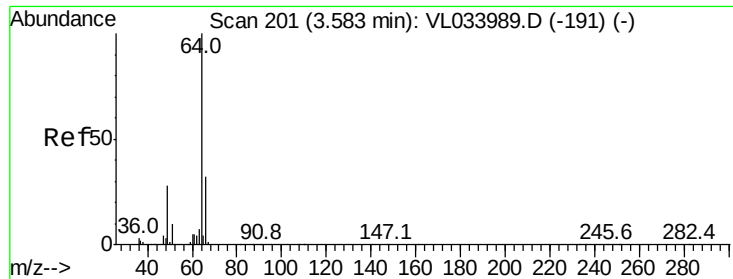
Tgt Ion: 94 Resp: 490584

Ion Ratio Lower Upper

94 100

96 90.0 73.8 110.8





#7

Chloroethane

Concen: 10.373 ppbv

RT: 3.58 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

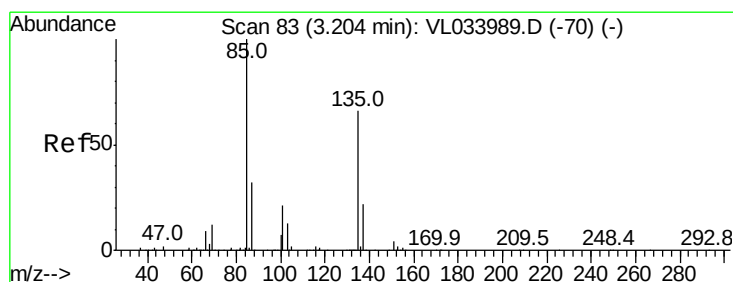
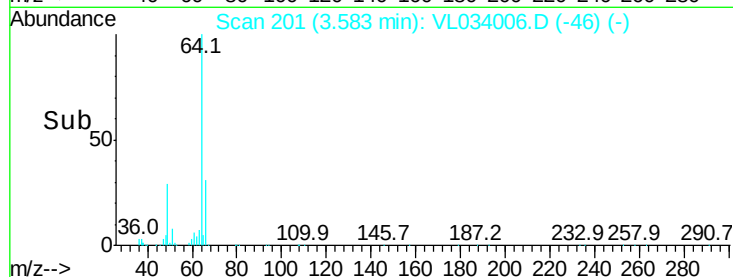
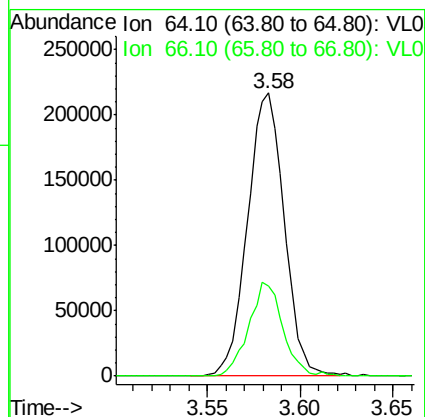
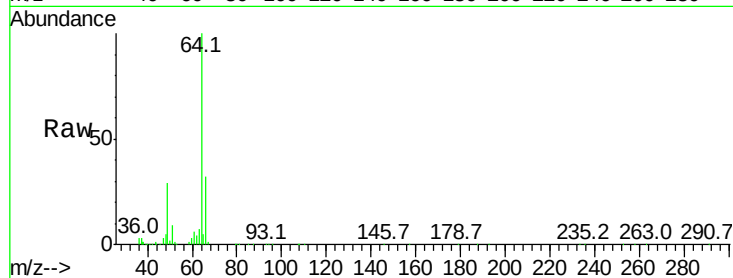
VSTDCCC010EC

Tgt Ion: 64 Resp: 299262

Ion Ratio Lower Upper

64 100

66 31.7 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.934 ppbv

RT: 3.20 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL034006.D

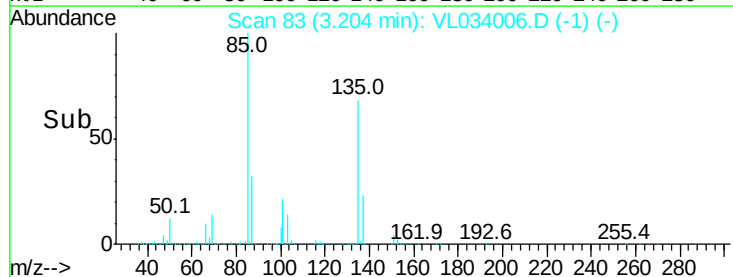
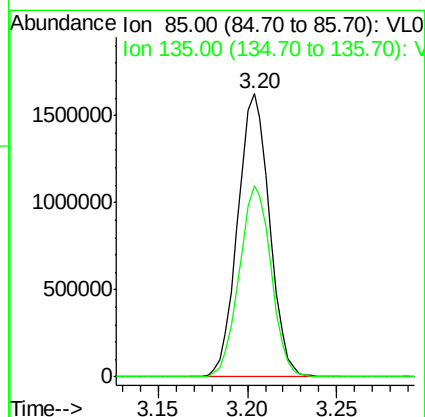
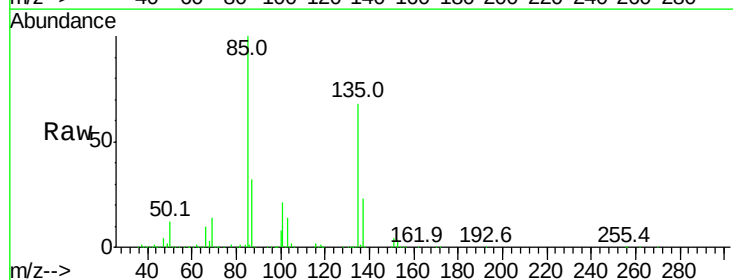
Acq: 3 Jul 2019 9:46

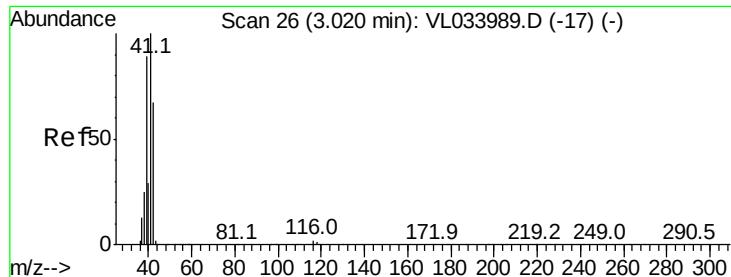
Tgt Ion: 85 Resp: 2020691

Ion Ratio Lower Upper

85 100

135 67.8 55.0 82.4





#9

Propene

Concen: 9.827 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

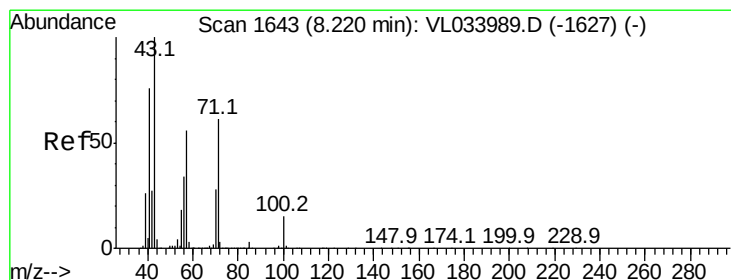
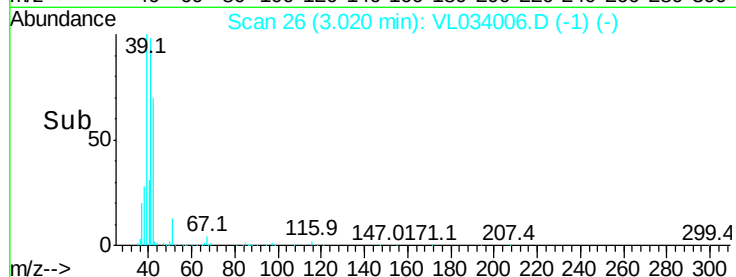
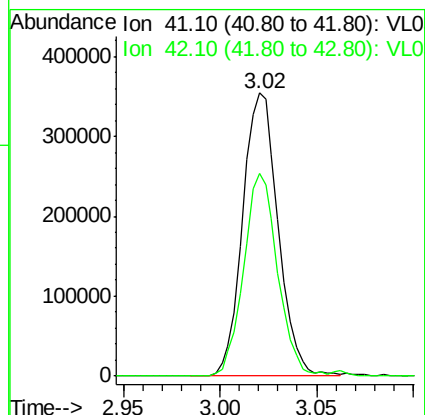
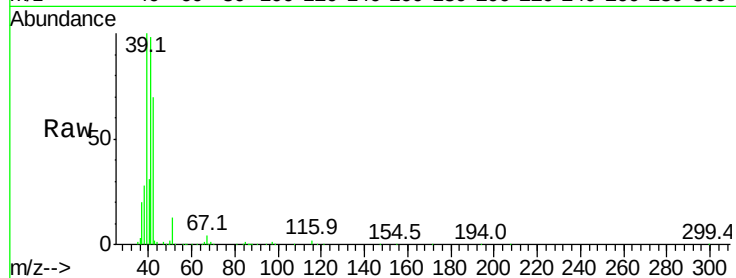
VSTDCCC010EC

Tgt Ion: 41 Resp: 451294

Ion Ratio Lower Upper

41 100

42 69.9 57.1 85.7



#10

Heptane

Concen: 10.928 ppbv

RT: 8.22 min Scan# 1642

Delta R.T. -0.00 min

Lab File: VL034006.D

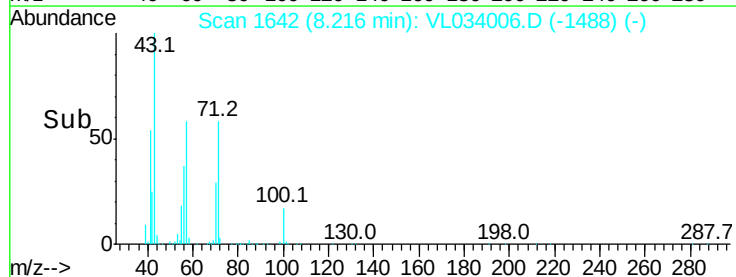
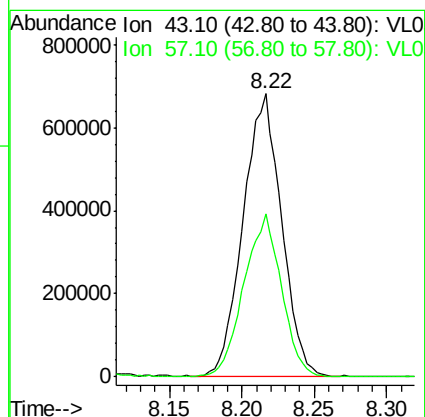
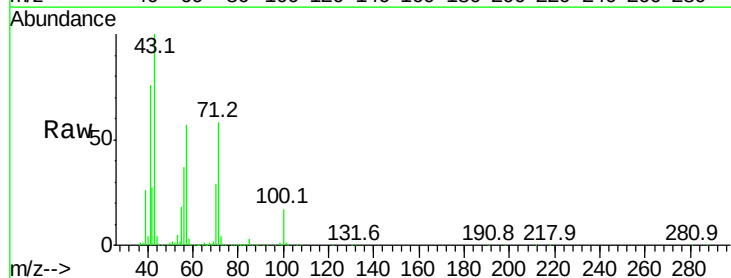
Acq: 3 Jul 2019 9:46

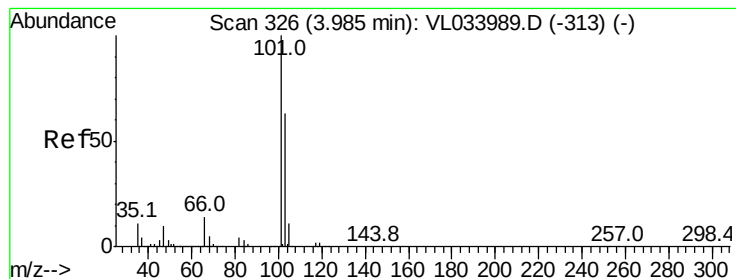
Tgt Ion: 43 Resp: 1256557

Ion Ratio Lower Upper

43 100

57 56.5 44.6 66.8





#11

Trichlorofluoromethane

Concen: 9.318 ppbv

RT: 3.98 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

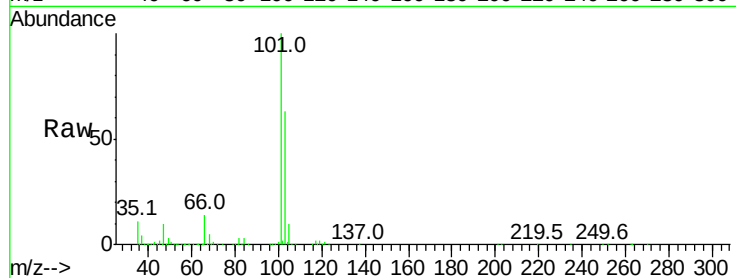
VSTDCCC010EC

Tgt Ion:101 Resp: 2185956

Ion Ratio Lower Upper

101 100

103 63.2 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1500000

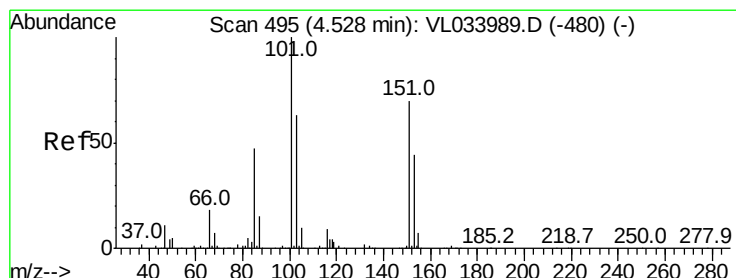
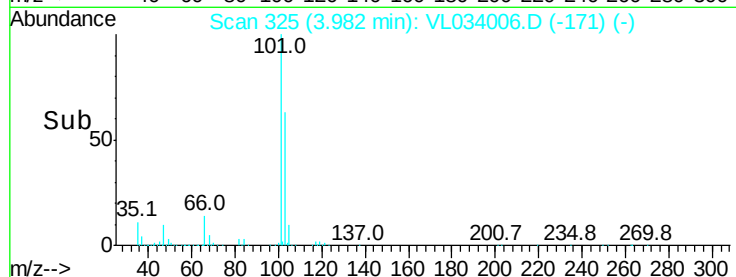
1000000

500000

0

3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.687 ppbv

RT: 4.53 min Scan# 495

Delta R.T. -0.00 min

Lab File: VL034006.D

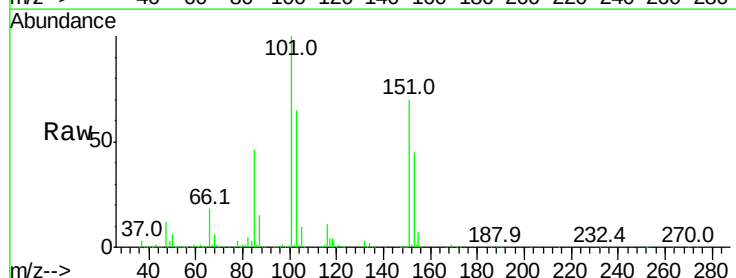
Acq: 3 Jul 2019 9:46

Tgt Ion:101 Resp: 1608505

Ion Ratio Lower Upper

101 100

151 72.2 59.0 88.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

1000000

800000

600000

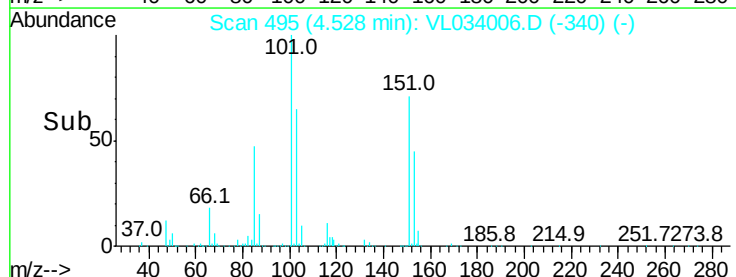
400000

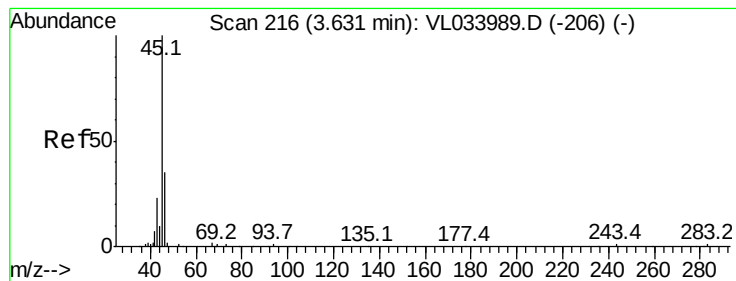
200000

0

4.45 4.50 4.55 4.60

Time-->





#13

Ethanol

Concen: 5.543 ppbv

RT: 3.63 min Scan# 216

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

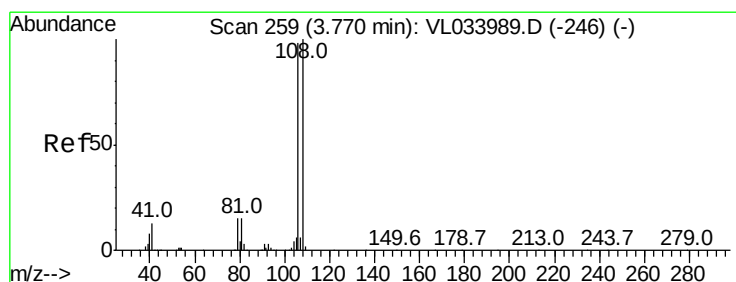
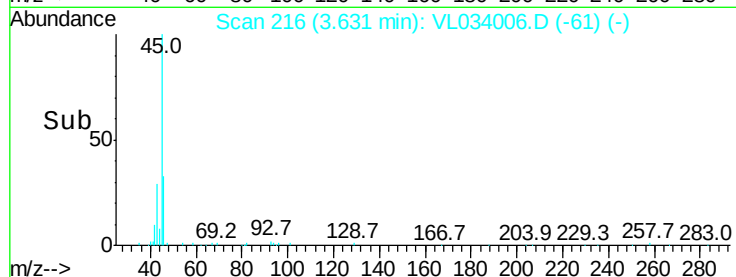
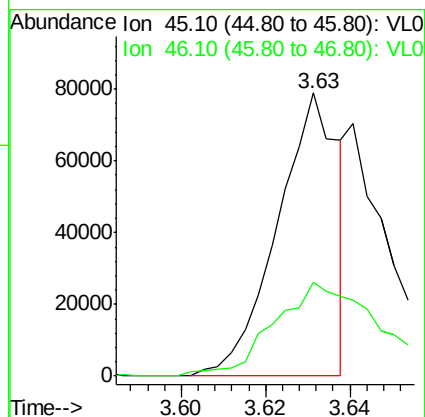
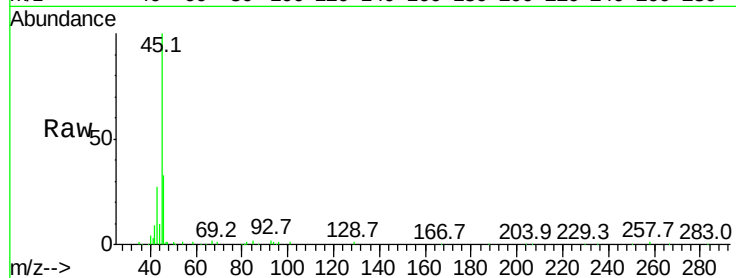
VSTDCCC010EC

Tgt Ion: 45 Resp: 79075

Ion Ratio Lower Upper

45 100

46 63.4 16.2 64.6



#14

Bromoethene

Concen: 11.082 ppbv

RT: 3.77 min Scan# 258

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

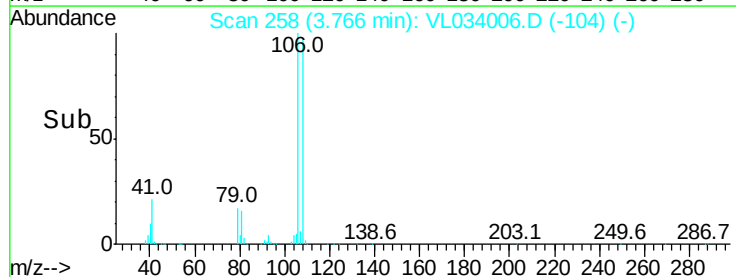
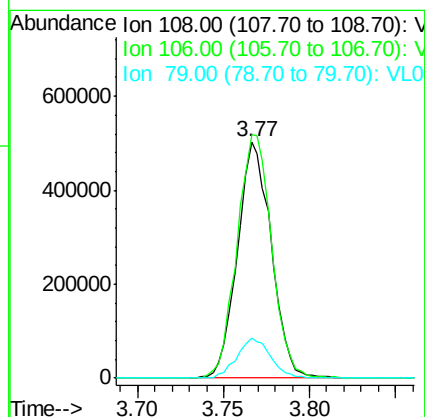
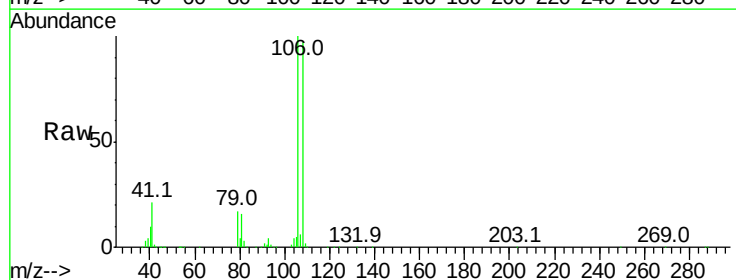
Tgt Ion: 108 Resp: 687194

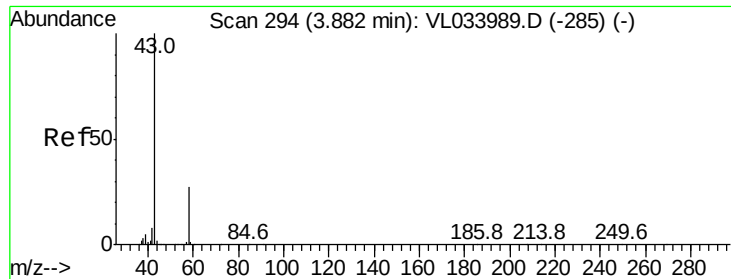
Ion Ratio Lower Upper

108 100

106 106.0 85.6 128.4

79 17.2 14.0 21.0





#15

Acetone

Concen: 8.456 ppbv

RT: 3.88 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

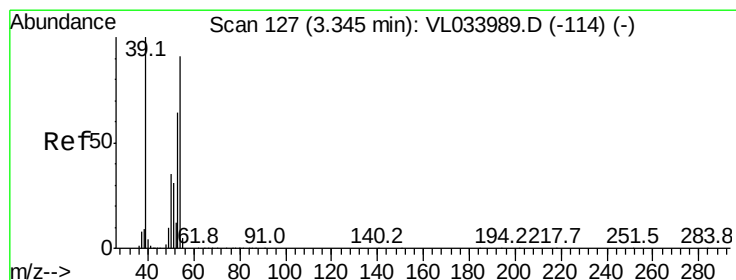
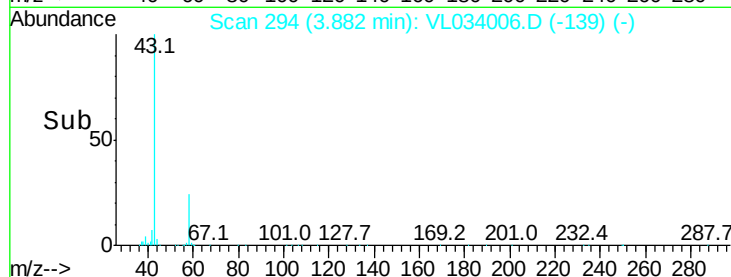
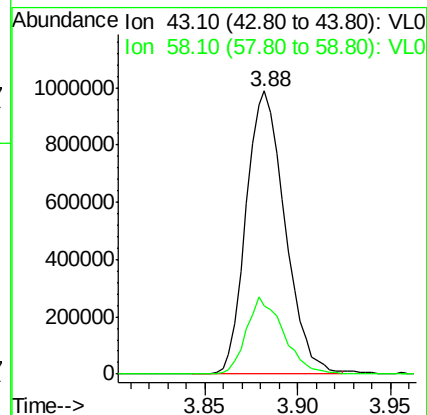
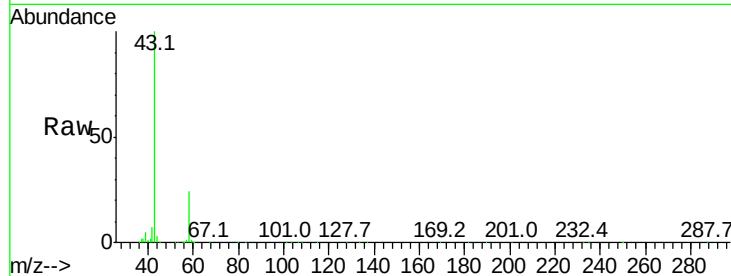
VSTDCCC010EC

Tgt Ion: 43 Resp: 1437366

Ion Ratio Lower Upper

43 100

58 26.2 21.4 32.0



#16

1,3-Butadiene

Concen: 10.912 ppbv

RT: 3.35 min Scan# 127

Delta R.T. -0.00 min

Lab File: VL034006.D

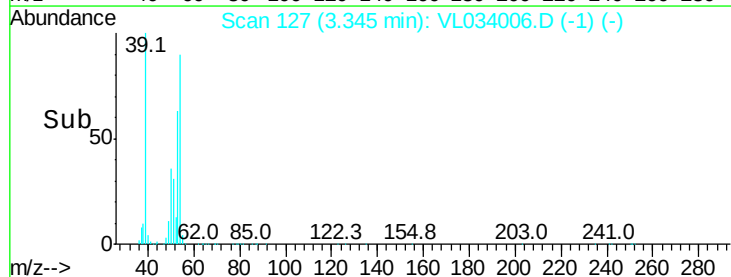
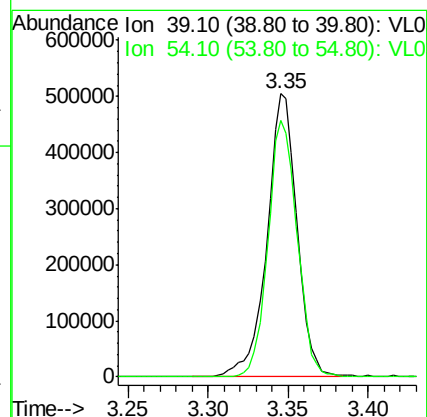
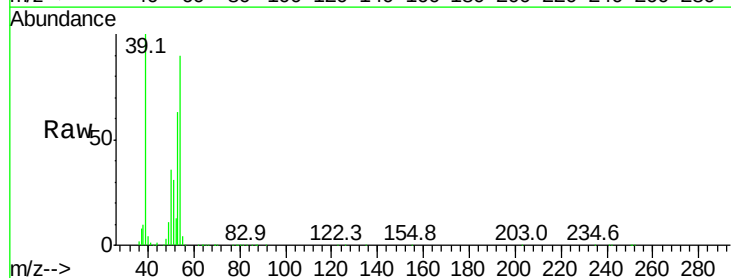
Acq: 3 Jul 2019 9:46

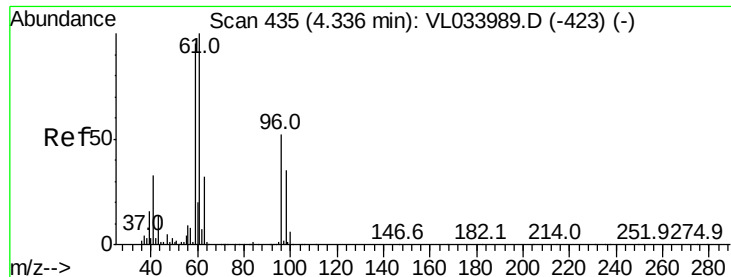
Tgt Ion: 39 Resp: 654935

Ion Ratio Lower Upper

39 100

54 88.3 71.4 107.2





#17

tert-Butyl alcohol

Concen: 10.810 ppbv

RT: 4.34 min Scan# 435

Delta R.T. -0.00 min

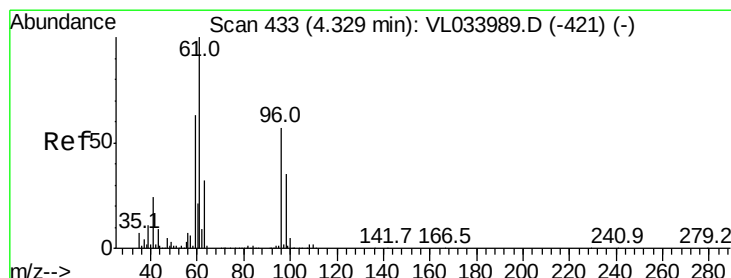
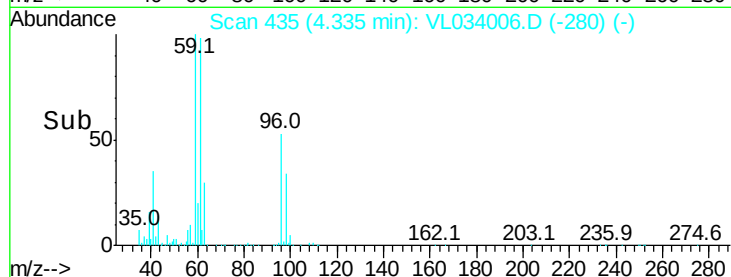
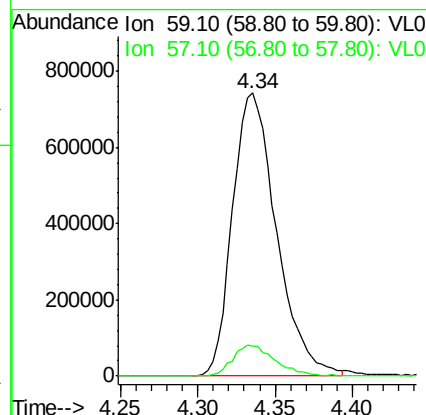
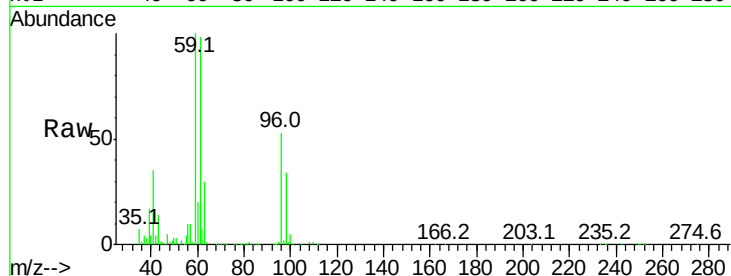
Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1464911

Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2



#18

1,1-Dichloroethene

Concen: 9.852 ppbv

RT: 4.33 min Scan# 433

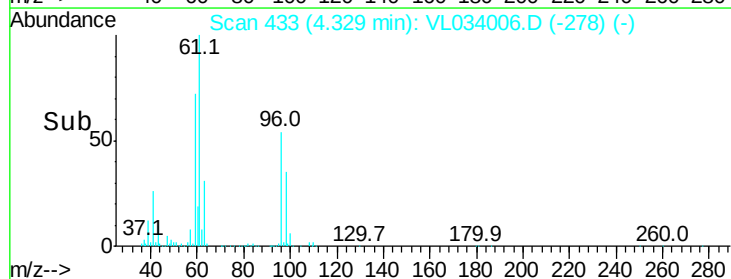
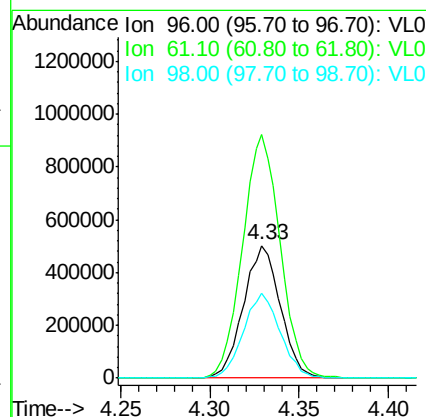
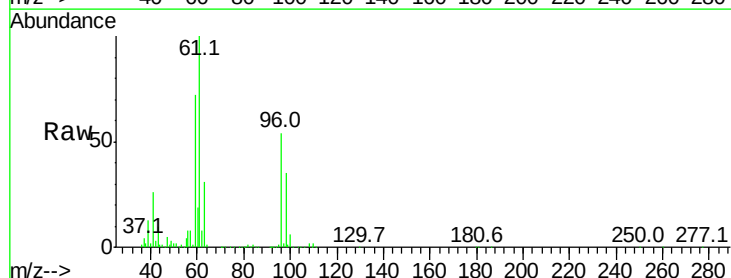
Delta R.T. -0.00 min

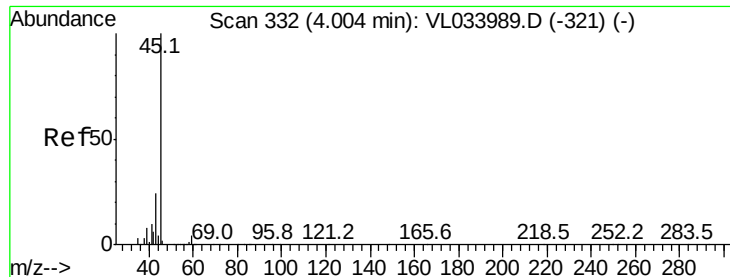
Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion: 96 Resp: 728621

Ion	Ratio	Lower	Upper
96	100		
61	184.1	139.4	209.0
98	63.8	49.4	74.0





#19

Isopropyl Alcohol

Concen: 10.032 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

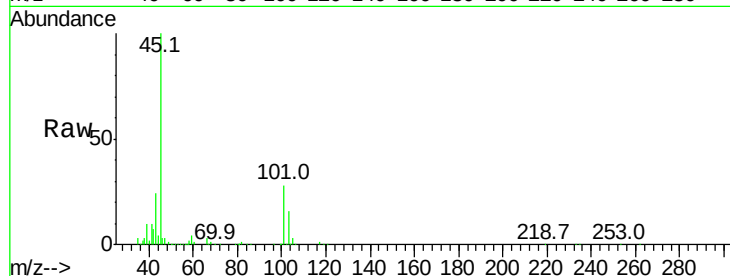
VSTDCCC010EC

Tgt Ion: 45 Resp: 1144559

Ion Ratio Lower Upper

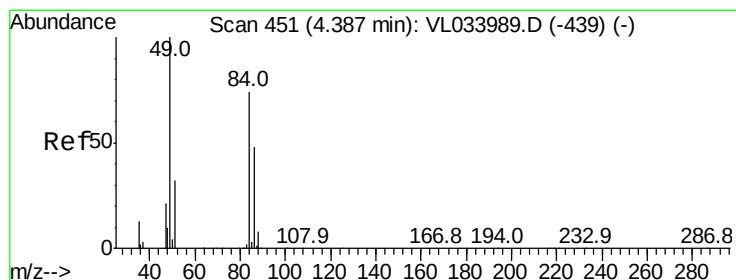
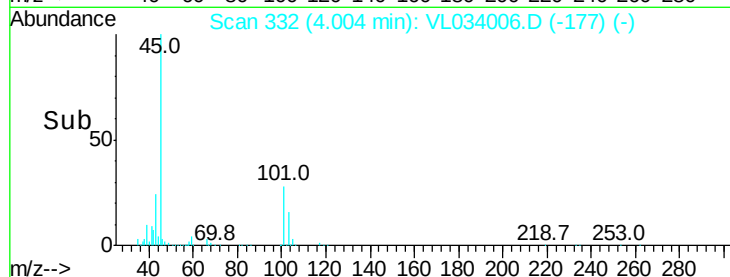
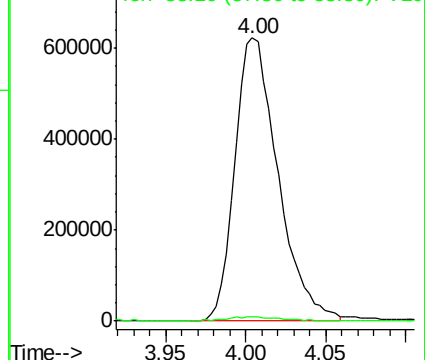
45 100

58 2.3 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.737 ppbv

RT: 4.39 min Scan# 451

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion: 84 Resp: 647693

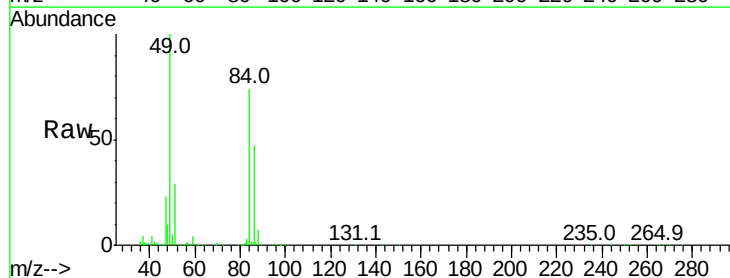
Ion Ratio Lower Upper

84 100

49 134.8 107.6 161.4

51 37.8 35.0 52.6

86 63.9 52.1 78.1

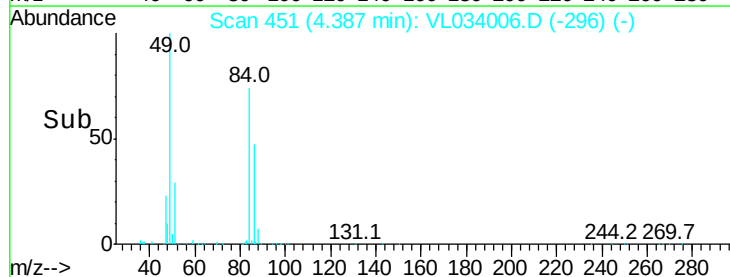
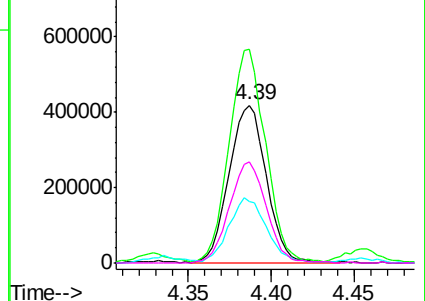


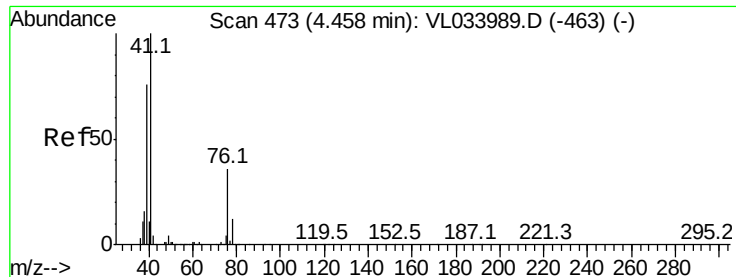
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 10.122 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

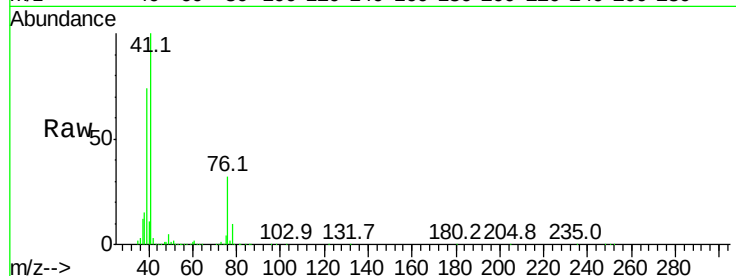
Tgt Ion: 41 Resp: 1072714

Ion Ratio Lower Upper

41 100

76 33.8 26.8 40.2

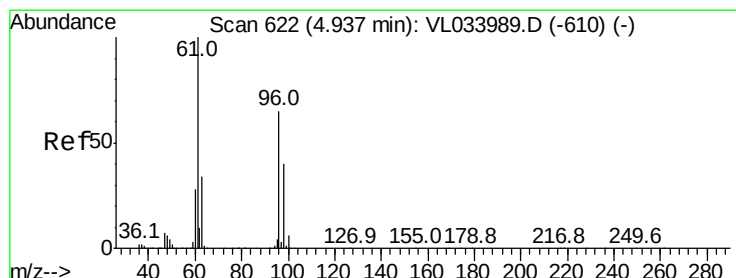
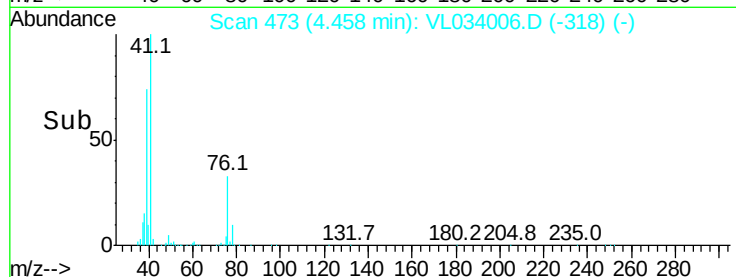
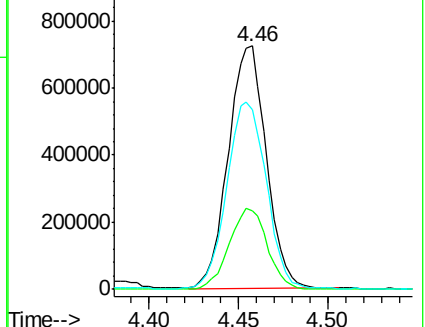
39 80.8 63.1 94.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.641 ppbv

RT: 4.94 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

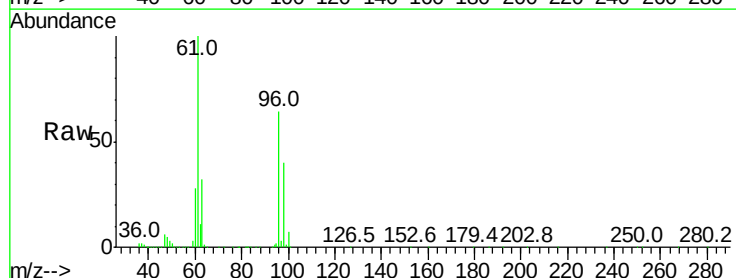
Tgt Ion: 96 Resp: 749853

Ion Ratio Lower Upper

96 100

61 156.2 122.9 184.3

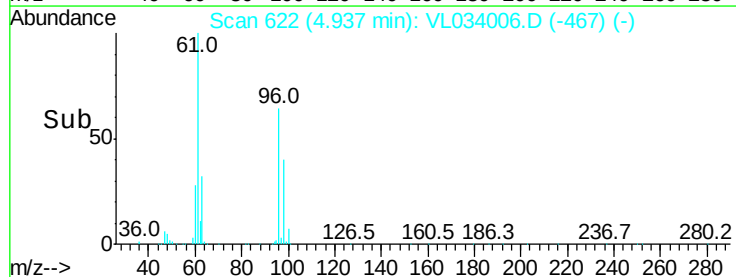
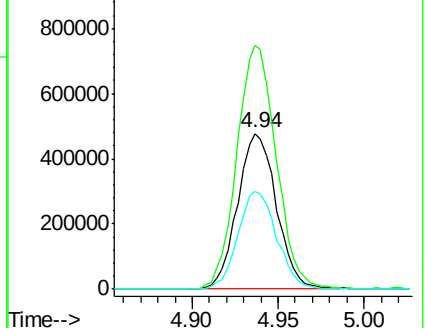
98 62.6 49.6 74.4

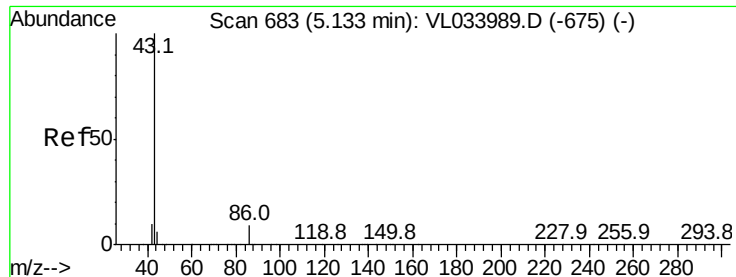


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.796 ppbv

RT: 5.13 min Scan# 682

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1831603

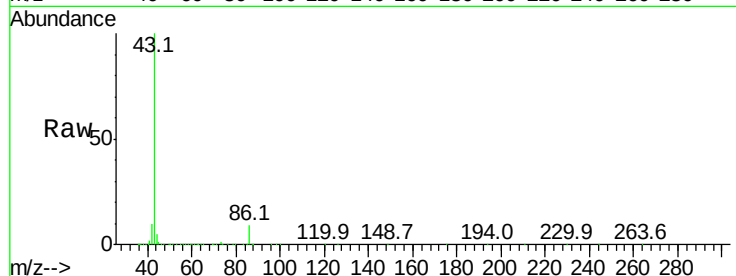
Ion Ratio Lower Upper

43 100

86 8.7 6.6 9.8

42 10.3 8.3 12.5

44 5.2 4.3 6.5

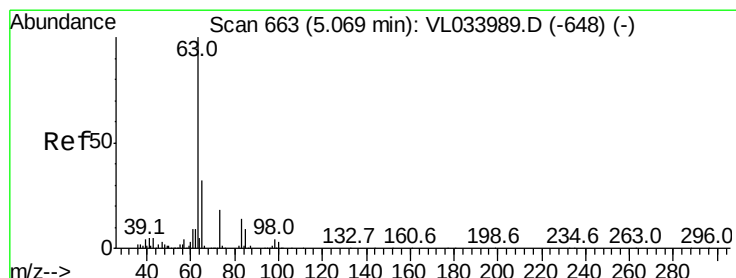
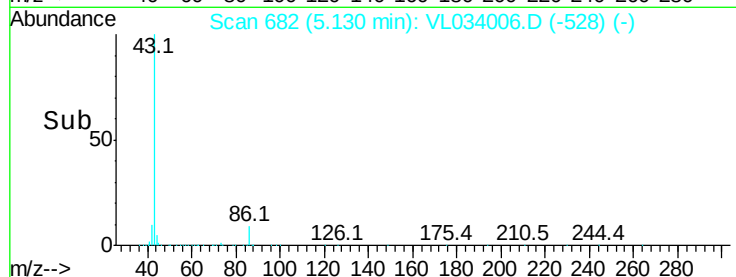
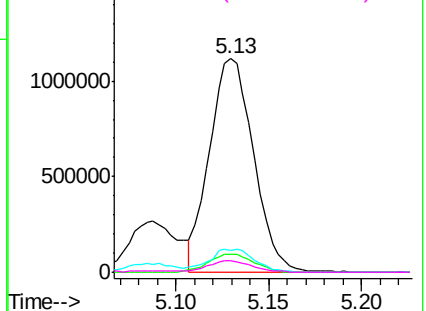


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.018 ppbv

RT: 5.07 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

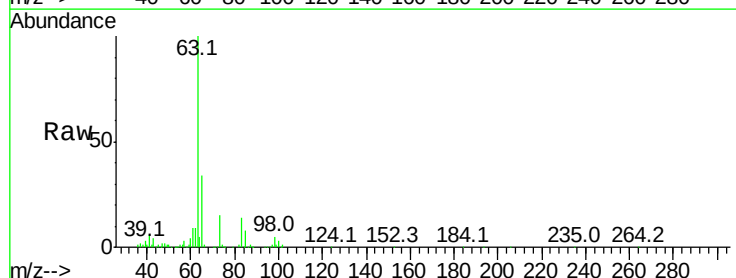
Tgt Ion: 63 Resp: 1506285

Ion Ratio Lower Upper

63 100

98 5.2 2.2 6.6

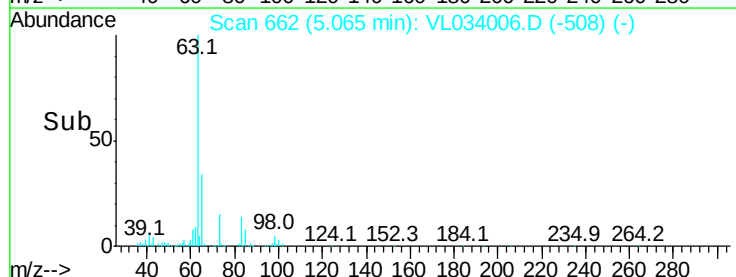
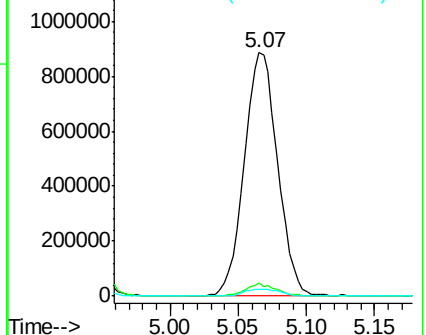
100 2.7 1.4 4.2

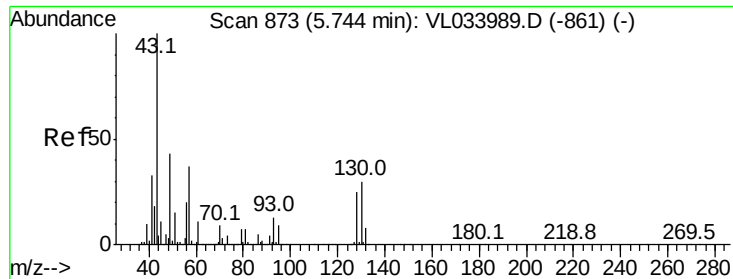


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



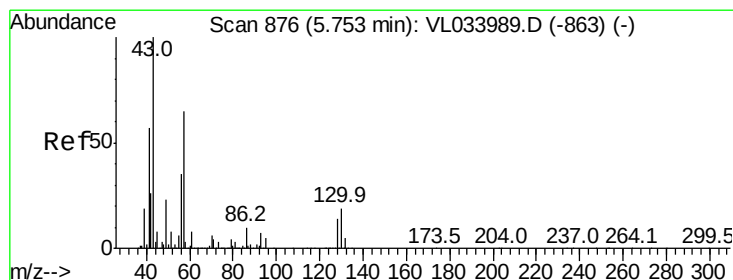
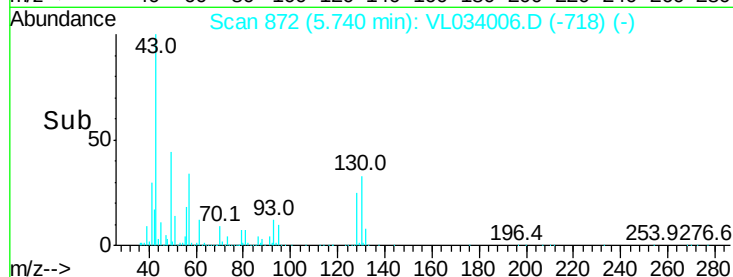
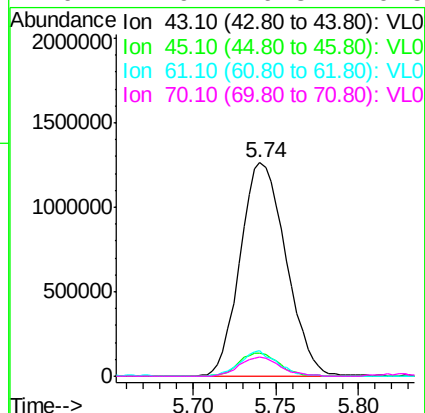
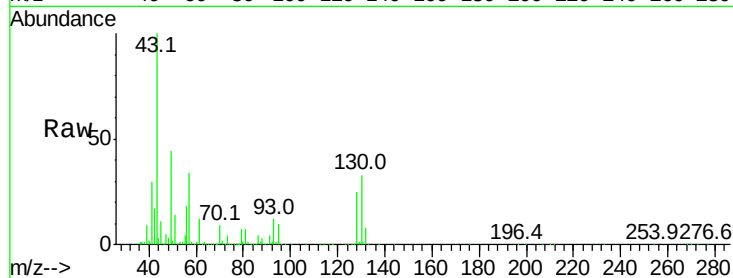


#25
Ethyl Acetate
Concen: 10.444 ppbv
RT: 5.74 min Scan# 872
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2427884

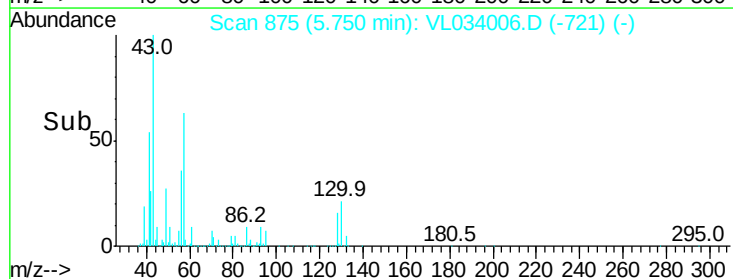
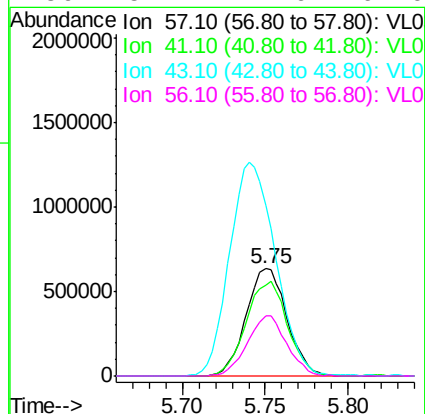
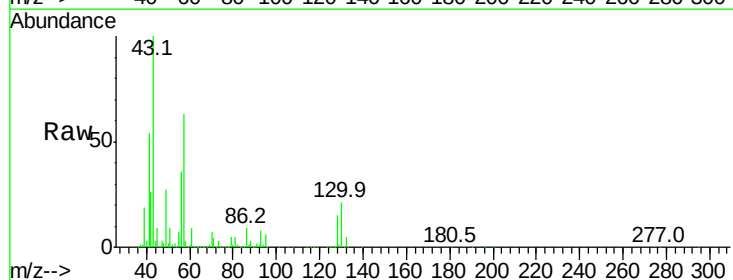
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	10.1	8.1	12.1
70	7.9	6.3	9.5

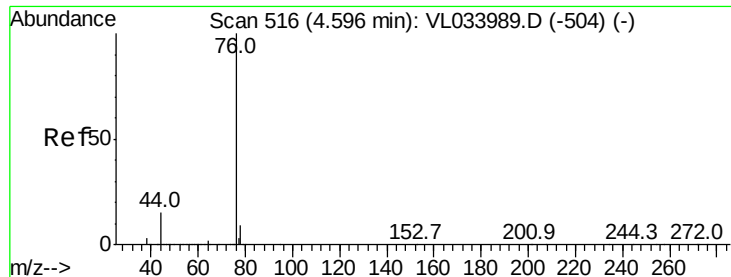


#26
Hexane
Concen: 10.223 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion: 57 Resp: 1087578

Ion	Ratio	Lower	Upper
57	100		
41	89.9	70.6	105.8
43	224.5	177.6	266.4
56	54.2	42.6	64.0





#27

Carbon Disulfide

Concen: 10.741 ppbv

RT: 4.60 min Scan# 516

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

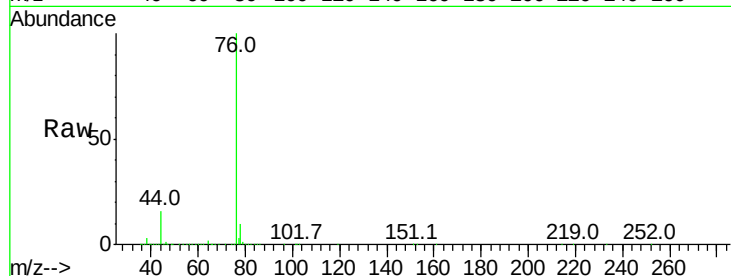
Tgt Ion: 76 Resp: 1942526

Ion Ratio Lower Upper

76 100

44 16.5 12.6 18.8

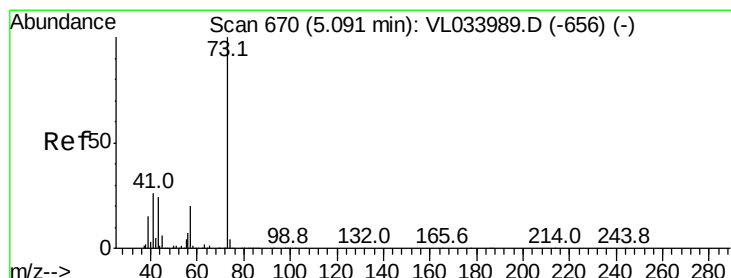
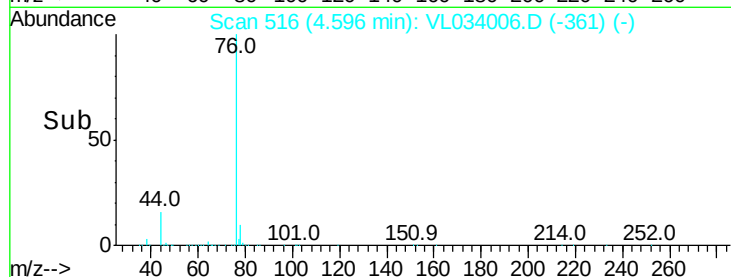
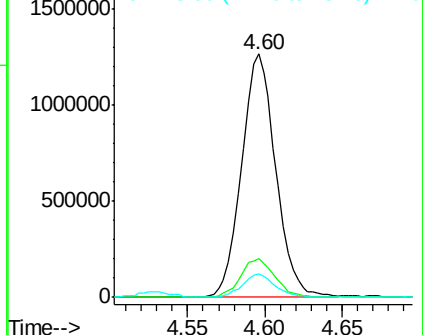
78 9.3 7.2 10.8



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: 10.809 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.01 min

Lab File: VL034006.D

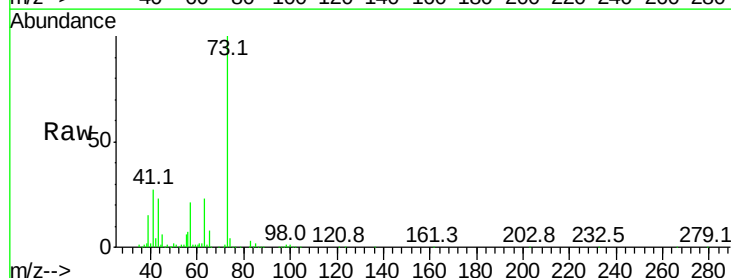
Acq: 3 Jul 2019 9:46

Tgt Ion: 73 Resp: 1947479

Ion Ratio Lower Upper

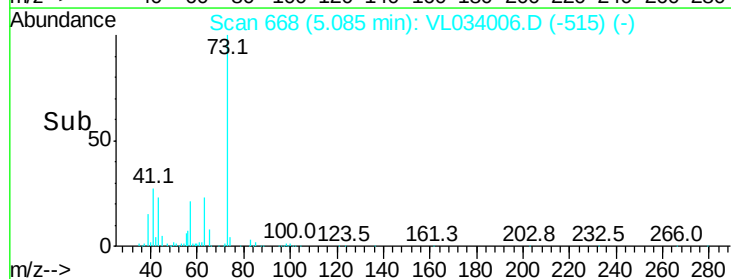
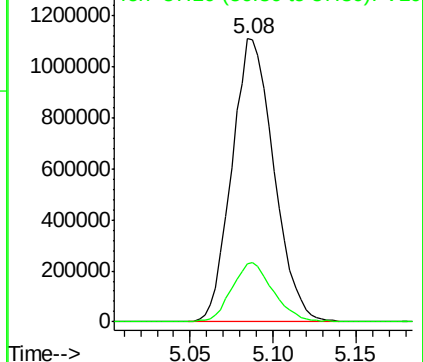
73 100

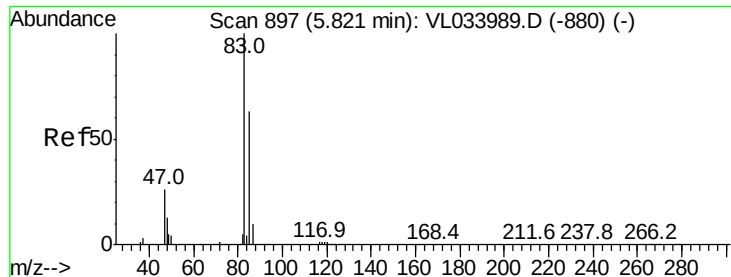
57 20.8 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

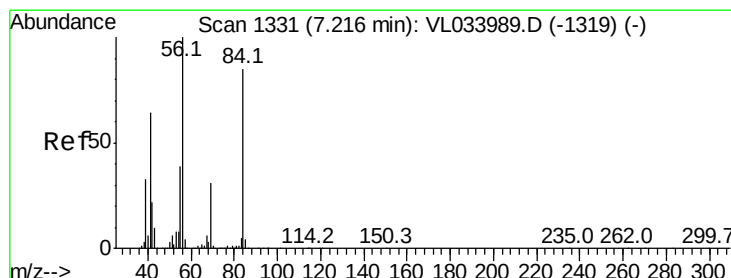
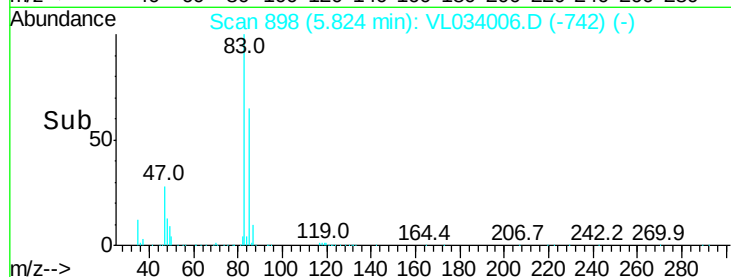
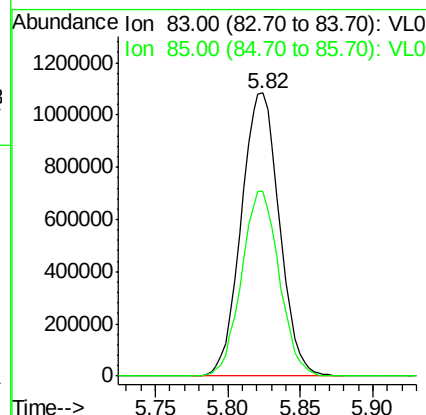
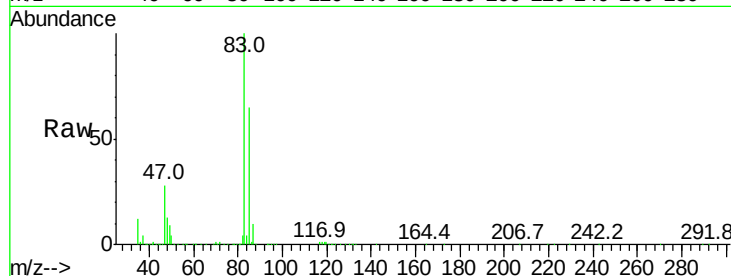




#29
Chloroform
Concen: 9.933 ppbv
RT: 5.82 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

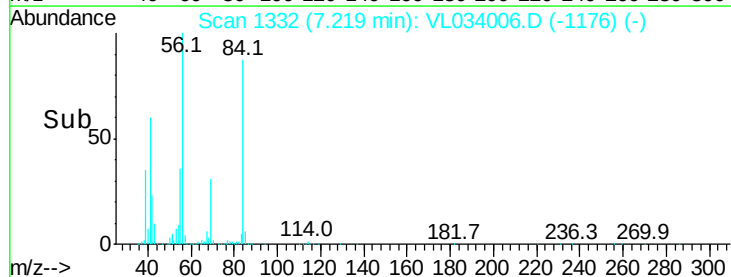
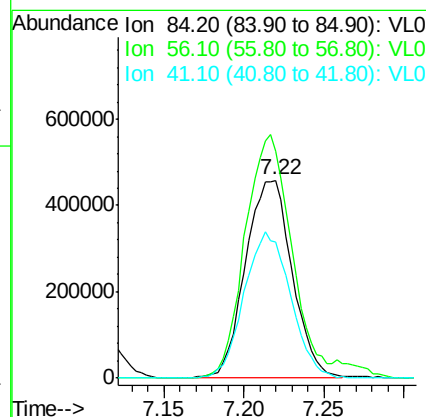
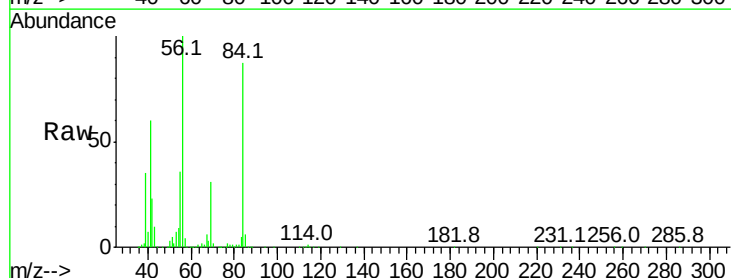
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

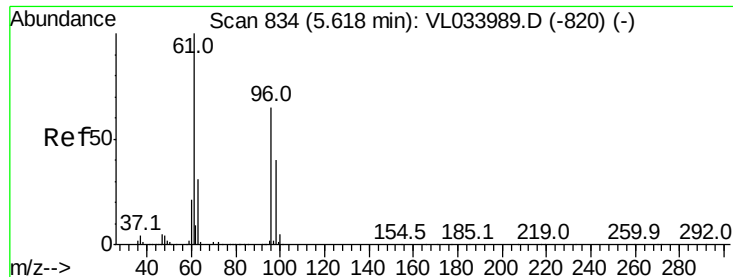
Tgt Ion: 83 Resp: 1985984
Ion Ratio Lower Upper
83 100
85 65.4 50.6 75.8



#30
Cyclohexane
Concen: 11.131 ppbv
RT: 7.22 min Scan# 1332
Delta R.T. 0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion: 84 Resp: 914490
Ion Ratio Lower Upper
84 100
56 127.6 103.7 155.5
41 73.8 62.6 94.0



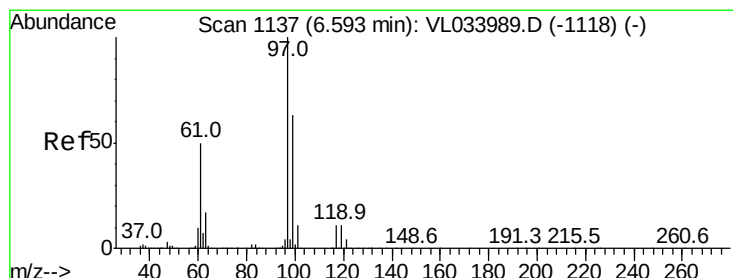
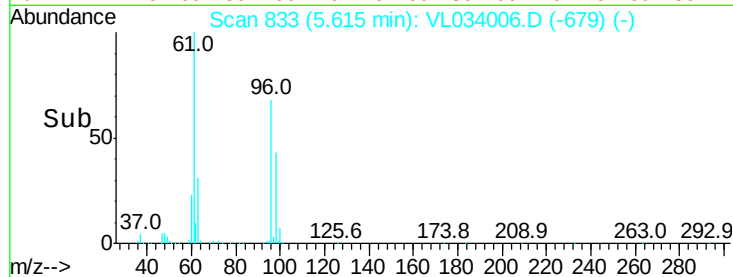
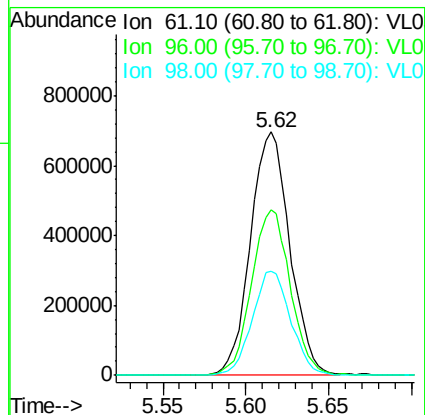
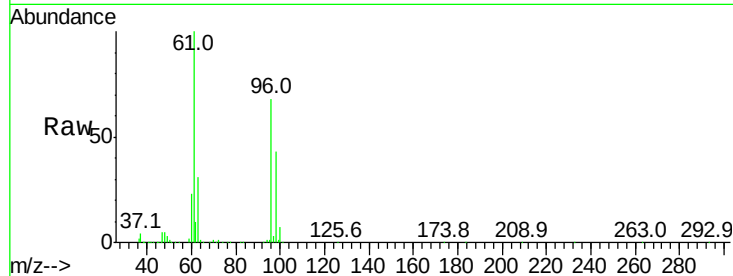


#31

cis-1,2-Dichloroethene
Concen: 11.188 ppbv
RT: 5.62 min Scan# 833
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

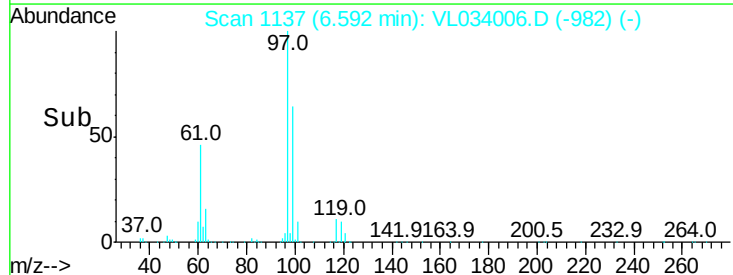
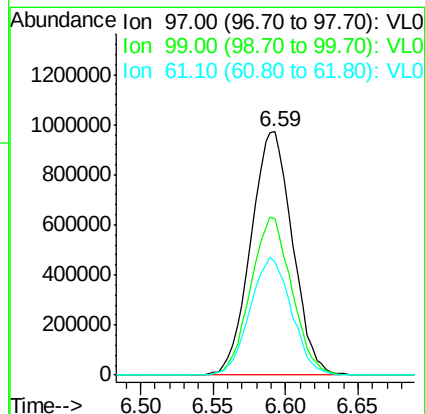
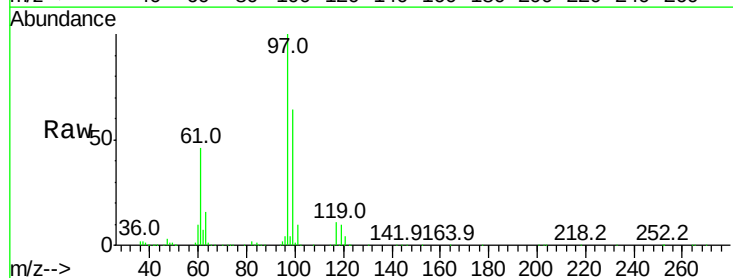
Tgt Ion: 61 Resp: 1149926
Ion Ratio Lower Upper
61 100
96 67.7 51.8 77.6
98 42.7 32.1 48.1

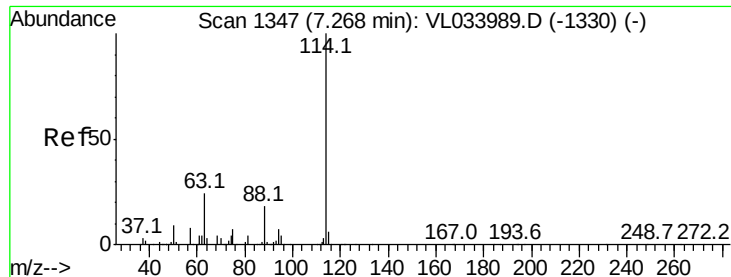


#32

1,1,1-Trichloroethane
Concen: 9.567 ppbv
RT: 6.59 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion: 97 Resp: 1938667
Ion Ratio Lower Upper
97 100
99 64.3 51.9 77.9
61 48.2 39.8 59.8

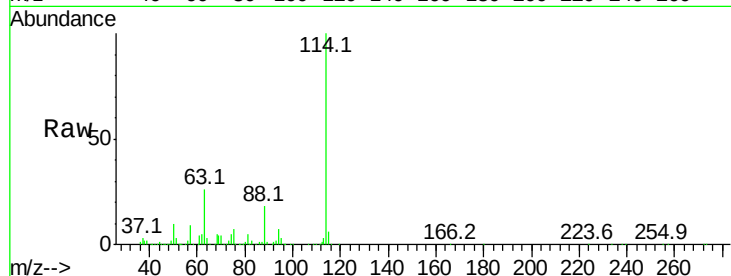




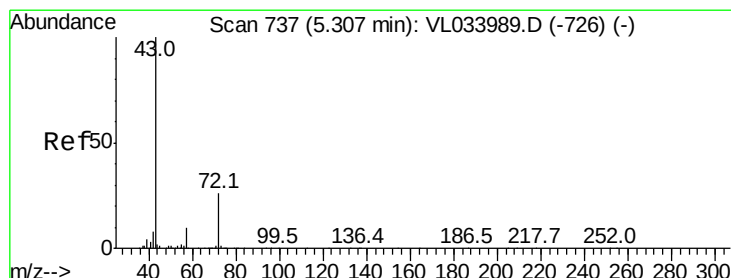
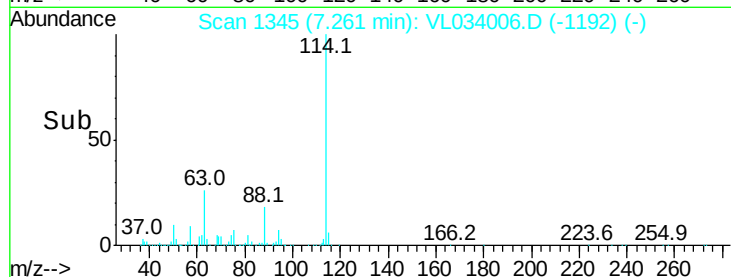
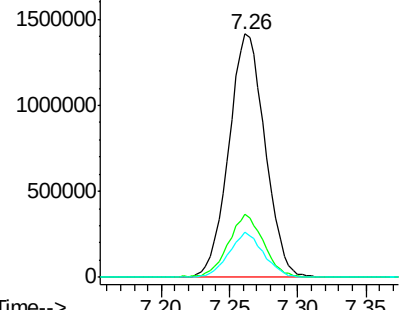
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1345
 Delta R.T. -0.01 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 2606158
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.2 30.2
 88 17.7 14.1 21.1

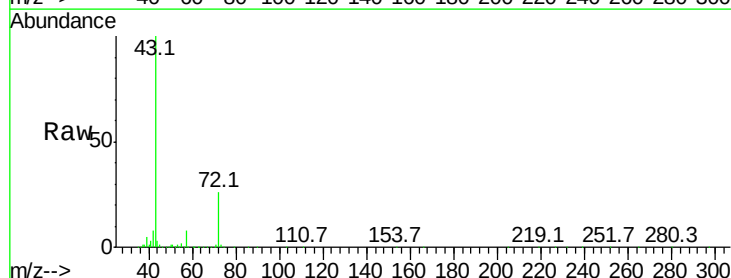


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

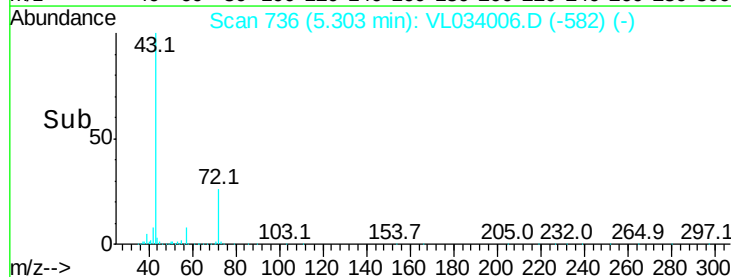
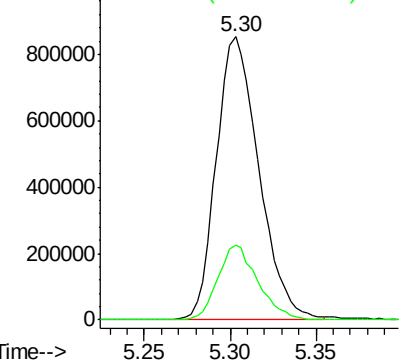


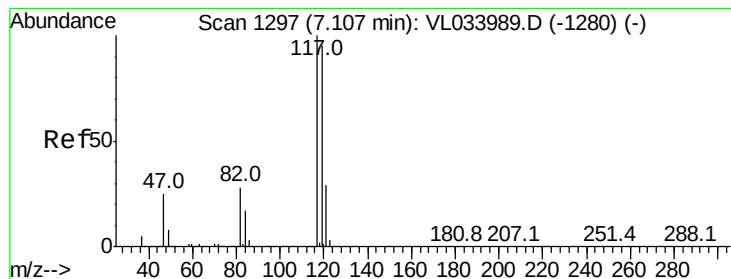
#34
 2-Butanone
 Concen: 10.598 ppbv
 RT: 5.30 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Tgt Ion: 43 Resp: 1461740
 Ion Ratio Lower Upper
 43 100
 72 24.8 19.9 29.9



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





#35

Carbon Tetrachloride

Concen: 10.000 ppbv

RT: 7.10 min Scan# 1295

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

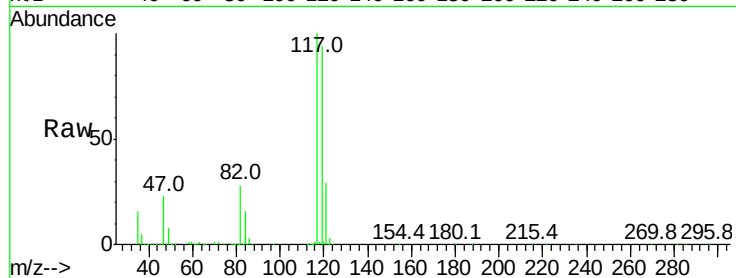
Tgt Ion:117 Resp: 2063225

Ion Ratio Lower Upper

117 100

119 93.8 75.8 113.6

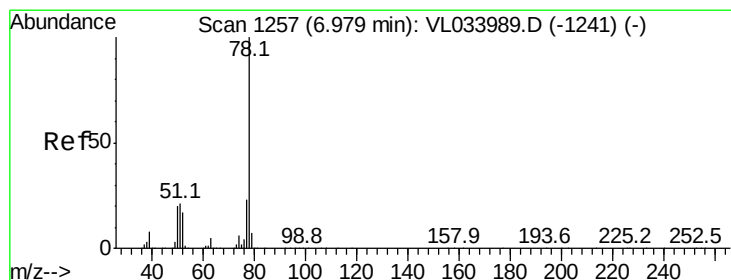
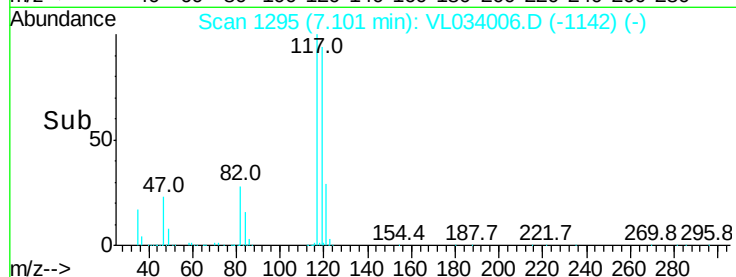
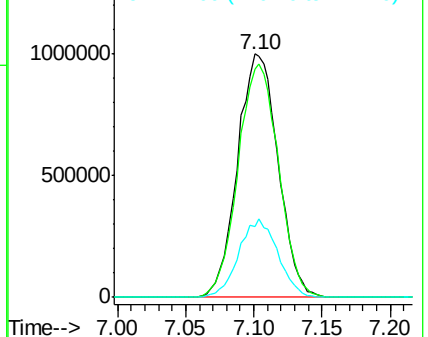
121 29.2 23.4 35.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.803 ppbv

RT: 6.98 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

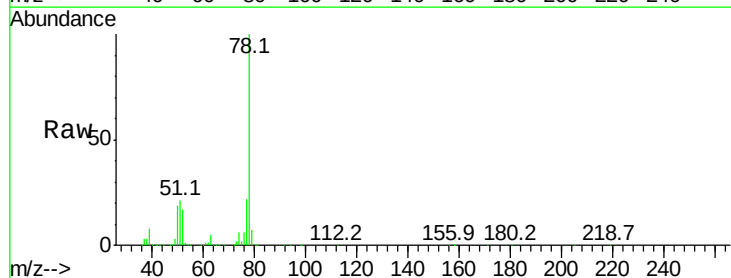
Tgt Ion: 78 Resp: 2202920

Ion Ratio Lower Upper

78 100

77 22.3 18.7 28.1

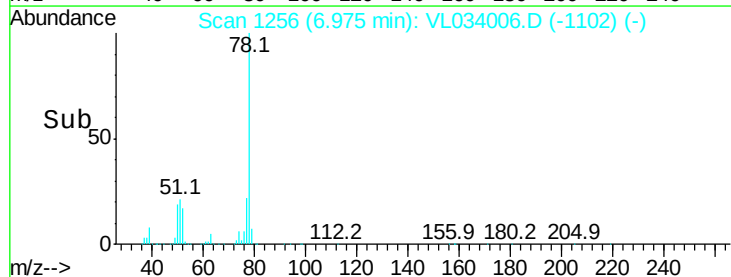
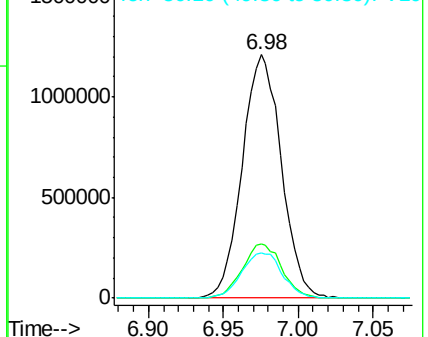
50 18.8 16.2 24.2

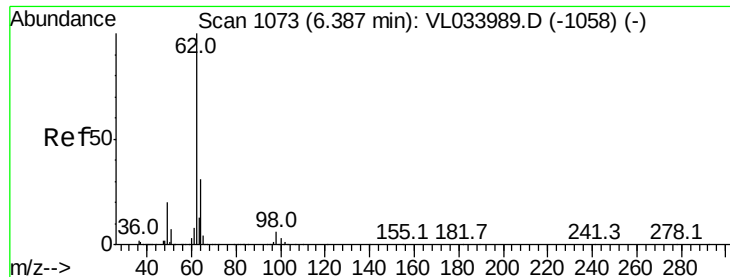


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

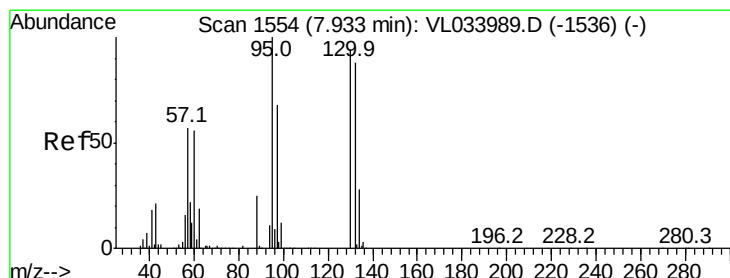
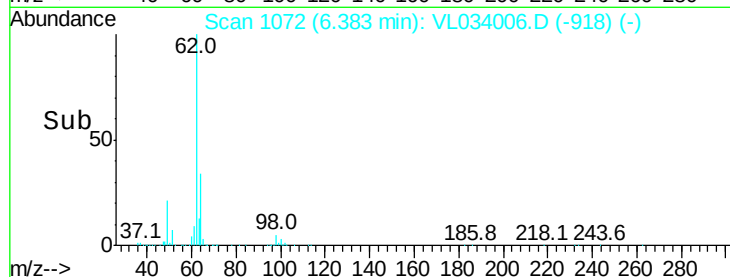
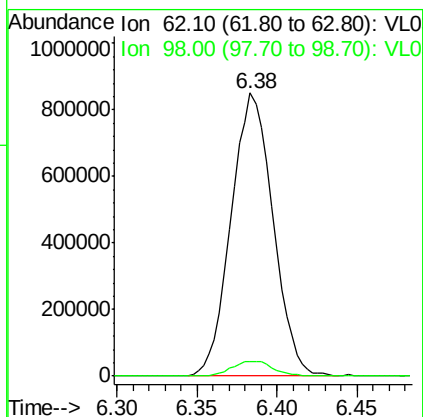
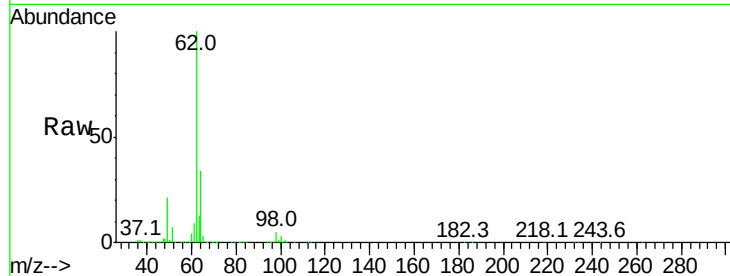




#37
 1,2-Dichloroethane
 Concen: 10.122 ppbv
 RT: 6.38 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

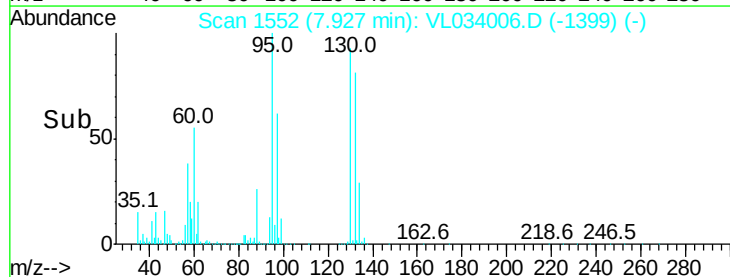
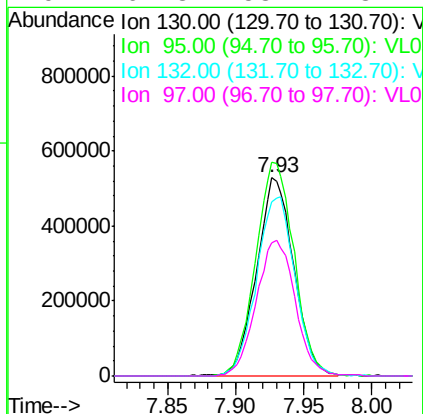
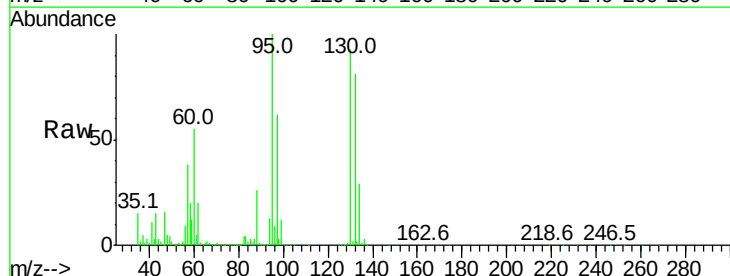
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

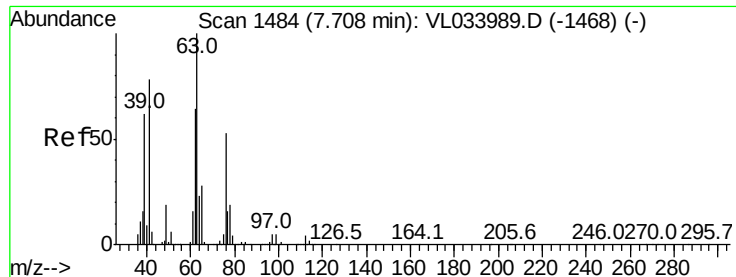
Tgt Ion: 62 Resp: 1520602
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.4 6.6



#38
 Trichloroethene
 Concen: 11.013 ppbv
 RT: 7.93 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Tgt Ion: 130 Resp: 999301
 Ion Ratio Lower Upper
 130 100
 95 107.8 85.5 128.3
 132 87.6 75.1 112.7
 97 67.3 58.1 87.1





#39

1,2-Dichloropropane

Concen: 10.629 ppbv

RT: 7.70 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

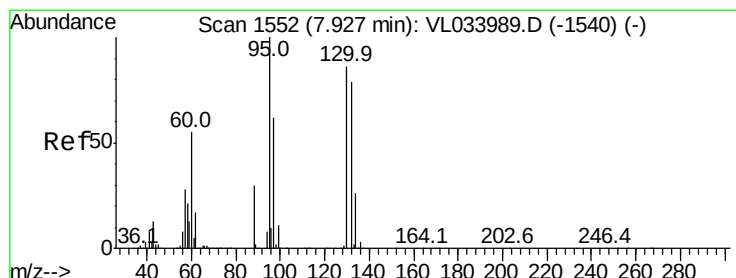
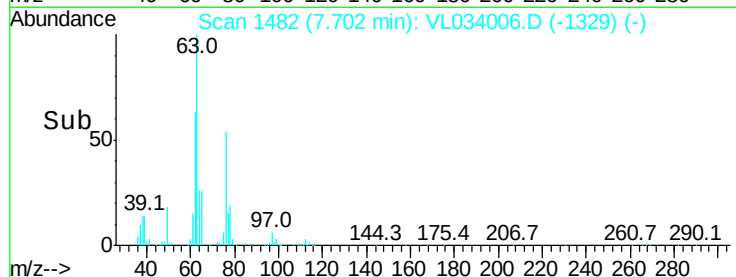
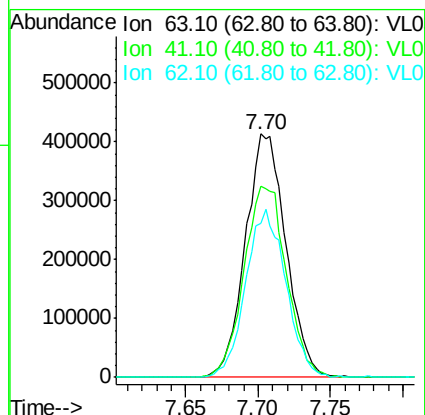
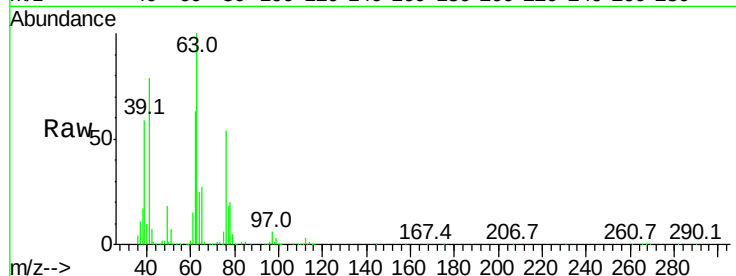
Tgt Ion: 63 Resp: 806021

Ion Ratio Lower Upper

63 100

41 78.4 62.3 93.5

62 63.3 51.4 77.2



#40

1,4-Dioxane

Concen: 9.996 ppbv

RT: 7.93 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion: 88 Resp: 349962

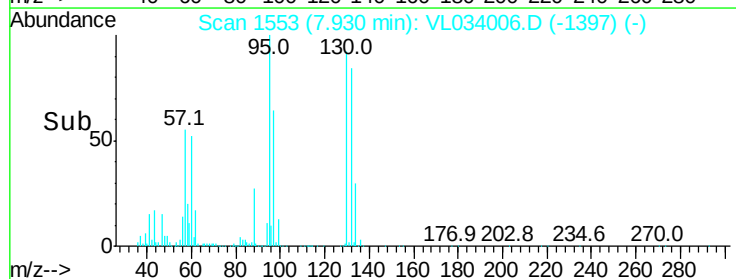
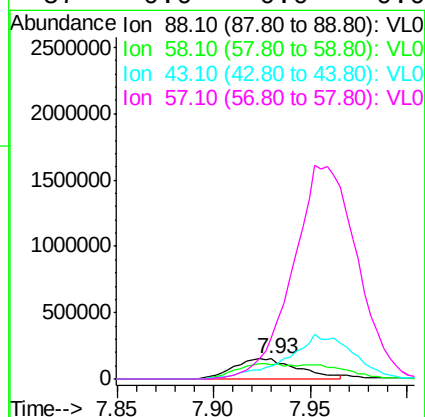
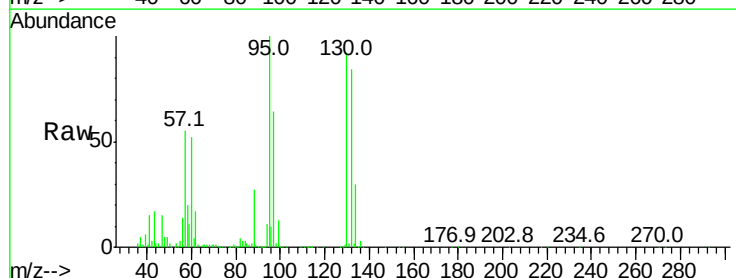
Ion Ratio Lower Upper

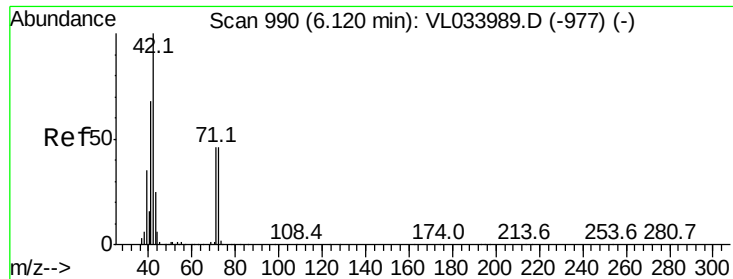
88 100

58 122.0 99.1 148.7

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 11.609 ppbv

RT: 6.12 min Scan# 990

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

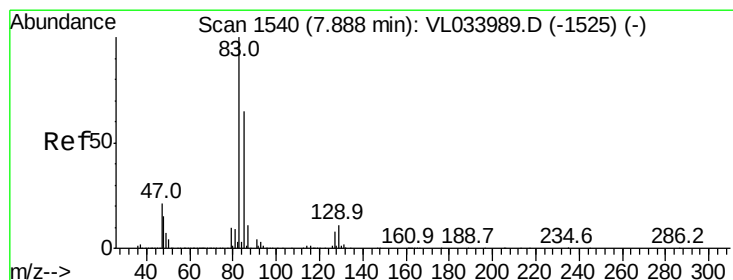
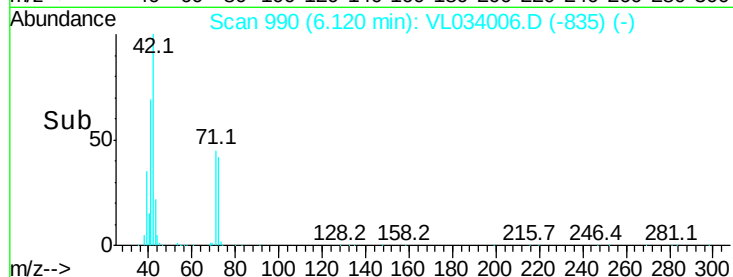
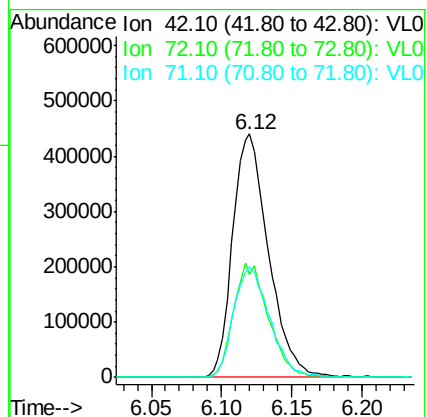
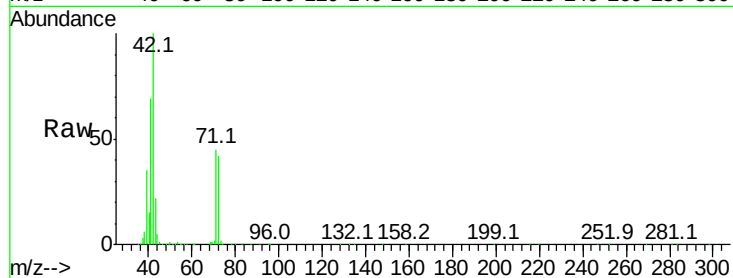
Tgt Ion: 42 Resp: 785263

Ion Ratio Lower Upper

42 100

72 46.0 37.3 55.9

71 45.8 36.2 54.2



#42

Bromodichloromethane

Concen: 10.473 ppbv

RT: 7.88 min Scan# 1538

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

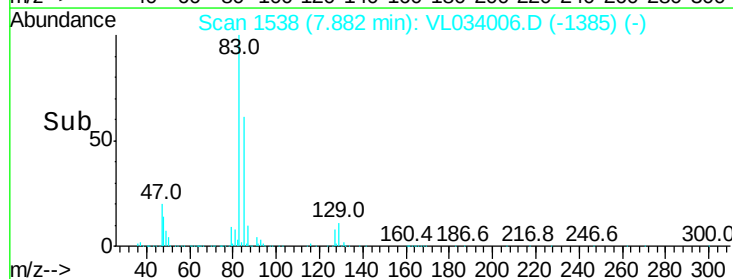
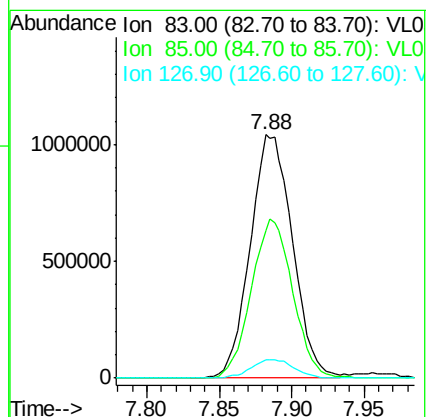
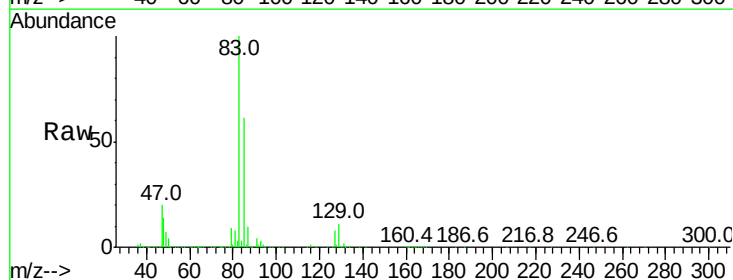
Tgt Ion: 83 Resp: 2110989

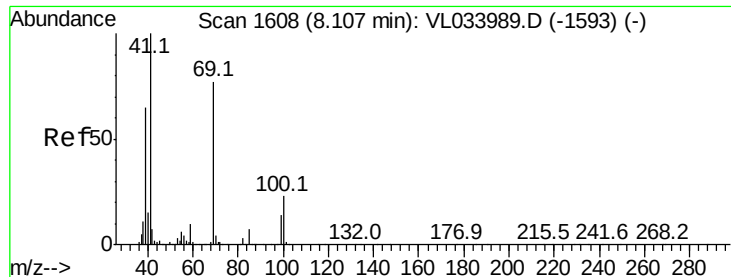
Ion Ratio Lower Upper

83 100

85 60.5 51.8 77.8

127 7.6 6.5 9.7





#43

Methyl Methacrylate

Concen: 11.698 ppbv

RT: 8.10 min Scan# 1607

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

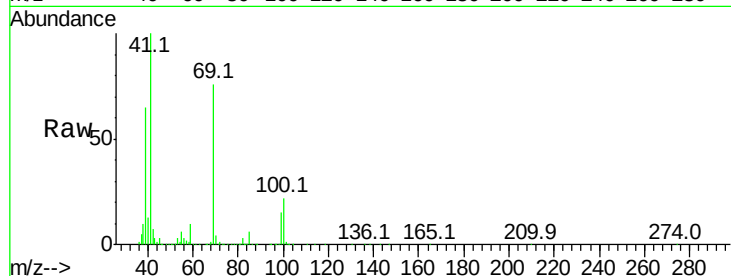
Tgt Ion: 69 Resp: 905078

Ion Ratio Lower Upper

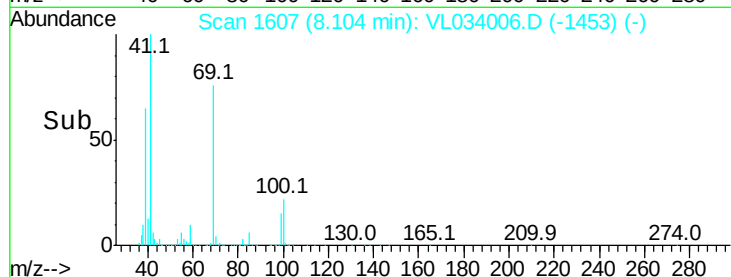
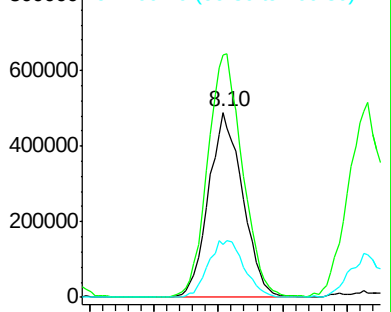
69 100

41 133.8 109.1 163.7

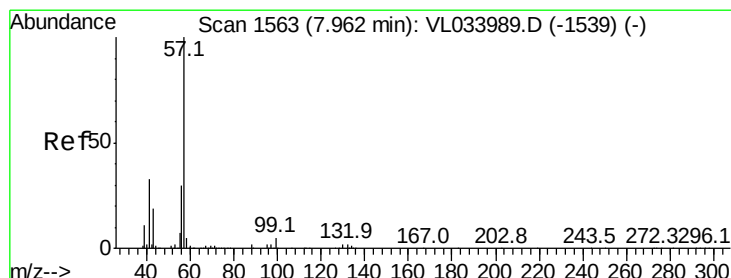
100 32.2 25.3 37.9



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



Time-->



#44

2,2,4-Trimethylpentane

Concen: 10.583 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

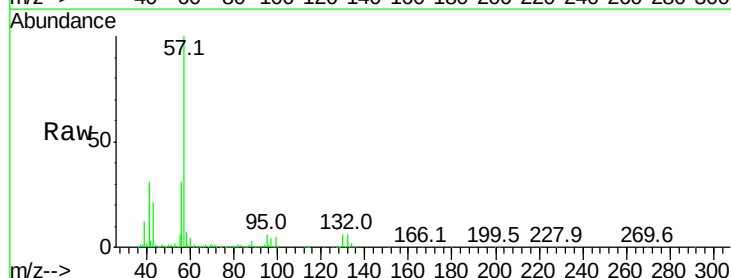
Tgt Ion: 57 Resp: 3725306

Ion Ratio Lower Upper

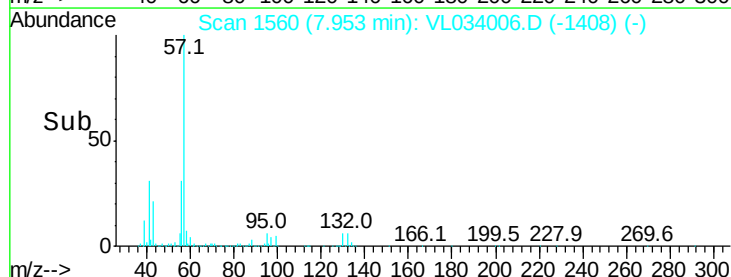
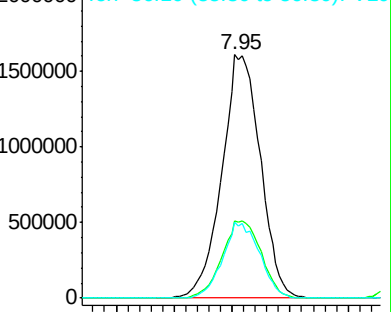
57 100

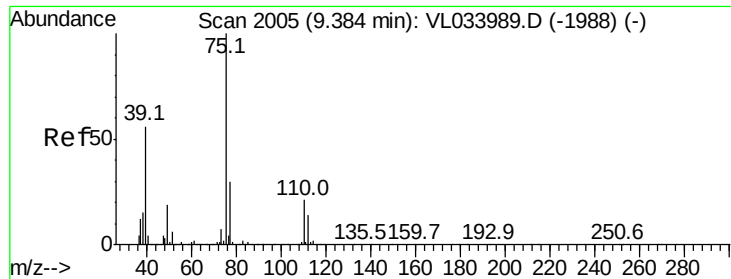
41 32.4 26.1 39.1

56 30.0 24.4 36.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 13.247 ppbv

RT: 9.38 min Scan# 2004

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

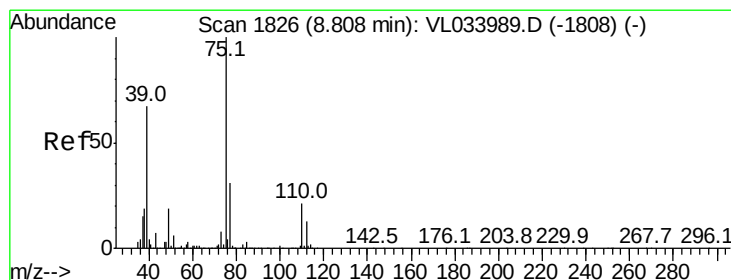
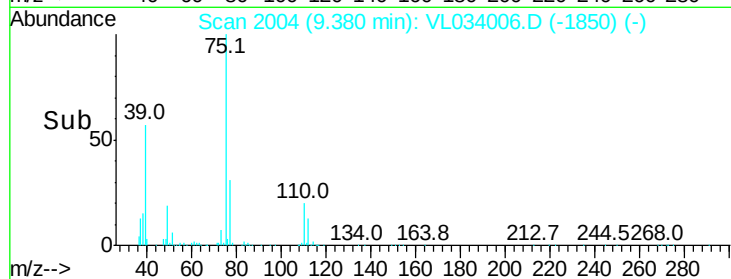
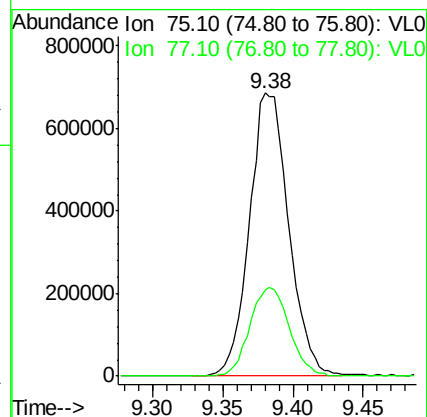
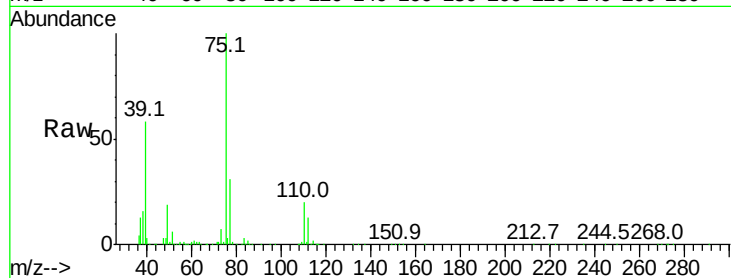
VSTDCCC010EC

Tgt Ion: 75 Resp: 1340242

Ion Ratio Lower Upper

75 100

77 30.5 24.3 36.5



#46

cis-1,3-Dichloropropene

Concen: 12.528 ppbv

RT: 8.80 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

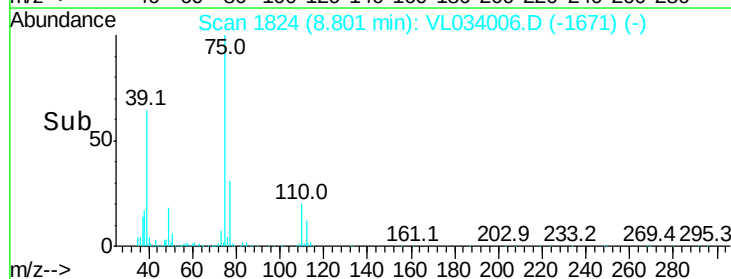
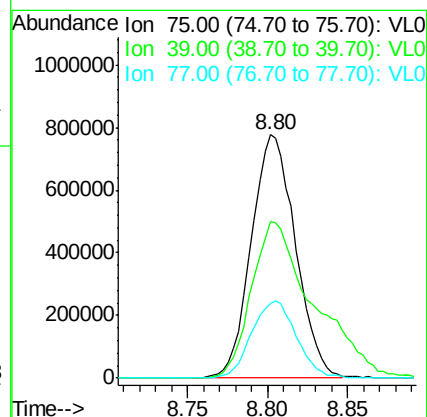
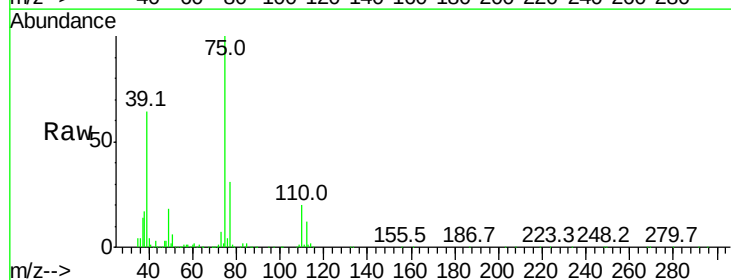
Tgt Ion: 75 Resp: 1467947

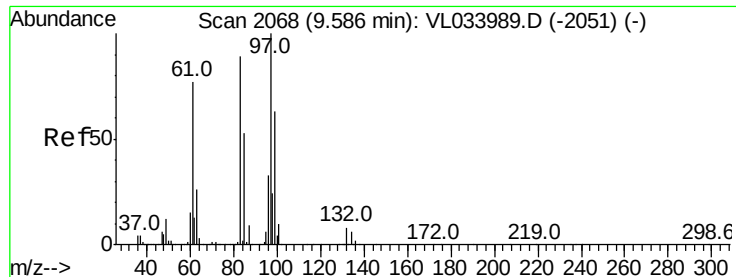
Ion Ratio Lower Upper

75 100

39 64.3 53.8 80.6

77 30.5 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 10.746 ppbv

RT: 9.58 min Scan# 2066

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1024522

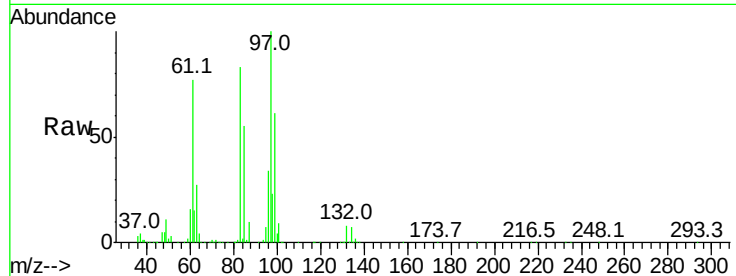
Ion Ratio Lower Upper

97 100

83 83.4 71.1 106.7

85 54.8 42.6 64.0

99 60.6 50.3 75.5

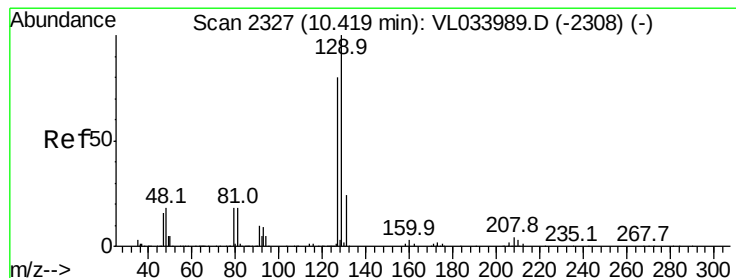
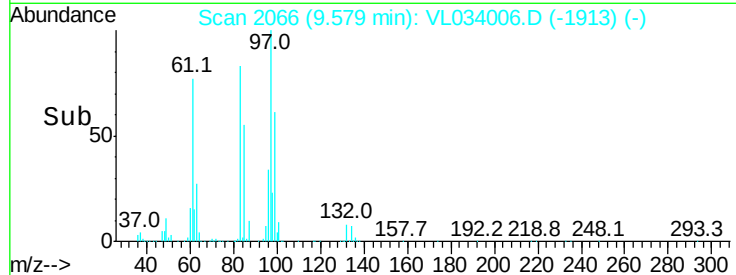
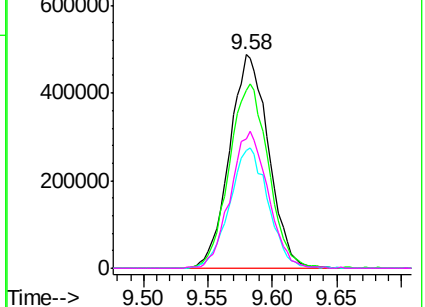


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.403 ppbv

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VL034006.D

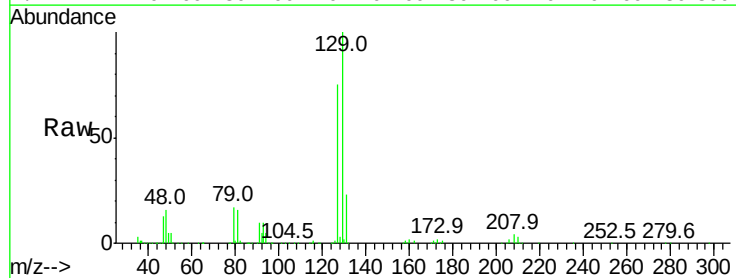
Acq: 3 Jul 2019 9:46

Tgt Ion: 129 Resp: 1892526

Ion Ratio Lower Upper

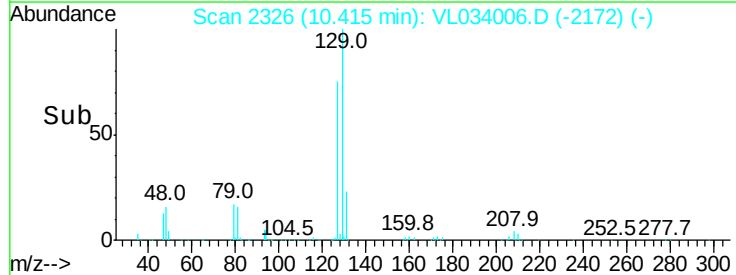
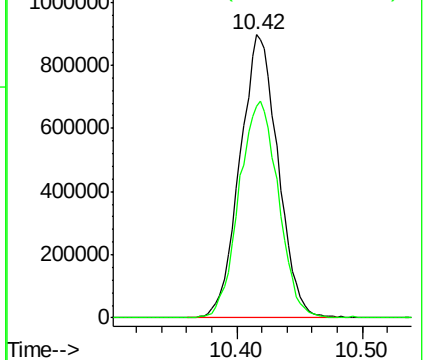
129 100

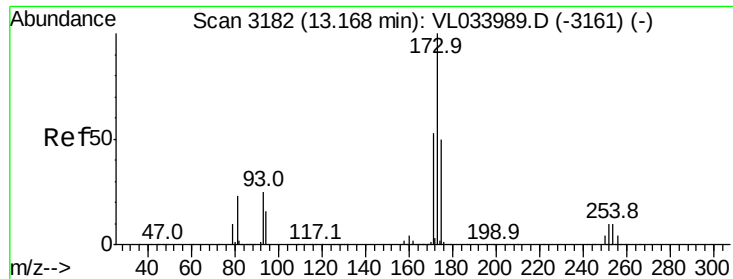
127 79.3 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.184 ppbv

RT: 13.17 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

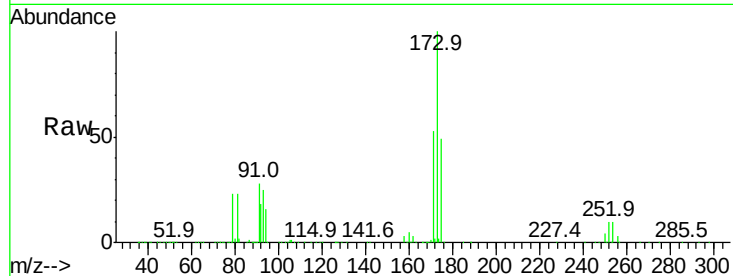
Tgt Ion:173 Resp: 1893621

Ion Ratio Lower Upper

173 100

175 50.0 39.3 58.9

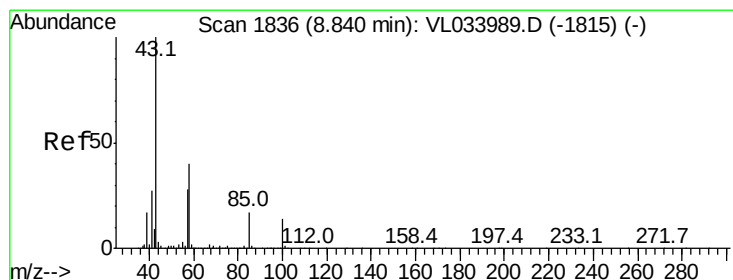
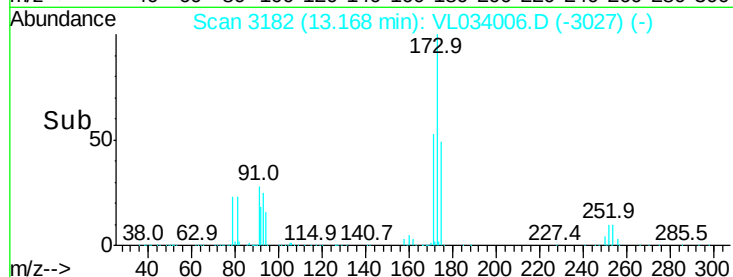
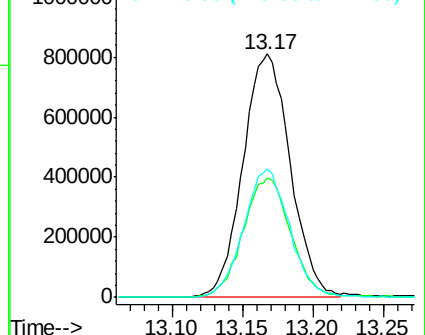
171 51.9 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.241 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL034006.D

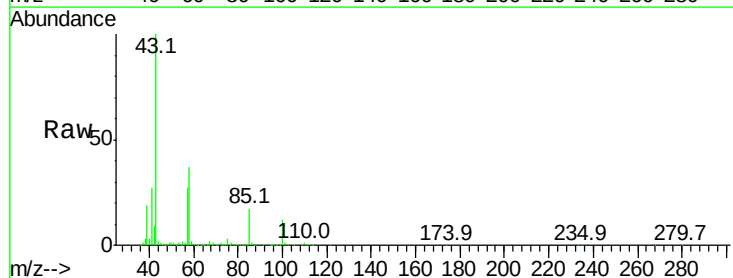
Acq: 3 Jul 2019 9:46

Tgt Ion: 43 Resp: 2300681

Ion Ratio Lower Upper

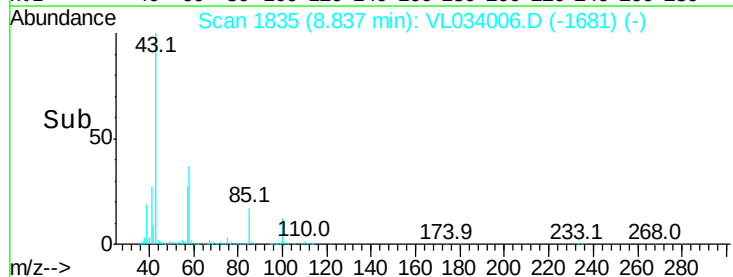
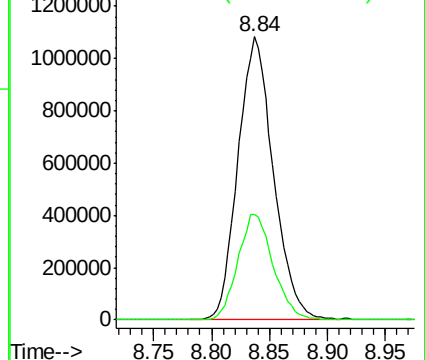
43 100

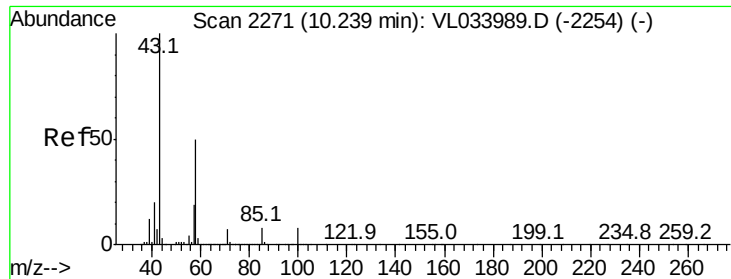
58 37.3 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.412 ppbv

RT: 10.24 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

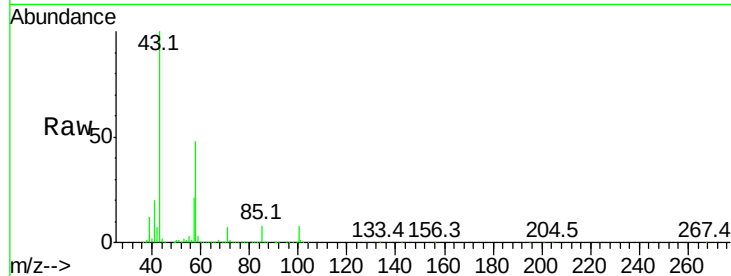
Tgt Ion: 43 Resp: 1883784

Ion Ratio Lower Upper

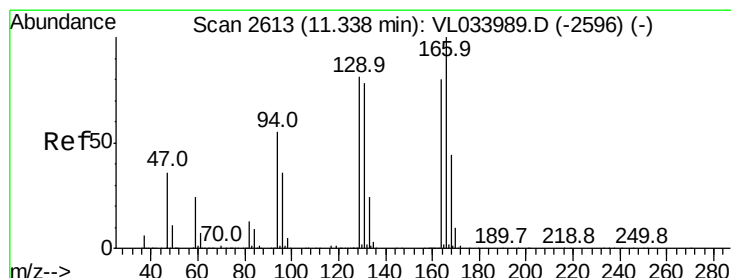
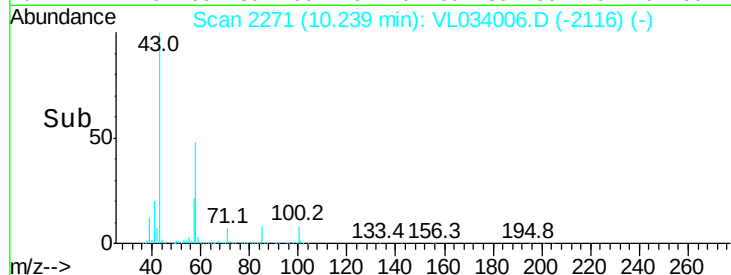
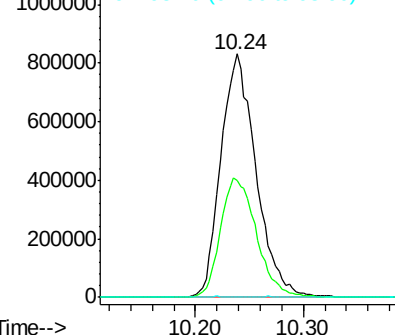
43 100

58 50.3 41.0 61.4

98 0.4 0.2 0.2#



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



#52

Tetrachloroethene

Concen: 11.708 ppbv

RT: 11.34 min Scan# 2612

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion: 164 Resp: 1027625

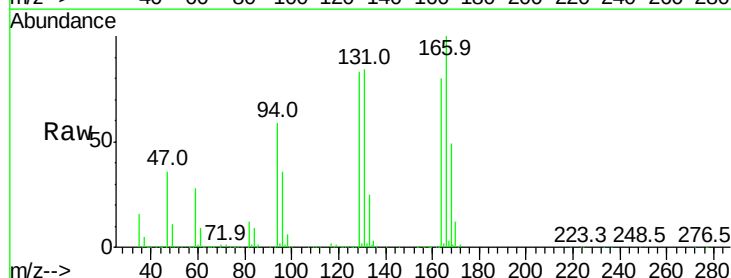
Ion Ratio Lower Upper

164 100

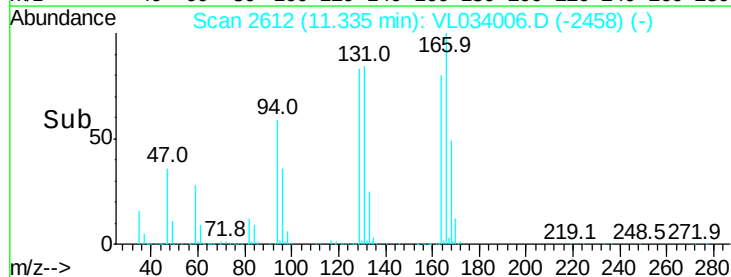
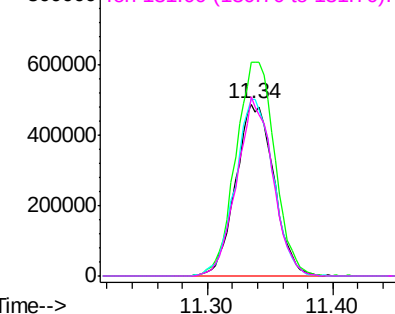
166 124.3 100.2 150.2

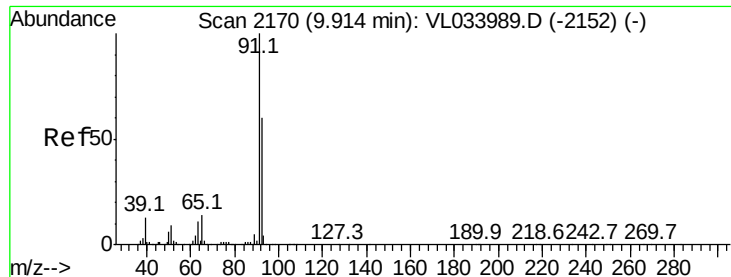
129 102.8 81.0 121.6

131 104.2 78.3 117.5



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





#53

Toluene

Concen: 12.447 ppbv

RT: 9.91 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

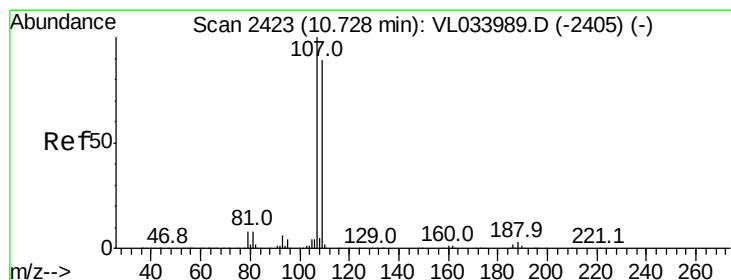
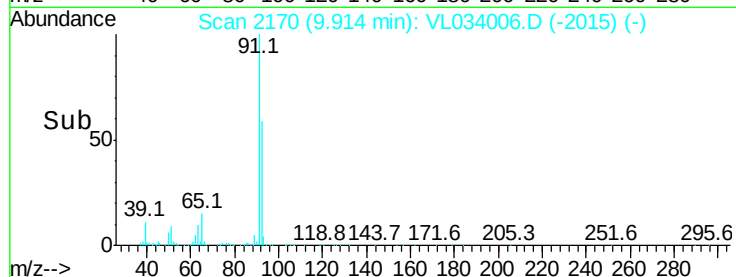
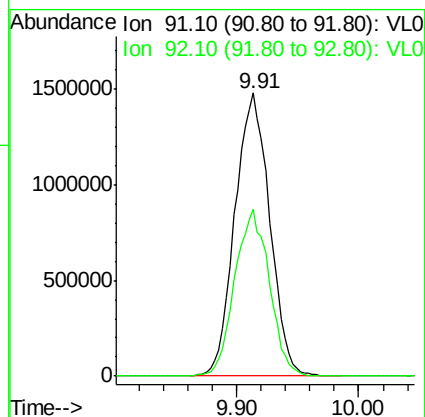
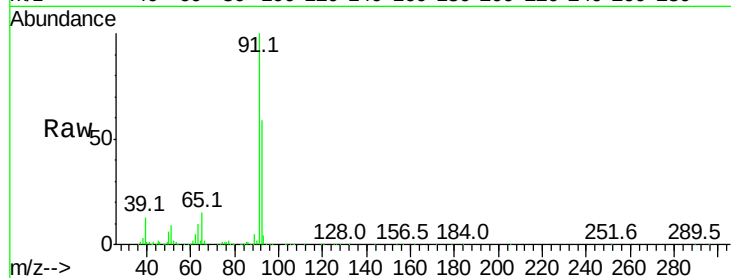
VSTDCCC010EC

Tgt Ion: 91 Resp: 2905523

Ion Ratio Lower Upper

91 100

92 58.7 47.7 71.5



#54

1,2-Dibromoethane

Concen: 11.298 ppbv

RT: 10.73 min Scan# 2423

Delta R.T. -0.00 min

Lab File: VL034006.D

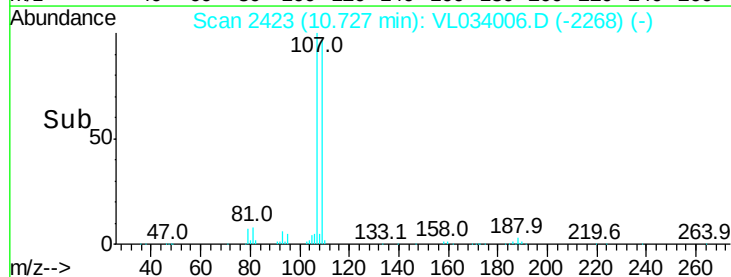
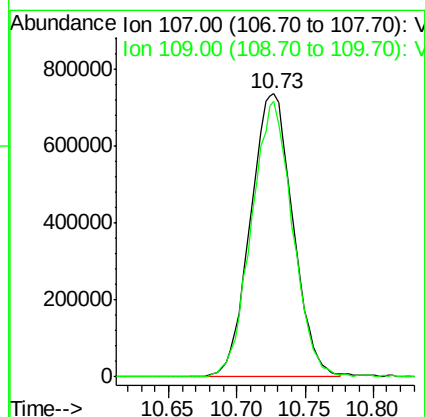
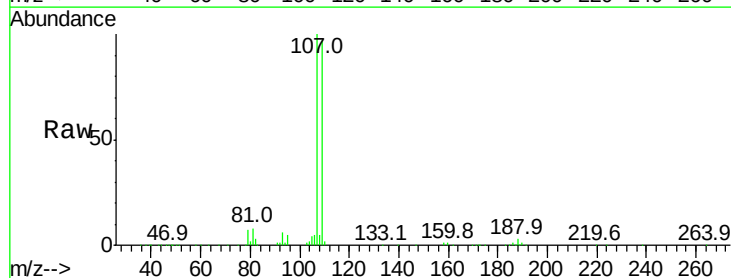
Acq: 3 Jul 2019 9:46

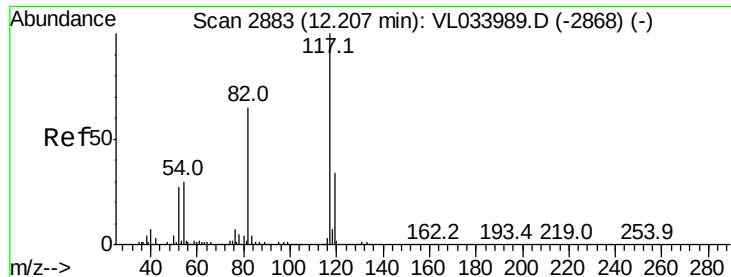
Tgt Ion: 107 Resp: 1589666

Ion Ratio Lower Upper

107 100

109 97.4 71.5 107.3

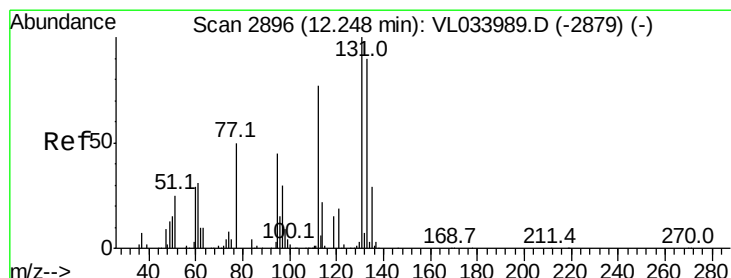
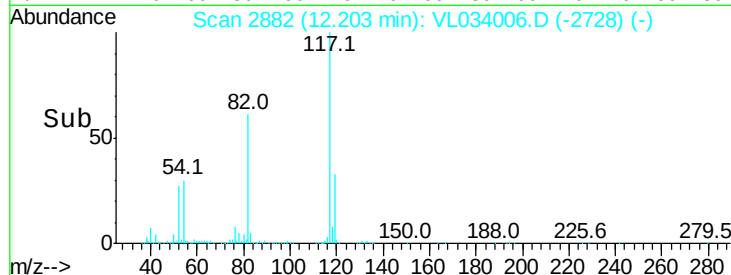
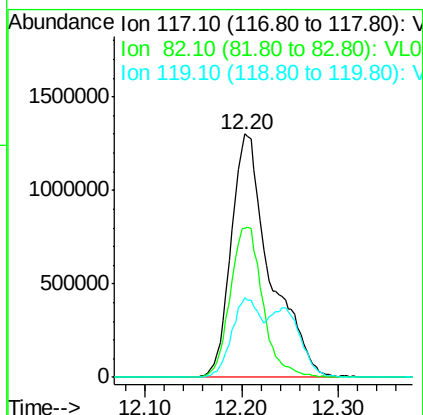
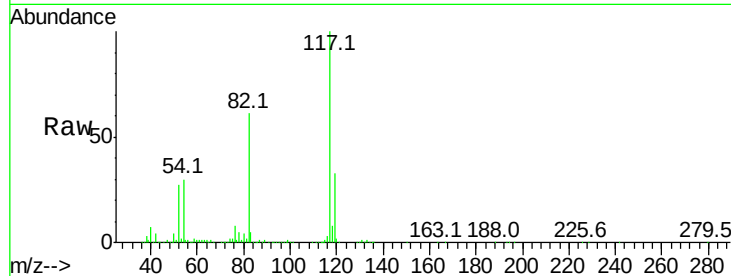




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

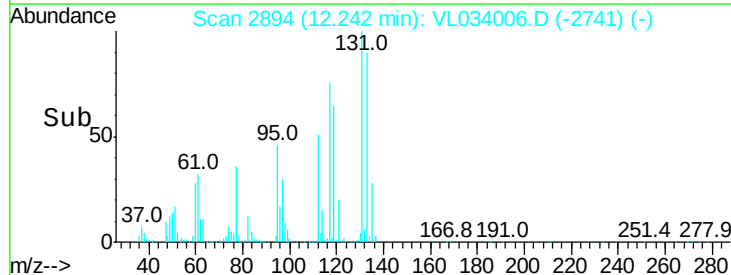
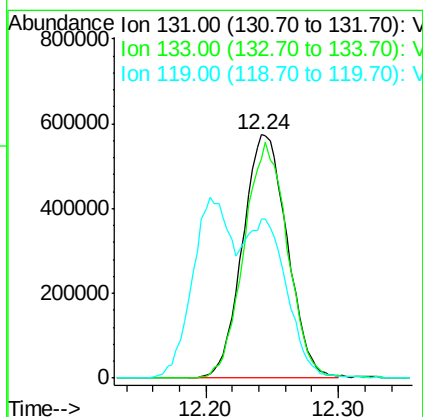
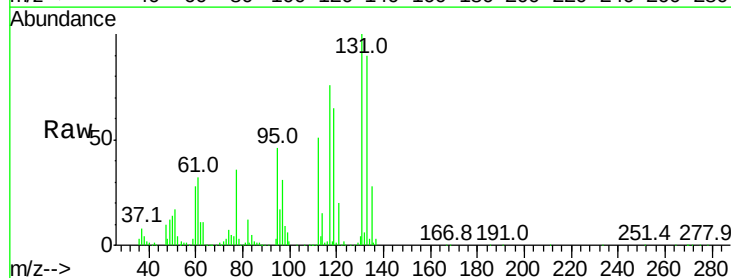
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

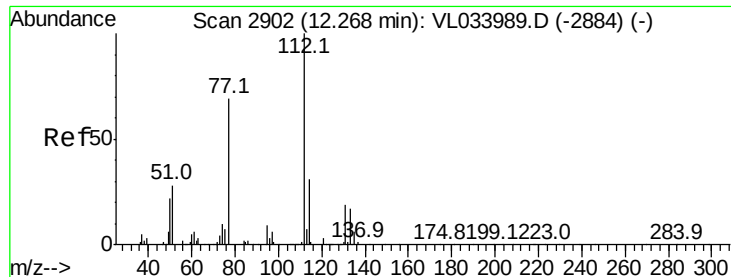
Tgt Ion:117 Resp: 3651815
Ion Ratio Lower Upper
117 100
82 51.8 50.8 76.2
119 25.3 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.223 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion:131 Resp: 1342183
Ion Ratio Lower Upper
131 100
133 94.9 76.2 114.2
119 55.1 43.1 64.7





#57

Chlorobenzene

Concen: 8.131 ppbv

RT: 12.26 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

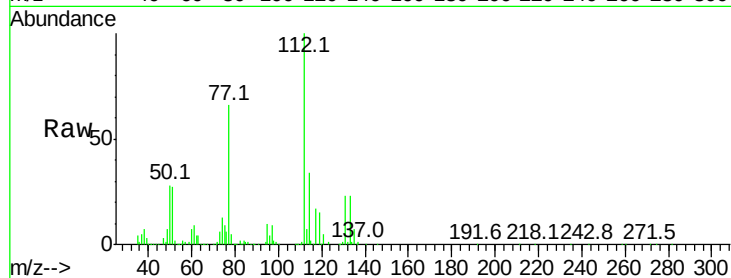
Tgt Ion: 112 Resp: 2363908

Ion Ratio Lower Upper

112 100

77 65.6 55.9 83.9

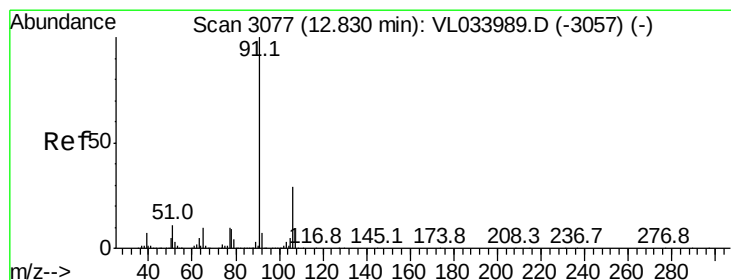
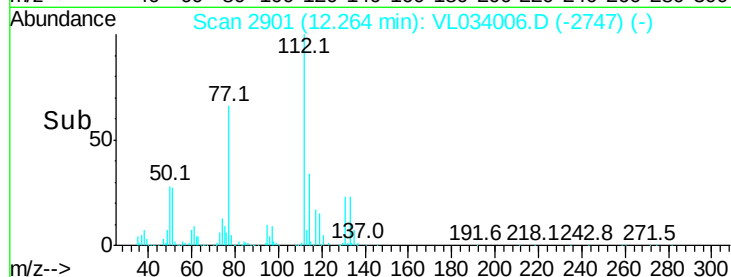
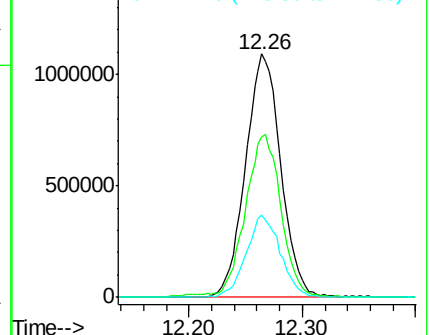
114 33.8 27.6 33.8



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: 9.441 ppbv

RT: 12.83 min Scan# 3077

Delta R.T. -0.00 min

Lab File: VL034006.D

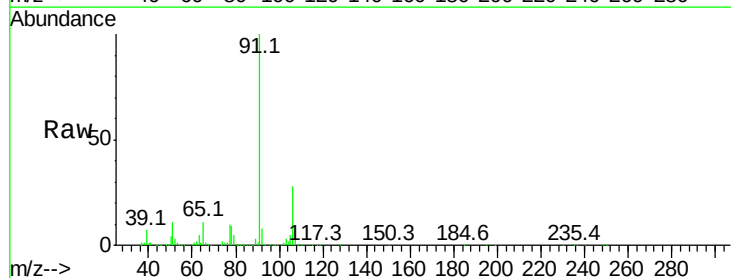
Acq: 3 Jul 2019 9:46

Tgt Ion: 91 Resp: 4145887

Ion Ratio Lower Upper

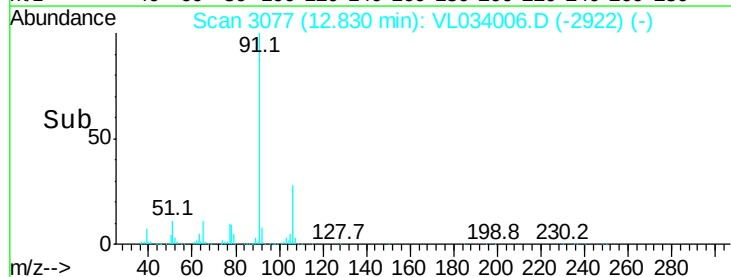
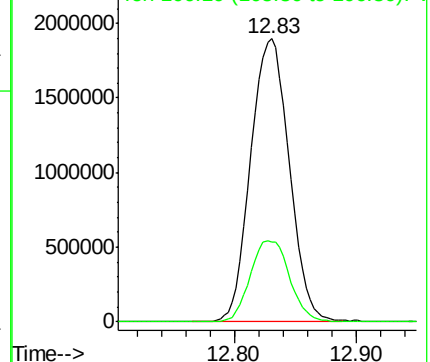
91 100

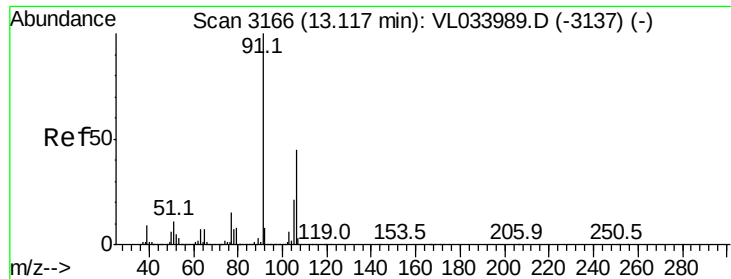
106 28.0 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

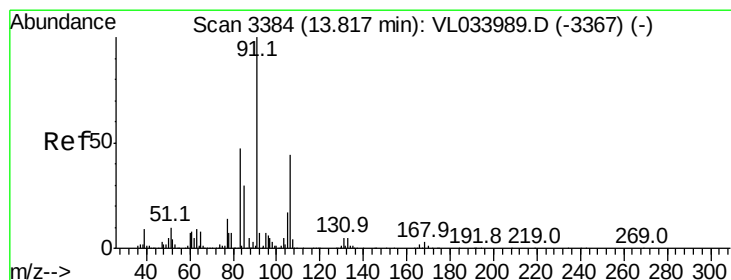
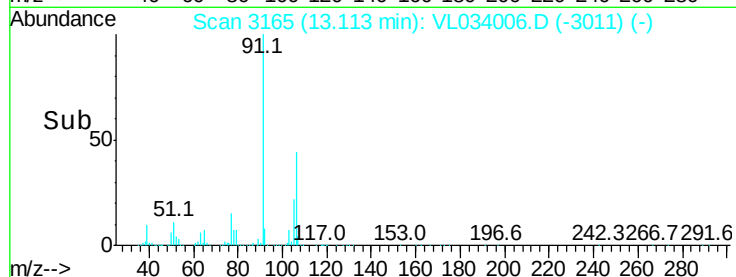
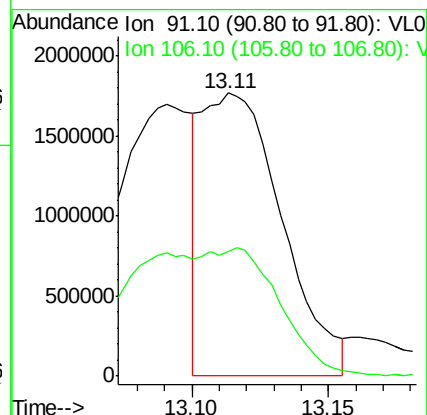
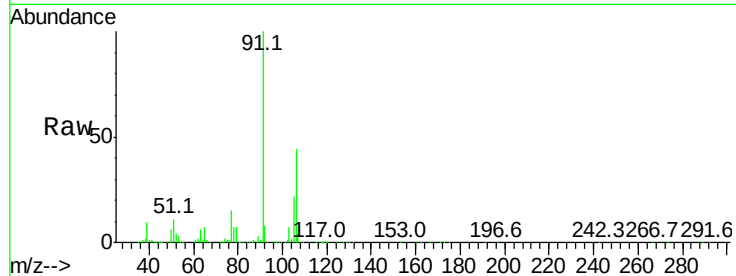




#59
m/p-Xylene
Concen: 8.990 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

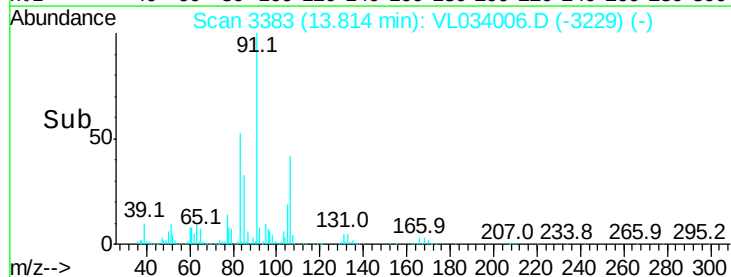
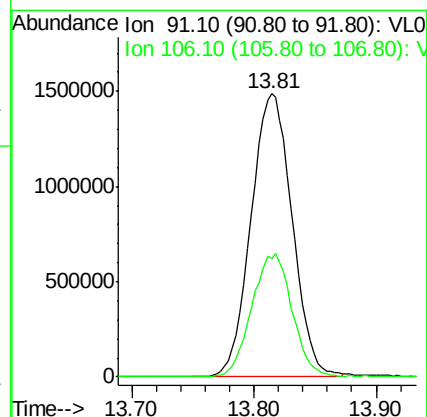
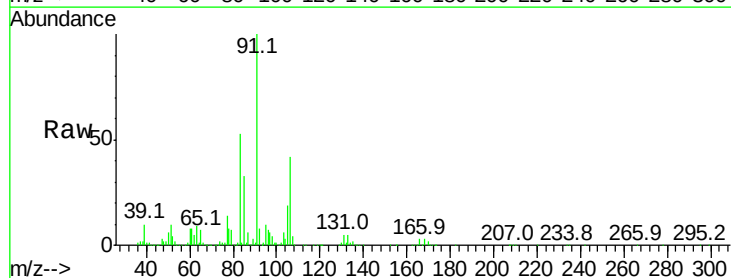
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

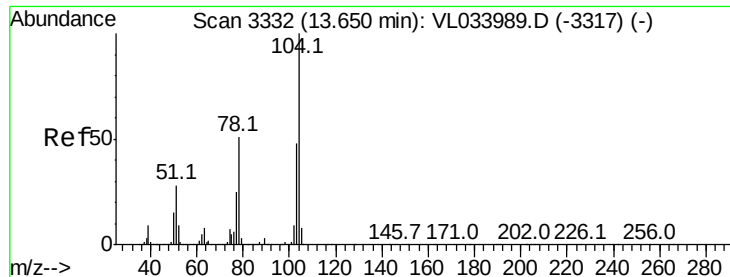
Tgt Ion: 91 Resp: 3574666
Ion Ratio Lower Upper
91 100
106 87.0 35.7 53.5#



#60
o-Xylene
Concen: 8.697 ppbv
RT: 13.81 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VL034006.D
Acq: 3 Jul 2019 9:46

Tgt Ion: 91 Resp: 3459328
Ion Ratio Lower Upper
91 100
106 43.0 21.9 65.7





#61

Styrene

Concen: 9.759 ppbv

RT: 13.65 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

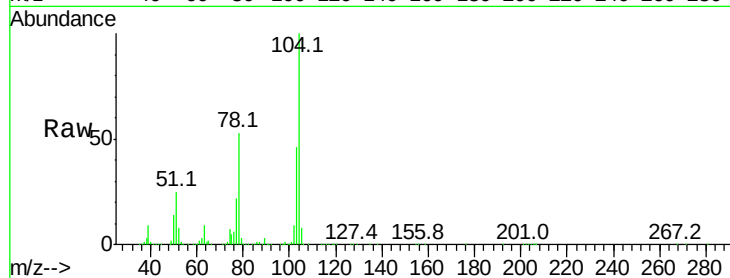
Tgt Ion:104 Resp: 2569098

Ion Ratio Lower Upper

104 100

78 55.1 43.9 65.9

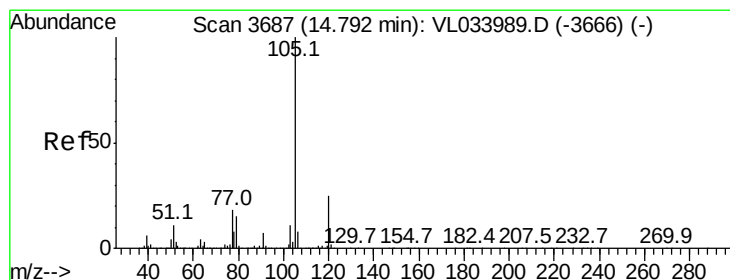
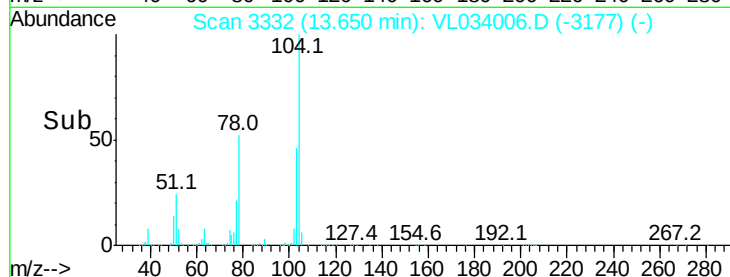
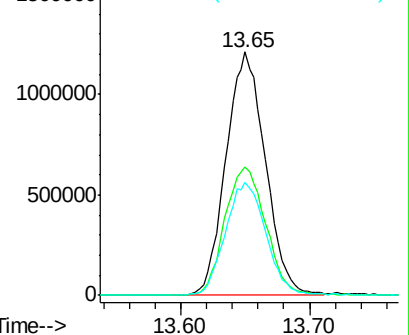
103 48.0 38.1 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.503 ppbv

RT: 14.79 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VL034006.D

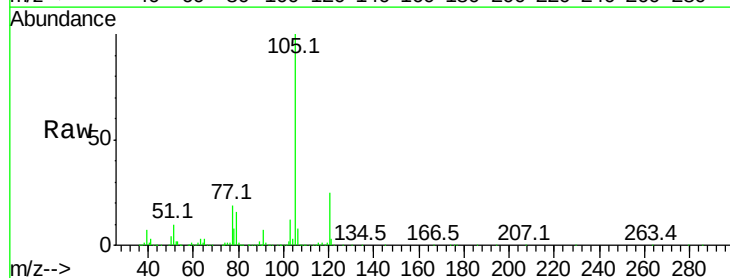
Acq: 3 Jul 2019 9:46

Tgt Ion:105 Resp: 4587785

Ion Ratio Lower Upper

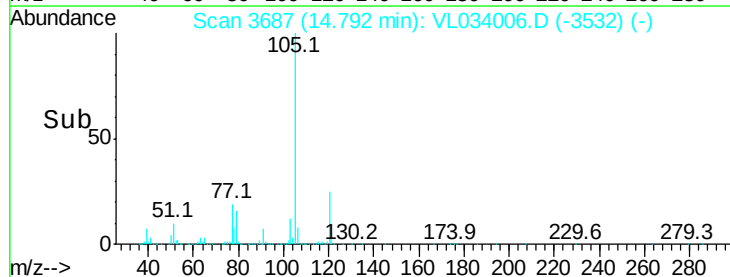
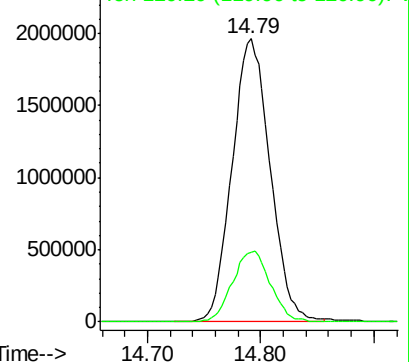
105 100

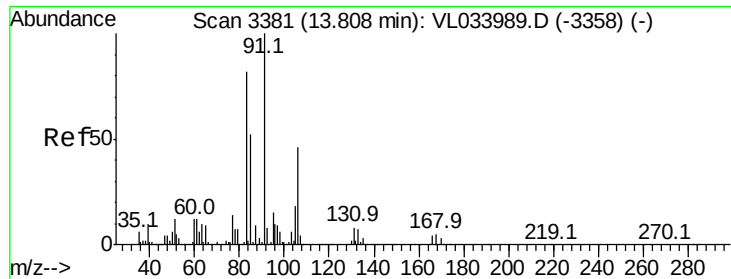
120 25.1 20.4 30.6



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: 7.708 ppbv

RT: 13.80 min Scan# 3379

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

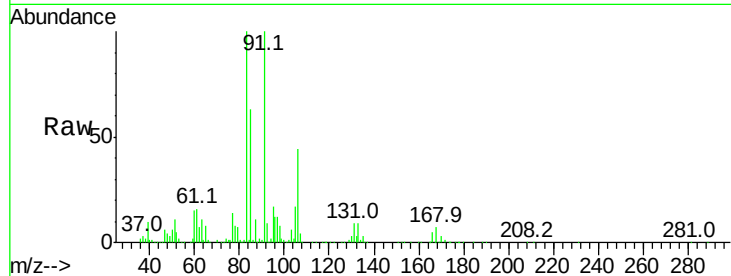
Tgt Ion: 83 Resp: 2373279

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	65.7	32.8	98.3

83 100

131 9.8 5.0 14.9

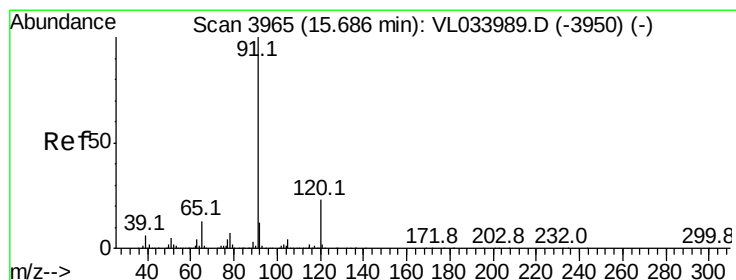
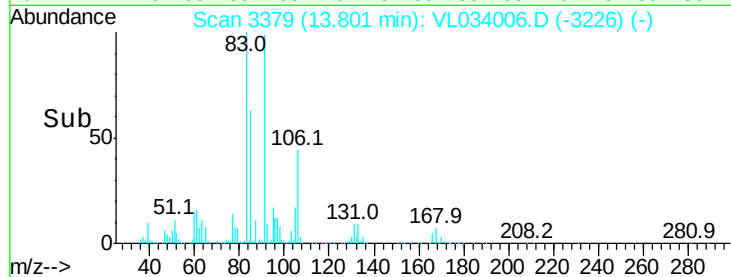
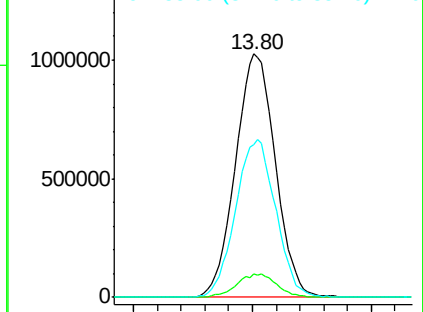
85 65.7 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.335 ppbv

RT: 15.69 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL034006.D

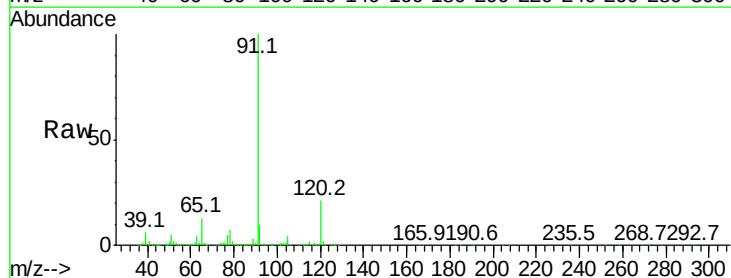
Acq: 3 Jul 2019 9:46

Tgt Ion: 120 Resp: 1163145

Ion	Ratio	Lower	Upper
120	100		
91	491.6	386.6	579.8

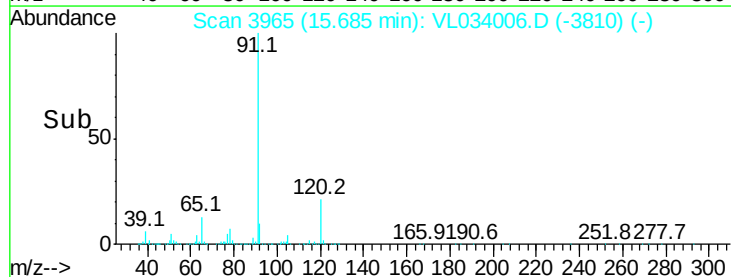
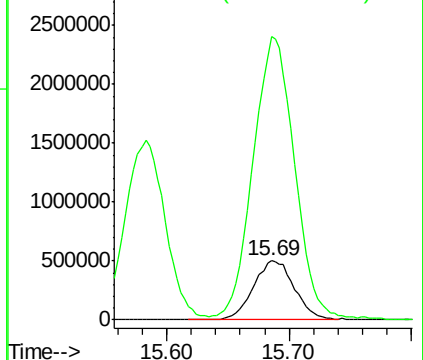
120 100

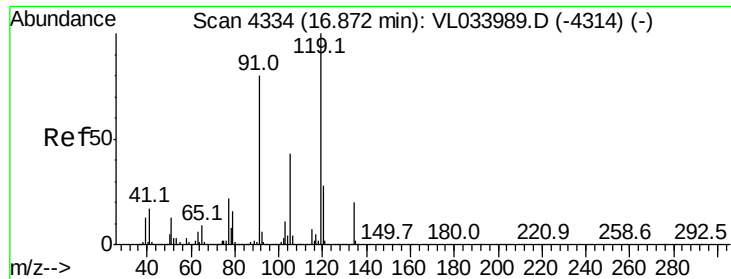
91 491.6 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

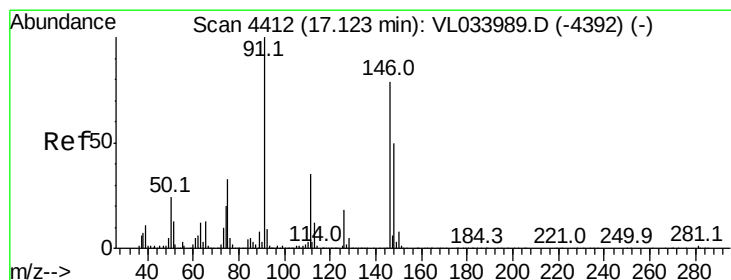
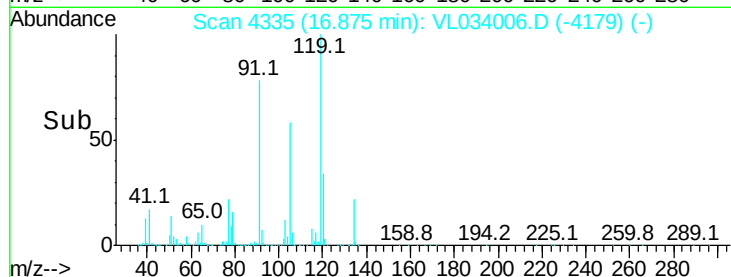
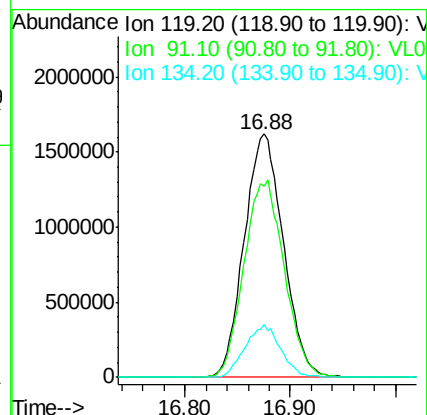
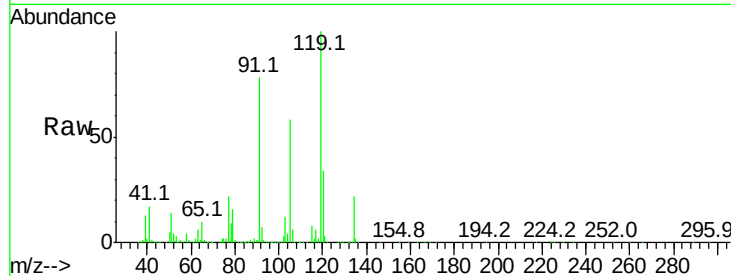




#65
 tert-Butylbenzene
 Concen: 8.044 ppbv
 RT: 16.88 min Scan# 4335
 Delta R.T. 0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

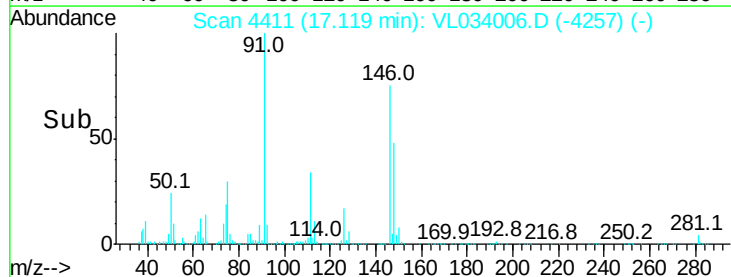
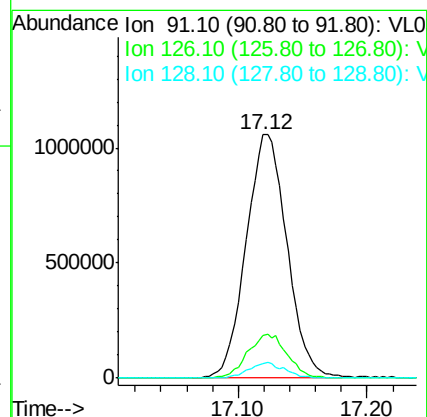
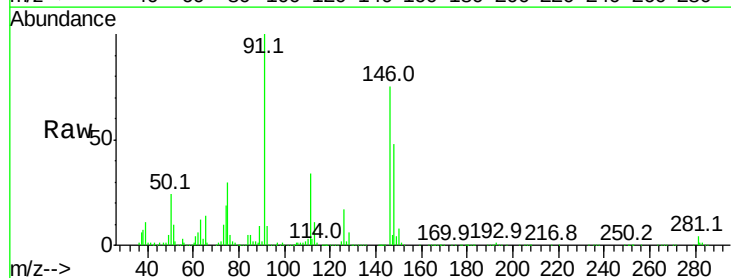
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

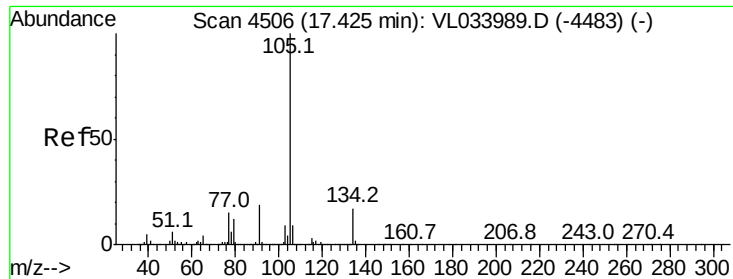
Tgt Ion: 119 Resp: 4182965
 Ion Ratio Lower Upper
 119 100
 91 83.5 67.0 100.6
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 8.758 ppbv
 RT: 17.12 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Tgt Ion: 91 Resp: 2329955
 Ion Ratio Lower Upper
 91 100
 126 17.4 13.9 20.9
 128 5.8 4.6 7.0





#67

sec-Butylbenzene

Concen: 8.116 ppbv

RT: 17.42 min Scan# 4506

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

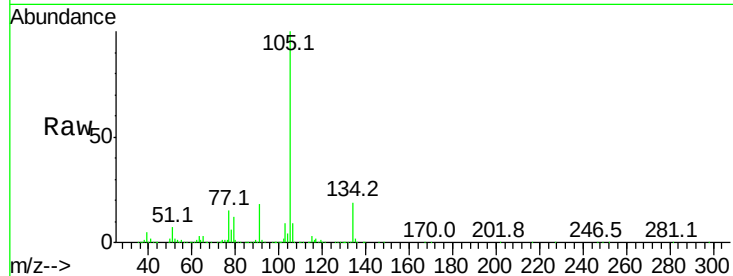
VSTDCCC010EC

Tgt Ion:105 Resp: 5923724

Ion Ratio Lower Upper

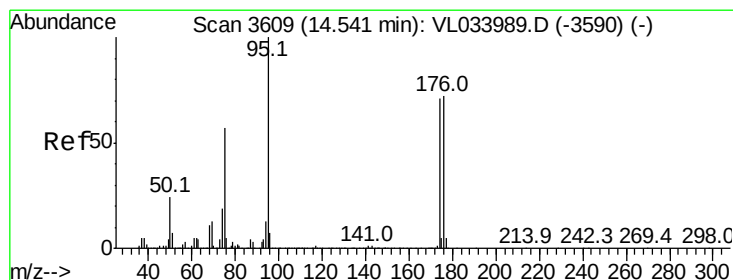
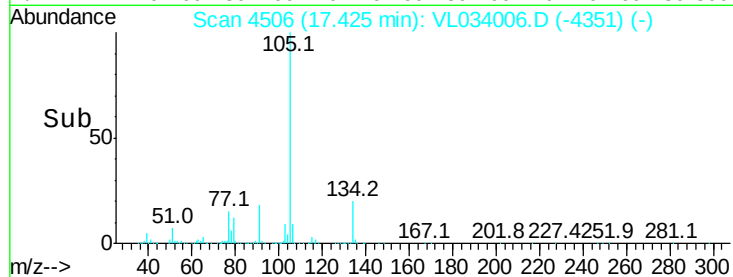
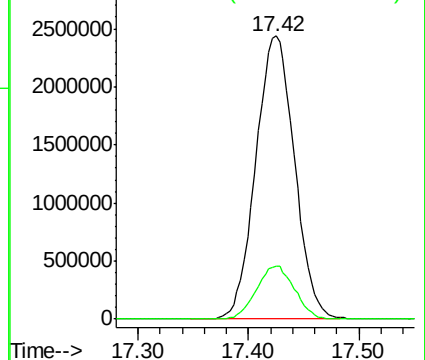
105 100

134 18.5 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.435 ppbv

RT: 14.54 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

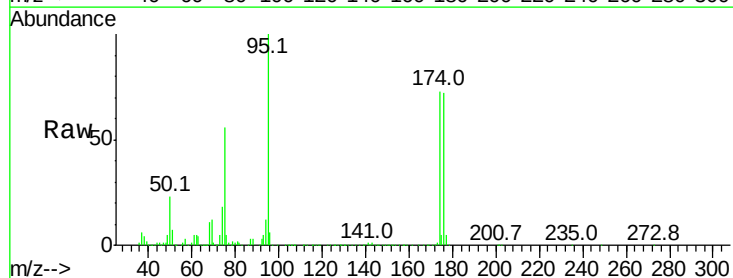
Tgt Ion: 95 Resp: 2315680

Ion Ratio Lower Upper

95 100

174 74.0 60.5 90.7

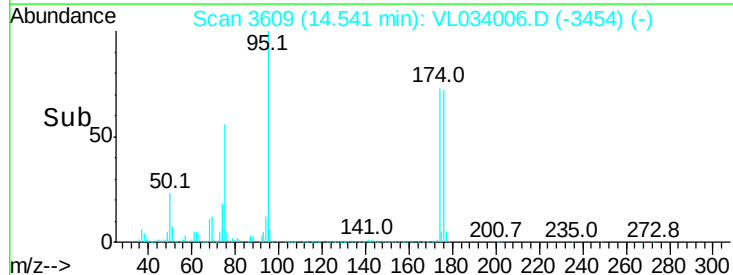
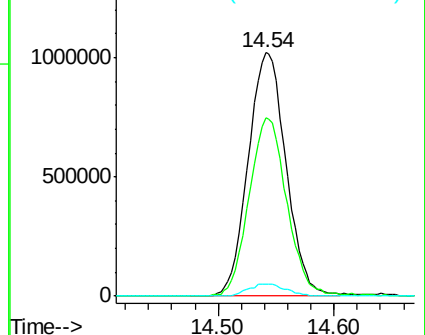
175 5.1 4.0 6.0

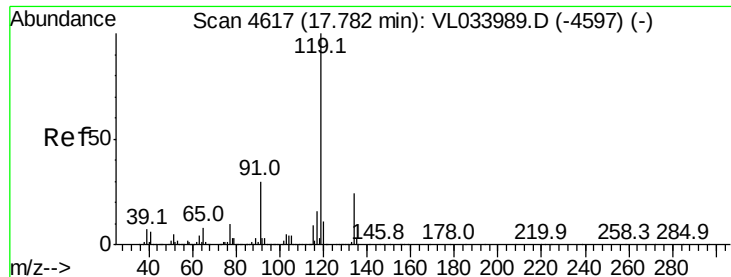


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



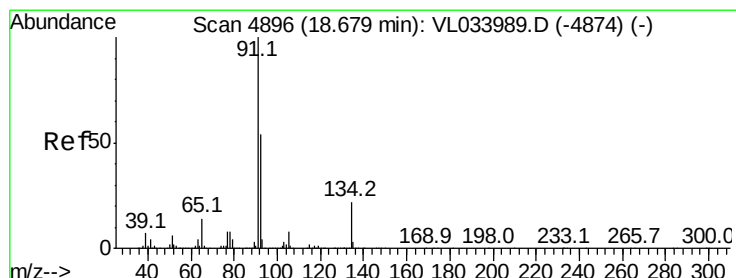
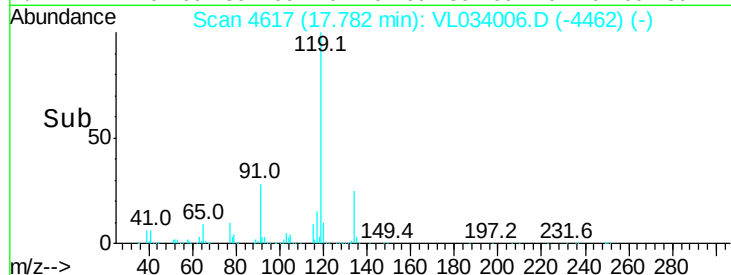
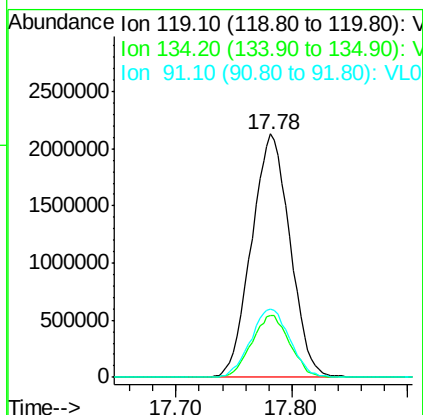
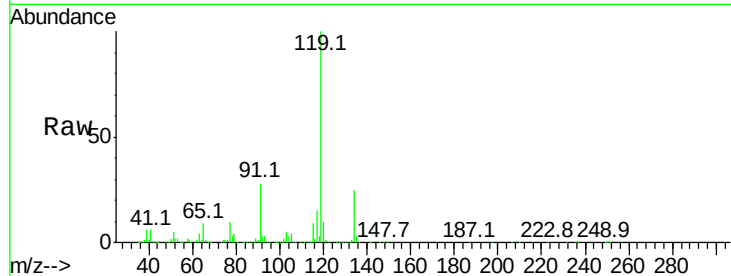


#69
 p-Isopropyltoluene
 Concen: 8.174 ppbv
 RT: 17.78 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4918932

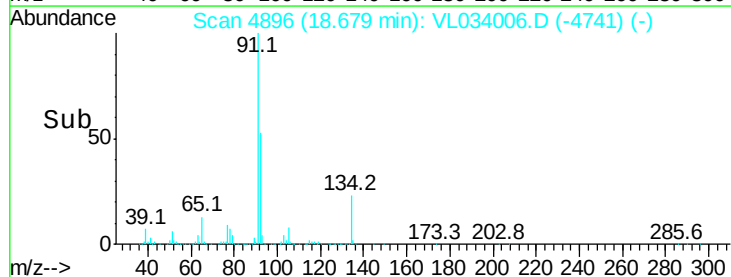
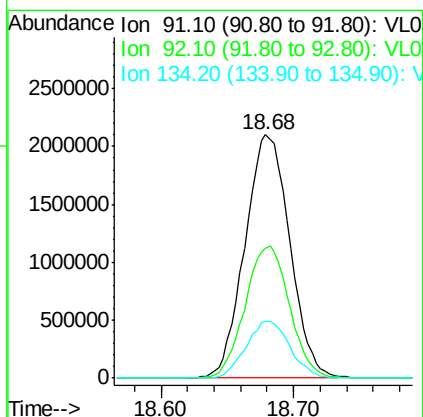
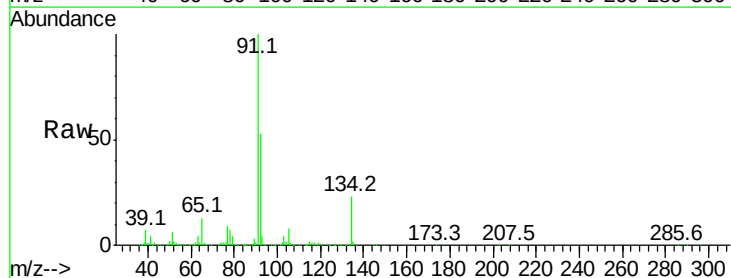
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.1	30.1
91	28.7	23.6	35.4

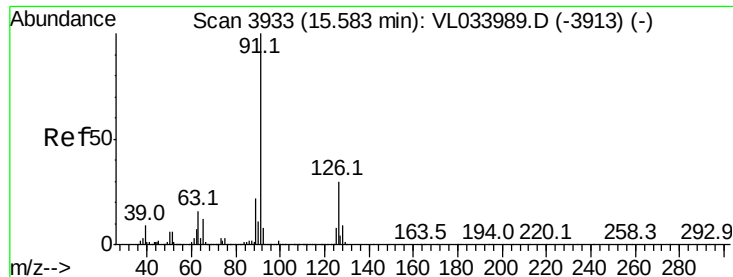


#70
 n-Butylbenzene
 Concen: 7.821 ppbv
 RT: 18.68 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Tgt Ion: 91 Resp: 4944651

Ion	Ratio	Lower	Upper
91	100		
92	54.0	42.0	63.0
134	22.9	17.9	26.9





#71

2-Chlorotoluene

Concen: 7.716 ppbv

RT: 15.58 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

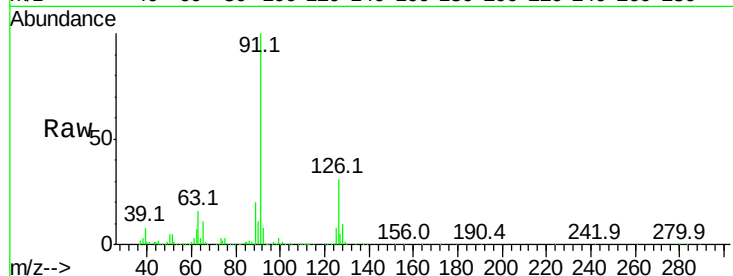
VSTDCCC010EC

Tgt Ion: 91 Resp: 3453083

Ion Ratio Lower Upper

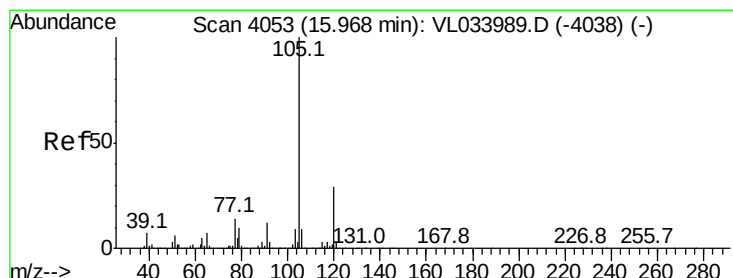
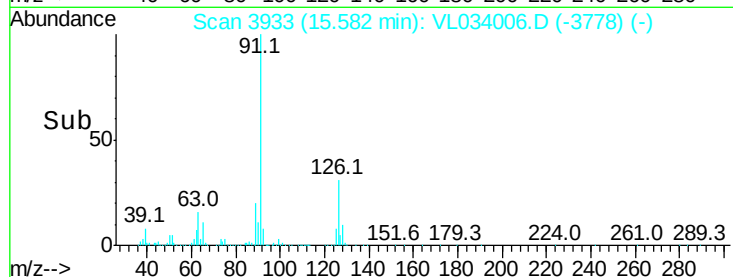
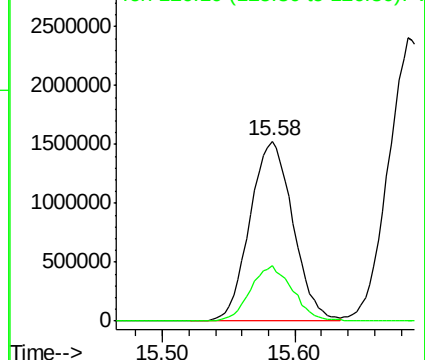
91 100

126 30.6 12.3 49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.839 ppbv

RT: 15.97 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion: 105 Resp: 4004653

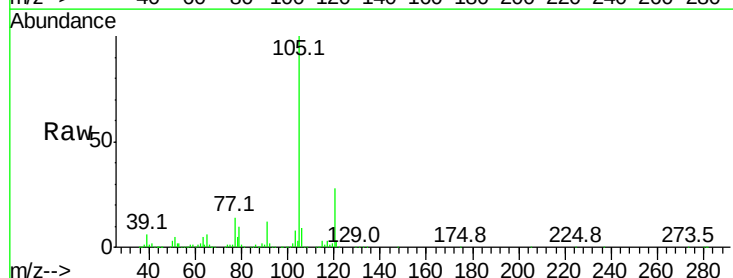
Ion Ratio Lower Upper

105 100

120 30.2 24.1 36.1

91 13.7 10.6 16.0

77 14.1 11.5 17.3

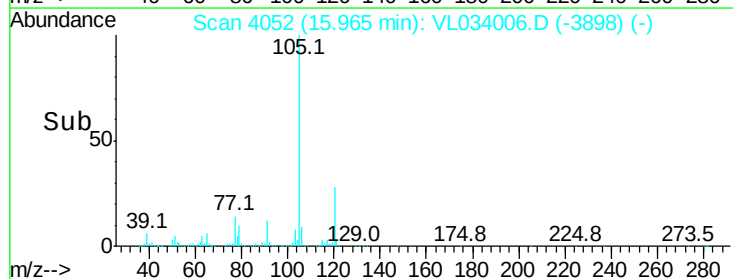
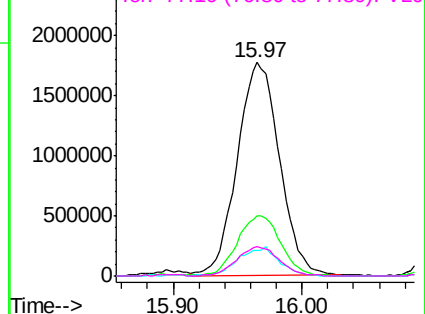


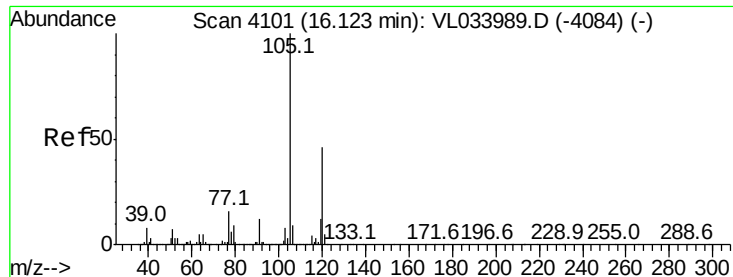
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.130 ppbv

RT: 16.12 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

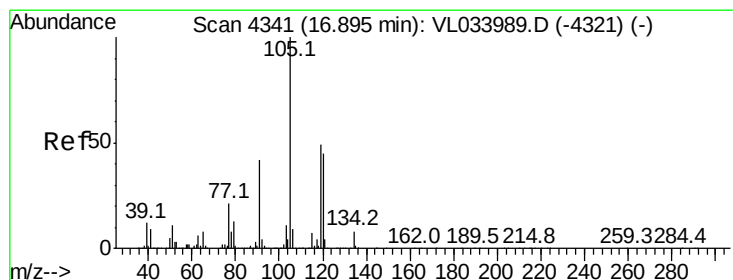
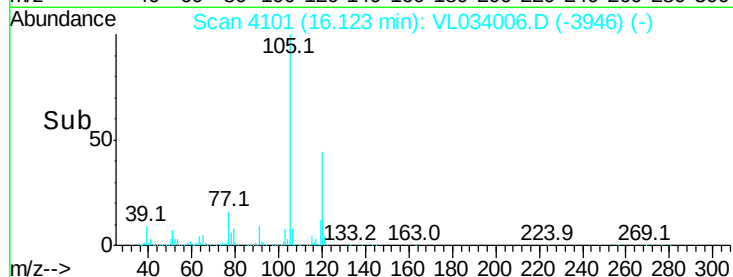
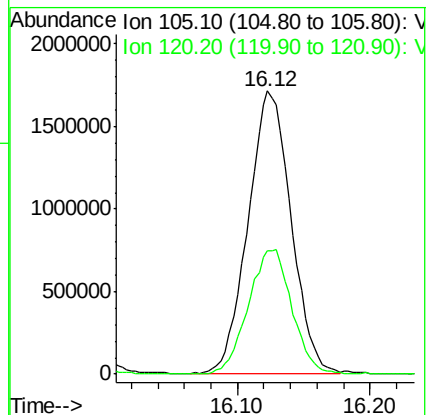
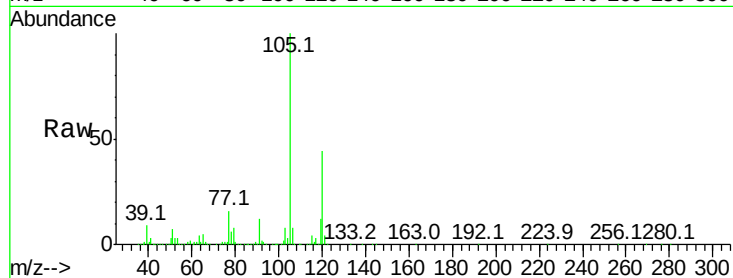
VSTDCCC010EC

Tgt Ion:105 Resp: 3864174

Ion Ratio Lower Upper

105 100

120 43.6 36.4 54.6



#74

1,2,4-Trimethylbenzene

Concen: 7.749 ppbv

RT: 16.89 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion:105 Resp: 4079349

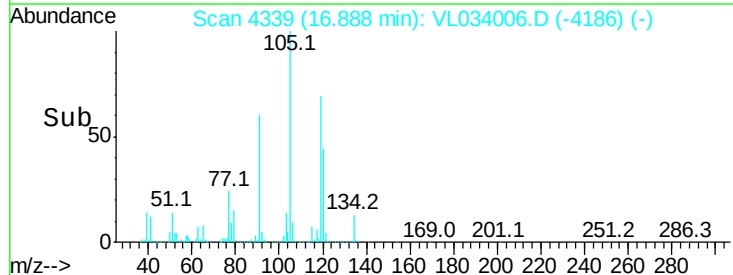
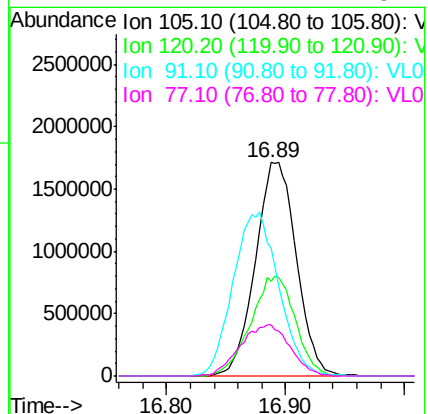
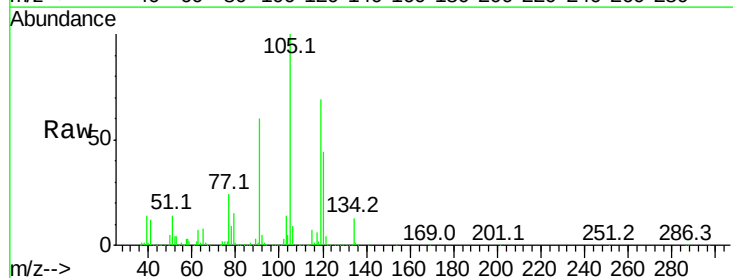
Ion Ratio Lower Upper

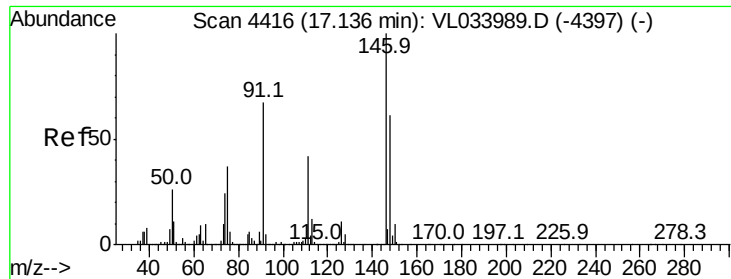
105 100

120 44.4 36.2 54.2

91 59.5 34.3 51.5#

77 24.1 17.1 25.7





#75

1,3-Dichlorobenzene

Concen: 7.346 ppbv

RT: 17.13 min Scan# 4415

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

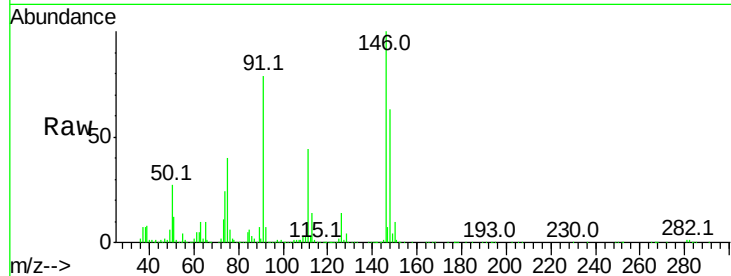
Tgt Ion:146 Resp: 2456643

Ion Ratio Lower Upper

146 100

111 44.0 22.3 66.9

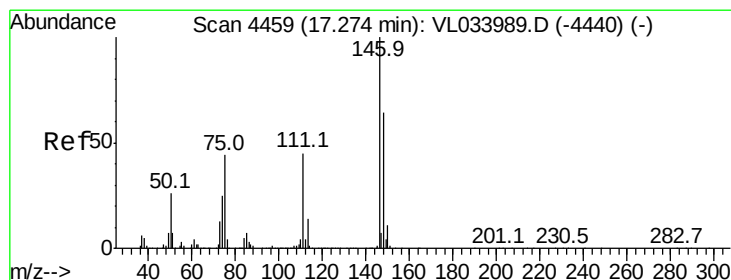
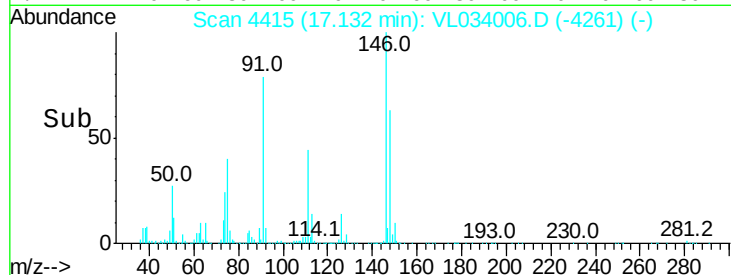
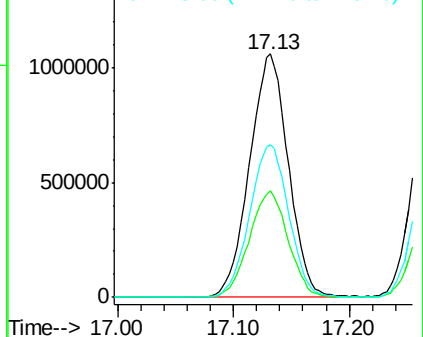
148 63.3 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.732 ppbv

RT: 17.27 min Scan# 4459

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

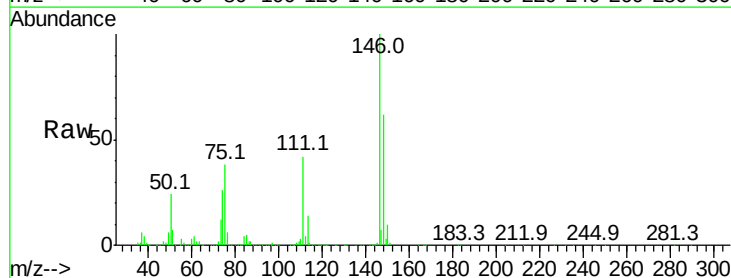
Tgt Ion:146 Resp: 2435293

Ion Ratio Lower Upper

146 100

111 42.8 21.9 65.5

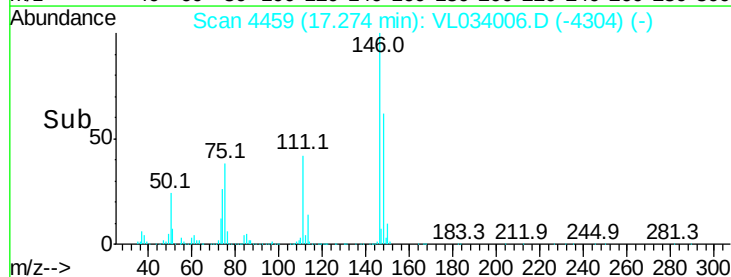
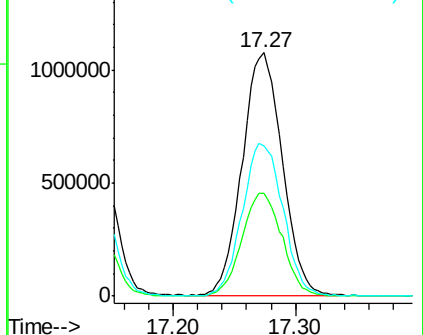
148 64.1 32.5 97.5

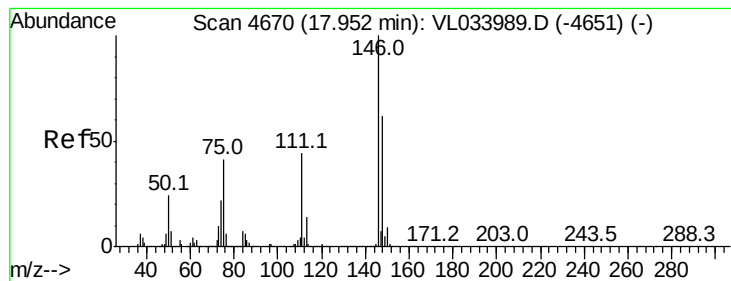


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.471 ppbv

RT: 17.95 min Scan# 4670

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

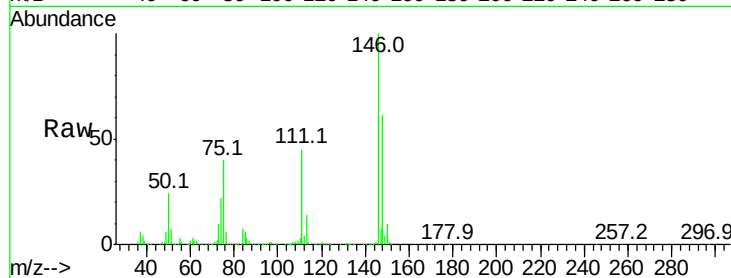
Tgt Ion:146 Resp: 2313397

Ion Ratio Lower Upper

146 100

111 46.5 22.7 68.1

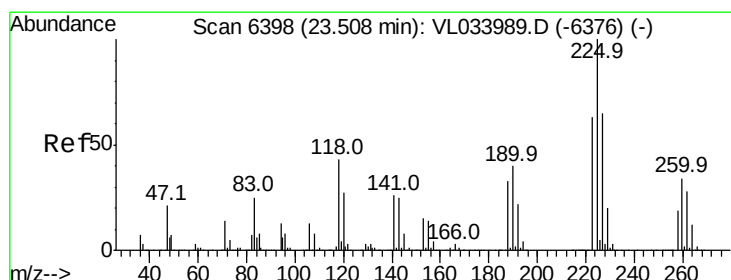
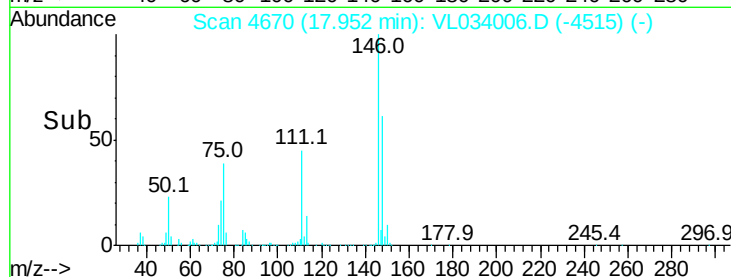
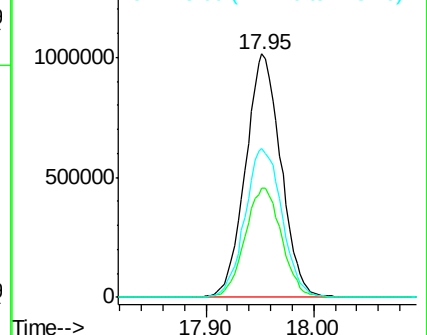
148 64.0 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.141 ppbv

RT: 23.51 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

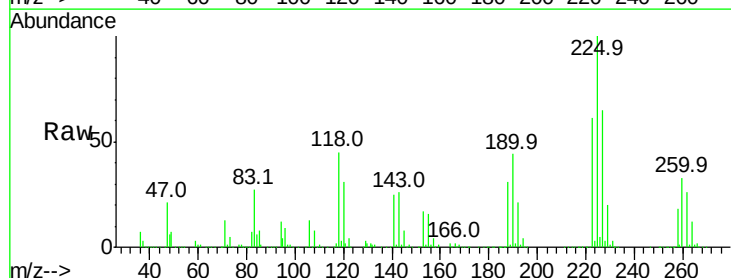
Tgt Ion:225 Resp: 2145030

Ion Ratio Lower Upper

225 100

223 62.2 51.5 77.3

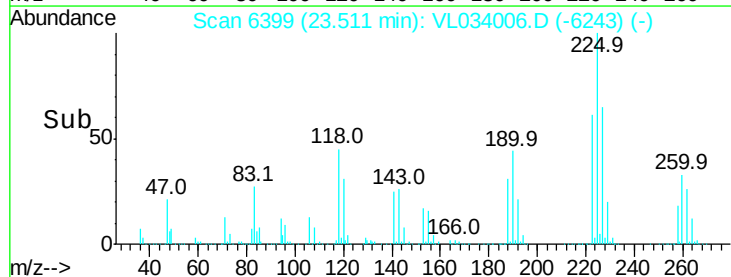
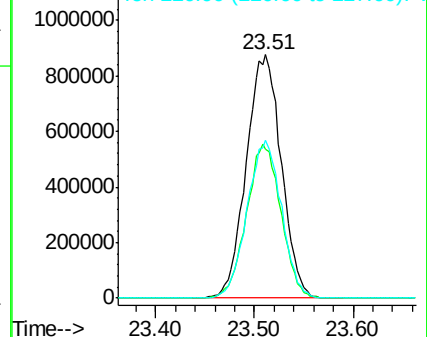
227 63.6 52.1 78.1

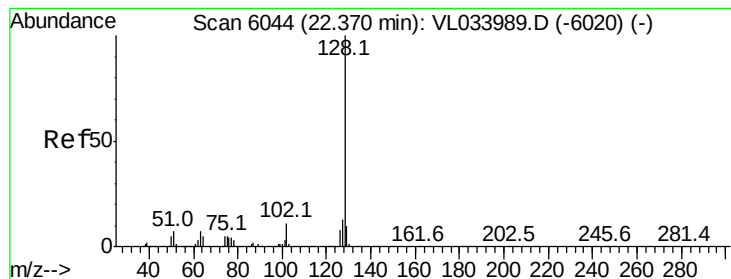


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.498 ppbv

RT: 22.37 min Scan# 6044

Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Instrument :

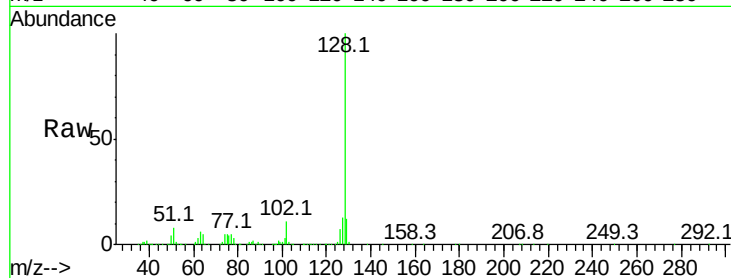
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:128 Resp: 3761441

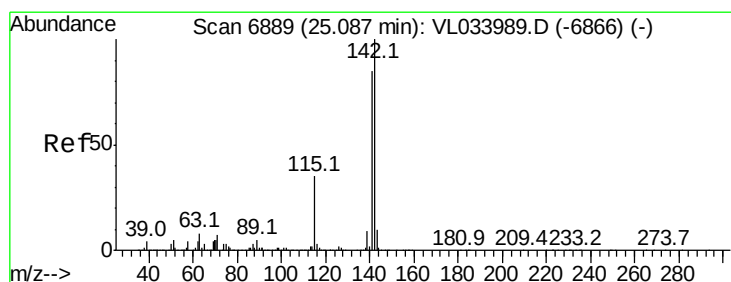
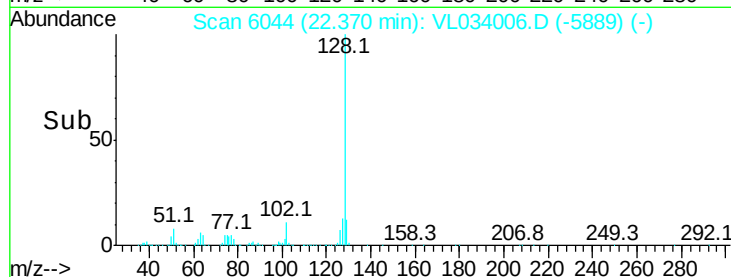
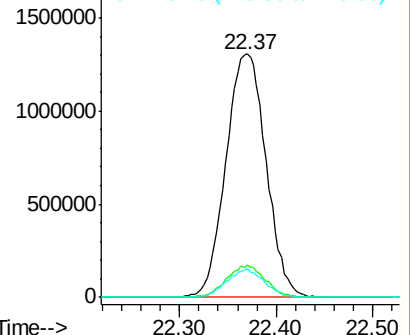
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.6	8.3	12.5



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: 12.437 ppbv

RT: 25.09 min Scan# 6889

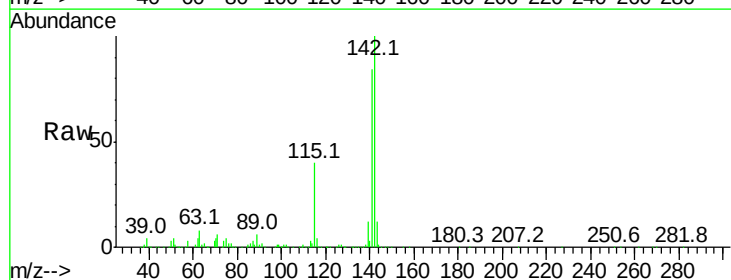
Delta R.T. -0.00 min

Lab File: VL034006.D

Acq: 3 Jul 2019 9:46

Tgt Ion:142 Resp: 2003060

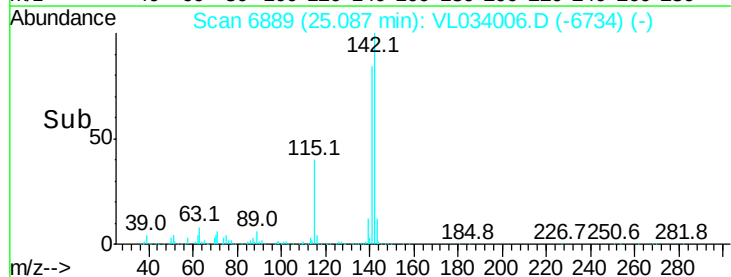
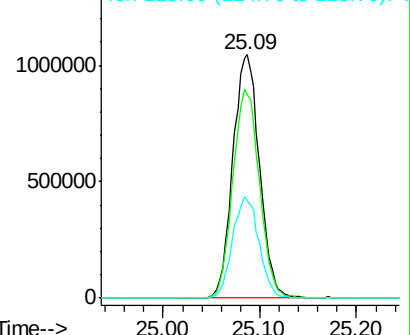
Ion	Ratio	Lower	Upper
142	100		
141	85.9	68.2	102.2
115	41.4	29.9	44.9

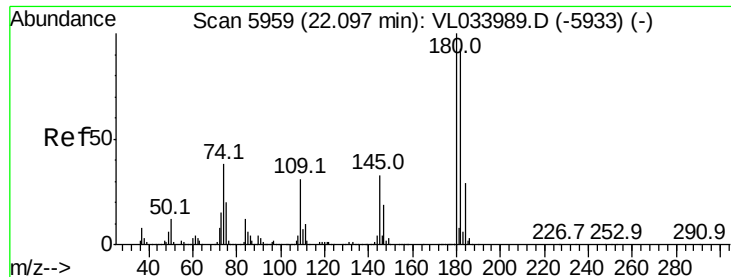


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

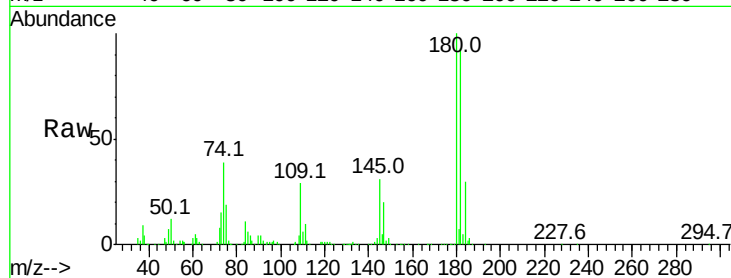




#81
 1,2,4-Trichlorobenzene
 Concen: 7.882 ppbv
 RT: 22.09 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL034006.D
 Acq: 3 Jul 2019 9:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2240439
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 114.8
 184 30.8 24.6 36.8



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

