

Data File : VL034158.D
Acq On : 11 Sep 2019 00:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 11 01:55:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 05 10:21:45 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	641658	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1207807	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1515598	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1038749	8.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1077456	10.180	ppbv	96
3) Chlorodifluoromethane	2.97	51	709259	9.916	ppbv	100
4) Chloromethane	3.13	50	437358	9.781	ppbv	96
5) Vinyl Chloride	3.25	62	389537	9.564	ppbv	99
6) Bromomethane	3.47	94	192458	9.574	ppbv	95
7) Chloroethane	3.56	64	137970	9.942	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	817988	9.602	ppbv	99
9) Propene	3.00	41	374991	9.370	ppbv	98
10) Heptane	8.19	43	976390	9.401	ppbv	100
11) Trichlorofluoromethane	3.95	101	837766	9.706	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	561482	9.724	ppbv	100
13) Ethanol	3.60	45	51260	6.539	ppbv	98
14) Bromoethene	3.74	108	243666	9.747	ppbv	100
15) Acetone	3.85	43	705378	9.121	ppbv	99
16) 1,3-Butadiene	3.32	39	387421	9.892	ppbv	97
17) tert-Butyl alcohol	4.30	59	442711	7.886	ppbv	99
18) 1,1-Dichloroethene	4.30	96	259754	9.846	ppbv	92
19) Isopropyl Alcohol	3.98	45	401044	7.683	ppbv #	99
20) Methylene Chloride	4.36	84	231774	9.065	ppbv	96
21) Allyl Chloride	4.43	41	509792	9.999	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	267609	10.134	ppbv	97
23) Vinyl Acetate	5.10	43	1302281	9.926	ppbv	99
24) 1,1-Dichloroethane	5.04	63	830723	9.540	ppbv	100
25) Ethyl Acetate	5.71	43	1561061	9.196	ppbv	100
26) Hexane	5.72	57	659995	8.745	ppbv	99
27) Carbon Disulfide	4.57	76	698598	10.256	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	1056910	9.558	ppbv	99
29) Chloroform	5.79	83	965036	9.480	ppbv	97
30) Cyclohexane	7.18	84	522922	9.584	ppbv	98
31) cis-1,2-Dichloroethene	5.58	61	703631	9.735	ppbv	96
32) 1,1,1-Trichloroethane	6.56	97	892287	9.278	ppbv	98
34) 2-Butanone	5.28	43	1095529	9.435	ppbv	99
35) Carbon Tetrachloride	7.07	117	871979	9.260	ppbv	97
36) Benzene	6.94	78	1284962	9.307	ppbv	97
37) 1,2-Dichloroethane	6.36	62	810275	9.568	ppbv	99
38) Trichloroethene	7.90	130	402632	7.816	ppbv	95
39) 1,2-Dichloropropane	7.67	63	551063	9.327	ppbv	96
40) 1,4-Dioxane	7.89	88	159231	7.334	ppbv #	96
41) Tetrahydrofuran	6.09	42	666282	9.571	ppbv	98
42) Bromodichloromethane	7.85	83	1049439	9.508	ppbv	98
43) Methyl Methacrylate	8.07	69	542681	9.542	ppbv	95

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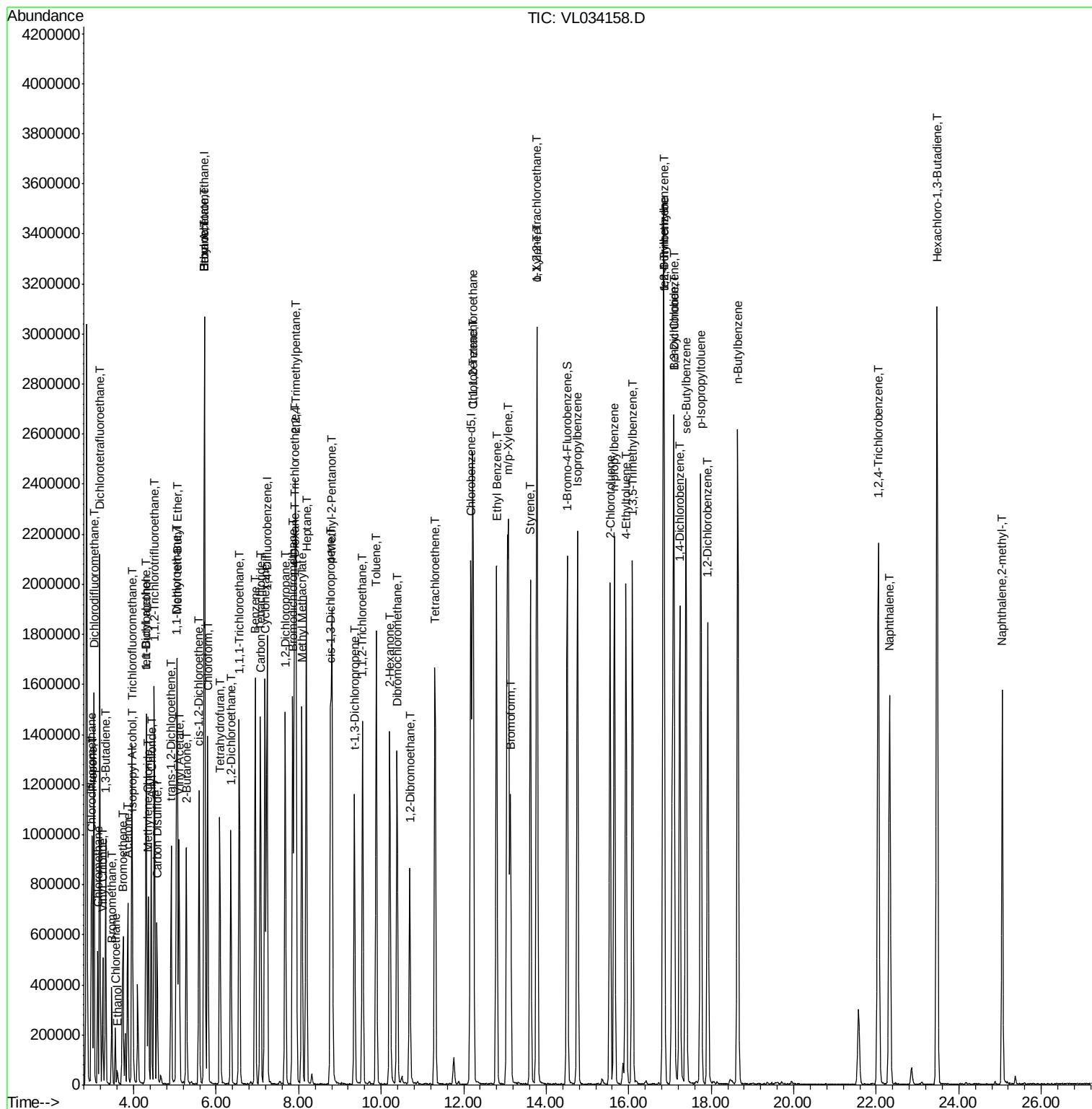
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.93	57	2311646	9.082	ppbv	98
45) t-1,3-Dichloropropene	9.35	75	682862	10.215	ppbv	98
46) cis-1,3-Dichloropropene	8.77	75	797327	9.804	ppbv	99
47) 1,1,2-Trichloroethane	9.55	97	489654	9.097	ppbv	95
48) Dibromochloromethane	10.39	129	785994	9.786	ppbv	96
49) Bromoform	13.14	173	628353	8.924	ppbv	99
50) 4-Methyl-2-Pentanone	8.81	43	1609695	9.085	ppbv	97
51) 2-Hexanone	10.20	43	1382392	9.031	ppbv	98
52) Tetrachloroethene	11.30	164	392800	8.069	ppbv	96
53) Toluene	9.88	91	1415557	9.271	ppbv	97
54) 1,2-Dibromoethane	10.69	107	726617	9.061	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.21	131	501798	7.719	ppbv #	59
57) Chlorobenzene	12.23	112	961565	7.375	ppbv	99
58) Ethyl Benzene	12.80	91	1901970	7.653	ppbv	97
59) m/p-Xylene	13.08	91	1614236	7.962	ppbv #	43
60) o-Xylene	13.78	91	1485481	7.357	ppbv	97
61) Styrene	13.62	104	1144794	7.579	ppbv	99
62) Isopropylbenzene	14.75	105	1924827	7.326	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.77	83	1028680	6.251	ppbv	100
64) n-propylbenzene	15.65	120	484805	7.366	ppbv	85
65) tert-Butylbenzene	16.84	119	1589375	7.010	ppbv	99
66) Benzyl Chloride	17.09	91	663504	7.937	ppbv	97
67) sec-Butylbenzene	17.39	105	1338381	4.105	ppbv #	71
69) p-Isopropyltoluene	17.74	119	1920861	7.363	ppbv	98
70) n-Butylbenzene	18.64	91	2238899	7.543	ppbv	97
71) 2-Chlorotoluene	15.55	91	1572008	7.324	ppbv	99
72) 4-Ethyltoluene	15.93	105	1713735	7.522	ppbv	98
73) 1,3,5-Trimethylbenzene	16.09	105	1626216	7.344	ppbv	97
74) 1,2,4-Trimethylbenzene	16.86	105	1620473	7.107	ppbv	97
75) 1,3-Dichlorobenzene	17.10	146	874420	7.238	ppbv	100
76) 1,4-Dichlorobenzene	17.24	146	922793	7.288	ppbv	99
77) 1,2-Dichlorobenzene	17.92	146	898118	7.262	ppbv	98
78) Hexachloro-1,3-Butadiene	23.47	225	824463	9.771	ppbv	99
79) Naphthalene	22.33	128	1956926	9.494	ppbv	98
80) Naphthalene,2-methyl-	25.06	142	874993	12.229	ppbv	99
81) 1,2,4-Trichlorobenzene	22.05	180	994622	8.868	ppbv	99

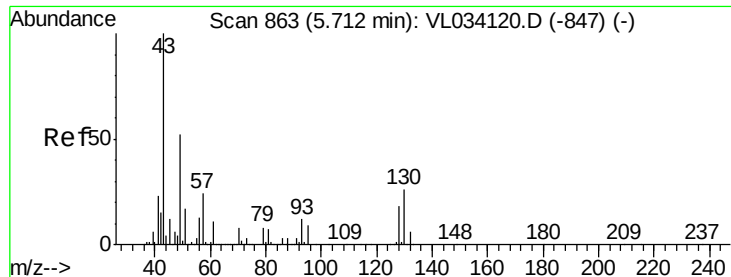
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 908

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

VSTDCCC010EC

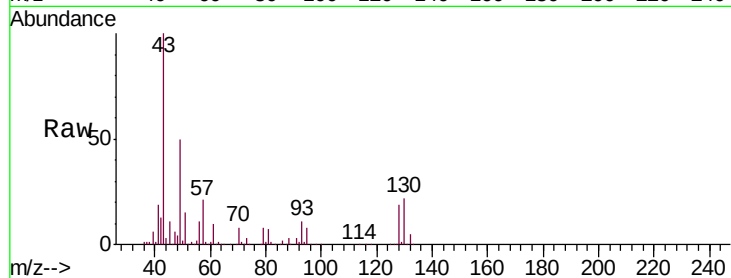
Tgt Ion: 49 Resp: 641658

Ion Ratio Lower Upper

49 100

128 35.8 18.4 55.0

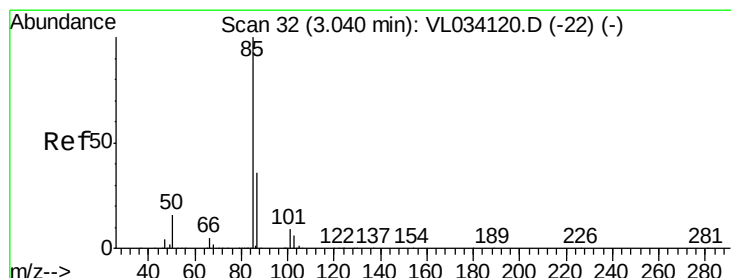
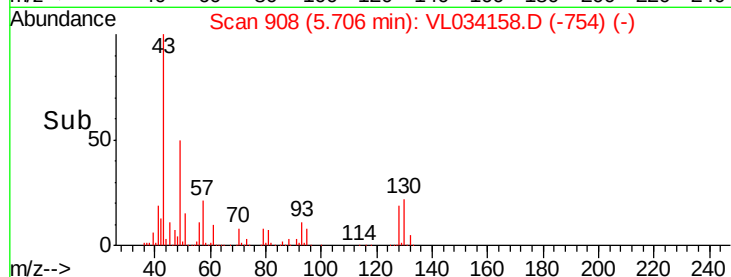
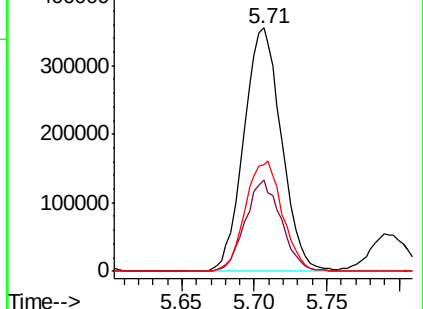
130 45.1 23.5 70.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 10.180 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL034158.D

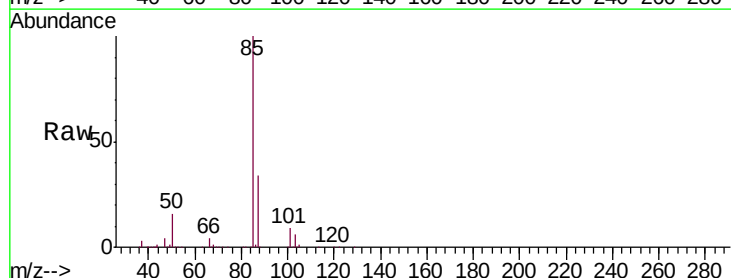
Acq: 11 Sep 2019 00:58

Tgt Ion: 85 Resp: 1077456

Ion Ratio Lower Upper

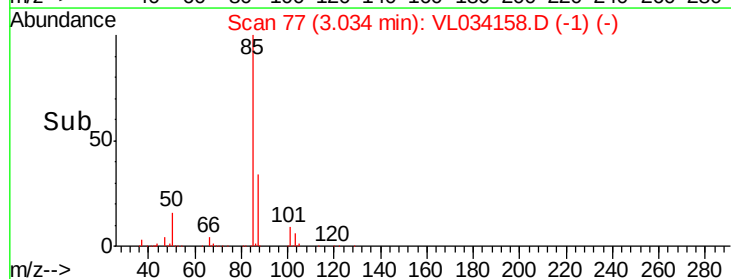
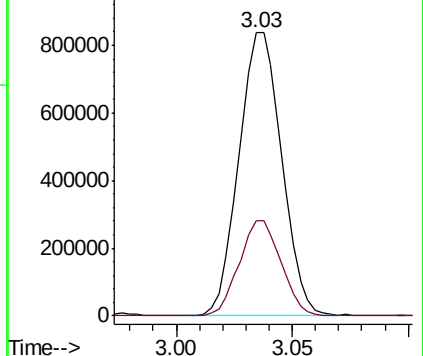
85 100

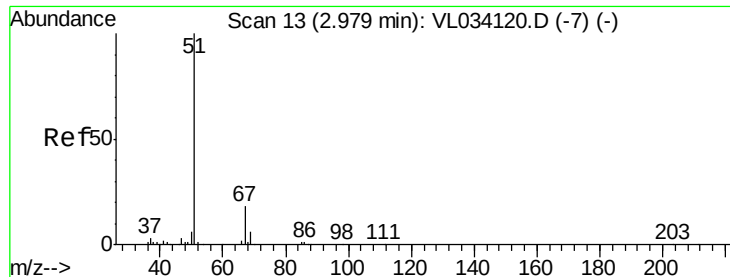
87 33.7 28.6 43.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.916 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

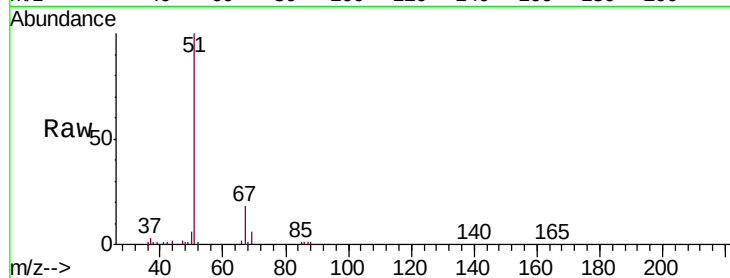
VSTDCCC010EC

Tgt Ion: 51 Resp: 709259

Ion Ratio Lower Upper

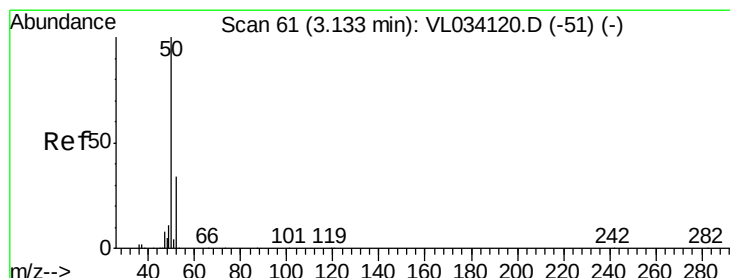
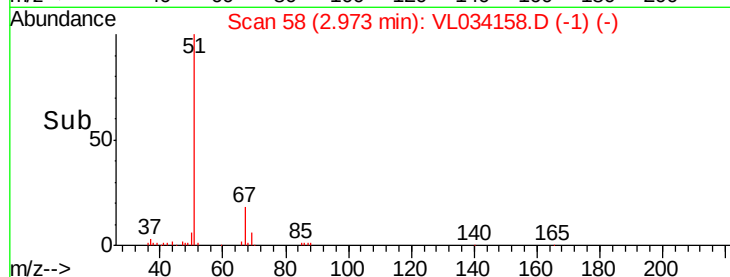
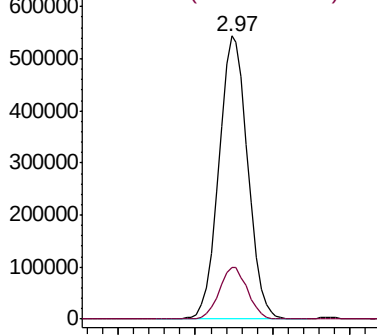
51 100

67 17.9 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.781 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL034158.D

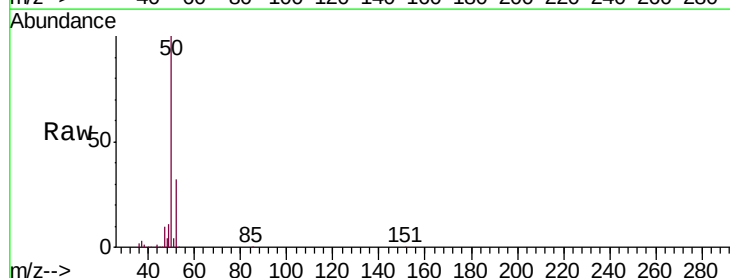
Acq: 11 Sep 2019 00:58

Tgt Ion: 50 Resp: 437358

Ion Ratio Lower Upper

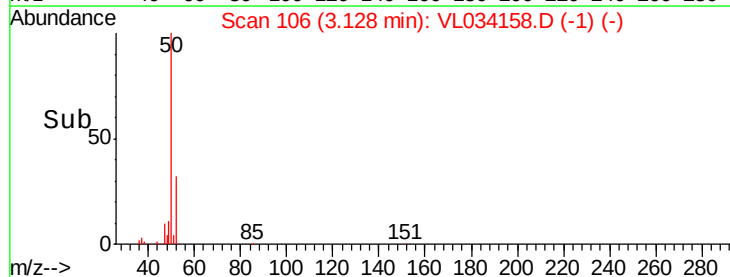
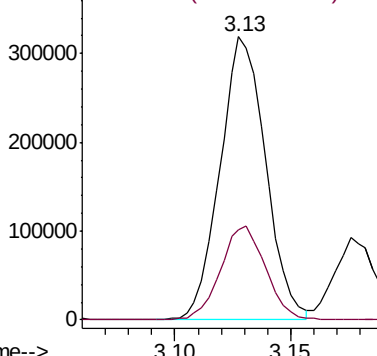
50 100

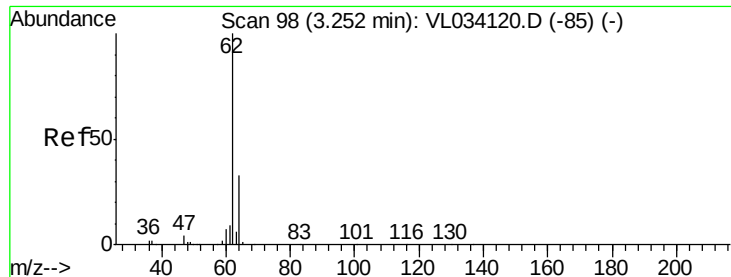
52 31.7 27.4 41.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.564 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

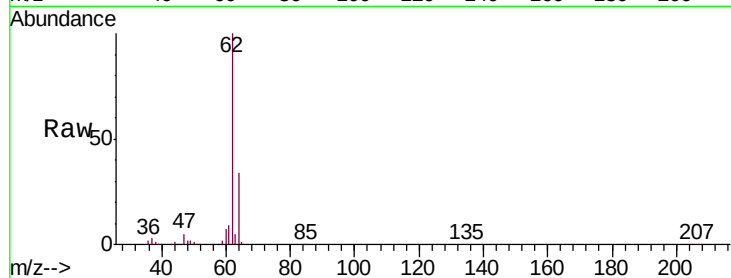
VSTDCCC010EC

Tgt Ion: 62 Resp: 389537

Ion Ratio Lower Upper

62 100

64 33.7 26.6 39.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

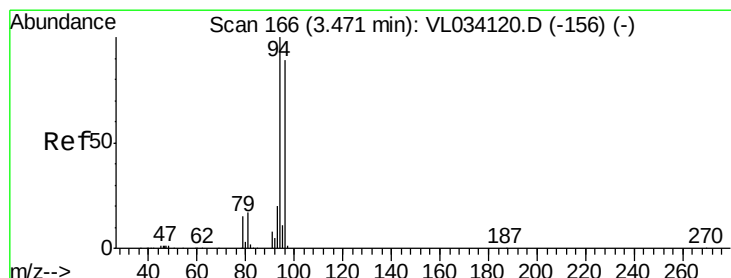
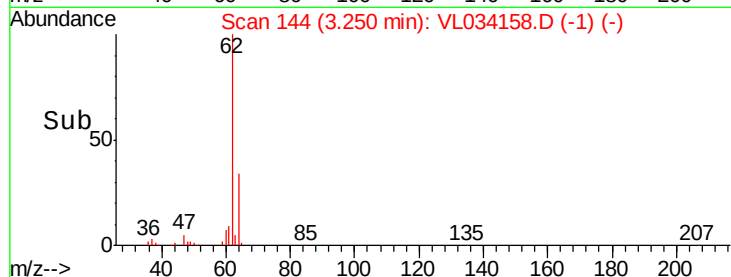
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.574 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL034158.D

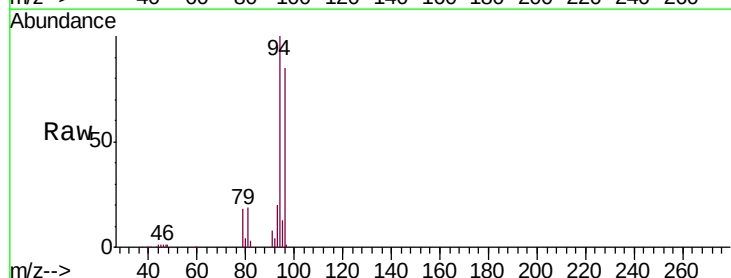
Acq: 11 Sep 2019 00:58

Tgt Ion: 94 Resp: 192458

Ion Ratio Lower Upper

94 100

96 84.8 71.4 107.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

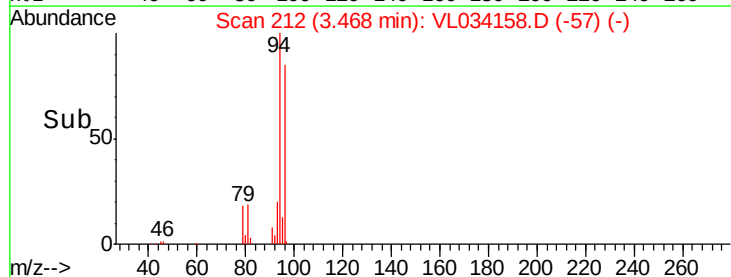
150000

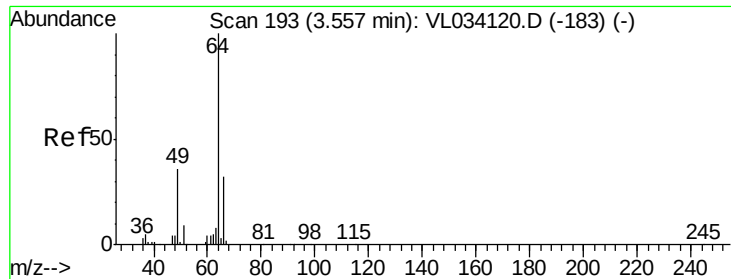
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.942 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

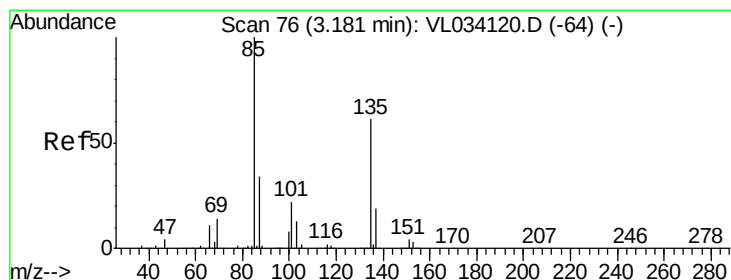
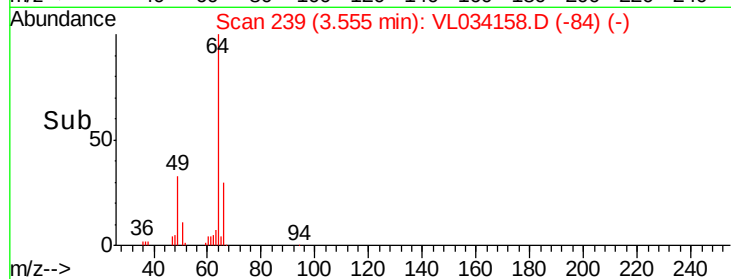
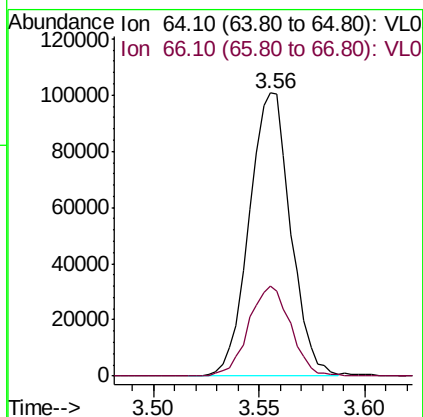
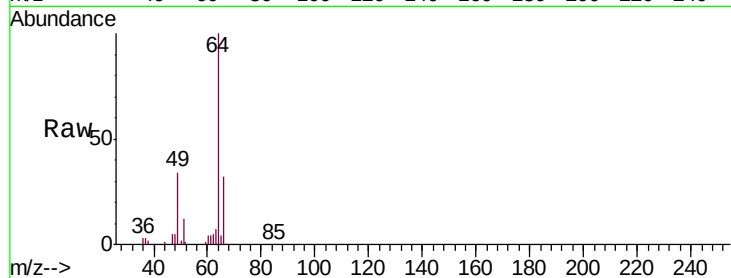
VSTDCCC010EC

Tgt Ion: 64 Resp: 137970

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.602 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL034158.D

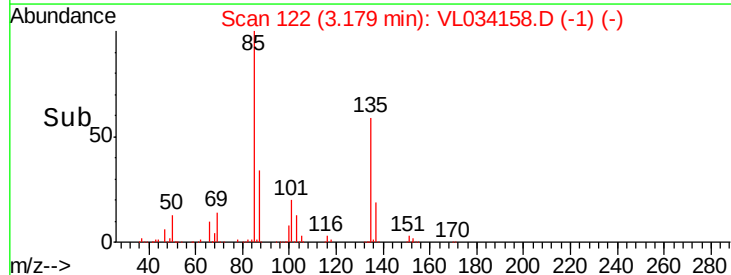
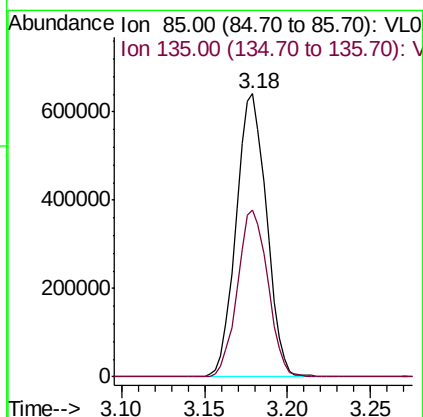
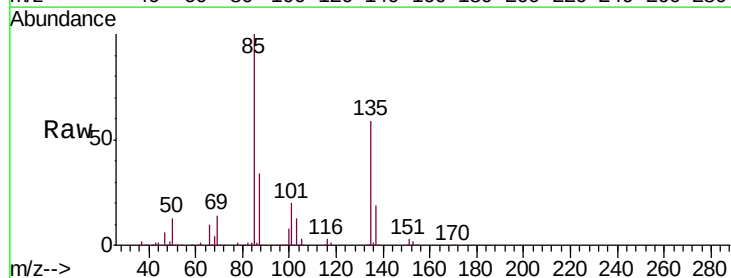
Acq: 11 Sep 2019 00:58

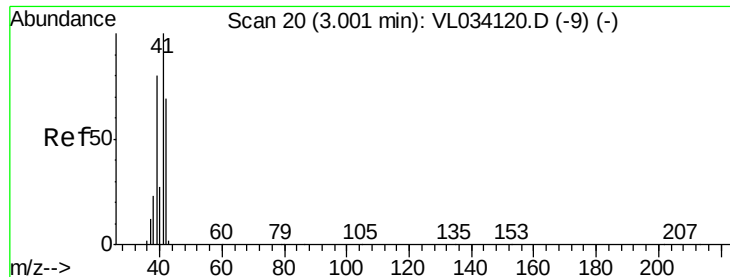
Tgt Ion: 85 Resp: 817988

Ion Ratio Lower Upper

85 100

135 59.1 48.0 72.0





#9

Propene

Concen: 9.370 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL034158.D

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Instrument :

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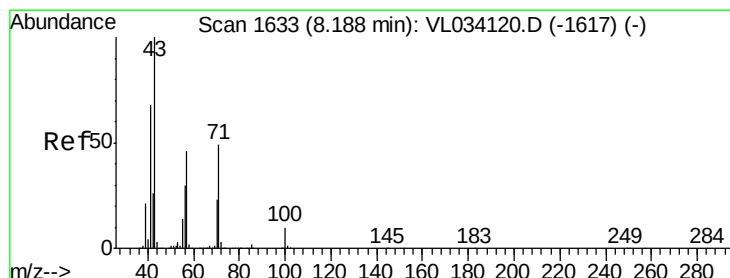
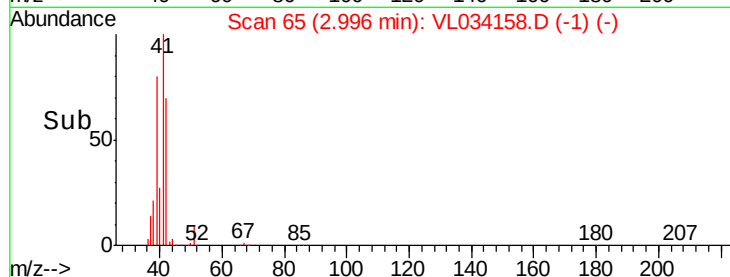
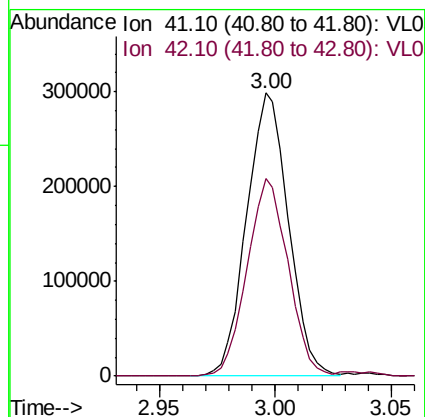
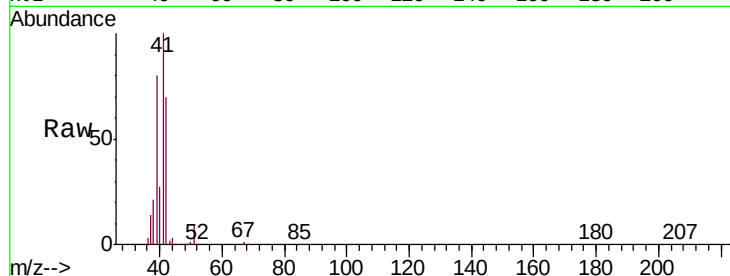
VSTDCCC010EC

Tgt Ion: 41 Resp: 374991

Ion Ratio Lower Upper

41 100

42 69.9 54.6 81.8



#10

Heptane

Concen: 9.401 ppbv

RT: 8.19 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VL034158.D

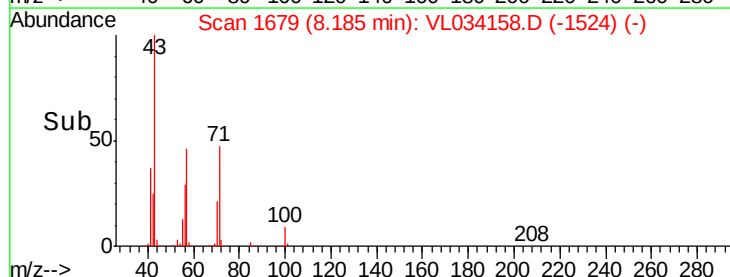
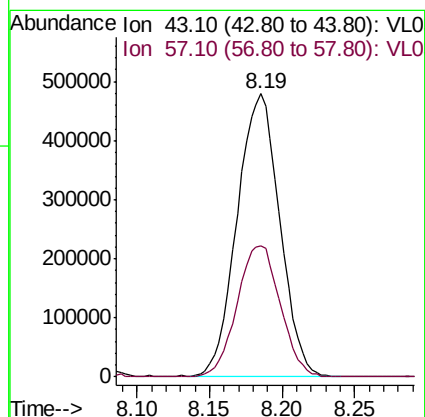
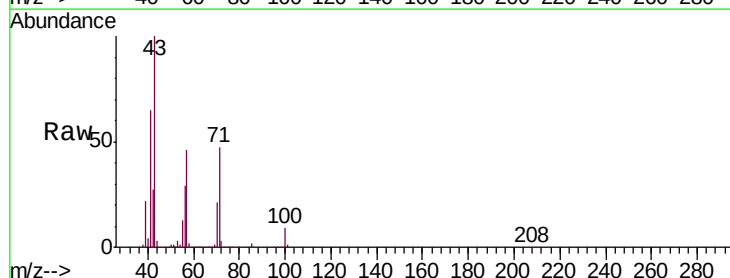
Acq: 11 Sep 2019 00:58

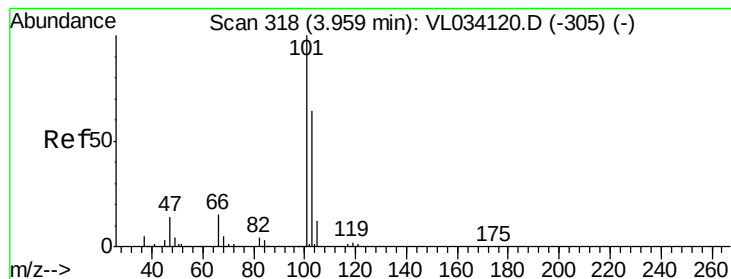
Tgt Ion: 43 Resp: 976390

Ion Ratio Lower Upper

43 100

57 47.3 38.1 57.1





#11

Trichlorofluoromethane

Concen: 9.706 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

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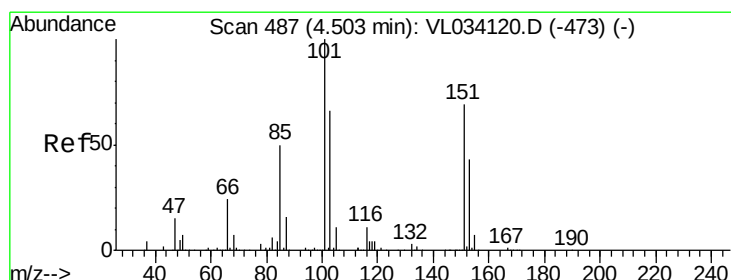
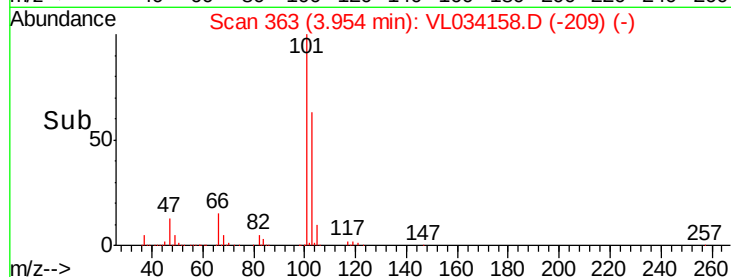
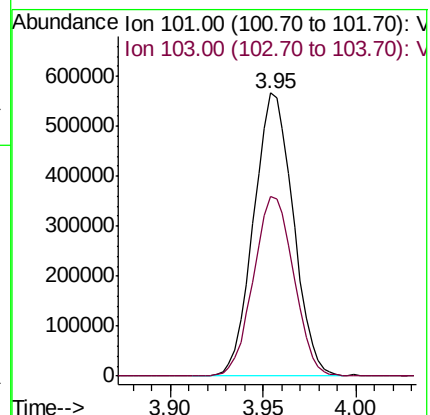
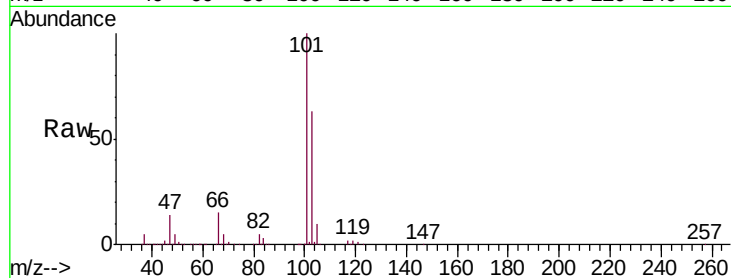
VSTDCCC010EC

Tgt Ion:101 Resp: 837766

Ion Ratio Lower Upper

101 100

103 63.3 51.4 77.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.724 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.00 min

Lab File: VL034158.D

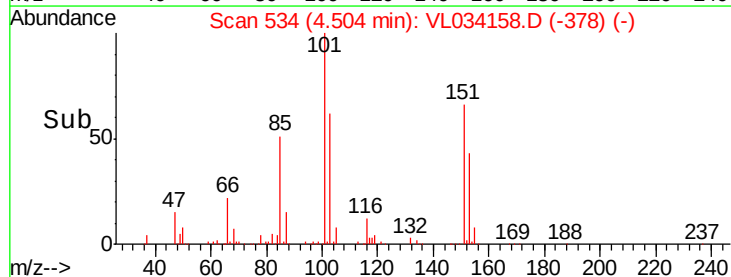
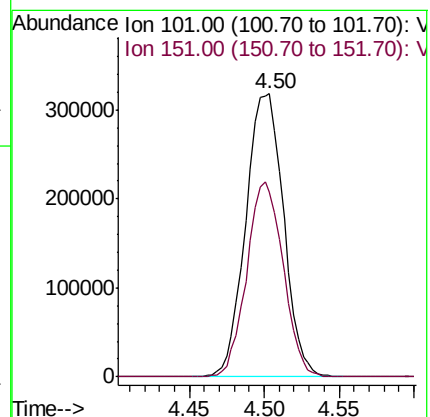
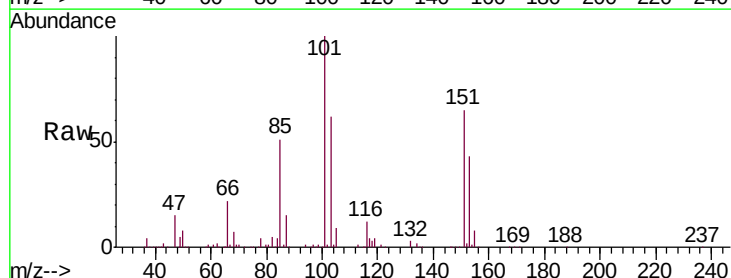
Acq: 11 Sep 2019 00:58

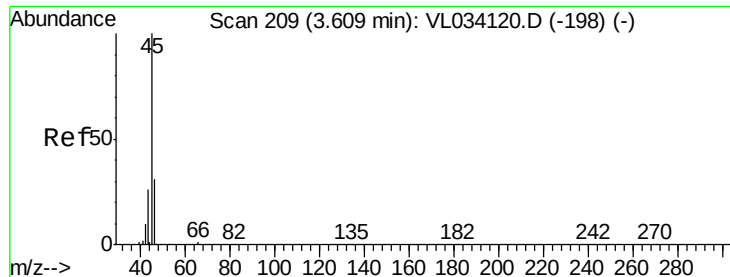
Tgt Ion:101 Resp: 561482

Ion Ratio Lower Upper

101 100

151 66.2 53.0 79.6





#13

Ethanol

Concen: 6.539 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

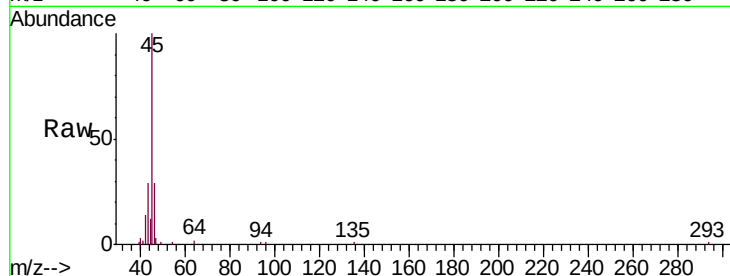
VSTDCCC010EC

Tgt Ion: 45 Resp: 51260

Ion Ratio Lower Upper

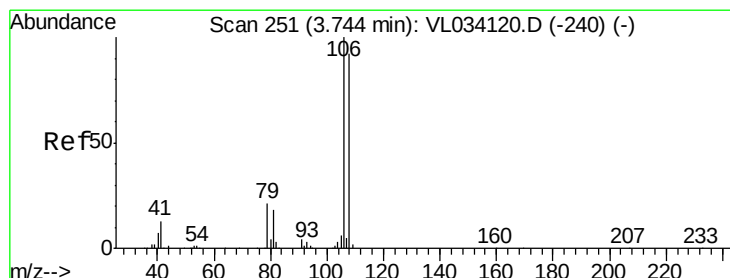
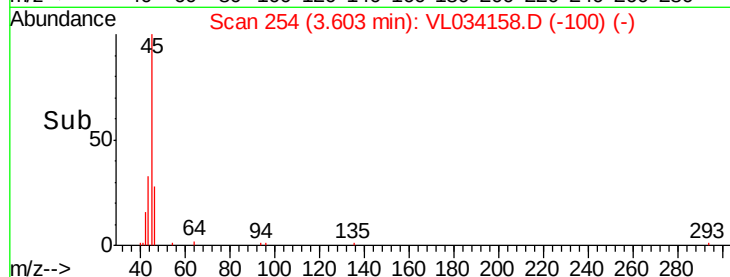
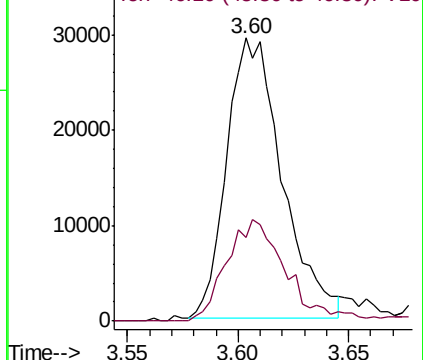
45 100

46 38.9 15.0 60.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.747 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

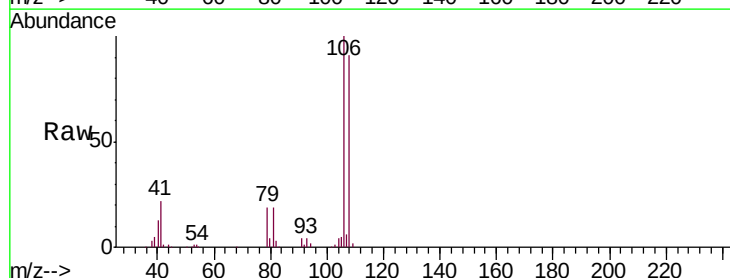
Tgt Ion: 108 Resp: 243666

Ion Ratio Lower Upper

108 100

106 108.7 87.2 130.8

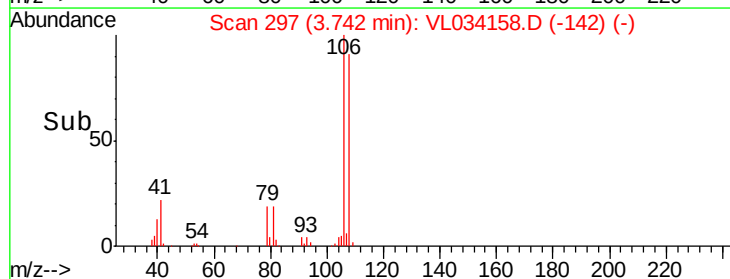
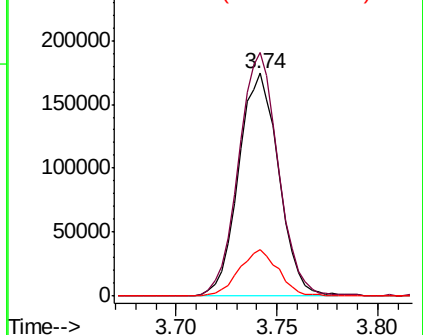
79 20.6 16.5 24.7

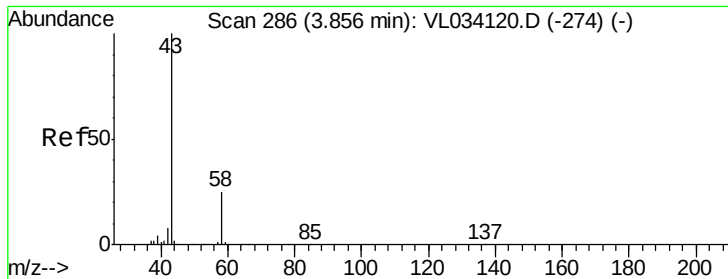


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.121 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

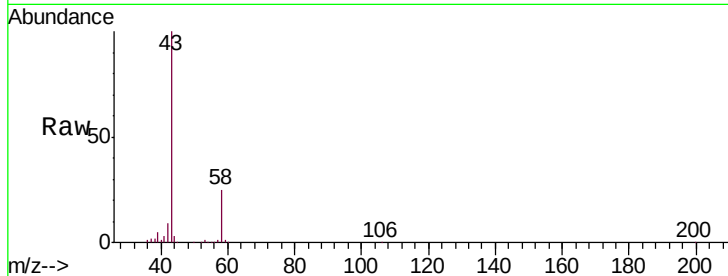
VSTDCCC010EC

Tgt Ion: 43 Resp: 705378

Ion Ratio Lower Upper

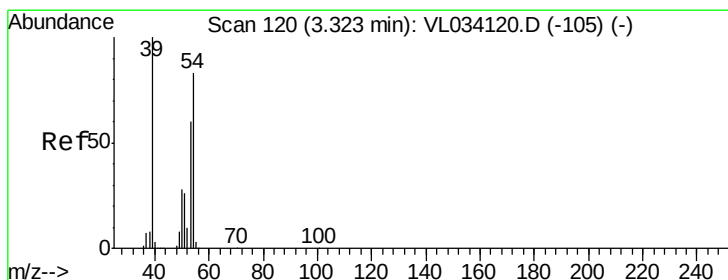
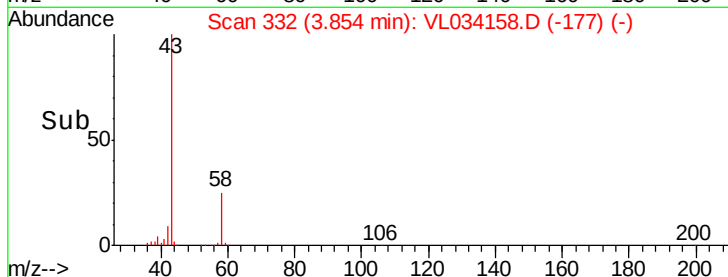
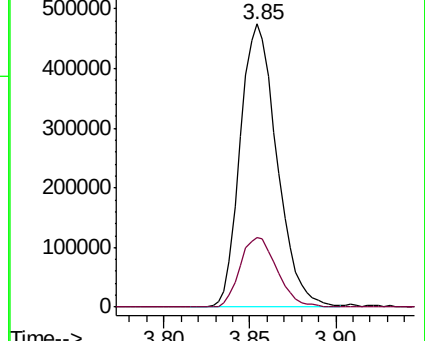
43 100

58 25.1 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.892 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL034158.D

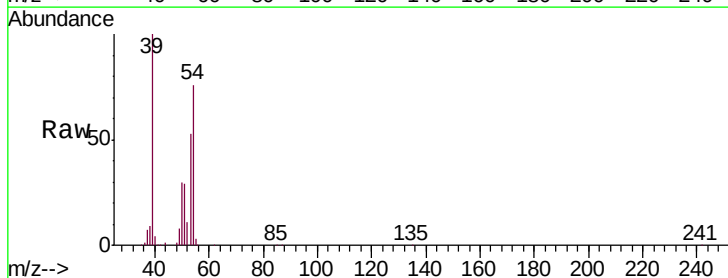
Acq: 11 Sep 2019 00:58

Tgt Ion: 39 Resp: 387421

Ion Ratio Lower Upper

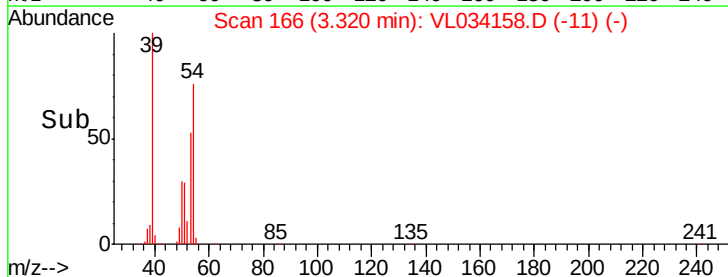
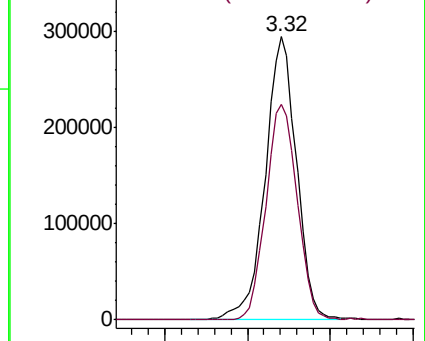
39 100

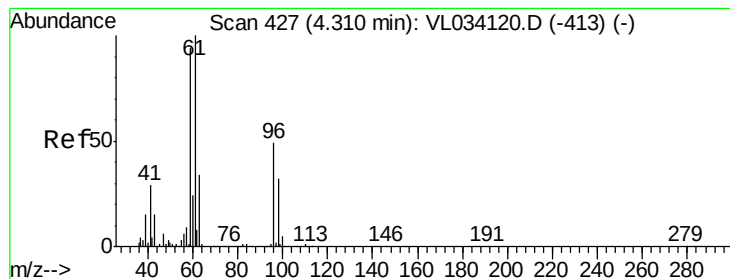
54 76.4 63.5 95.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 7.886 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

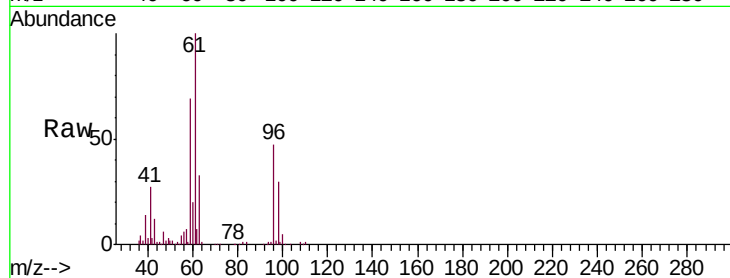
VSTDCCC010EC

Tgt Ion: 59 Resp: 442711

Ion Ratio Lower Upper

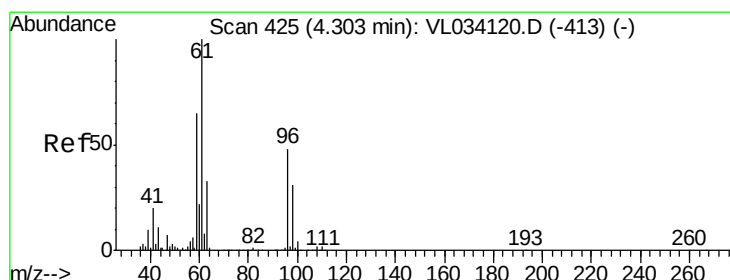
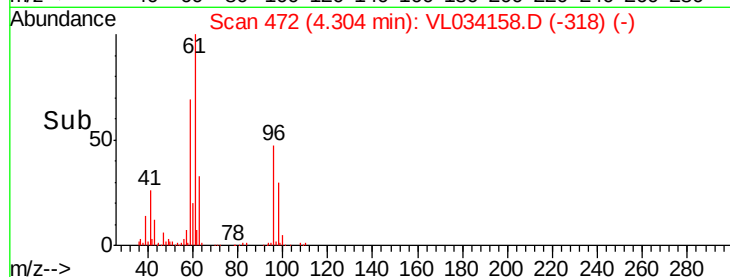
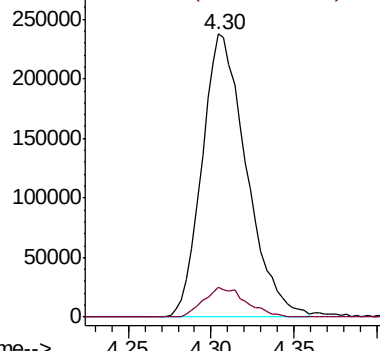
59 100

57 10.2 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.846 ppbv

RT: 4.30 min Scan# 471

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

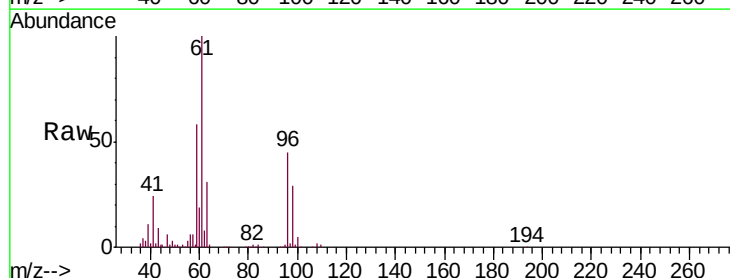
Tgt Ion: 96 Resp: 259754

Ion Ratio Lower Upper

96 100

61 222.7 165.8 248.8

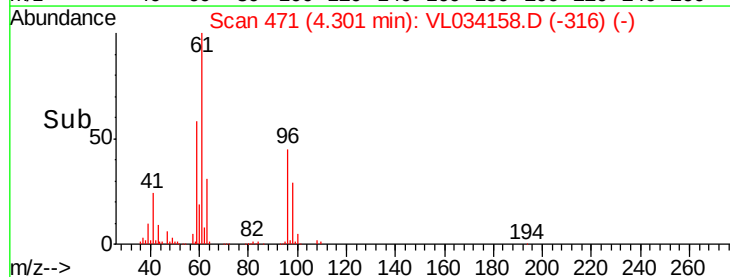
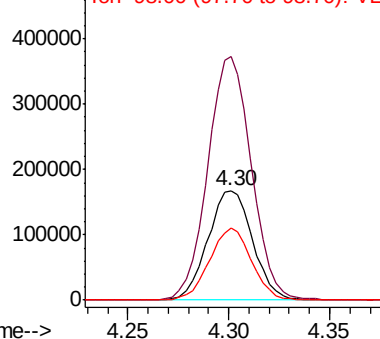
98 65.5 50.8 76.2

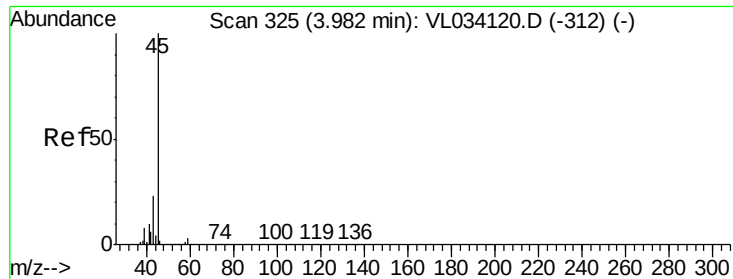


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 7.683 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

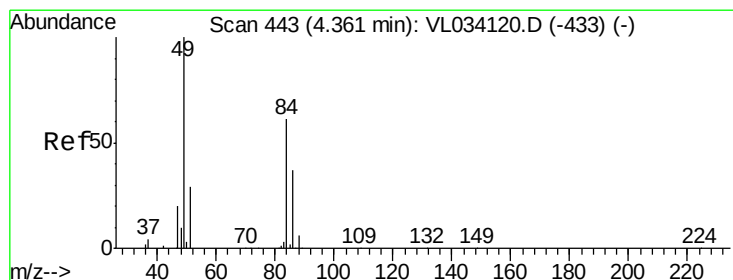
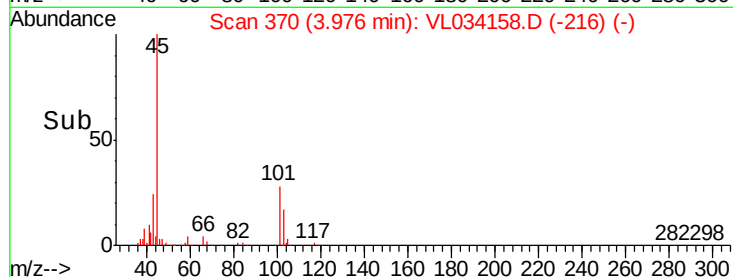
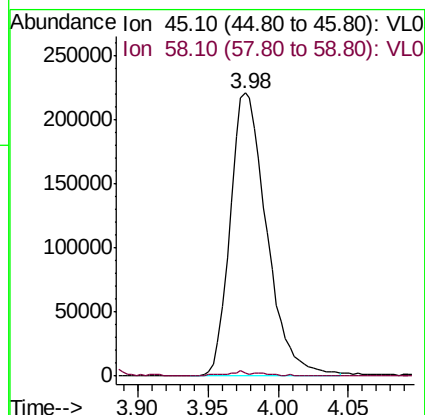
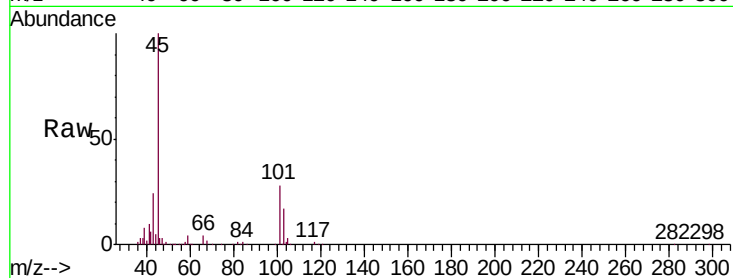
VSTDCCC010EC

Tgt Ion: 45 Resp: 401044

Ion Ratio Lower Upper

45 100

58 1.8 1.0 1.6#



#20

Methylene Chloride

Concen: 9.065 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Tgt Ion: 84 Resp: 231774

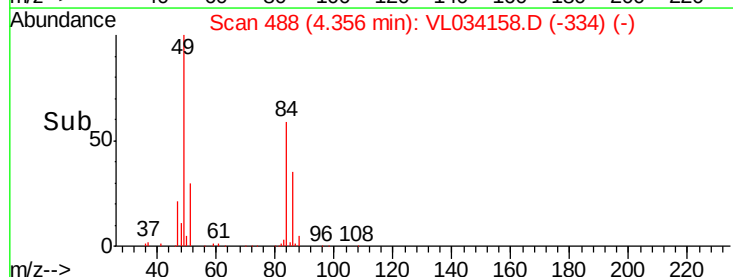
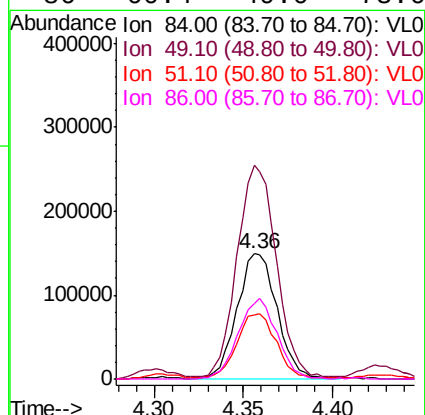
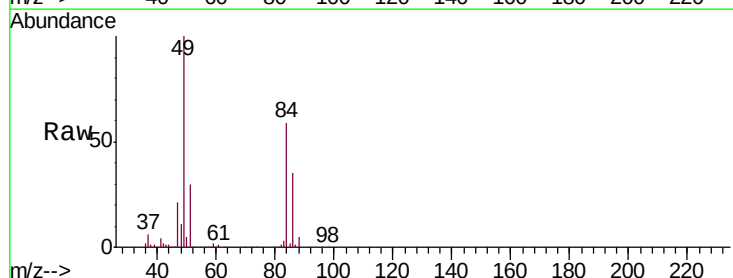
Ion Ratio Lower Upper

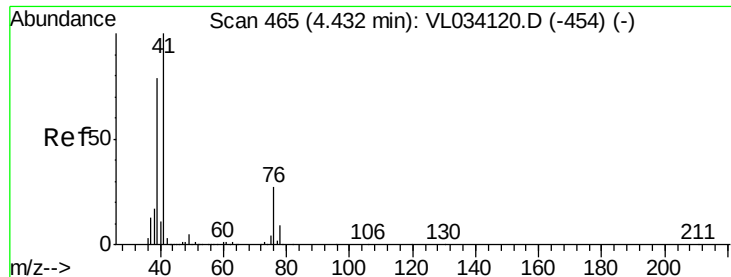
84 100

49 169.5 131.0 196.6

51 51.0 38.1 57.1

86 60.4 49.0 73.6

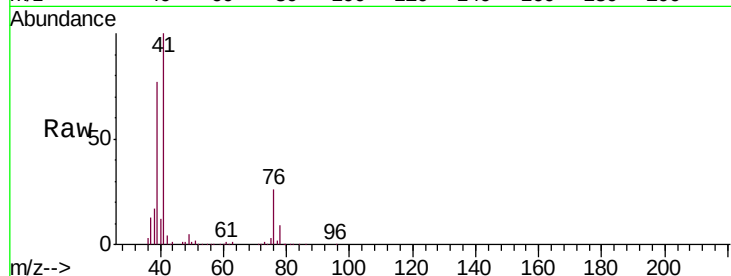




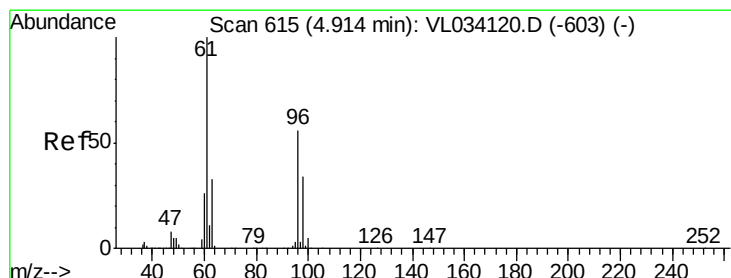
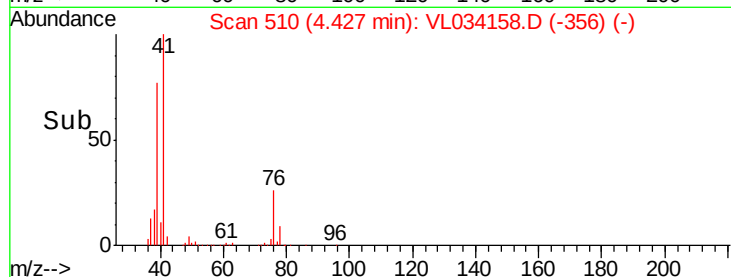
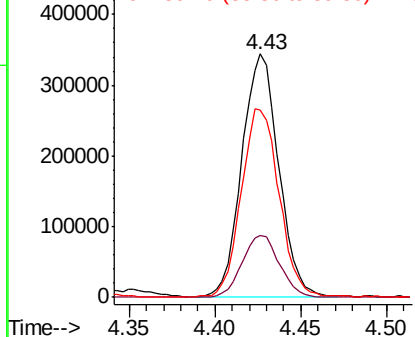
#21
 Allyl Chloride
 Concen: 9.999 ppbv
 RT: 4.43 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 509792
 Ion Ratio Lower Upper
 41 100
 76 26.0 21.6 32.4
 39 80.3 65.0 97.4

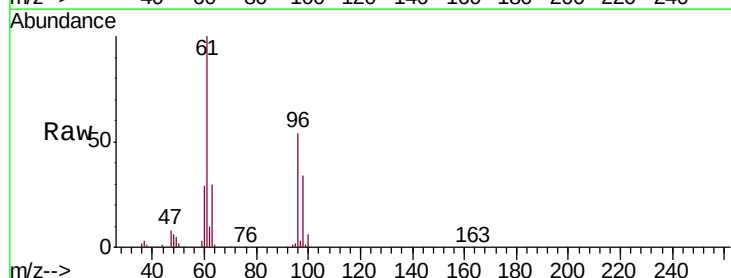


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

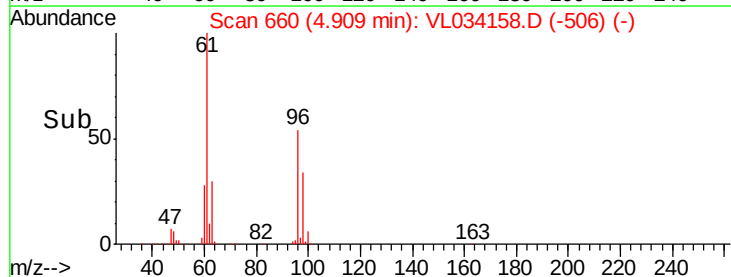
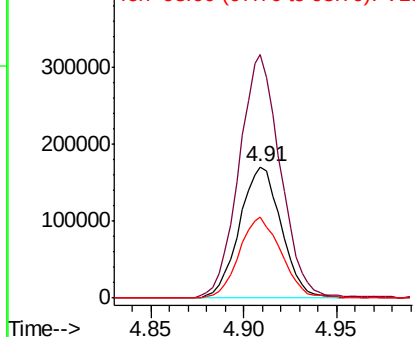


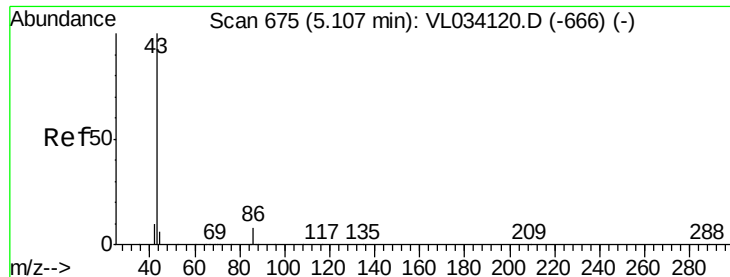
#22
 trans-1,2-Dichloroethene
 Concen: 10.134 ppbv
 RT: 4.91 min Scan# 660
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 96 Resp: 267609
 Ion Ratio Lower Upper
 96 100
 61 184.9 143.1 214.7
 98 62.2 49.0 73.4



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: 9.926 ppbv

RT: 5.10 min Scan# 720

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1302281

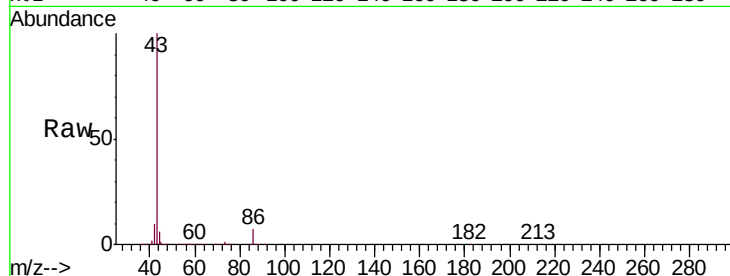
Ion Ratio Lower Upper

43 100

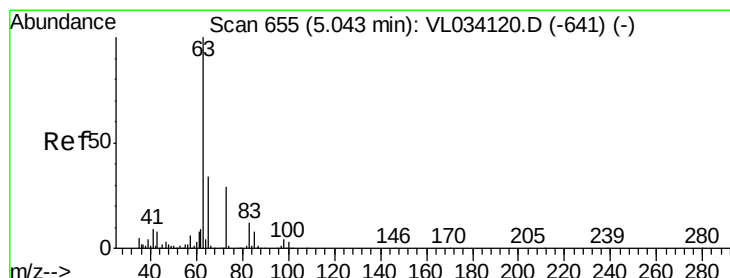
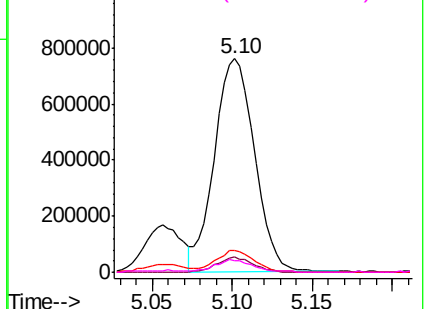
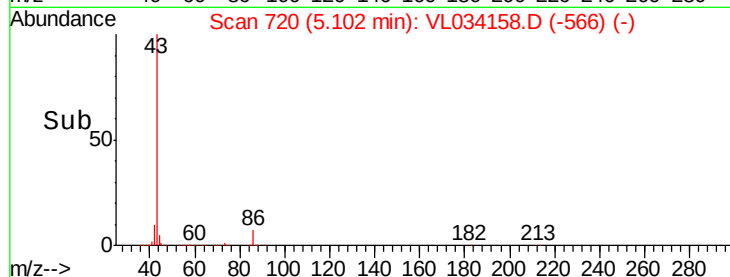
86 7.2 5.5 8.3

42 10.0 8.2 12.4

44 5.4 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: 9.540 ppbv

RT: 5.04 min Scan# 700

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

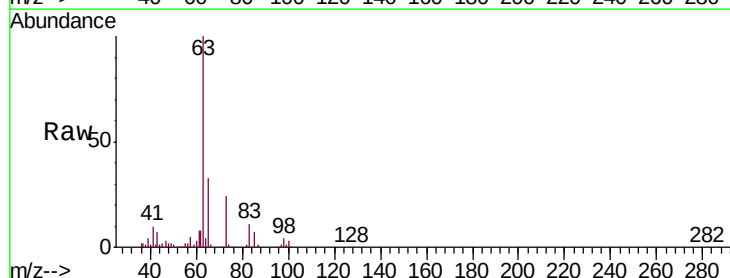
Tgt Ion: 63 Resp: 830723

Ion Ratio Lower Upper

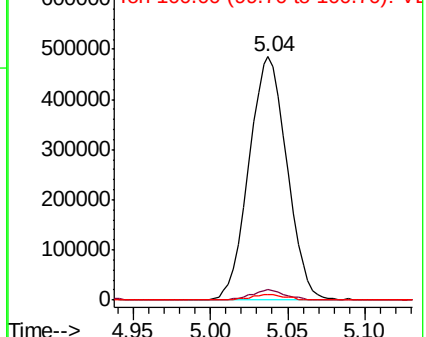
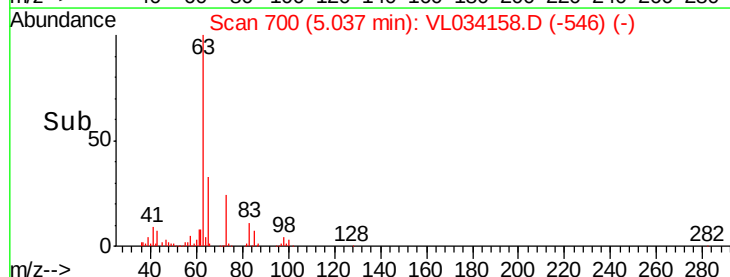
63 100

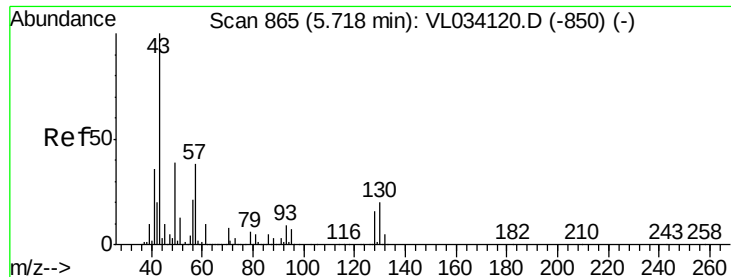
98 4.1 2.1 6.2

100 2.5 1.4 4.0



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



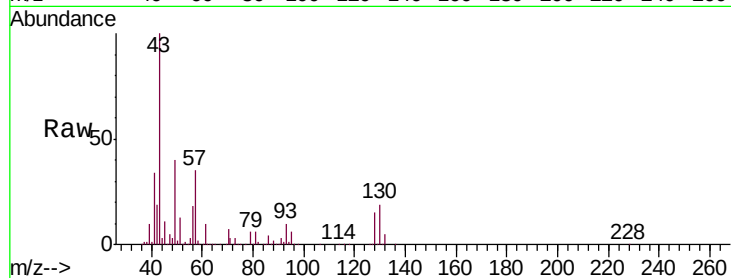


#25
Ethyl Acetate
Concen: 9.196 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

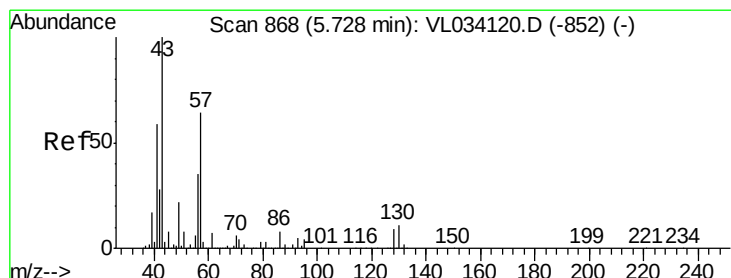
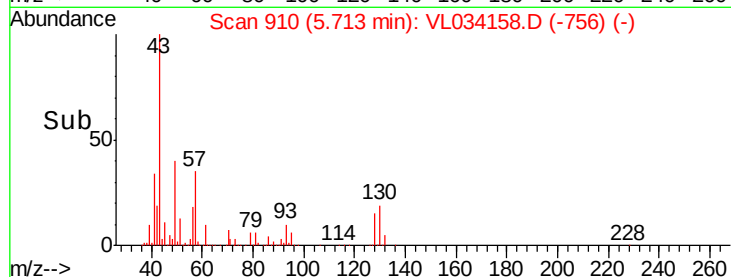
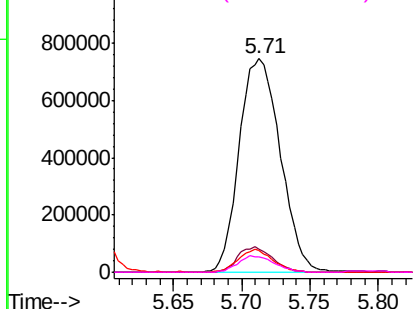
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 1561061

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.2	7.4	11.2
70	6.8	5.6	8.4



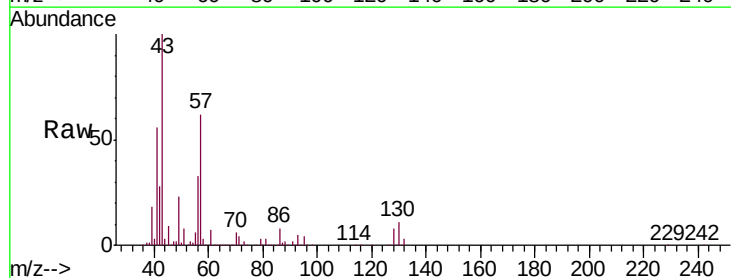
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



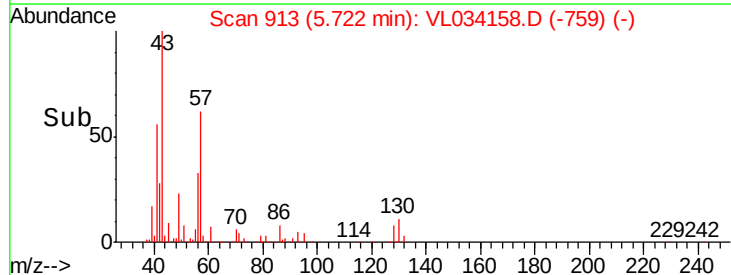
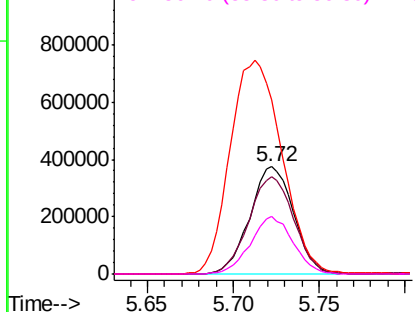
#26
Hexane
Concen: 8.745 ppbv
RT: 5.72 min Scan# 913
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

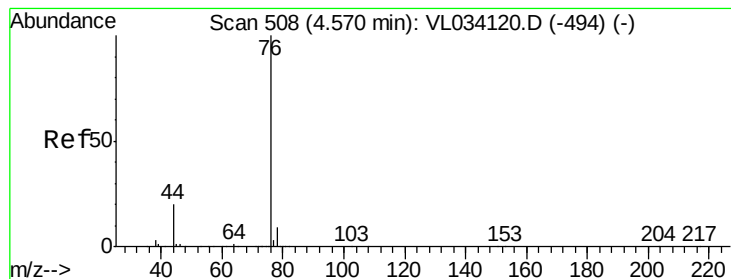
Tgt Ion: 57 Resp: 659995

Ion	Ratio	Lower	Upper
57	100		
41	93.6	76.6	115.0
43	238.2	189.2	283.8
56	52.5	43.0	64.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.256 ppbv

RT: 4.57 min Scan# 554

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

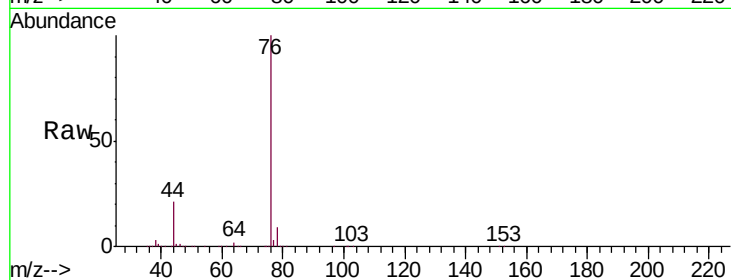
Tgt Ion: 76 Resp: 698598

Ion Ratio Lower Upper

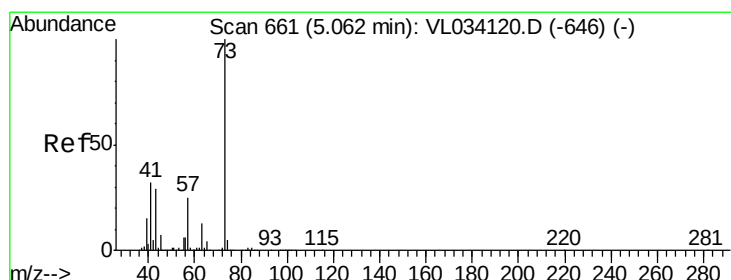
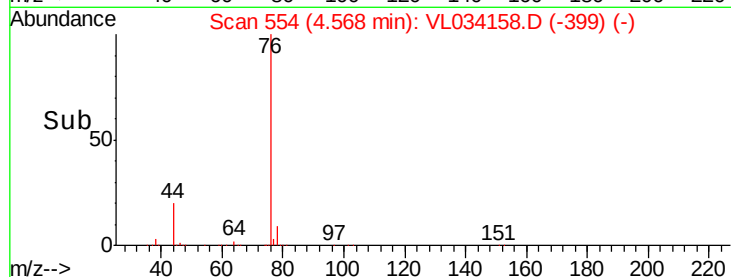
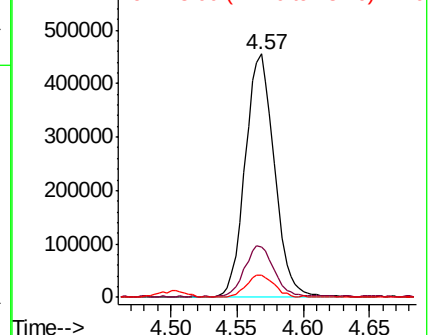
76 100

44 21.4 17.6 26.4

78 9.2 7.3 10.9



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: 9.558 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL034158.D

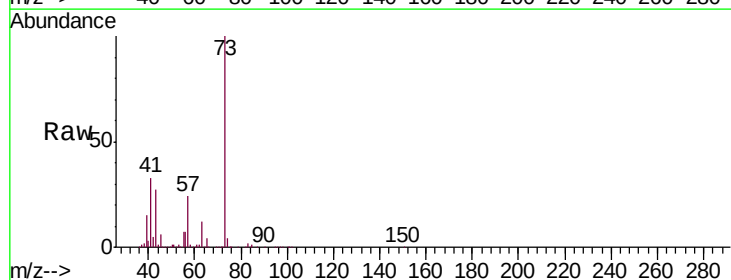
Acq: 11 Sep 2019 00:58

Tgt Ion: 73 Resp: 1056910

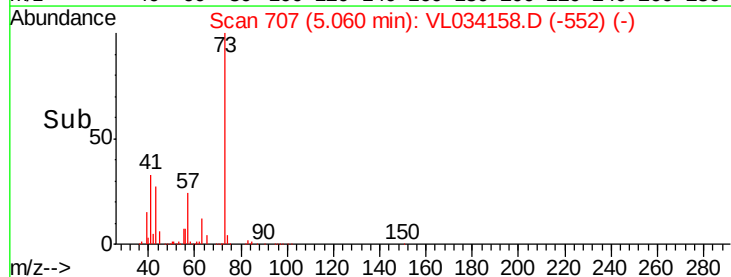
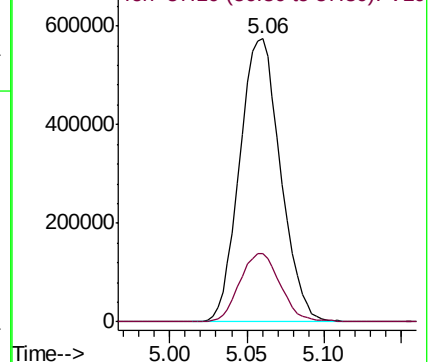
Ion Ratio Lower Upper

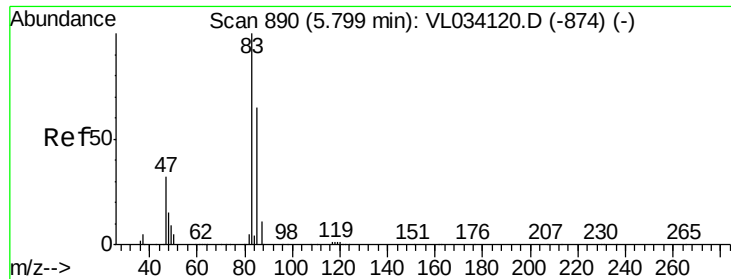
73 100

57 24.1 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.480 ppbv

RT: 5.79 min Scan# 935

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

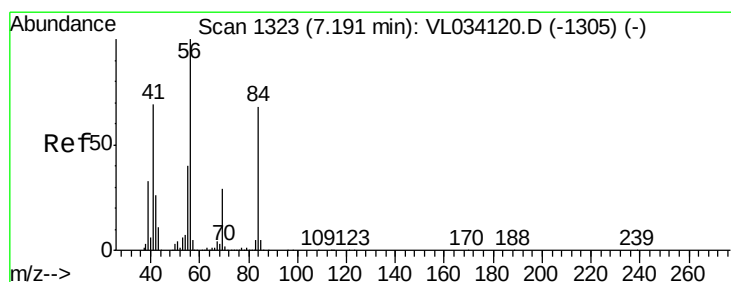
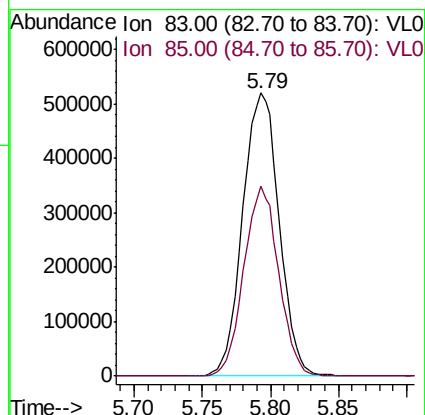
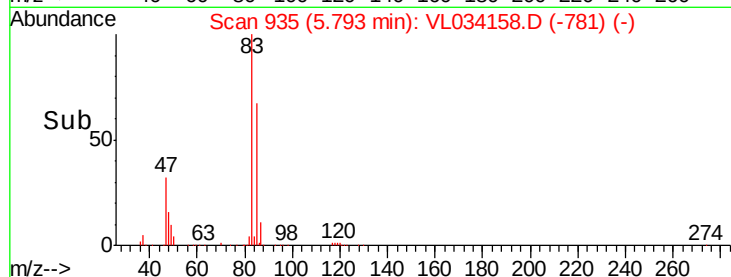
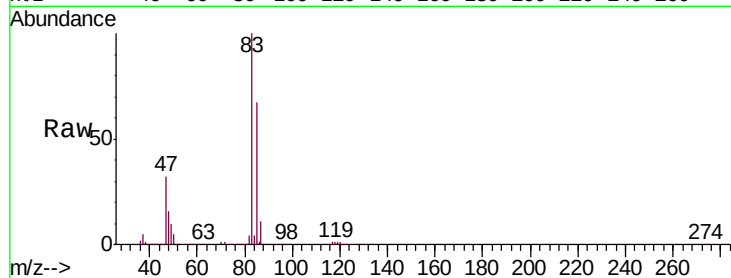
VSTDCCC010EC

Tgt Ion: 83 Resp: 965036

Ion Ratio Lower Upper

83 100

85 67.2 51.8 77.6



#30

Cyclohexane

Concen: 9.584 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

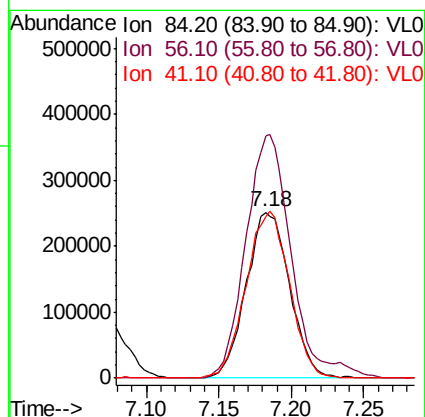
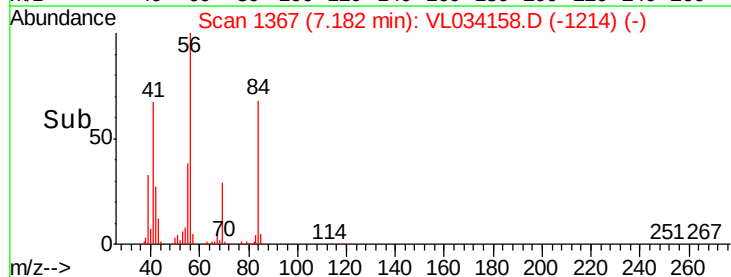
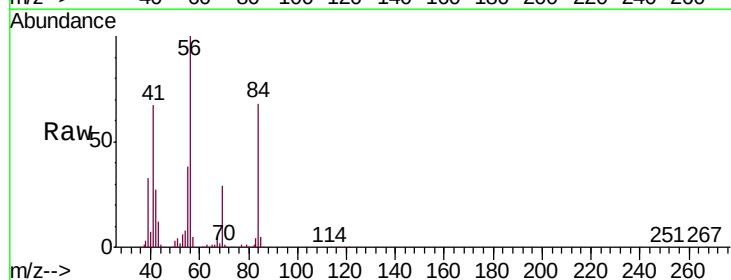
Tgt Ion: 84 Resp: 522922

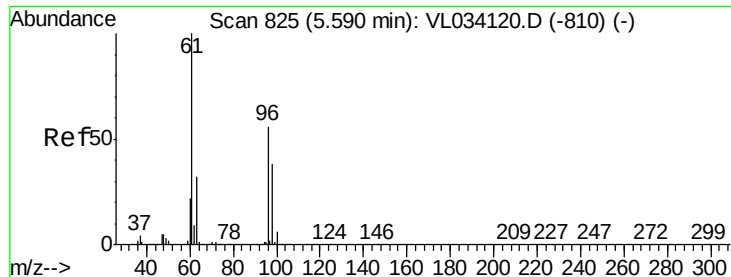
Ion Ratio Lower Upper

84 100

56 155.0 122.6 183.8

41 100.9 79.1 118.7



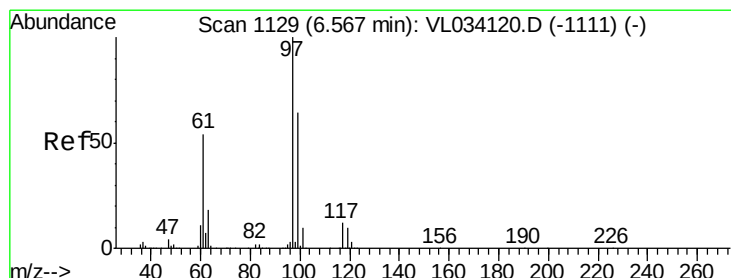
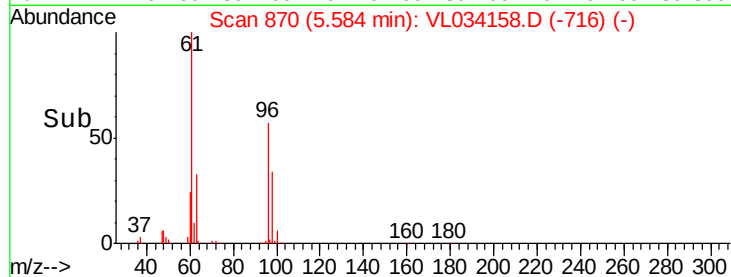
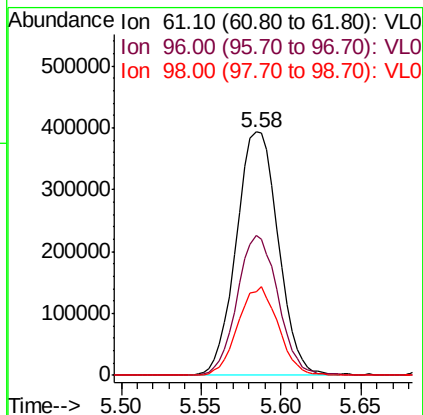
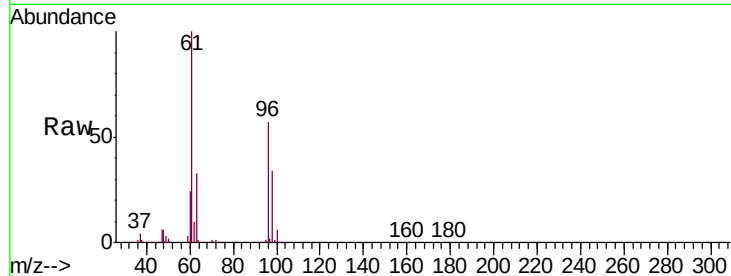


#31

cis-1,2-Dichloroethene
 Concen: 9.735 ppbv
 RT: 5.58 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

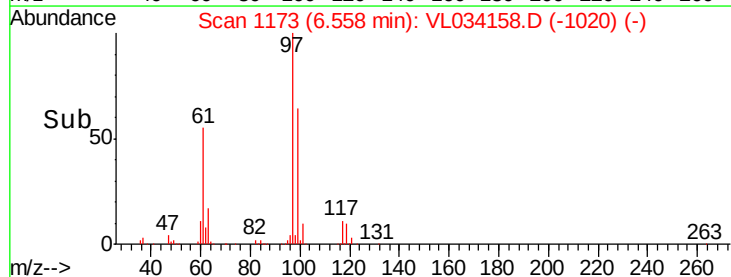
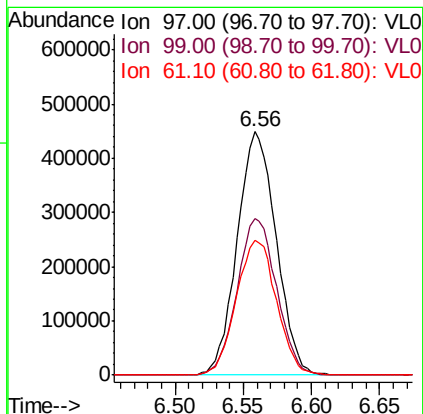
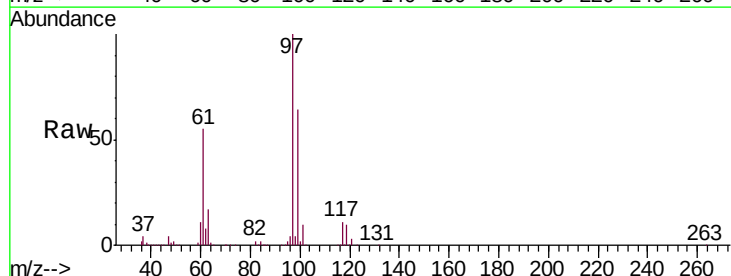
Tgt Ion:	61	Resp:	703631
Ion	Ratio	Lower	Upper
61	100		
96	57.2	44.4	66.6
98	34.3	30.0	45.0

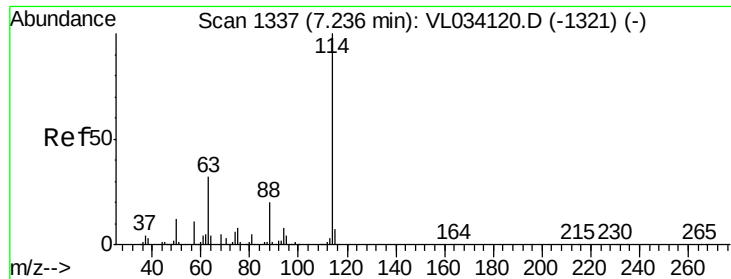


#32

1,1,1-Trichloroethane
 Concen: 9.278 ppbv
 RT: 6.56 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion:	97	Resp:	892287
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	57.3	44.0	66.0

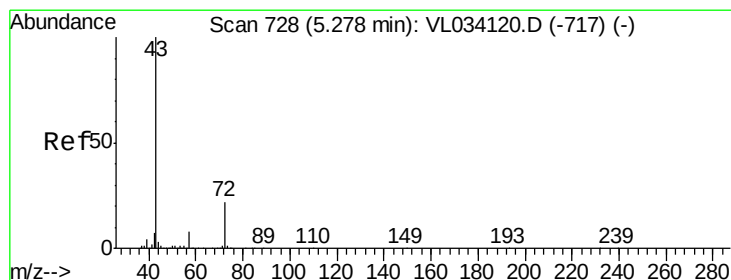
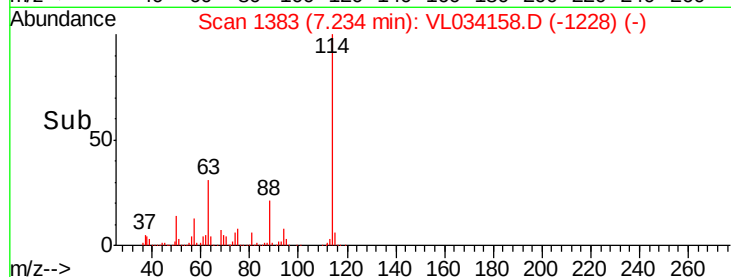
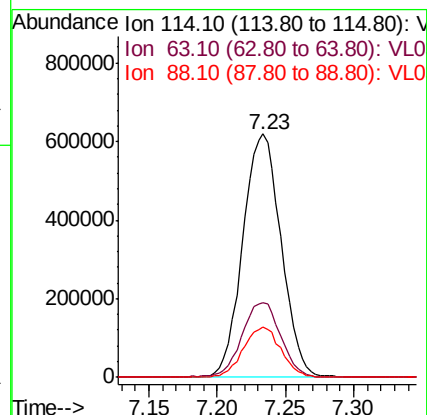
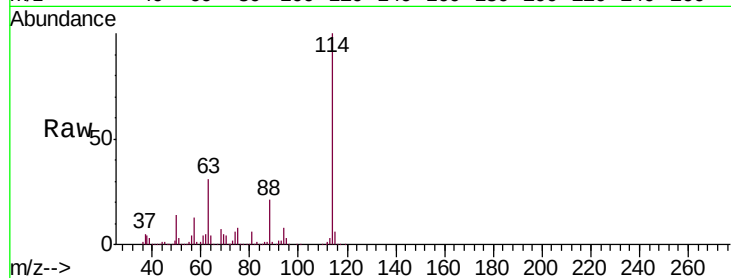




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

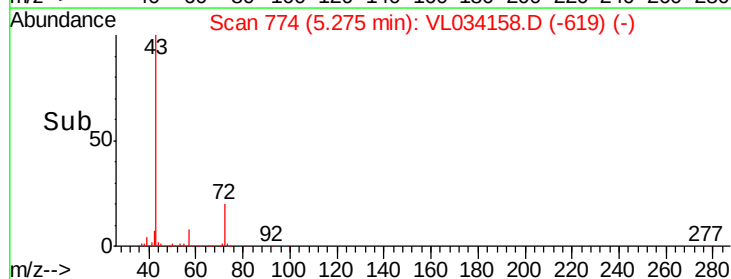
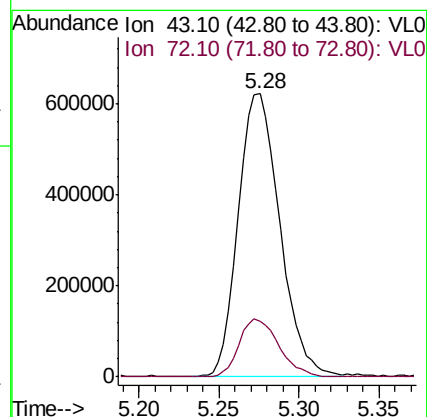
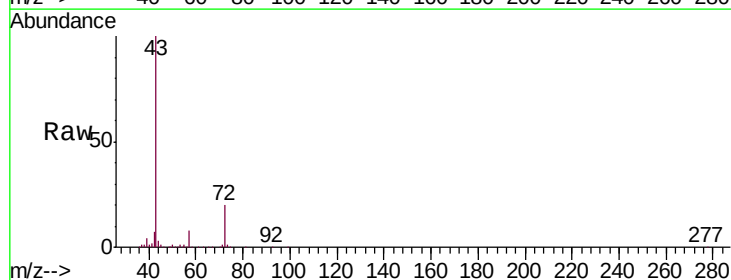
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

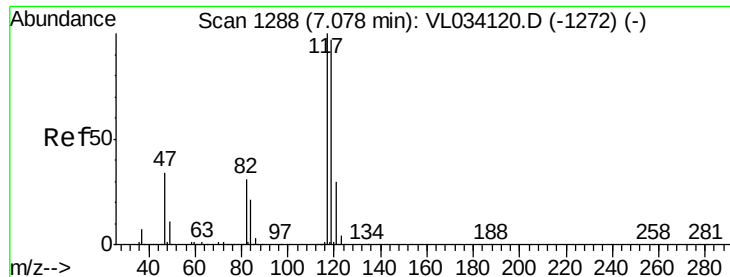
Tgt Ion: 114 Resp: 1207807
 Ion Ratio Lower Upper
 114 100
 63 31.5 25.5 38.3
 88 20.3 16.8 25.2



#34
 2-Butanone
 Concen: 9.435 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 43 Resp: 1095529
 Ion Ratio Lower Upper
 43 100
 72 20.0 16.5 24.7





#35

Carbon Tetrachloride

Concen: 9.260 ppbv

RT: 7.07 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

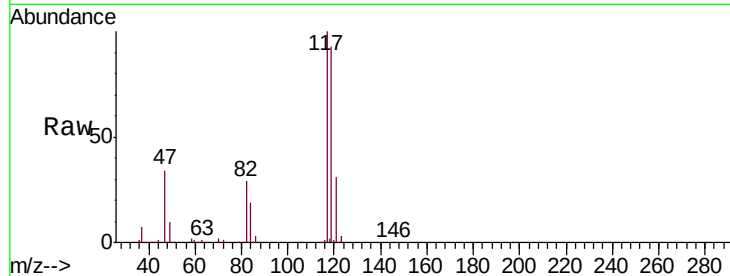
Tgt Ion: 117 Resp: 871979

Ion Ratio Lower Upper

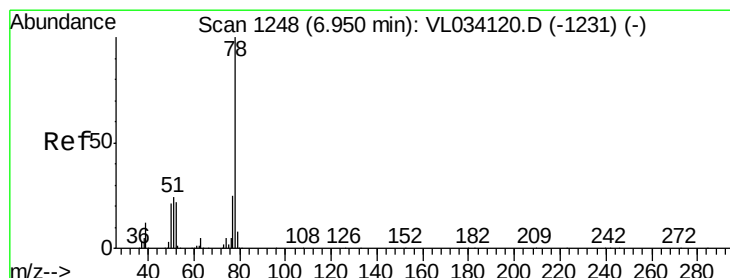
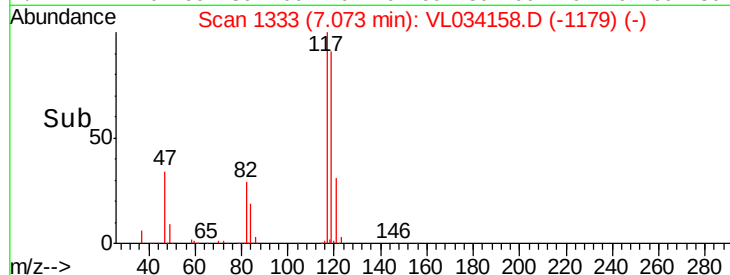
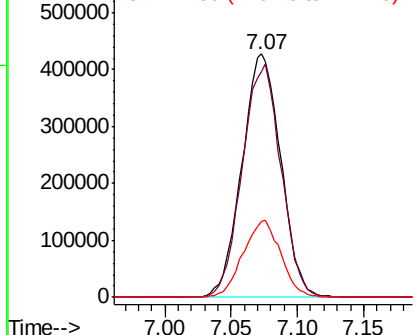
117 100

119 92.7 77.2 115.8

121 31.0 24.2 36.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.307 ppbv

RT: 6.94 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

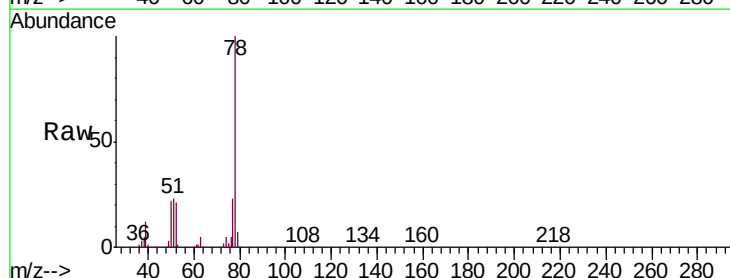
Tgt Ion: 78 Resp: 1284962

Ion Ratio Lower Upper

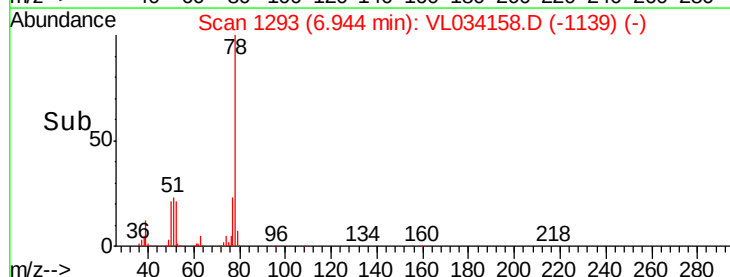
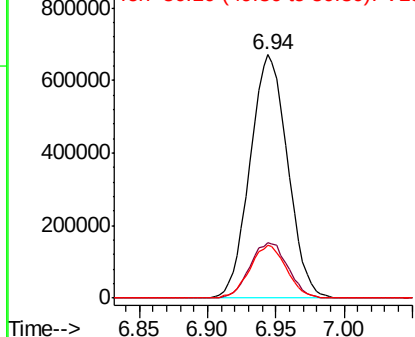
78 100

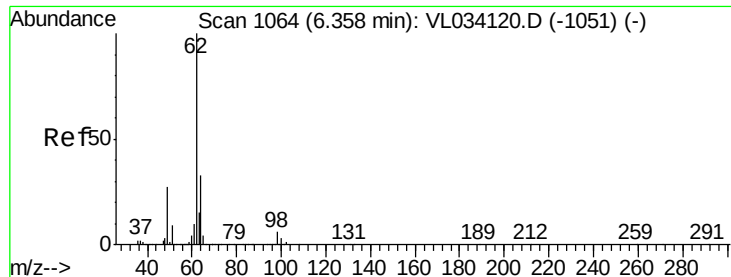
77 22.9 20.3 30.5

50 21.5 16.9 25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

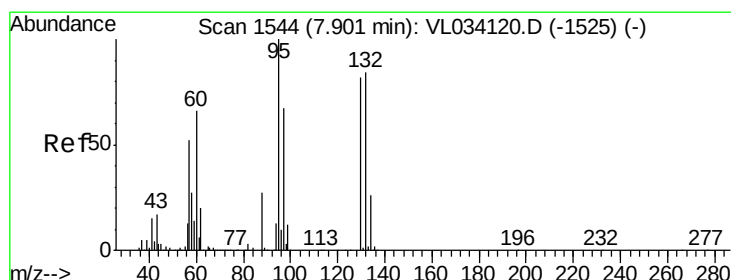
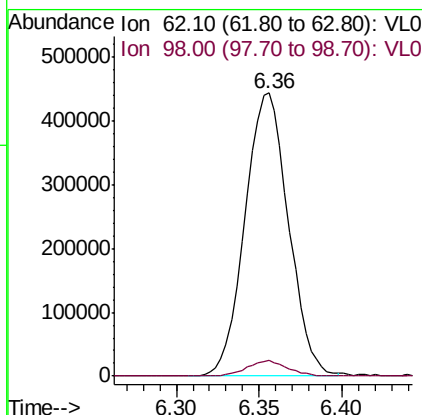
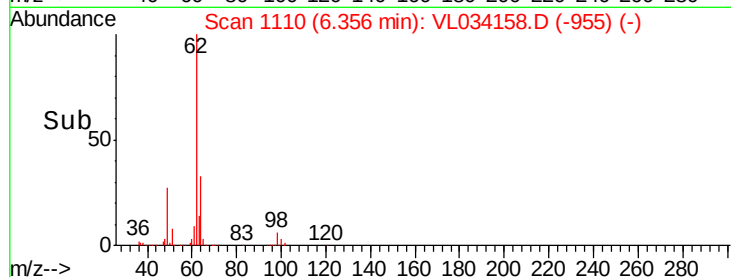
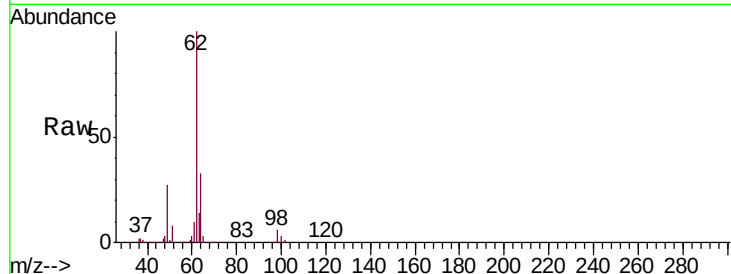




#37
 1,2-Dichloroethane
 Concen: 9.568 ppbv
 RT: 6.36 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

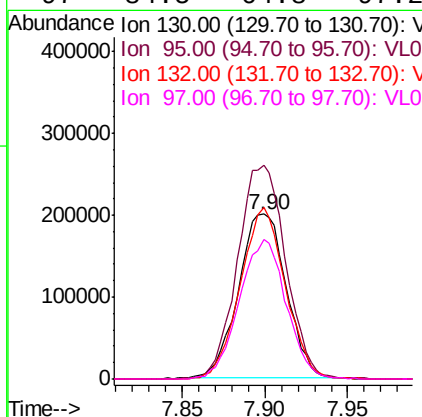
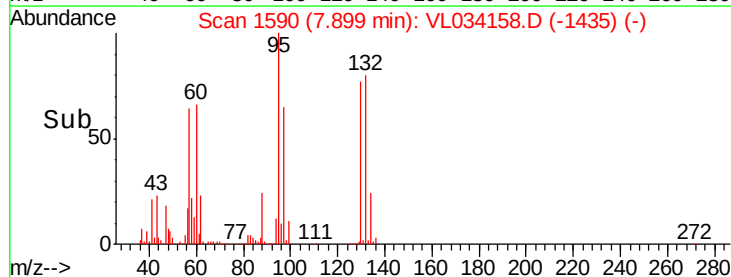
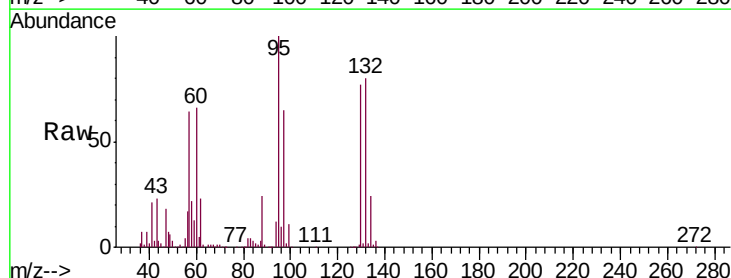
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

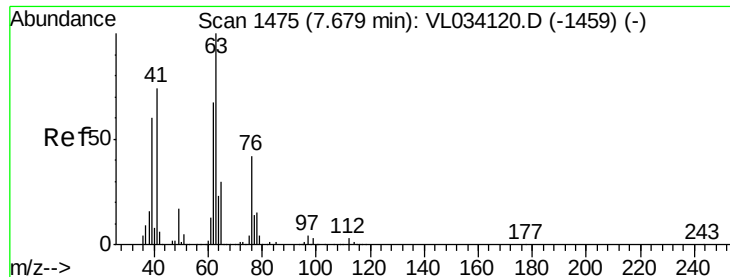
Tgt Ion: 62 Resp: 810275
 Ion Ratio Lower Upper
 62 100
 98 5.2 4.4 6.6



#38
 Trichloroethene
 Concen: 7.816 ppbv
 RT: 7.90 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 130 Resp: 402632
 Ion Ratio Lower Upper
 130 100
 95 129.6 97.2 145.8
 132 104.2 81.4 122.2
 97 84.5 64.8 97.2

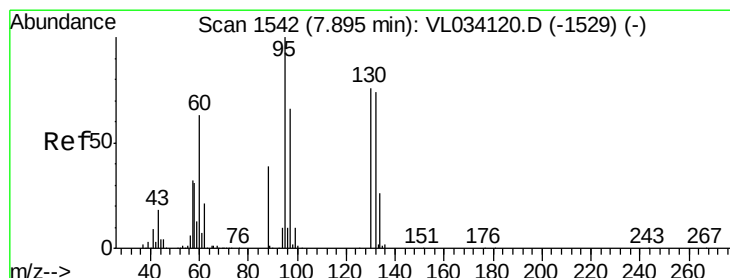
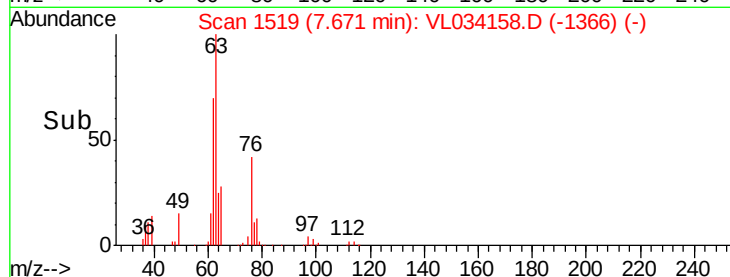
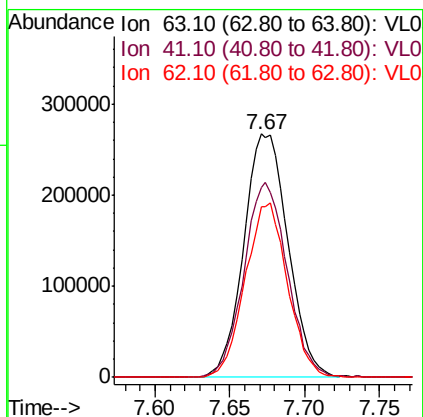
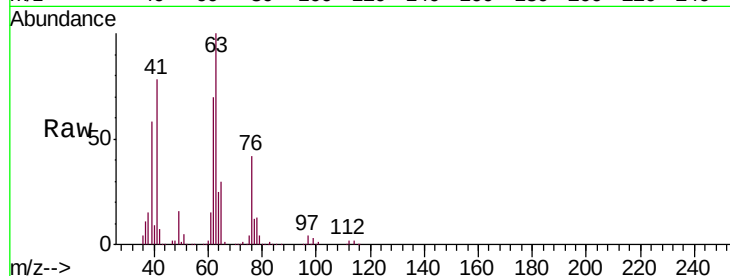




#39
 1,2-Dichloropropane
 Concen: 9.327 ppbv
 RT: 7.67 min Scan# 1519
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

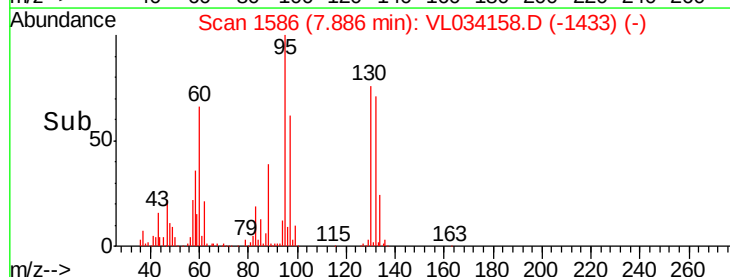
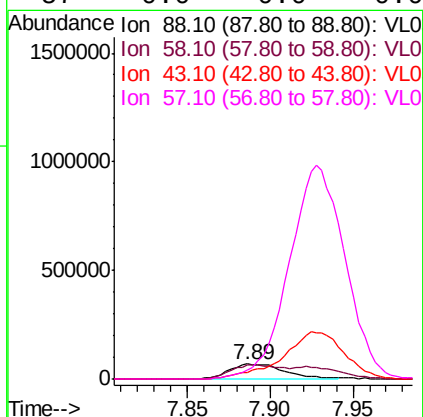
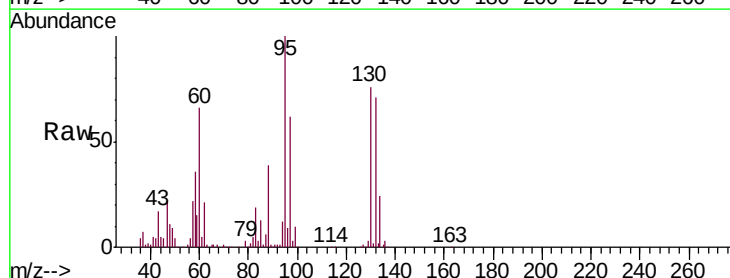
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

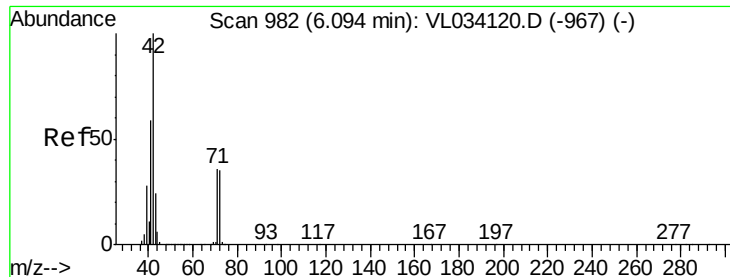
Tgt Ion: 63 Resp: 551063
 Ion Ratio Lower Upper
 63 100
 41 77.8 59.3 88.9
 62 69.9 53.8 80.6



#40
 1,4-Dioxane
 Concen: 7.334 ppbv
 RT: 7.89 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 88 Resp: 159231
 Ion Ratio Lower Upper
 88 100
 58 156.7 121.7 182.5
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.571 ppbv

RT: 6.09 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

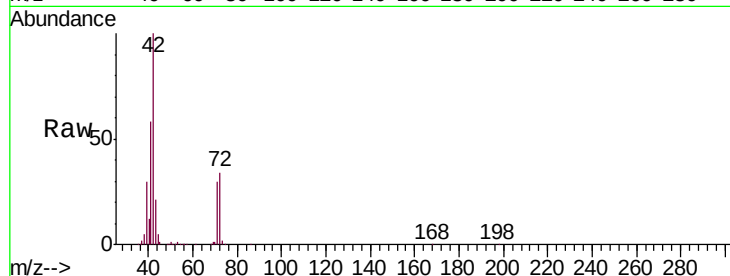
Tgt Ion: 42 Resp: 666282

Ion Ratio Lower Upper

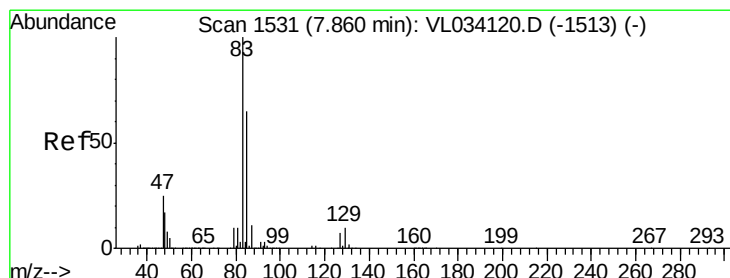
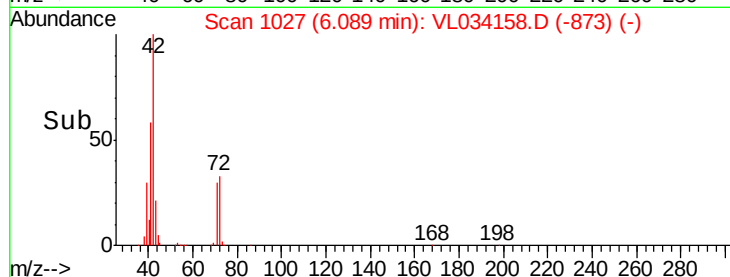
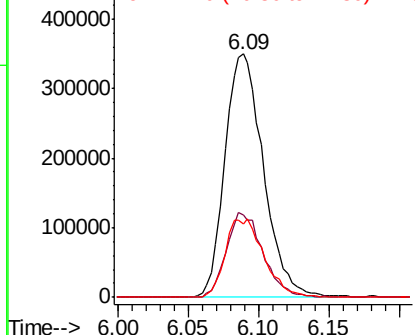
42 100

72 33.4 27.7 41.5

71 32.7 26.7 40.1



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.508 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

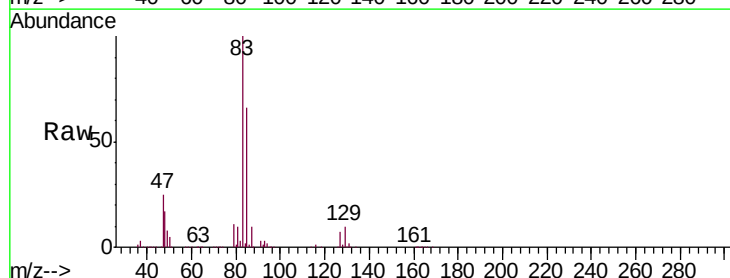
Tgt Ion: 83 Resp: 1049439

Ion Ratio Lower Upper

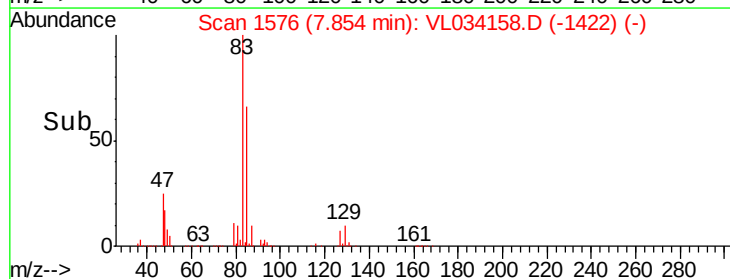
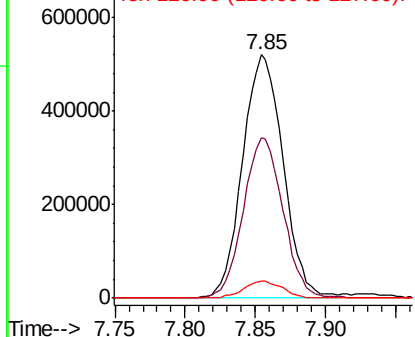
83 100

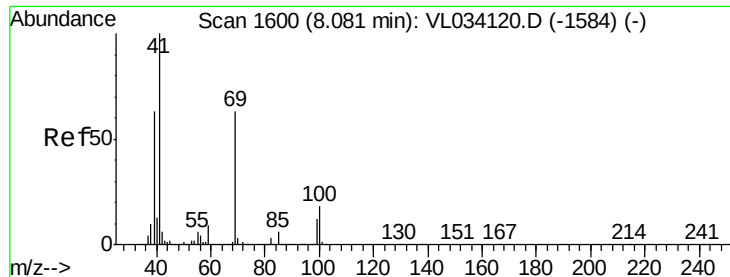
85 66.1 51.6 77.4

127 6.9 5.4 8.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.542 ppbv

RT: 8.07 min Scan# 1644

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

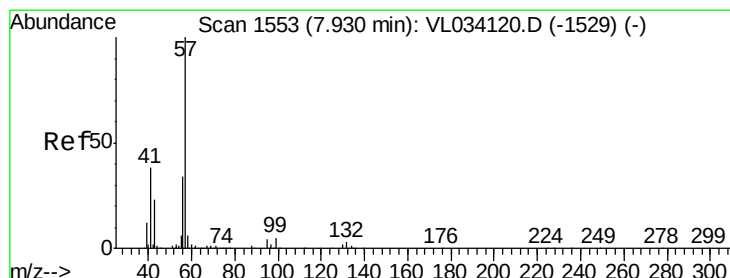
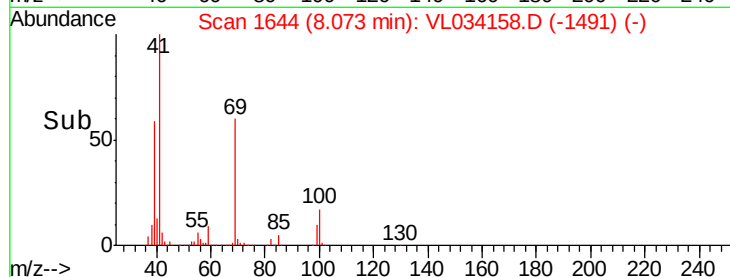
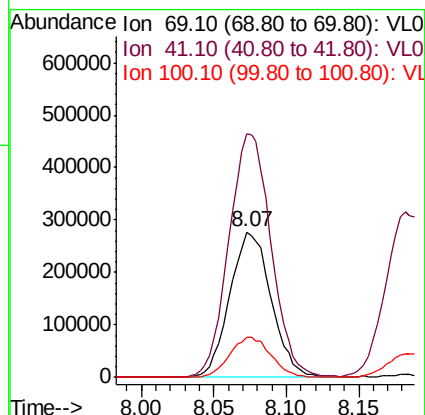
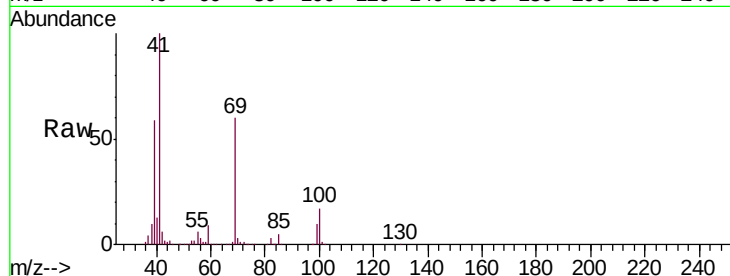
Tgt Ion: 69 Resp: 542681

Ion Ratio Lower Upper

69 100

41 172.3 131.0 196.6

100 28.0 22.6 33.8



#44

2,2,4-Trimethylpentane

Concen: 9.082 ppbv

RT: 7.93 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

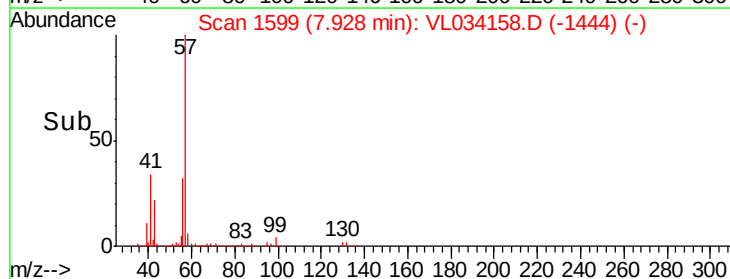
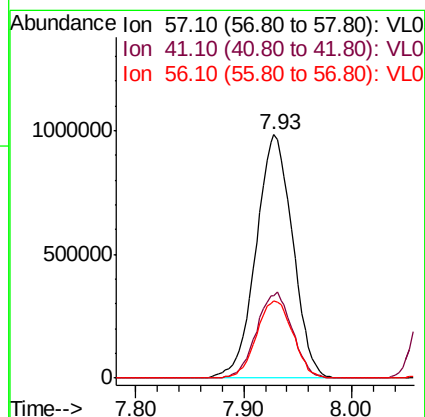
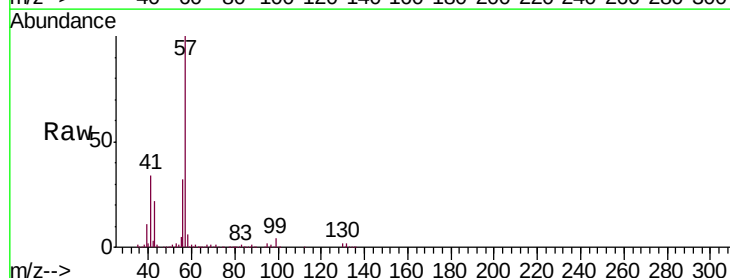
Tgt Ion: 57 Resp: 2311646

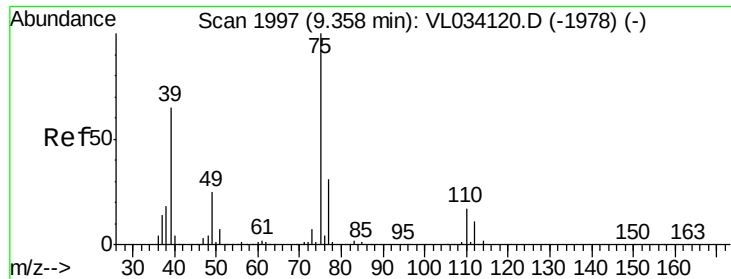
Ion Ratio Lower Upper

57 100

41 34.5 28.4 42.6

56 31.6 26.3 39.5





#45

t-1,3-Dichloropropene

Concen: 10.215 ppbv

RT: 9.35 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

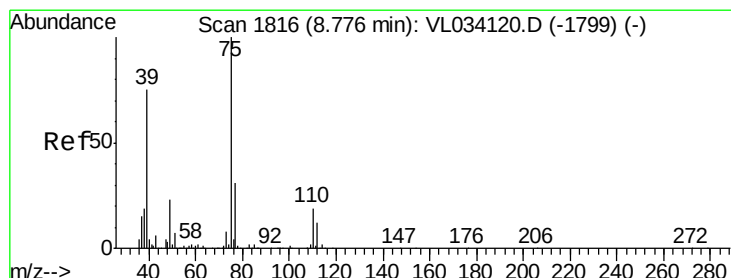
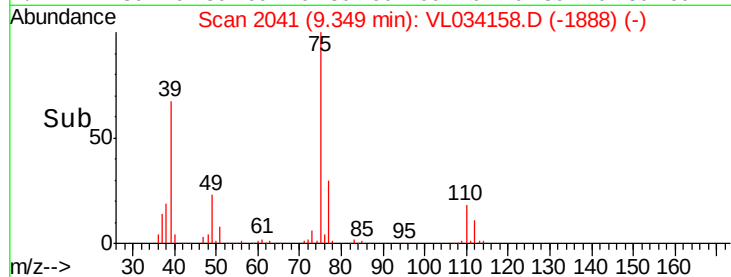
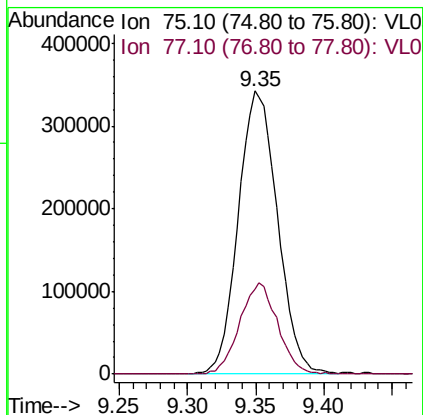
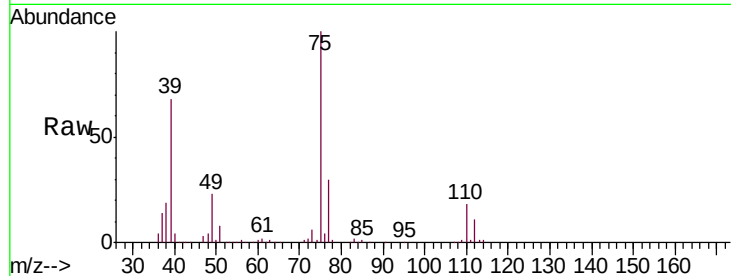
VSTDCCC010EC

Tgt Ion: 75 Resp: 682862

Ion Ratio Lower Upper

75 100

77 29.8 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 9.804 ppbv

RT: 8.77 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

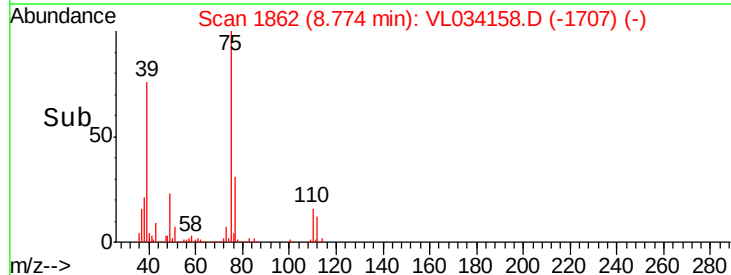
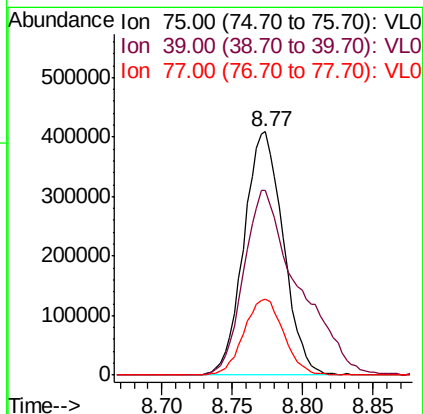
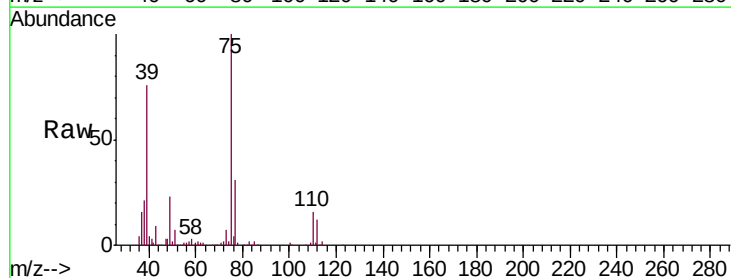
Tgt Ion: 75 Resp: 797327

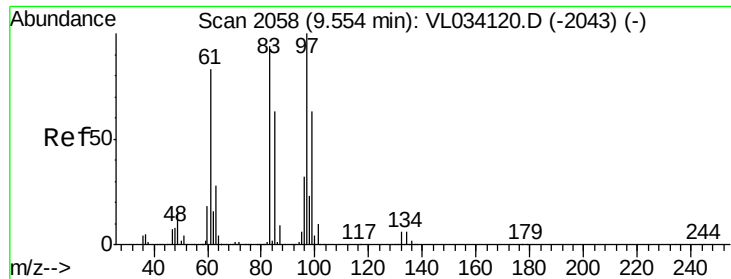
Ion Ratio Lower Upper

75 100

39 75.8 60.0 90.0

77 31.0 24.8 37.2

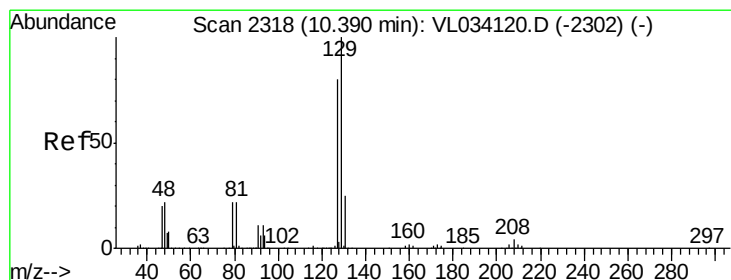
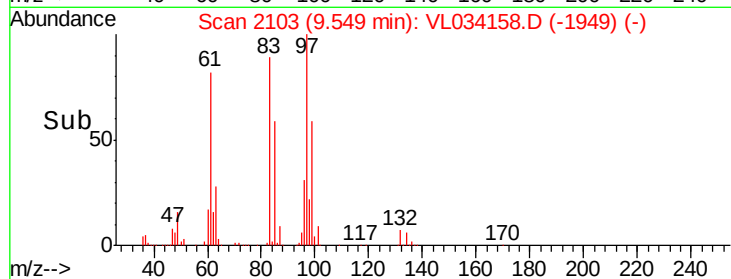
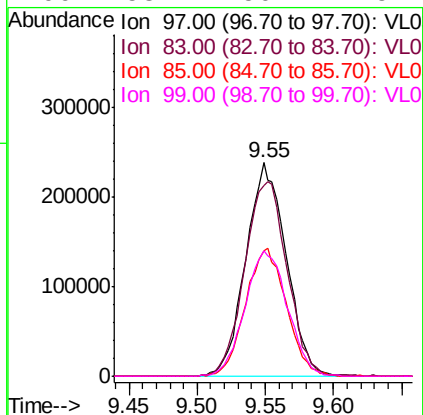
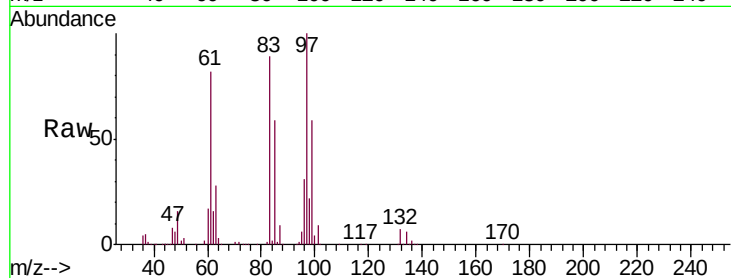




#47
 1,1,2-Trichloroethane
 Concen: 9.097 ppbv
 RT: 9.55 min Scan# 2103
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

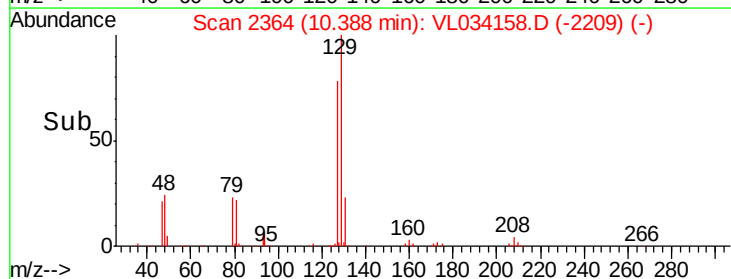
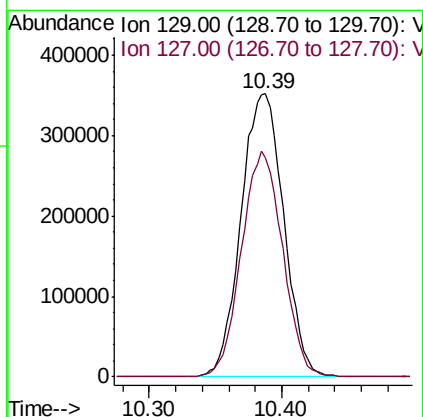
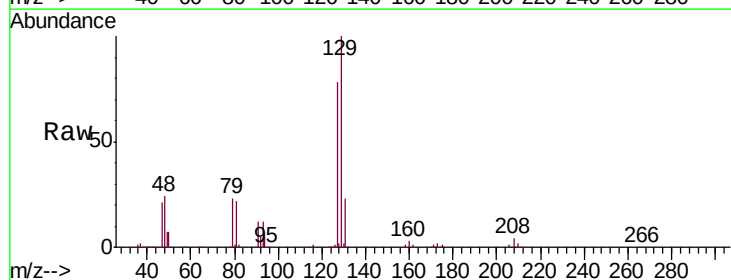
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

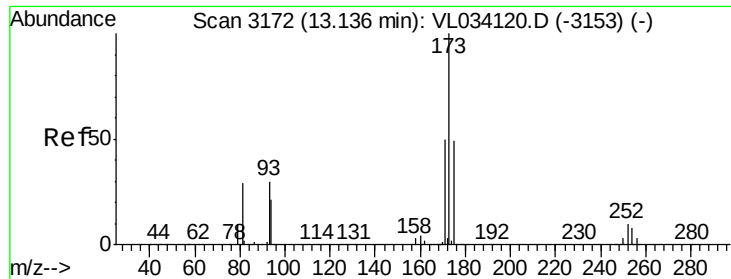
Tgt Ion:	97	Resp:	489654
Ion	Ratio	Lower	Upper
97	100		
83	89.1	74.9	112.3
85	58.9	50.6	75.8
99	58.7	50.2	75.2



#48
 Dibromochloromethane
 Concen: 9.786 ppbv
 RT: 10.39 min Scan# 2364
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion:	129	Resp:	785994
Ion	Ratio	Lower	Upper
129	100		
127	77.0	40.2	120.6





#49

Bromoform

Concen: 8.924 ppbv

RT: 13.14 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

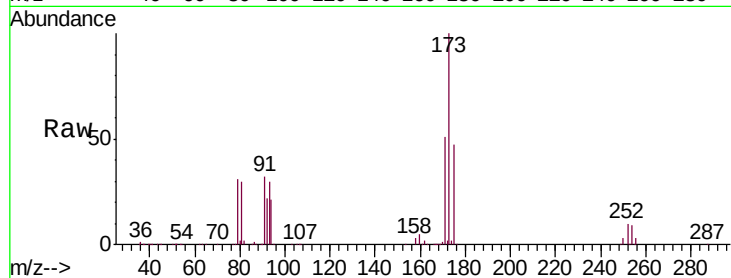
Tgt Ion: 173 Resp: 628353

Ion Ratio Lower Upper

173 100

175 49.1 40.0 60.0

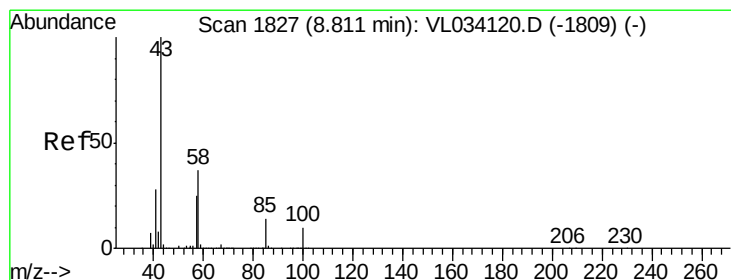
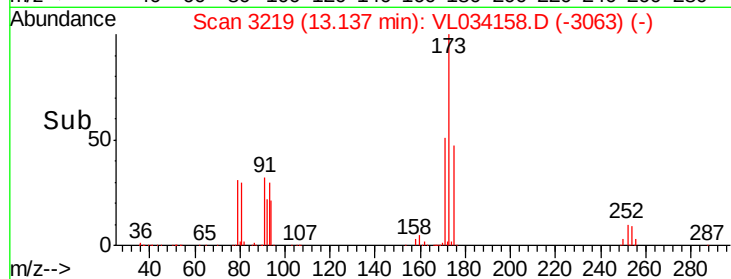
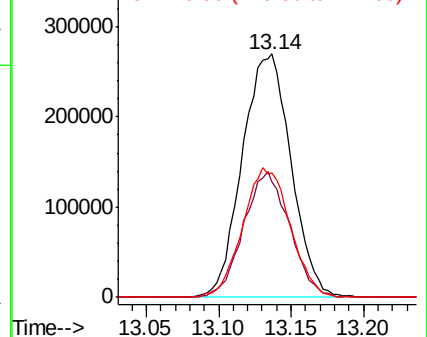
171 52.1 42.2 63.2



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: 9.085 ppbv

RT: 8.81 min Scan# 1872

Delta R.T. -0.01 min

Lab File: VL034158.D

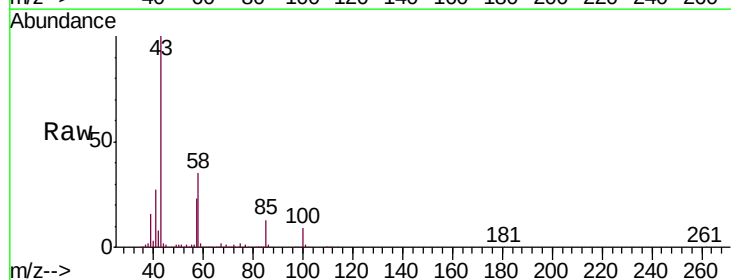
Acq: 11 Sep 2019 00:58

Tgt Ion: 43 Resp: 1609695

Ion Ratio Lower Upper

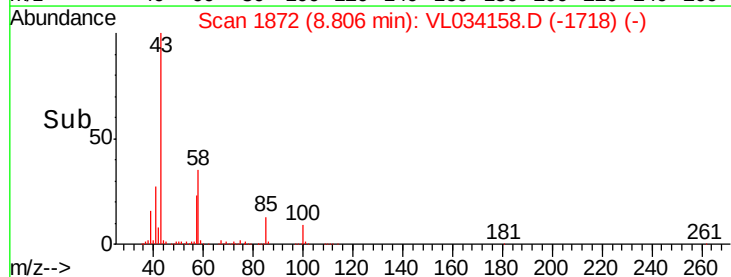
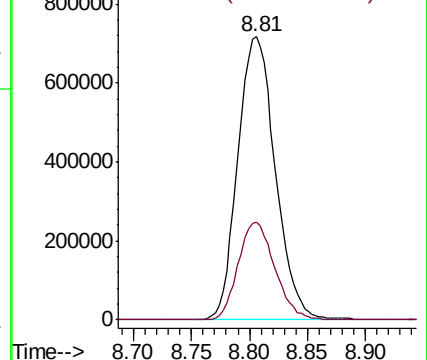
43 100

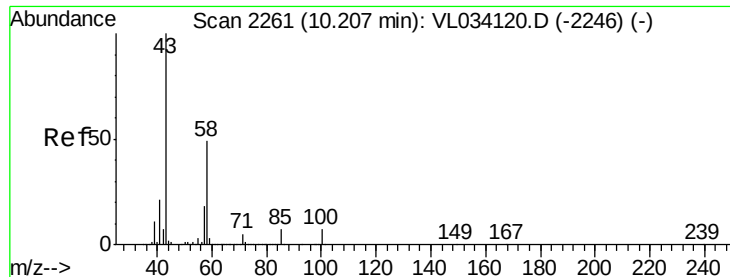
58 33.9 28.5 42.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

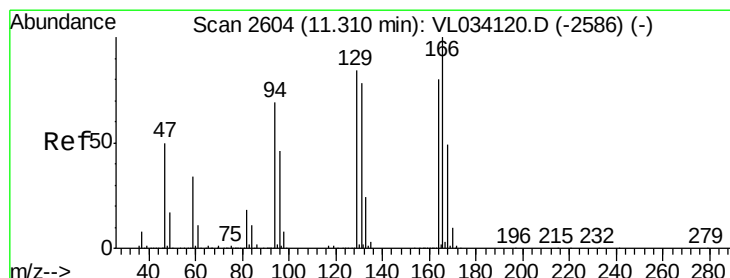
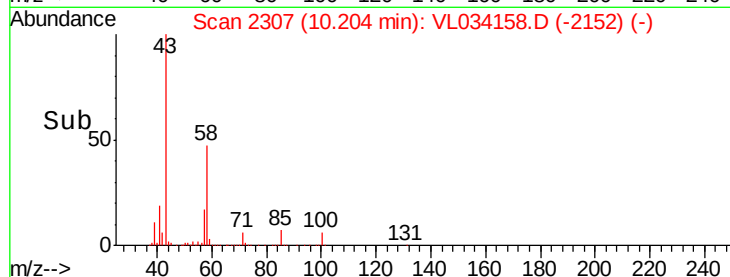
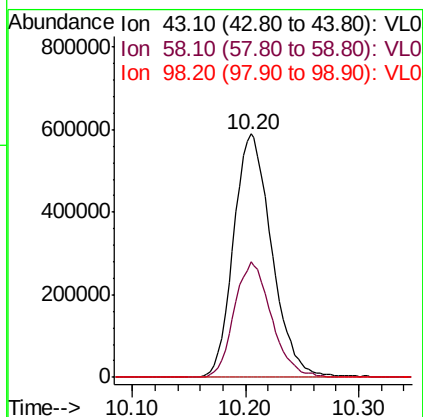
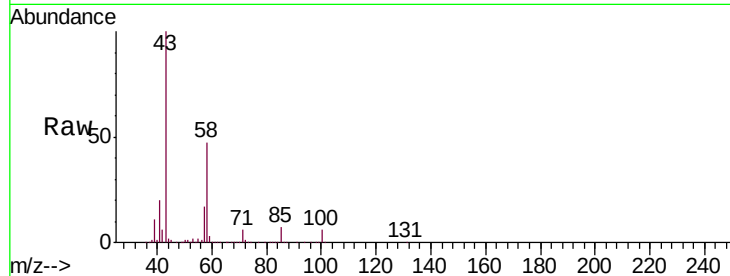




#51
2-Hexanone
Concen: 9.031 ppbv
RT: 10.20 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

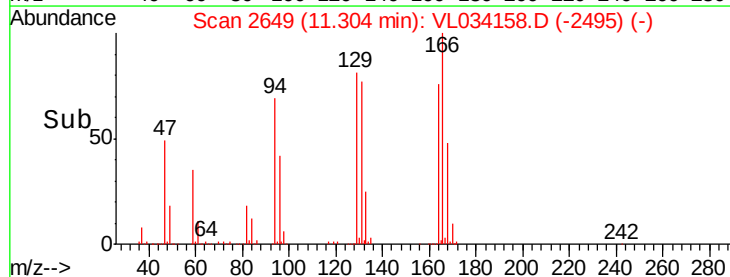
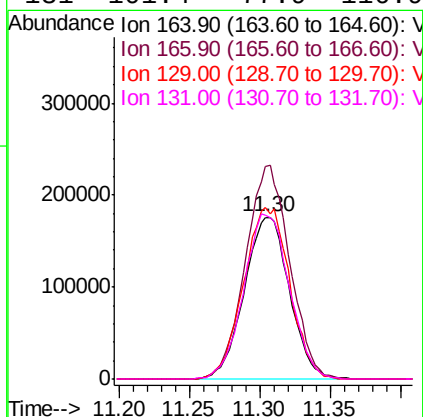
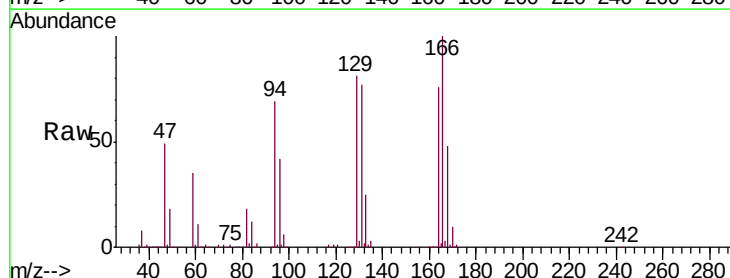
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

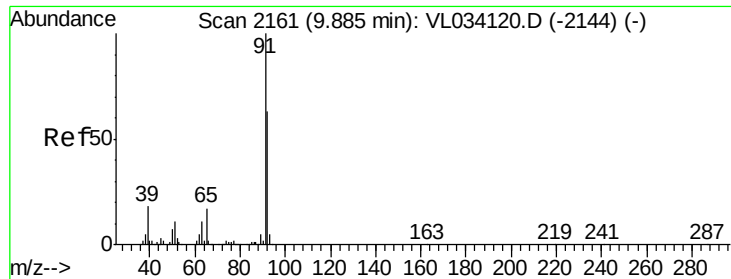
Tgt Ion: 43 Resp: 1382392
Ion Ratio Lower Upper
43 100
58 46.5 38.2 57.2
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.069 ppbv
RT: 11.30 min Scan# 2649
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

Tgt Ion: 164 Resp: 392800
Ion Ratio Lower Upper
164 100
166 131.2 99.5 149.3
129 106.2 83.6 125.4
131 101.4 77.9 116.9





#53

Toluene

Concen: 9.271 ppbv

RT: 9.88 min Scan# 2206

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

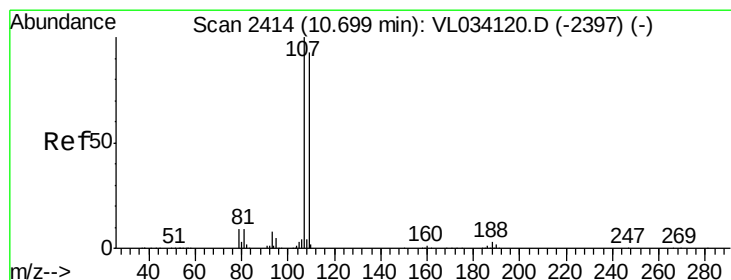
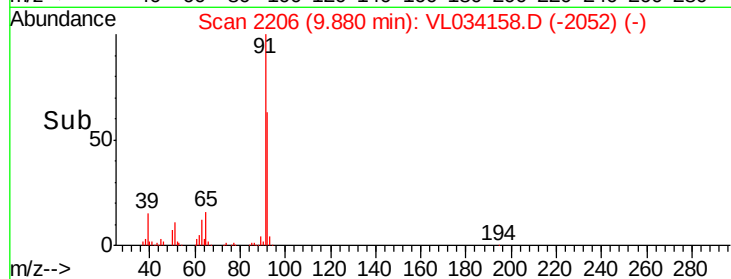
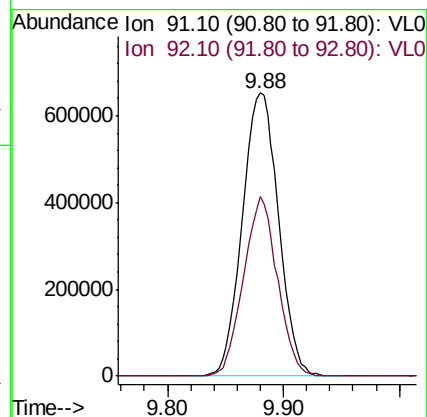
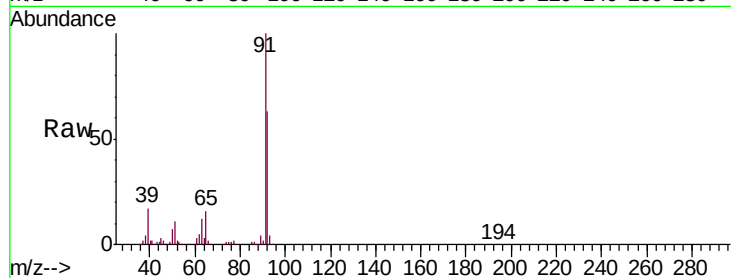
VSTDCCC010EC

Tgt Ion: 91 Resp: 1415557

Ion Ratio Lower Upper

91 100

92 59.5 49.3 73.9



#54

1,2-Dibromoethane

Concen: 9.061 ppbv

RT: 10.69 min Scan# 2459

Delta R.T. -0.01 min

Lab File: VL034158.D

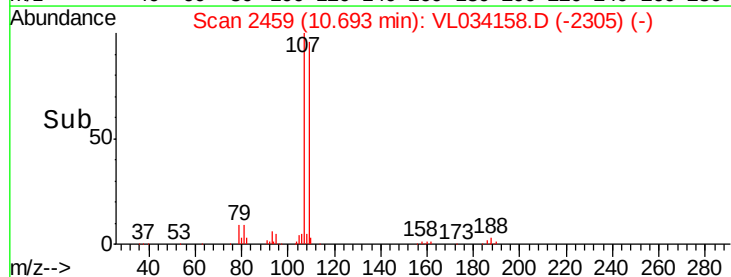
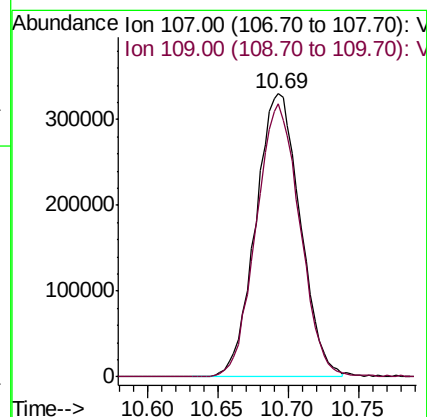
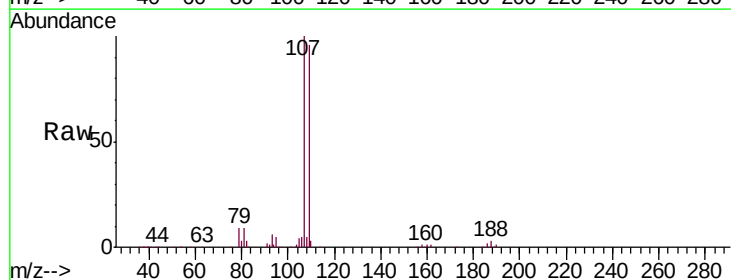
Acq: 11 Sep 2019 00:58

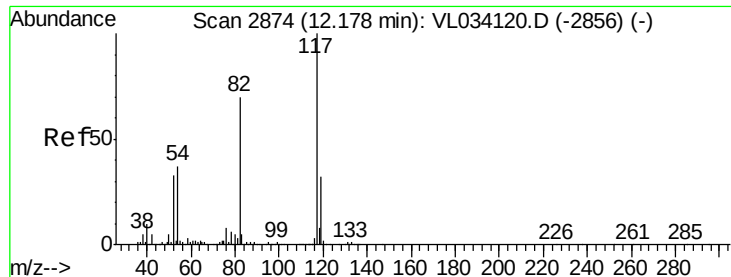
Tgt Ion: 107 Resp: 726617

Ion Ratio Lower Upper

107 100

109 96.5 74.5 111.7

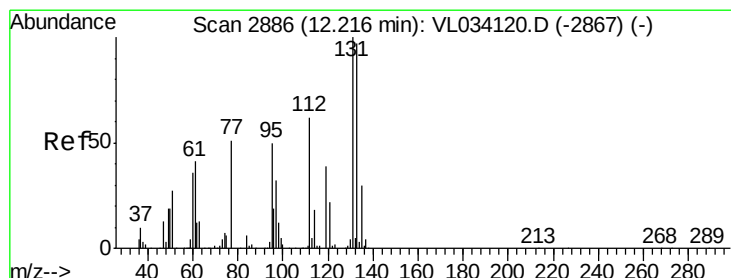
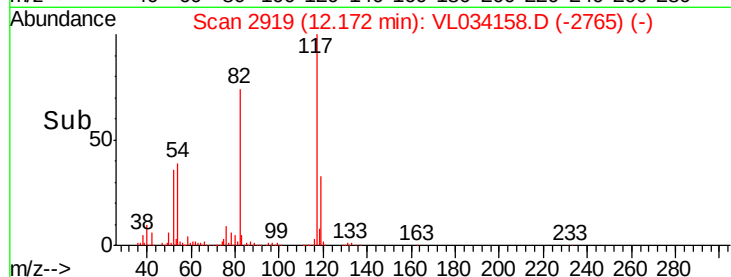
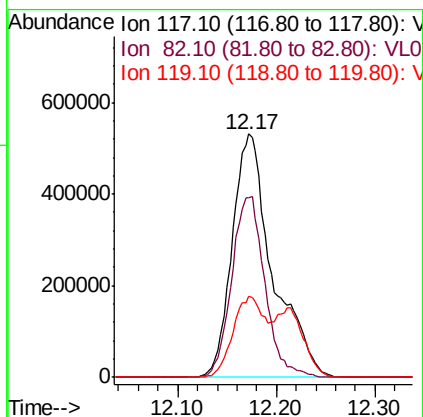
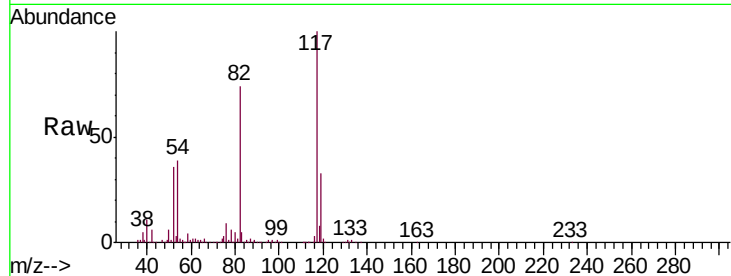




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

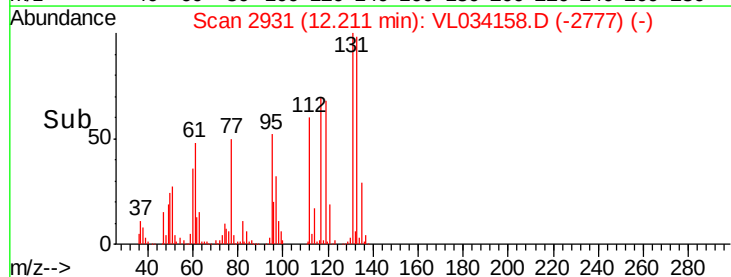
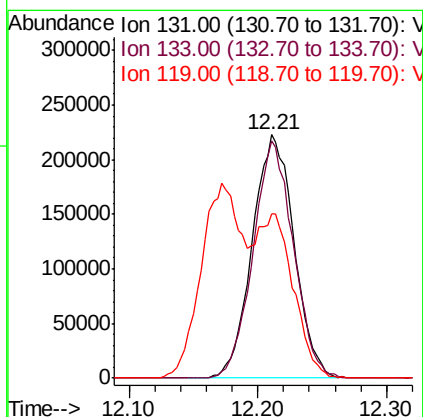
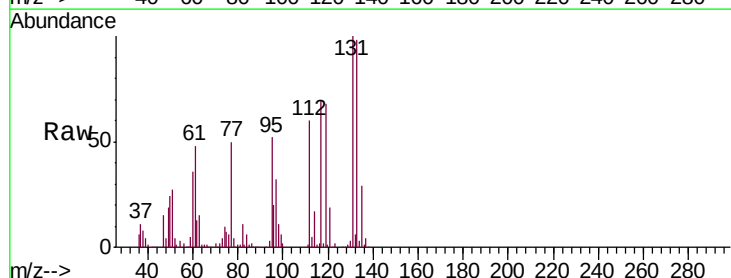
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

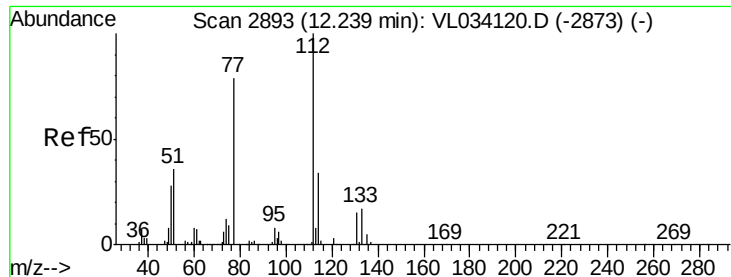
Tgt Ion:117 Resp: 151598
Ion Ratio Lower Upper
117 100
82 61.2 55.8 83.6
119 27.0 43.1 64.7#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.719 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

Tgt Ion:131 Resp: 501798
Ion Ratio Lower Upper
131 100
133 94.4 75.8 113.6
119 59.2 114.7 172.1#

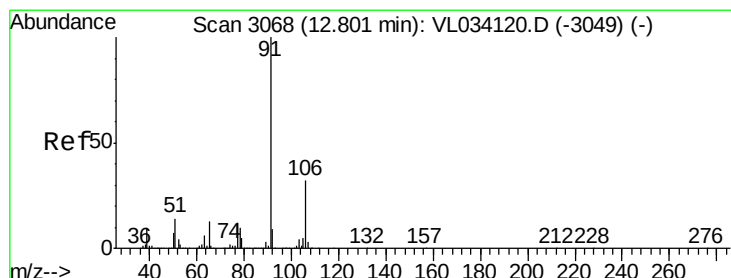
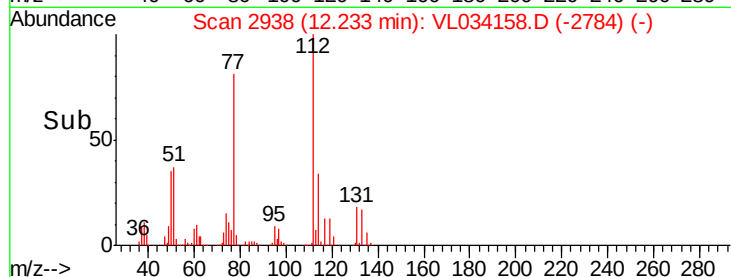
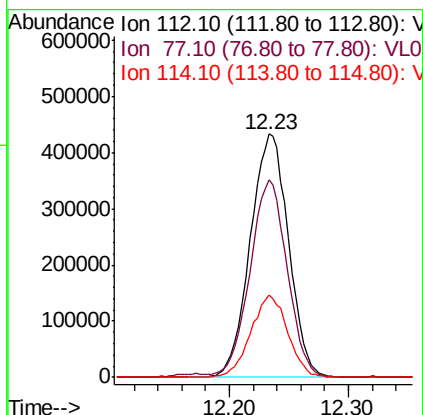
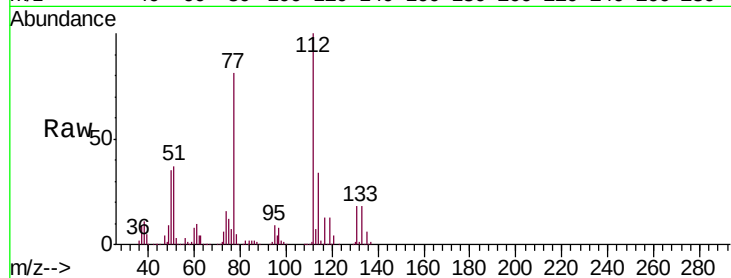




#57
Chlorobenzene
Concen: 7.375 ppbv
RT: 12.23 min Scan# 2938
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

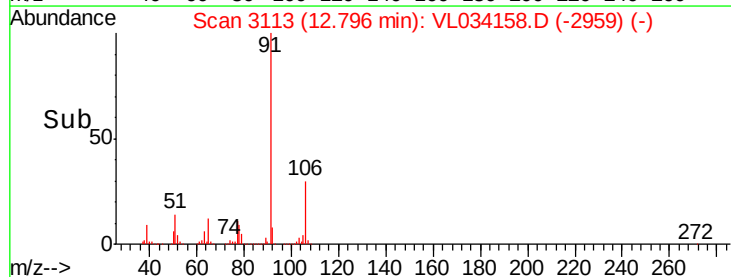
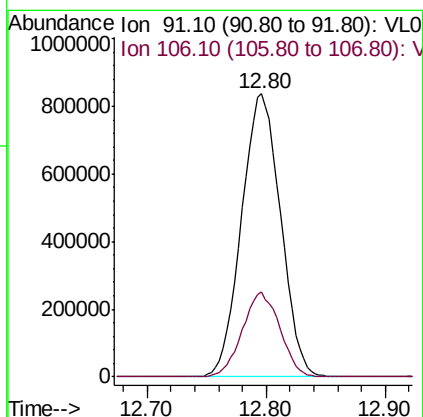
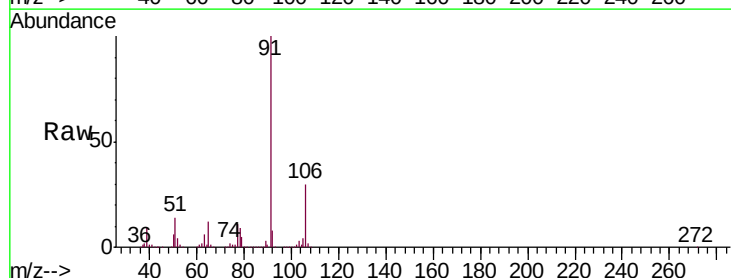
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

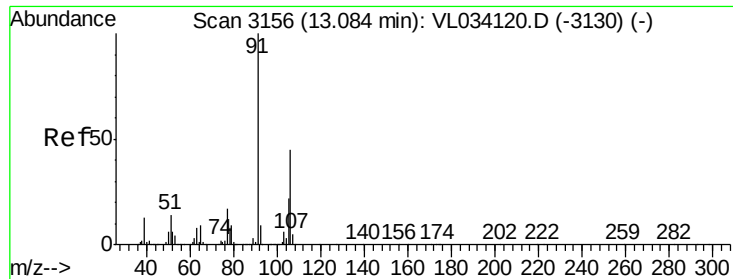
Tgt Ion: 112 Resp: 961565
Ion Ratio Lower Upper
112 100
77 81.0 64.4 96.6
114 33.8 30.3 37.1



#58
Ethyl Benzene
Concen: 7.653 ppbv
RT: 12.80 min Scan# 3113
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

Tgt Ion: 91 Resp: 1901970
Ion Ratio Lower Upper
91 100
106 30.0 25.3 37.9

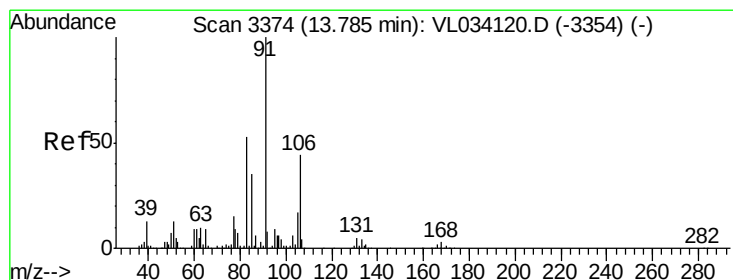
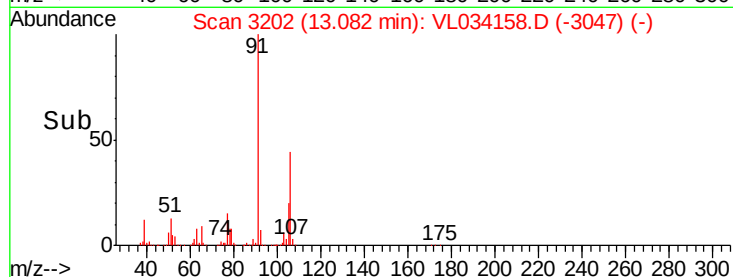
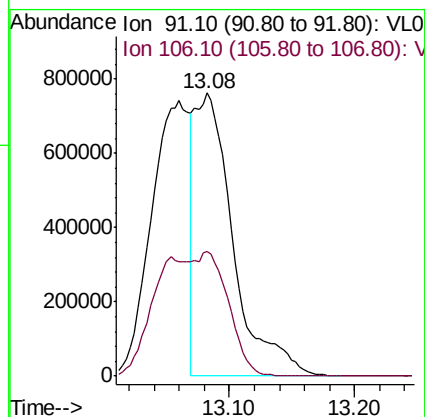
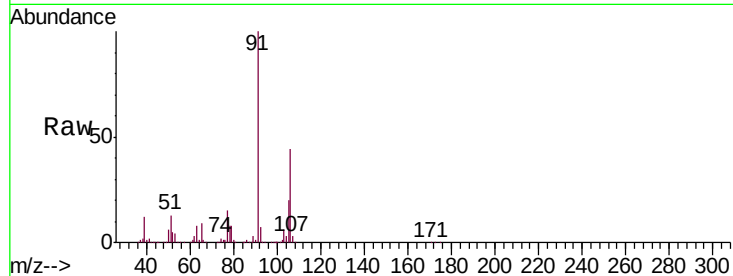




#59
m/p-Xylene
Concen: 7.962 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

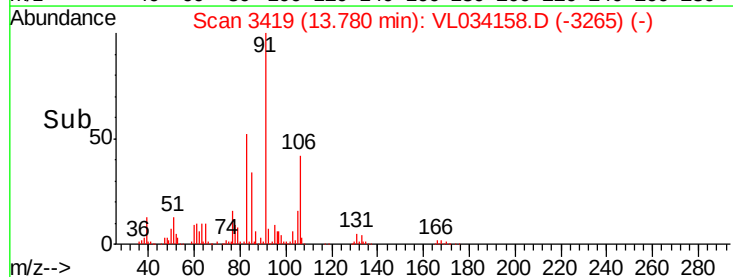
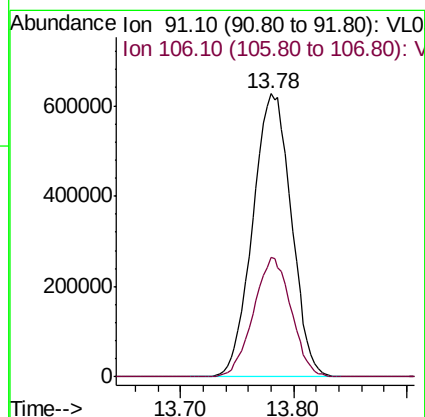
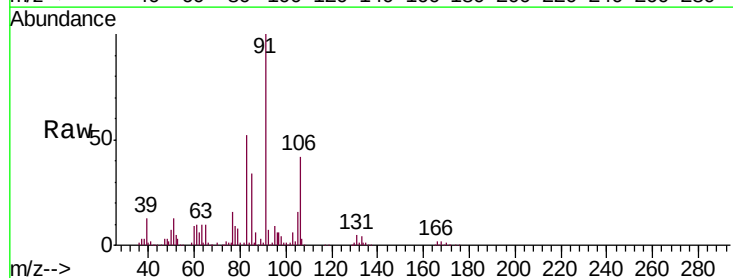
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

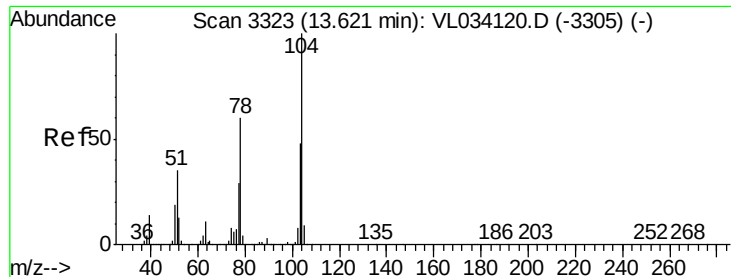
Tgt Ion: 91 Resp: 1614236
Ion Ratio Lower Upper
91 100
106 81.5 35.4 53.2#



#60
o-Xylene
Concen: 7.357 ppbv
RT: 13.78 min Scan# 3419
Delta R.T. -0.01 min
Lab File: VL034158.D
Acq: 11 Sep 2019 00:58

Tgt Ion: 91 Resp: 1485481
Ion Ratio Lower Upper
91 100
106 41.2 21.4 64.3





#61

Styrene

Concen: 7.579 ppbv

RT: 13.62 min Scan# 3368

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

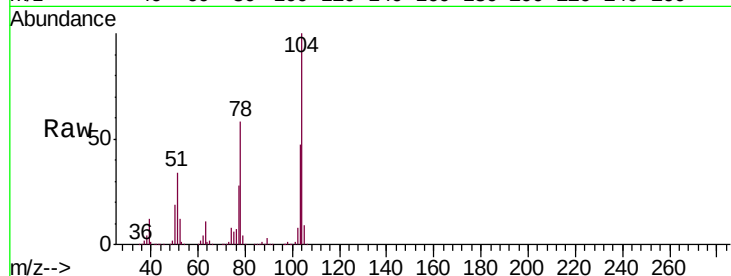
Tgt Ion:104 Resp: 1144794

Ion Ratio Lower Upper

104 100

78 59.6 47.8 71.6

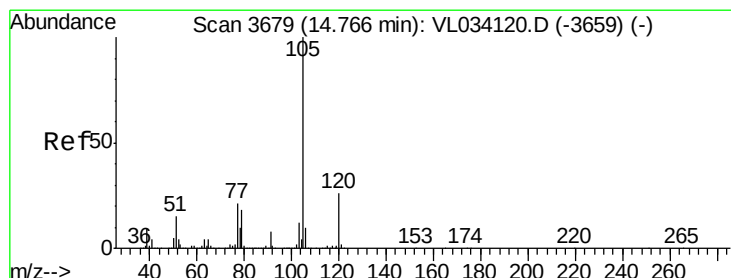
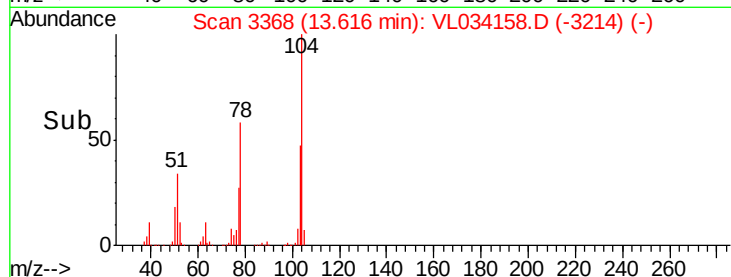
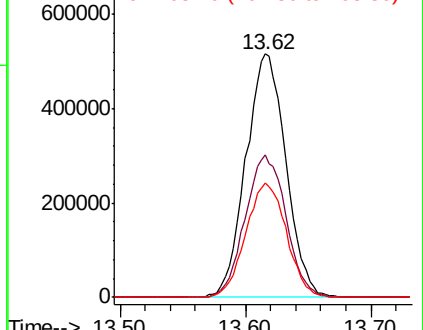
103 47.6 38.7 58.1



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: 7.326 ppbv

RT: 14.75 min Scan# 3722

Delta R.T. -0.01 min

Lab File: VL034158.D

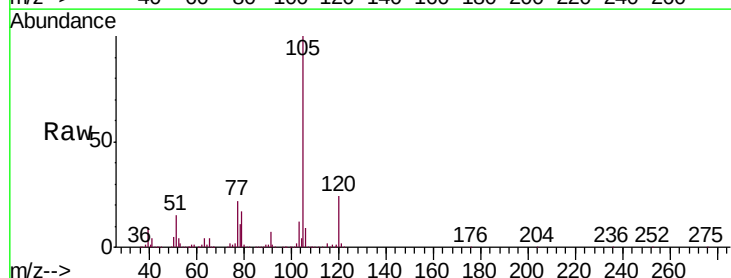
Acq: 11 Sep 2019 00:58

Tgt Ion:105 Resp: 1924827

Ion Ratio Lower Upper

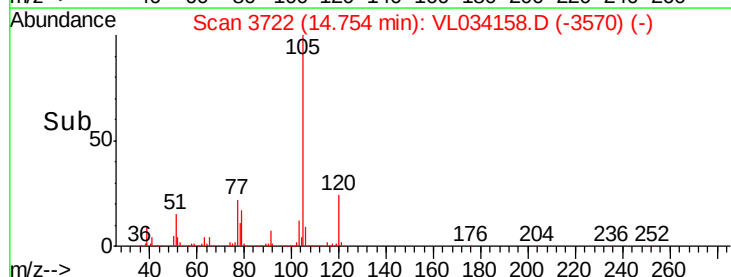
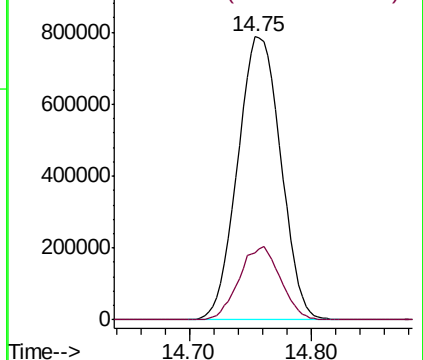
105 100

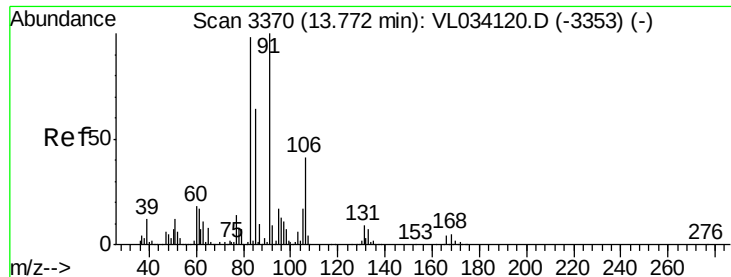
120 24.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.251 ppbv

RT: 13.77 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

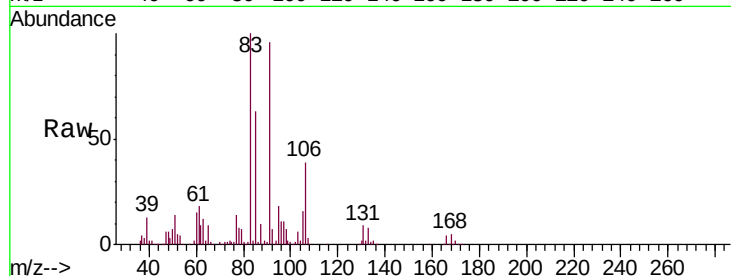
Tgt Ion: 83 Resp: 1028680

Ion Ratio Lower Upper

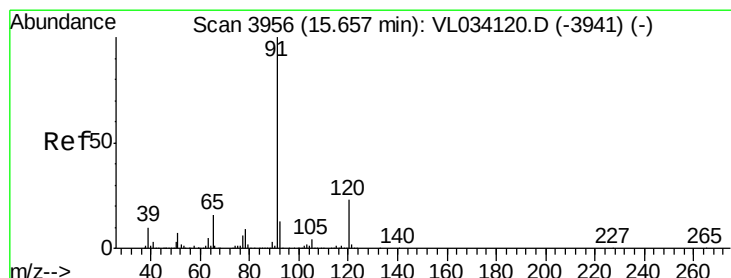
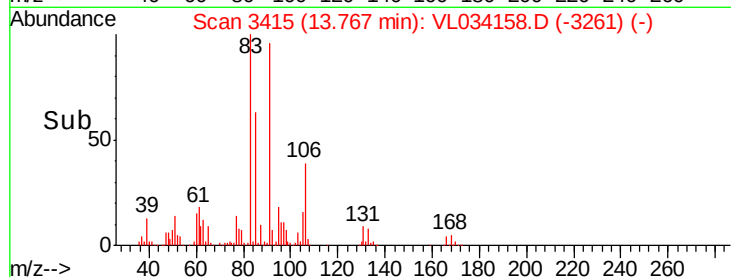
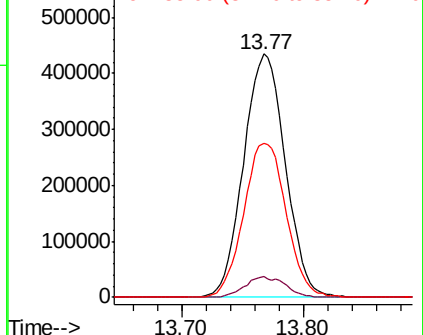
83 100

131 8.4 4.3 12.8

85 64.6 32.5 97.5



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: 7.366 ppbv

RT: 15.65 min Scan# 4000

Delta R.T. -0.01 min

Lab File: VL034158.D

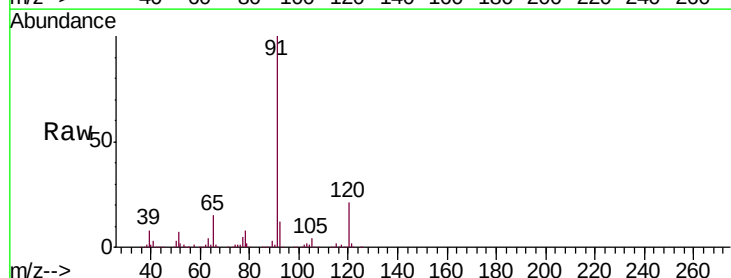
Acq: 11 Sep 2019 00:58

Tgt Ion: 120 Resp: 484805

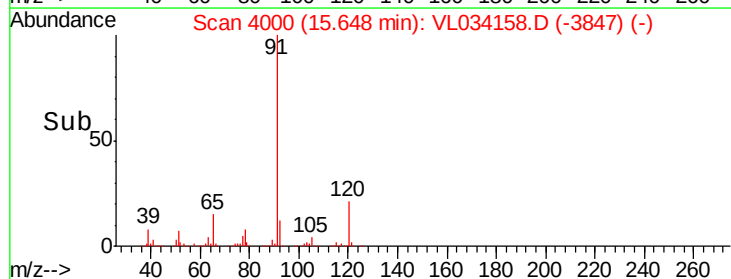
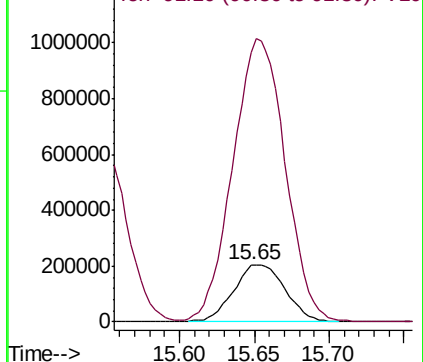
Ion Ratio Lower Upper

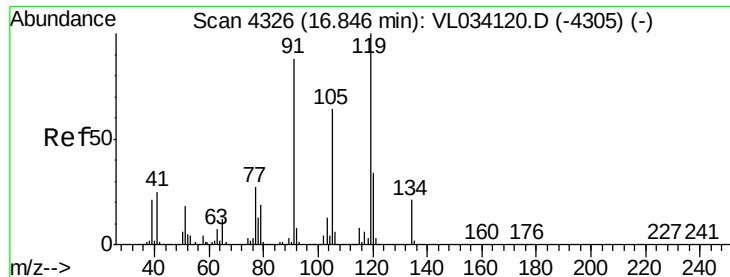
120 100

91 511.1 376.8 565.2



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

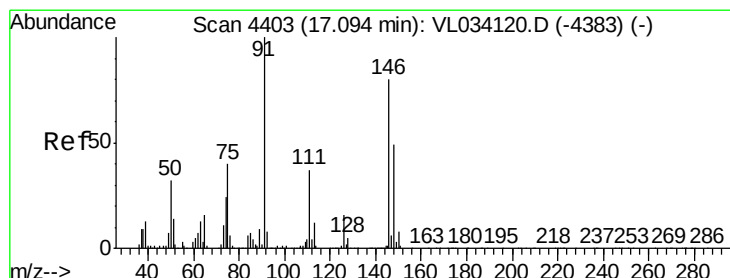
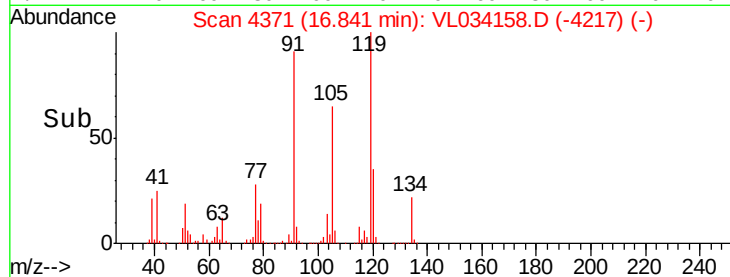
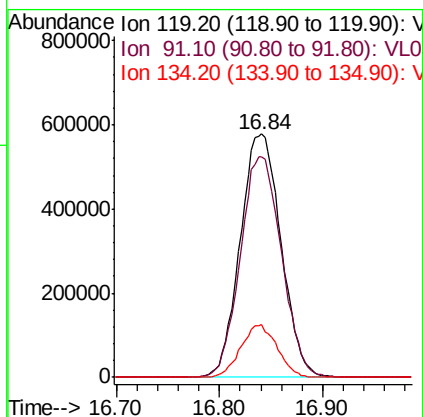
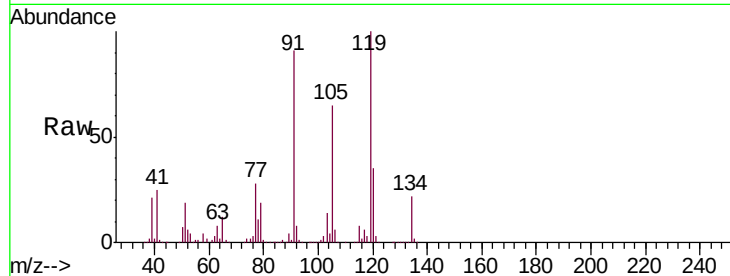




#65
 tert-Butylbenzene
 Concen: 7.010 ppbv
 RT: 16.84 min Scan# 4371
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

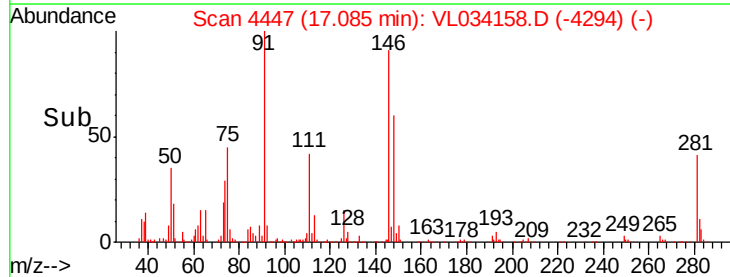
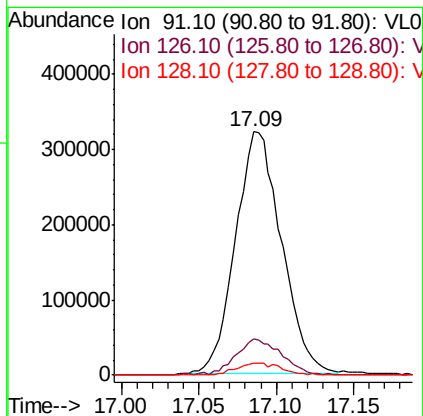
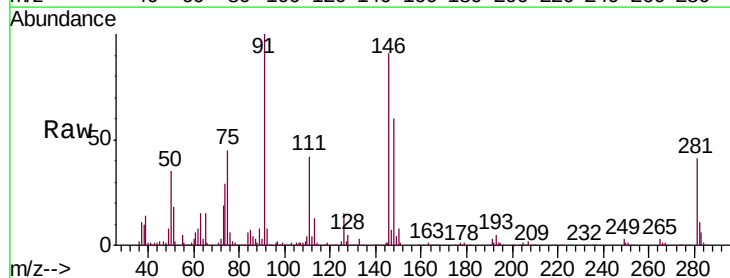
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

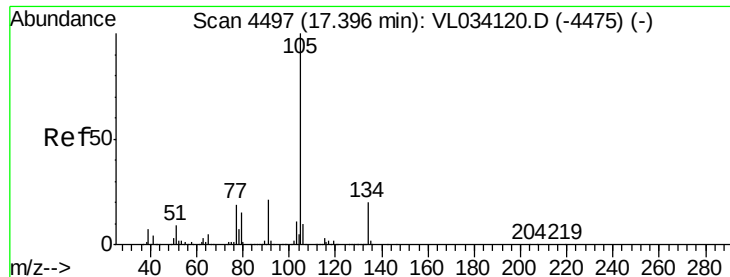
Tgt Ion: 119 Resp: 1589375
 Ion Ratio Lower Upper
 119 100
 91 91.6 72.8 109.2
 134 19.2 15.8 23.8



#66
 Benzyl Chloride
 Concen: 7.937 ppbv
 RT: 17.09 min Scan# 4447
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 91 Resp: 663504
 Ion Ratio Lower Upper
 91 100
 126 15.3 13.7 20.5
 128 5.0 4.2 6.4





#67

sec-Butylbenzene

Concen: 4.105 ppbv

RT: 17.39 min Scan# 4541

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

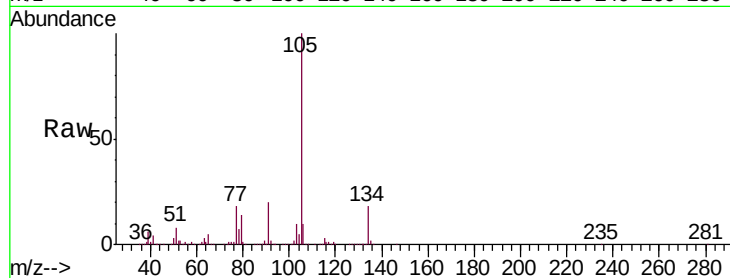
VSTDCCC010EC

Tgt Ion: 105 Resp: 1338381

Ion Ratio Lower Upper

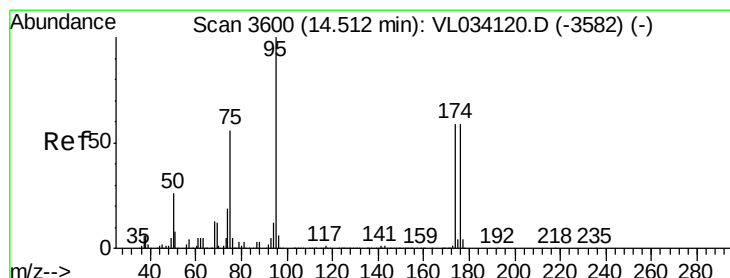
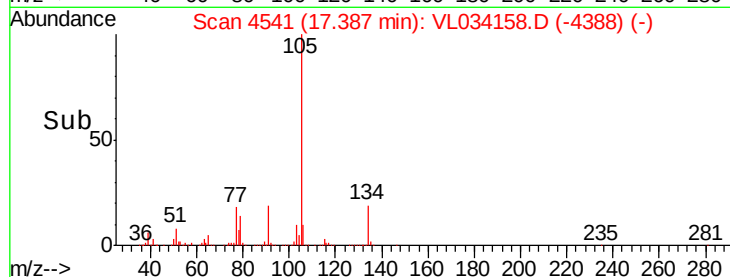
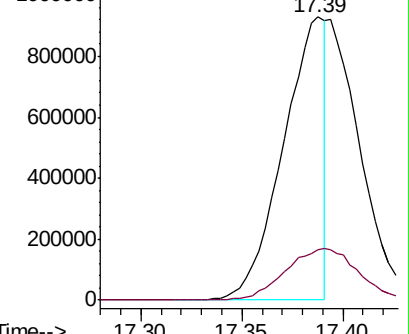
105 100

134 31.5 15.0 22.4#



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: 8.384 ppbv

RT: 14.51 min Scan# 3645

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

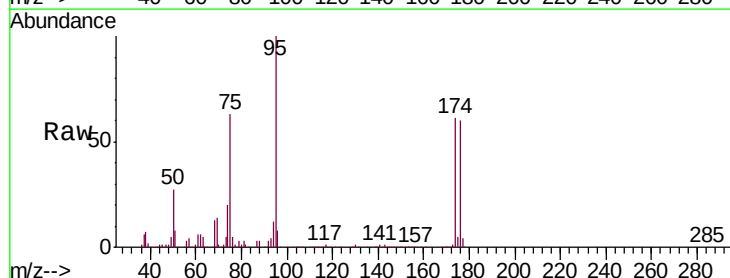
Tgt Ion: 95 Resp: 1038749

Ion Ratio Lower Upper

95 100

174 59.4 48.1 72.1

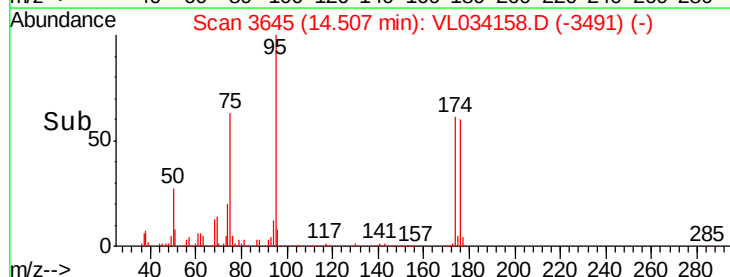
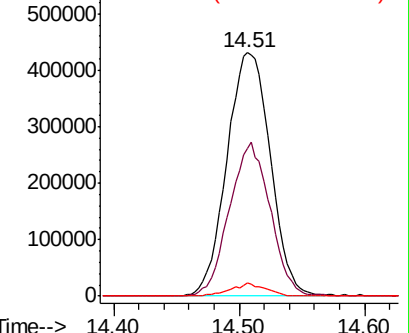
175 4.4 3.5 5.3

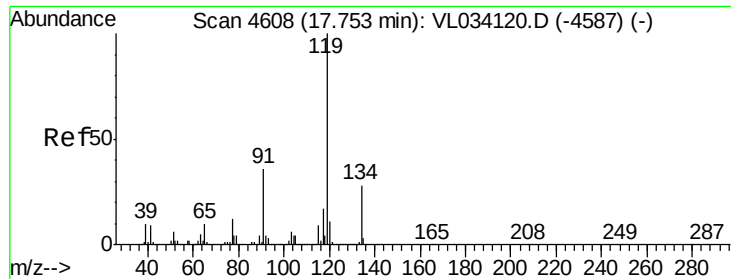


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

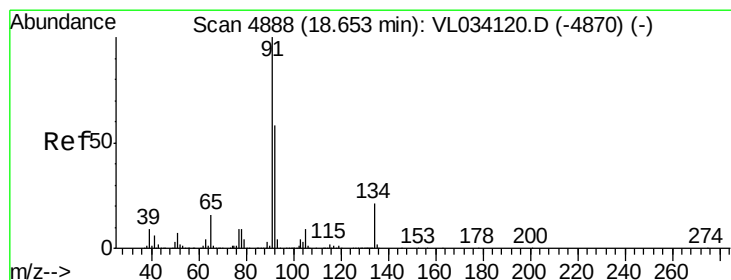
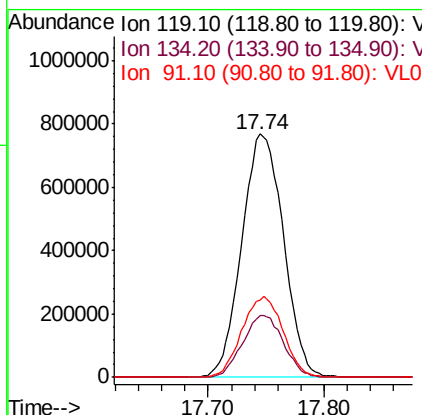
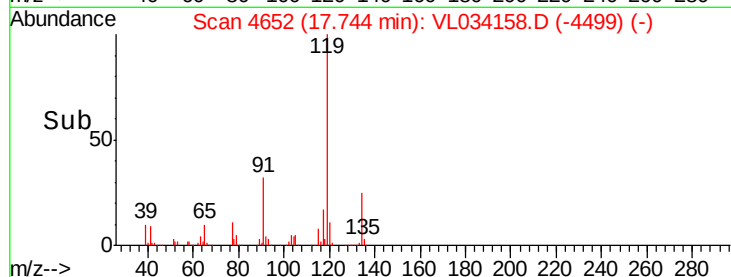
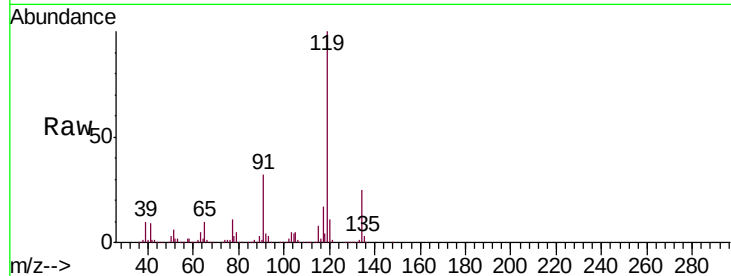




#69
 p-Isopropyltoluene
 Concen: 7.363 ppbv
 RT: 17.74 min Scan# 4652
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

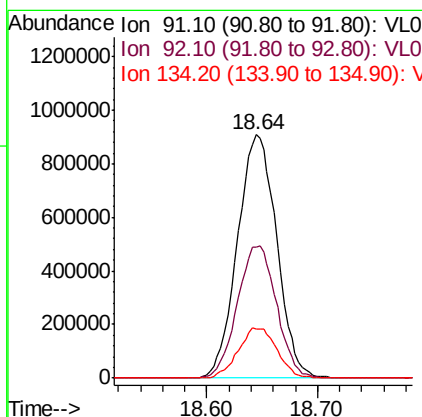
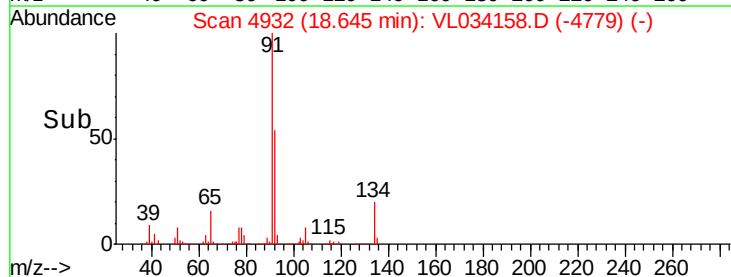
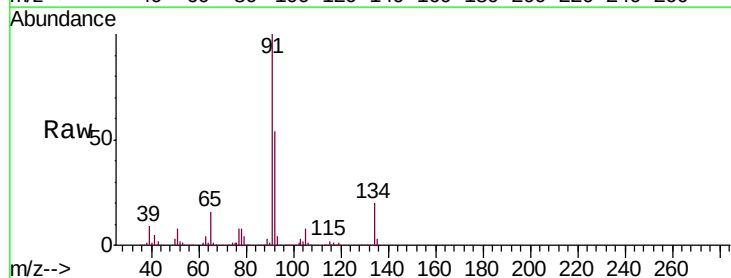
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

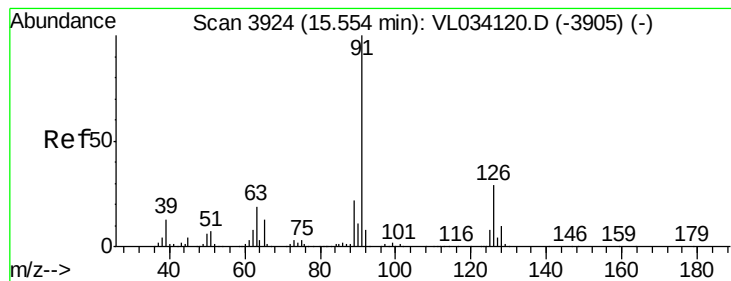
Tgt Ion: 119 Resp: 1920861
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.8 31.2
 91 33.0 27.2 40.8



#70
 n-Butylbenzene
 Concen: 7.543 ppbv
 RT: 18.64 min Scan# 4932
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 91 Resp: 2238899
 Ion Ratio Lower Upper
 91 100
 92 54.4 45.3 67.9
 134 20.5 17.4 26.0

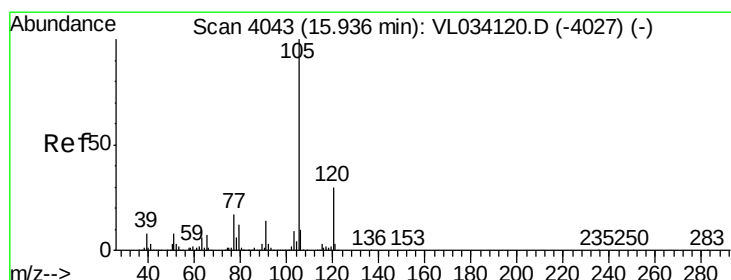
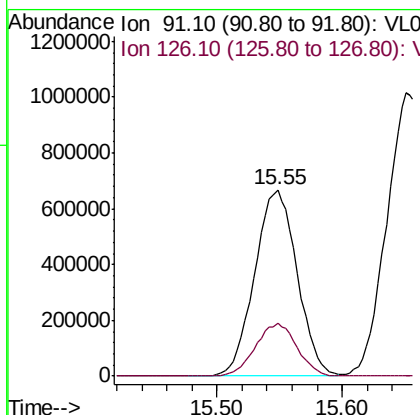
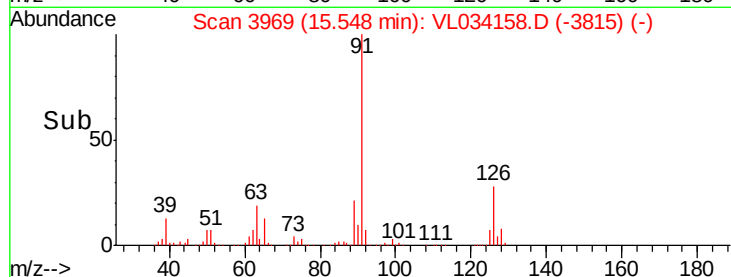
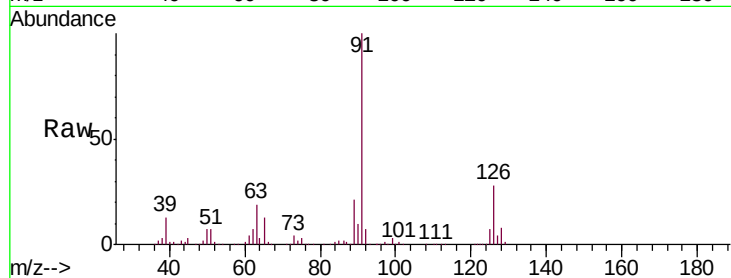




#71
 2-Chlorotoluene
 Concen: 7.324 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

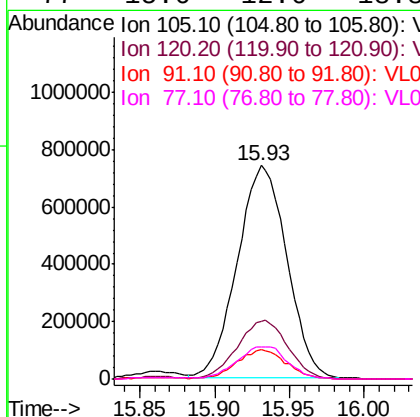
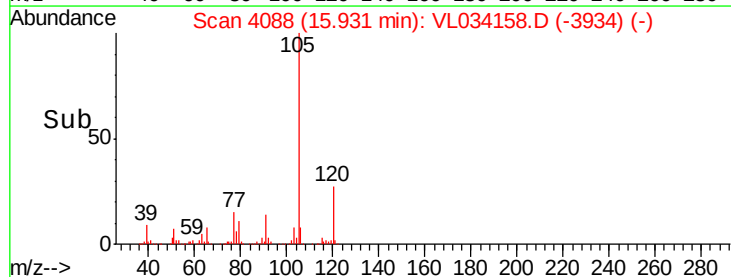
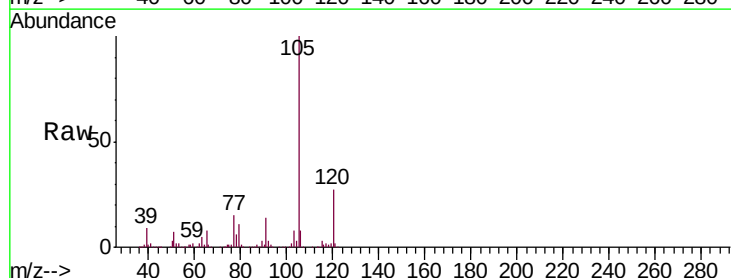
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

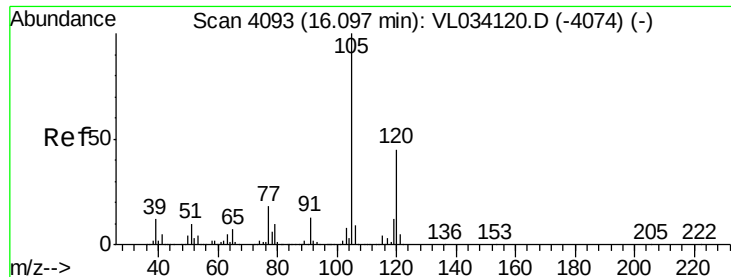
Tgt Ion: 91 Resp: 1572008
 Ion Ratio Lower Upper
 91 100
 126 27.9 11.4 45.4



#72
 4-Ethyltoluene
 Concen: 7.522 ppbv
 RT: 15.93 min Scan# 4088
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion: 105 Resp: 1713735
 Ion Ratio Lower Upper
 105 100
 120 28.1 23.8 35.6
 91 13.9 11.4 17.0
 77 15.6 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 7.344 ppbv

RT: 16.09 min Scan# 4137

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

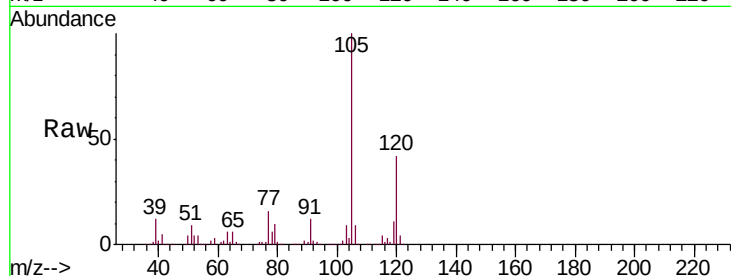
VSTDCCC010EC

Tgt Ion:105 Resp: 1626216

Ion Ratio Lower Upper

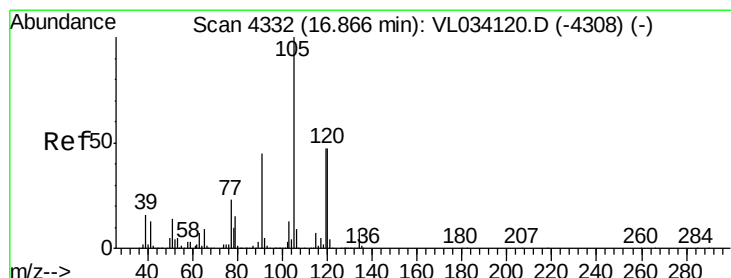
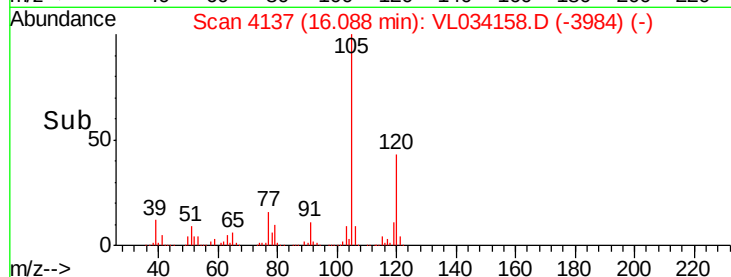
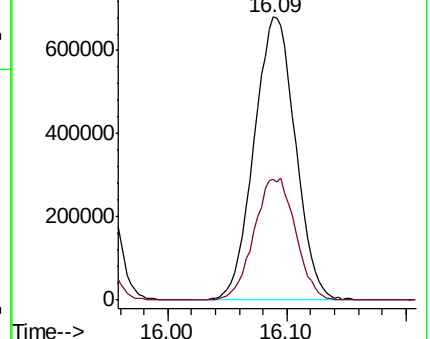
105 100

120 42.6 35.8 53.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.107 ppbv

RT: 16.86 min Scan# 4377

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Tgt Ion:105 Resp: 1620473

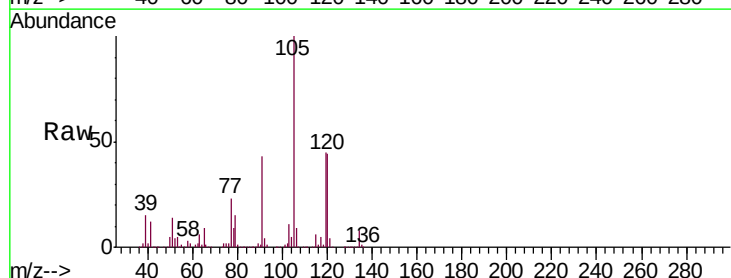
Ion Ratio Lower Upper

105 100

120 44.1 37.7 56.5

91 43.0 36.2 54.2

77 22.7 18.5 27.7

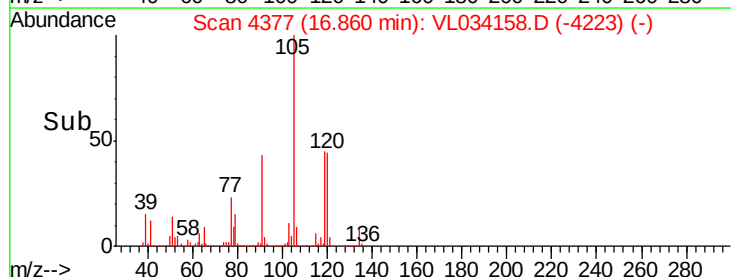
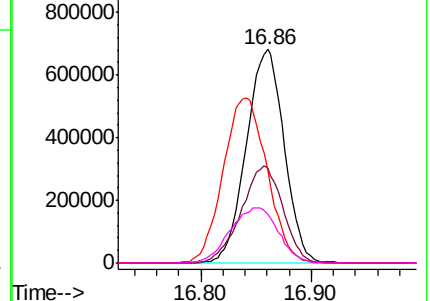


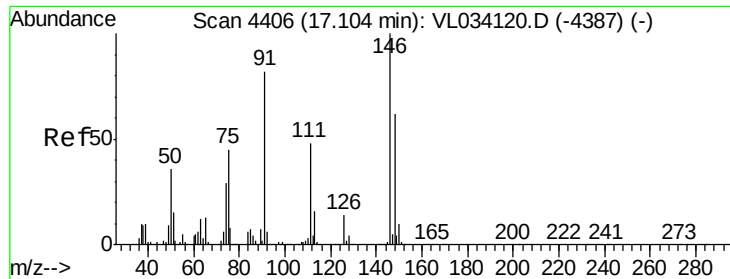
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

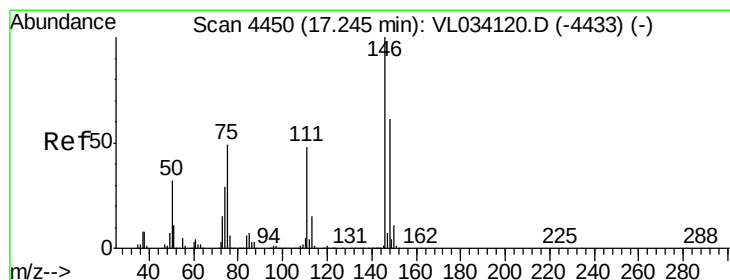
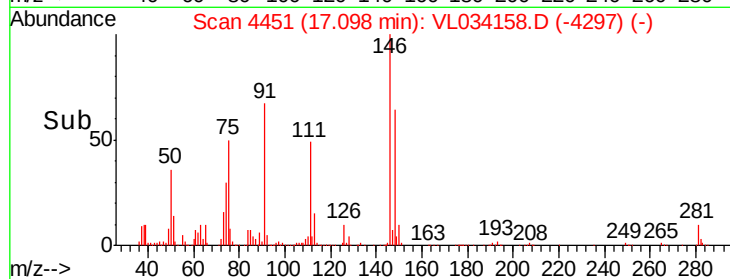
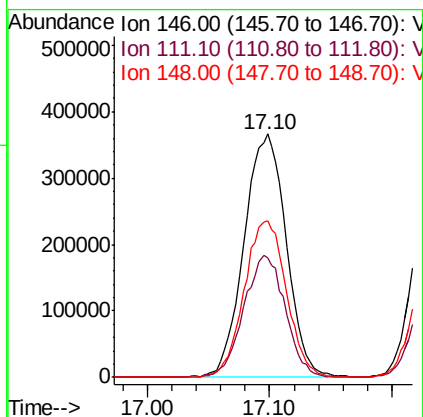
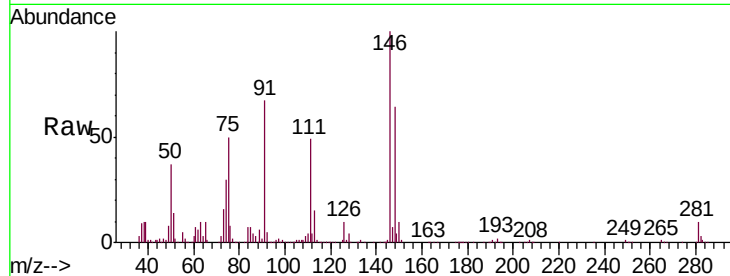




#75
 1,3-Dichlorobenzene
 Concen: 7.238 ppbv
 RT: 17.10 min Scan# 4451
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

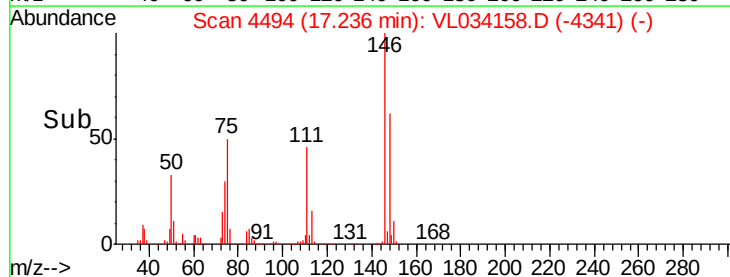
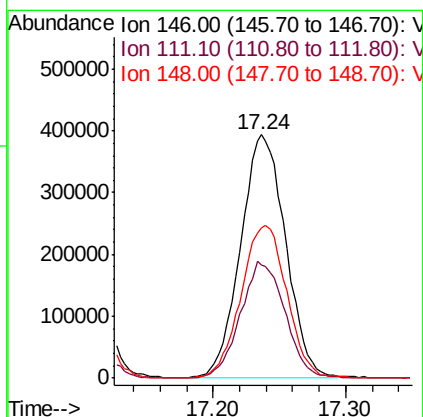
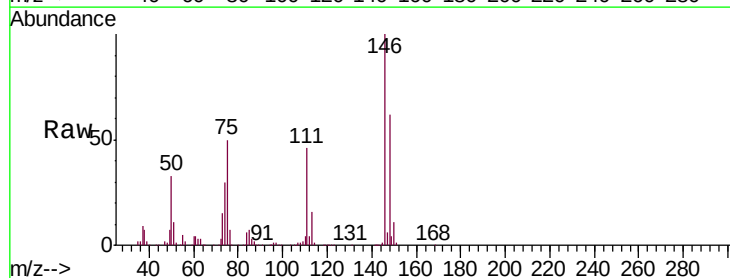
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

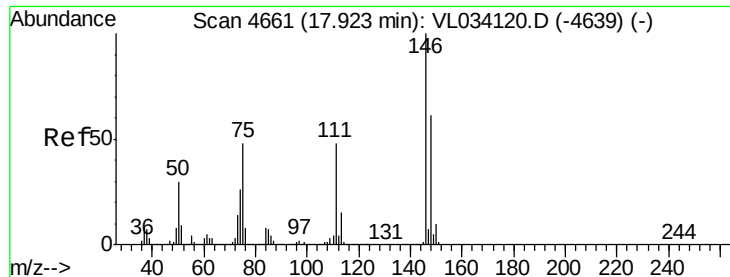
Tgt Ion:146 Resp: 874420
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.9 74.7
 148 64.6 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 7.288 ppbv
 RT: 17.24 min Scan# 4494
 Delta R.T. -0.01 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion:146 Resp: 922793
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.3 72.8
 148 64.6 32.6 98.0

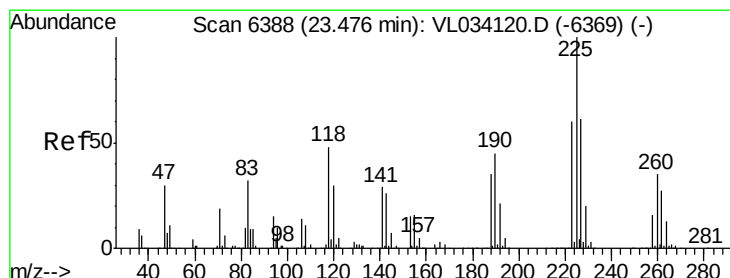
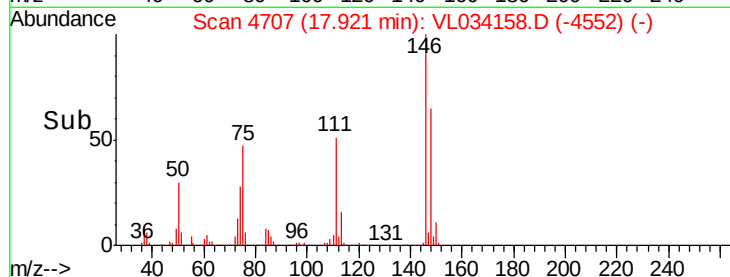
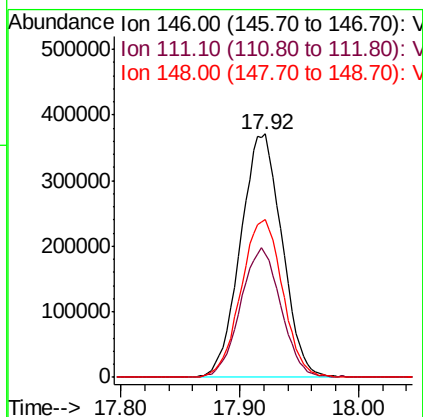
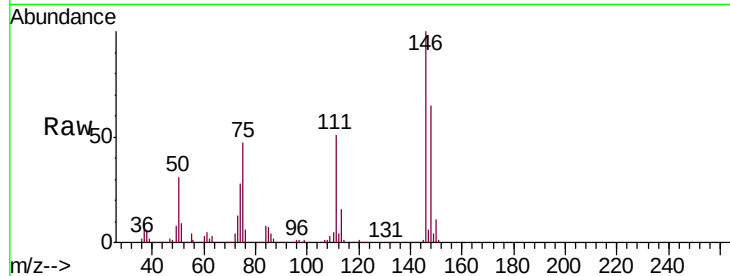




#77
 1,2-Dichlorobenzene
 Concen: 7.262 ppbv
 RT: 17.92 min Scan# 4707
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

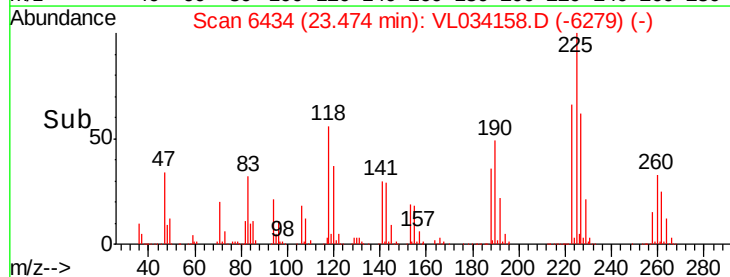
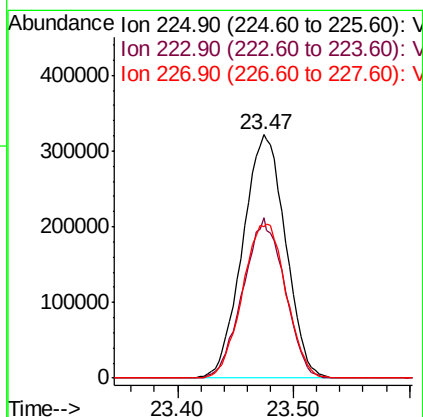
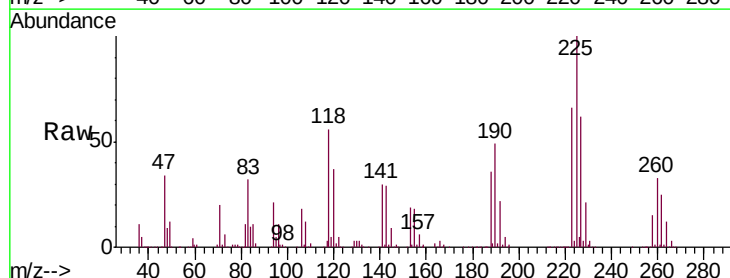
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

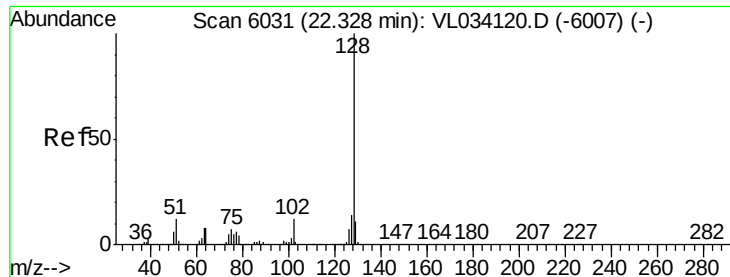
Tgt Ion:146 Resp: 898118
 Ion Ratio Lower Upper
 146 100
 111 51.7 25.1 75.4
 148 65.0 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.771 ppbv
 RT: 23.47 min Scan# 6434
 Delta R.T. -0.00 min
 Lab File: VL034158.D
 Acq: 11 Sep 2019 00:58

Tgt Ion:225 Resp: 824463
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.3 75.5
 227 64.4 50.9 76.3





#79

Naphthalene

Concen: 9.494 ppbv

RT: 22.33 min Scan# 6077

Delta R.T. -0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

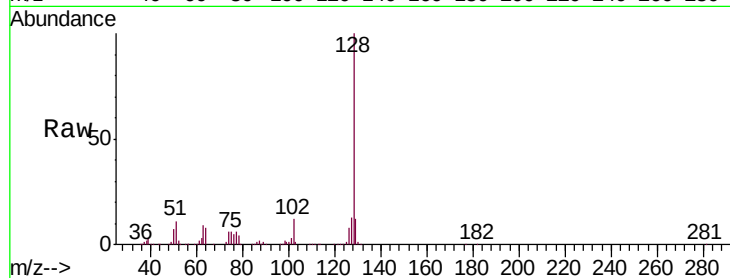
Tgt Ion:128 Resp: 1956926

Ion Ratio Lower Upper

128 100

127 13.1 10.9 16.3

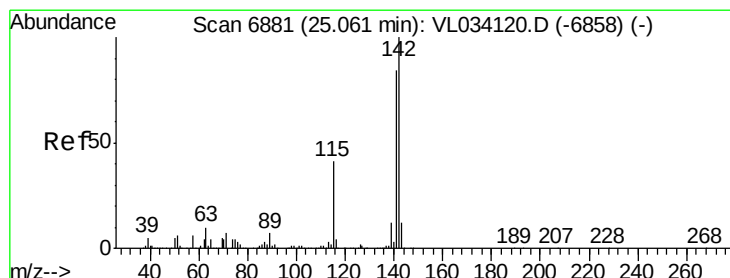
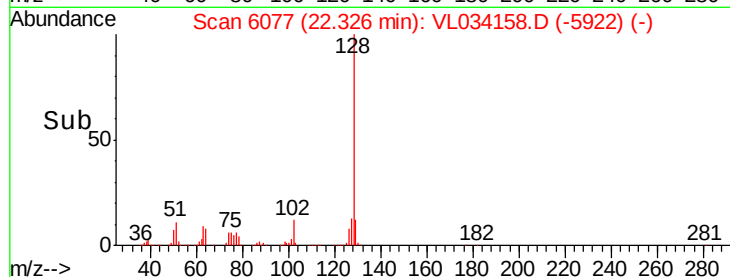
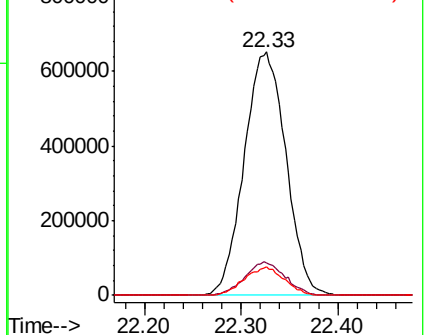
129 11.5 8.5 12.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.229 ppbv

RT: 25.06 min Scan# 6926

Delta R.T. -0.01 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

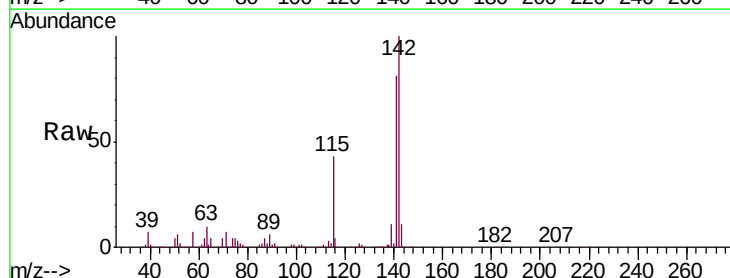
Tgt Ion:142 Resp: 874993

Ion Ratio Lower Upper

142 100

141 83.2 67.6 101.4

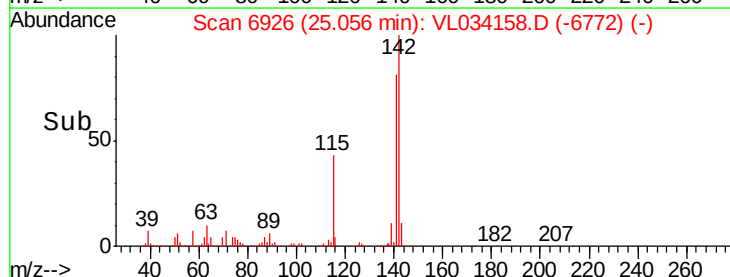
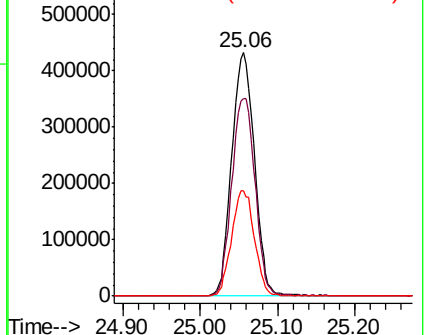
115 43.4 34.6 52.0

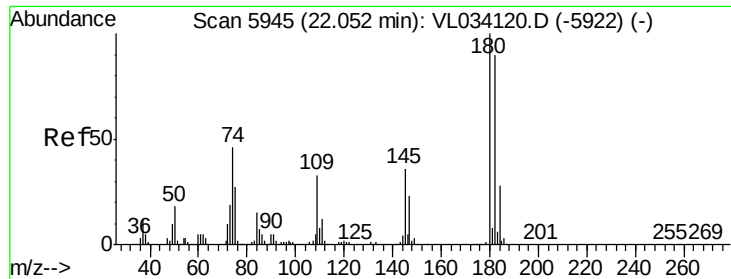


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.868 ppbv

RT: 22.05 min Scan# 5992

Delta R.T. 0.00 min

Lab File: VL034158.D

Acq: 11 Sep 2019 00:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

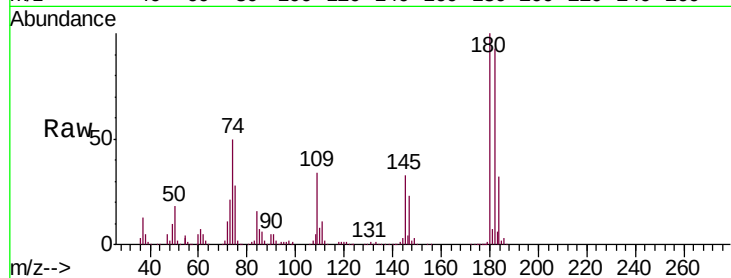
Tgt Ion:180 Resp: 994622

Ion Ratio Lower Upper

180 100

182 94.8 77.0 115.4

184 31.1 25.5 38.3



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

