

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034774.D
 Acq On : 3 Mar 2020 21:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Mar 04 05:49:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1167807	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2476420	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	3048495	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	2069607	8.28	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1342178	7.286	ppbv	93
3) Chlorodifluoromethane	2.97	51	1184350	9.397	ppbv	98
4) Chloromethane	3.12	50	700352	9.927	ppbv	97
5) Vinyl Chloride	3.24	62	639541	9.241	ppbv	93
6) Bromomethane	3.46	94	374054	9.225	ppbv	97
7) Chloroethane	3.54	64	238298	9.275	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1417614	8.700	ppbv	98
9) Propene	2.99	41	532282	10.104	ppbv	100
10) Heptane	8.17	43	1384641	10.211	ppbv	98
11) Trichlorofluoromethane	3.94	101	1433564	8.884	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	995250	8.750	ppbv	98
13) Ethanol	3.60	45	160020	9.615	ppbv	95
14) Bromoethene	3.73	108	445250	9.382	ppbv	99
15) Acetone	3.84	43	1259248	9.463	ppbv	100
16) 1,3-Butadiene	3.31	39	619320	10.054	ppbv	94
17) tert-Butyl alcohol	4.29	59	1164755	11.422	ppbv	99
18) 1,1-Dichloroethene	4.29	96	458618	8.981	ppbv	94
19) Isopropyl Alcohol	3.96	45	883059	11.141	ppbv	99
20) Methylene Chloride	4.34	84	398210	8.046	ppbv	92
21) Allyl Chloride	4.41	41	824813	9.368	ppbv	97
22) trans-1,2-Dichloroethene	4.90	96	459891	9.237	ppbv	100
23) Vinyl Acetate	5.09	43	1968802	10.883	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1317355	9.118	ppbv	99
25) Ethyl Acetate	5.70	43	2296294	9.748	ppbv	99
26) Hexane	5.71	57	1016302	9.361	ppbv	97
27) Carbon Disulfide	4.55	76	1165519	9.457	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	1525093	9.833	ppbv	98
29) Chloroform	5.77	83	1563507	9.039	ppbv	95
30) Cyclohexane	7.17	84	847407	10.071	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1074280	10.055	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1501802	9.297	ppbv	99
34) 2-Butanone	5.26	43	1564167	10.035	ppbv	99
35) Carbon Tetrachloride	7.06	117	1532734	9.242	ppbv	98
36) Benzene	6.93	78	2053598	9.601	ppbv	96
37) 1,2-Dichloroethane	6.34	62	1263977	9.375	ppbv	100
38) Trichloroethene	7.88	130	764027	9.267	ppbv	96
39) 1,2-Dichloropropane	7.66	63	814696	9.574	ppbv	96
40) 1,4-Dioxane	7.87	88	304725	10.530	ppbv #	1
41) Tetrahydrofuran	6.07	42	884929	10.756	ppbv	97
42) Bromodichloromethane	7.84	83	1669065	9.456	ppbv	98
43) Methyl Methacrylate	8.06	69	946424	10.520	ppbv	97

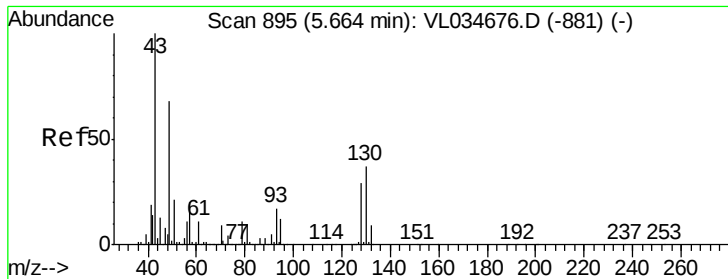
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3536063	9.459	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1090356	11.107	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1264505	10.740	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	824926	9.449	ppbv	97
48) Dibromochloromethane	10.36	129	1342262	9.888	ppbv	99
49) Bromoform	13.11	173	1162636	9.878	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2261170	10.242	ppbv	99
51) 2-Hexanone	10.19	43	1858113	10.695	ppbv #	99
52) Tetrachloroethene	11.29	164	707059	9.019	ppbv	98
53) Toluene	9.86	91	2299748	10.109	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1243725	9.550	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	983065	7.572	ppbv #	58
57) Chlorobenzene	12.21	112	1679628	7.454	ppbv	96
58) Ethyl Benzene	12.78	91	3037669	8.236	ppbv	100
59) m/p-Xylene	13.06	91	2698022	8.387	ppbv #	41
60) o-Xylene	13.76	91	2454750	7.690	ppbv	100
61) Styrene	13.60	104	1761726	8.592	ppbv	98
62) Isopropylbenzene	14.74	105	3593104	7.716	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	1722268	6.922	ppbv	99
64) n-propylbenzene	15.64	120	917392	7.642	ppbv	91
65) tert-Butylbenzene	16.82	119	3091004	7.687	ppbv	100
66) Benzyl Chloride	17.07	91	1380770	9.206	ppbv	99
67) sec-Butylbenzene	17.37	105	4420114	7.639	ppbv	99
69) p-Isopropyltoluene	17.73	119	3671354	7.708	ppbv	100
70) n-Butylbenzene	18.63	91	3992924	7.699	ppbv	100
71) 2-Chlorotoluene	15.53	91	2804016	7.775	ppbv	100
72) 4-Ethyltoluene	15.91	105	2889756	8.133	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2729431	7.986	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	2814100	7.455	ppbv	92
75) 1,3-Dichlorobenzene	17.08	146	1608809	7.384	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1622961	7.445	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1596708	7.580	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1431686	7.806	ppbv	99
79) Naphthalene	22.30	128	2913229	8.770	ppbv	98
80) Naphthalene, 2-methyl-	25.04	142	1296777	12.656	ppbv	96
81) 1,2,4-Trichlorobenzene	22.03	180	781062	3.940	ppbv #	11

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

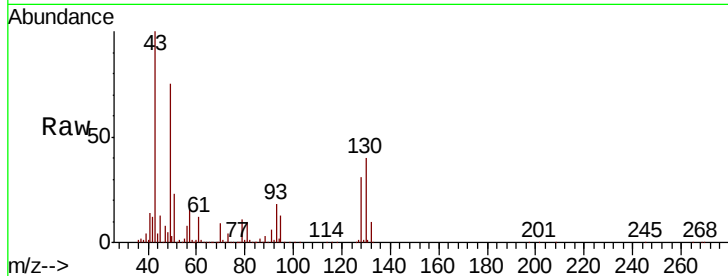
Tot Ion: 49 Resp: 1167807

Ion Ratio Lower Upper

49 100

128 43.0 21.6 65.0

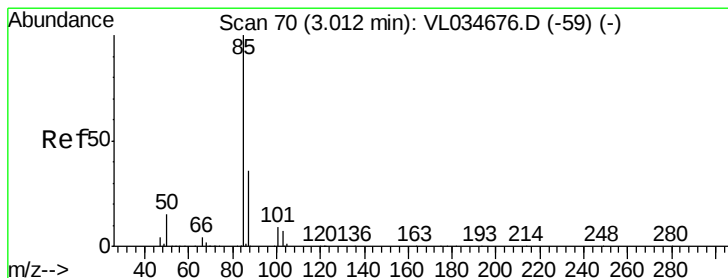
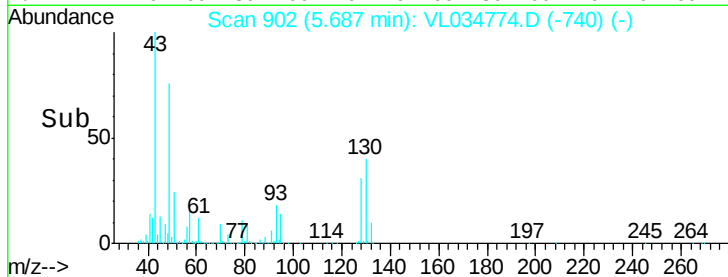
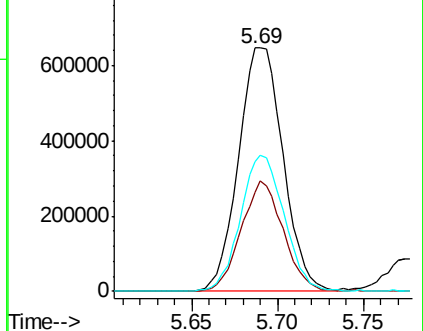
130 55.1 27.7 83.1



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: 7.286 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL034774.D

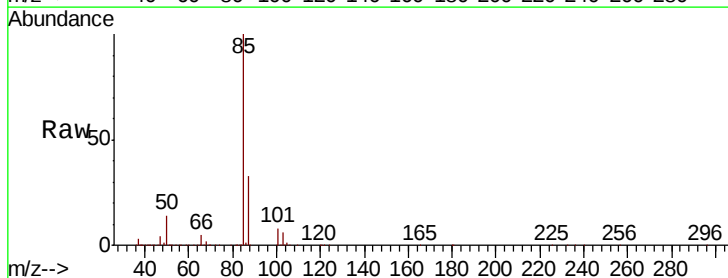
Acq: 3 Mar 2020 21:47

Tgt Ion: 85 Resp: 1342178

Ion Ratio Lower Upper

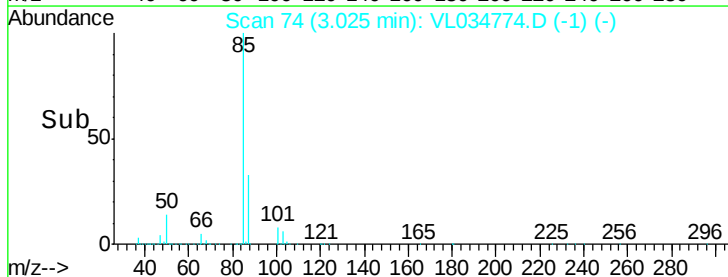
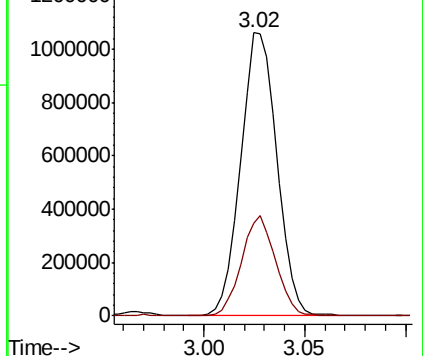
85 100

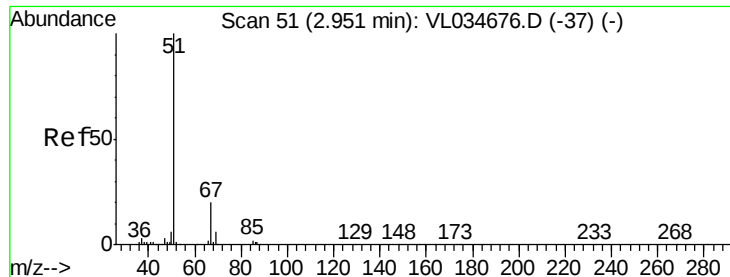
87 32.6 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.397 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

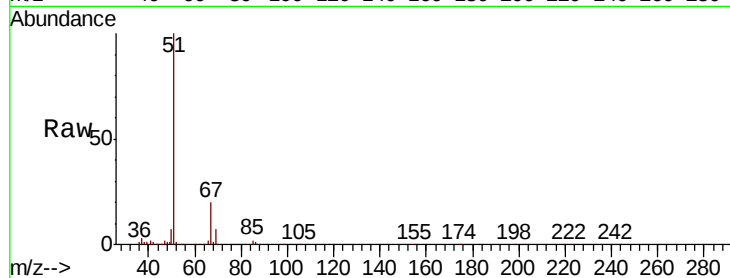
VSTDCCC010EC

Tot Ion: 51 Resp: 1184350

Ion Ratio Lower Upper

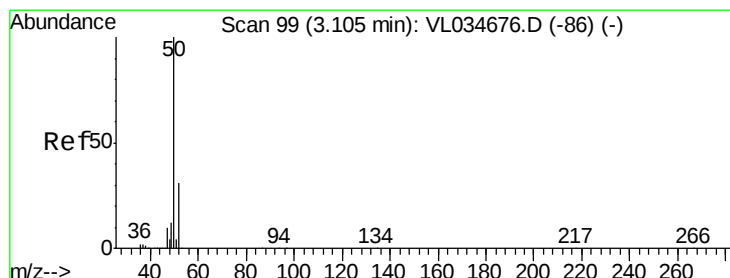
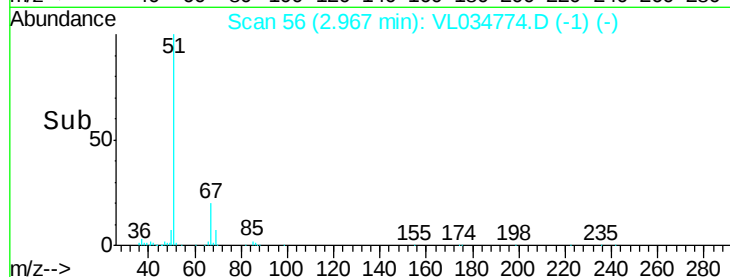
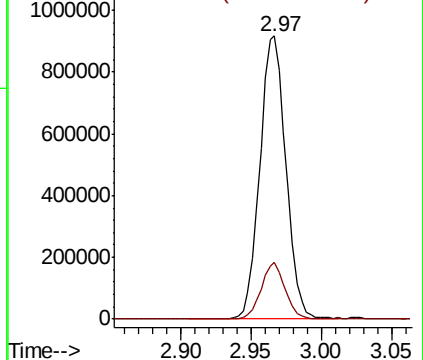
51 100

67 18.3 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.927 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.02 min

Lab File: VL034774.D

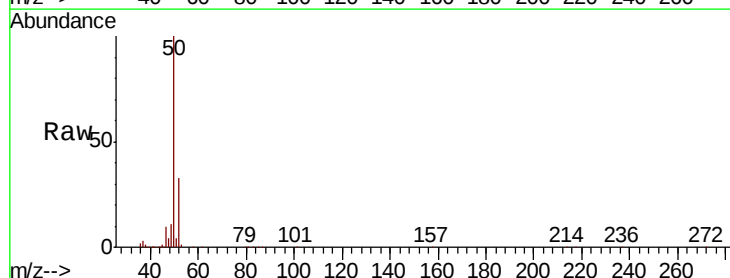
Acq: 3 Mar 2020 21:47

Tgt Ion: 50 Resp: 700352

Ion Ratio Lower Upper

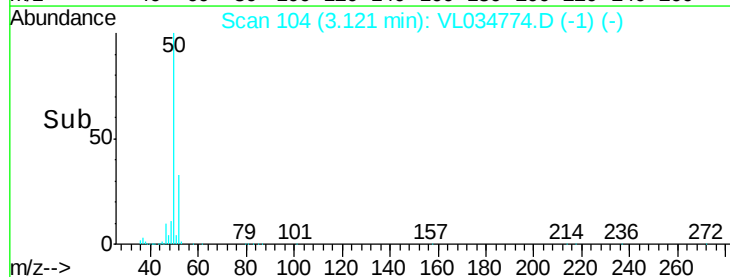
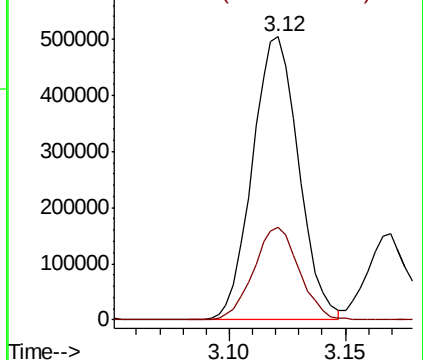
50 100

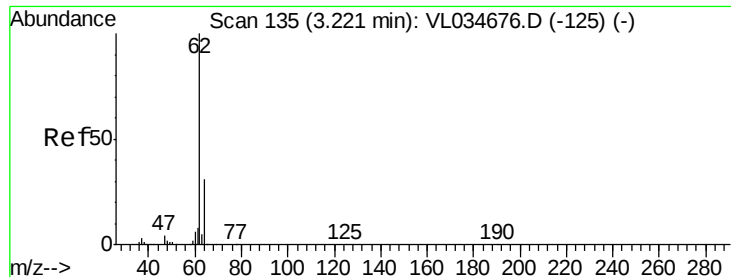
52 32.7 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.241 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

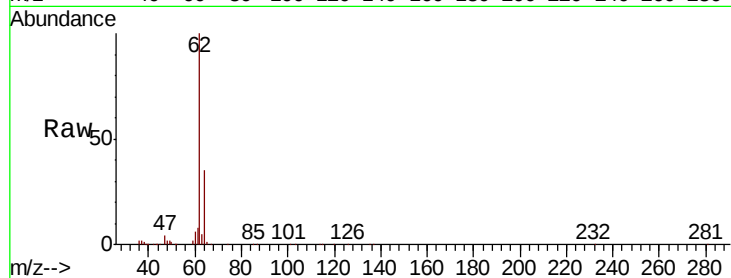
VSTDCCC010EC

Tot Ion: 62 Resp: 639541

Ion Ratio Lower Upper

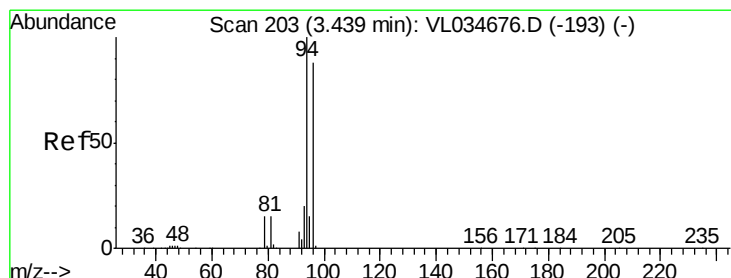
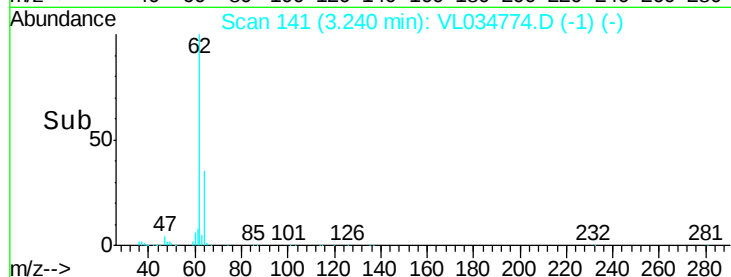
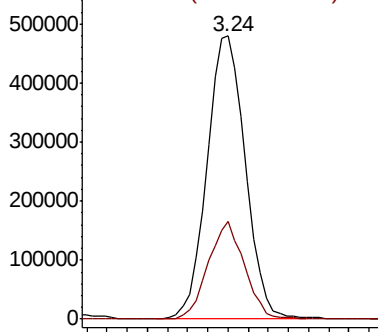
62 100

64 34.7 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.225 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034774.D

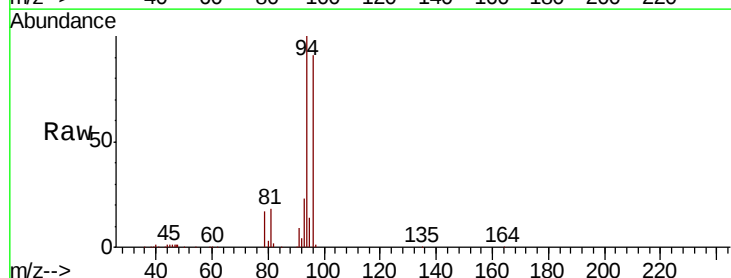
Acq: 3 Mar 2020 21:47

Tgt Ion: 94 Resp: 374054

Ion Ratio Lower Upper

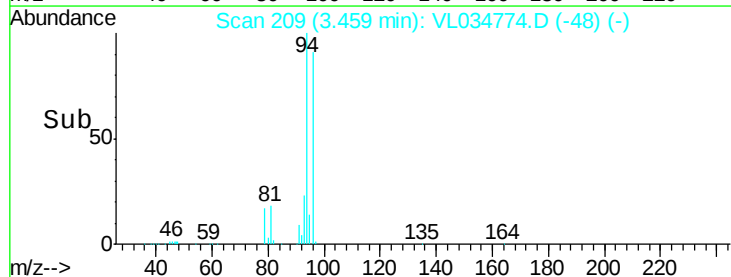
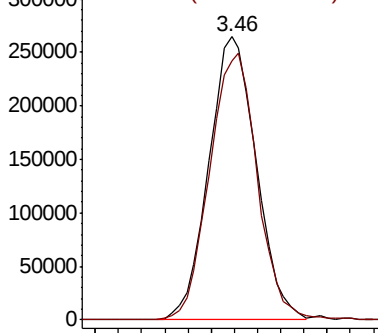
94 100

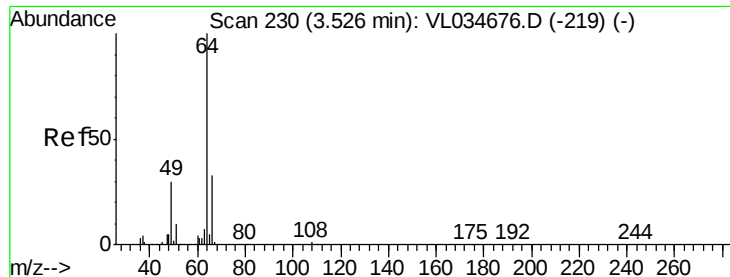
96 91.3 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.275 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

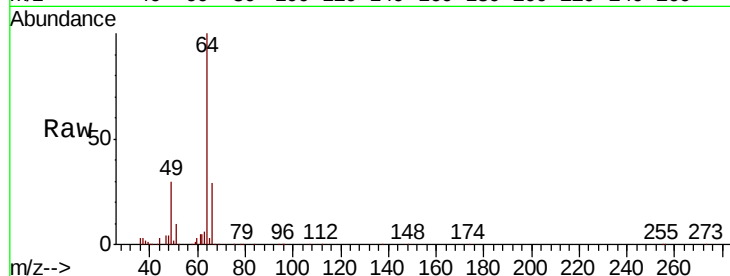
VSTDCCC010EC

Tot Ion: 64 Resp: 238298

Ion Ratio Lower Upper

64 100

66 29.2 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

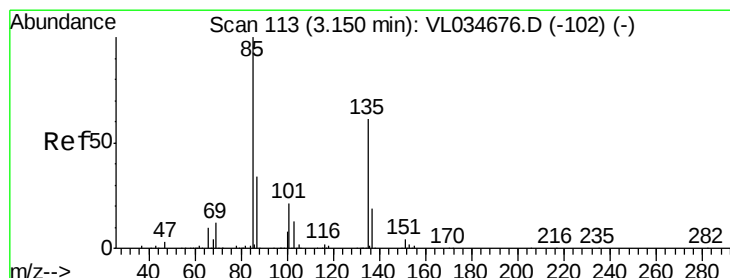
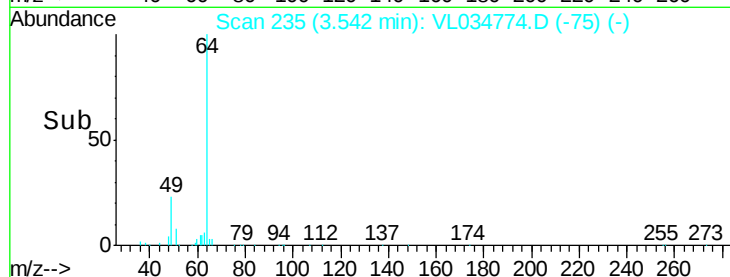
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.700 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL034774.D

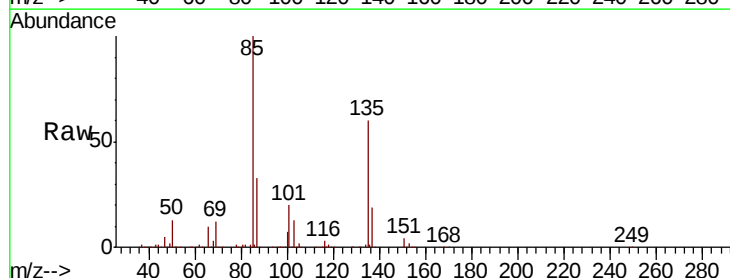
Acq: 3 Mar 2020 21:47

Tgt Ion: 85 Resp: 1417614

Ion Ratio Lower Upper

85 100

135 63.5 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.17

1200000

1000000

800000

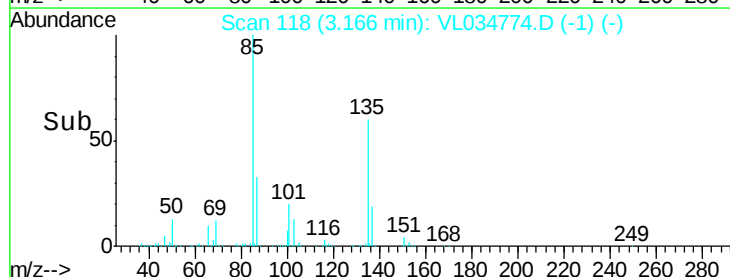
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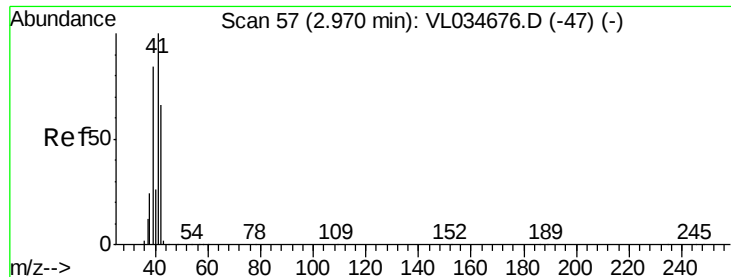
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200000

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Time-->





#9

Propene

Concen: 10.104 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

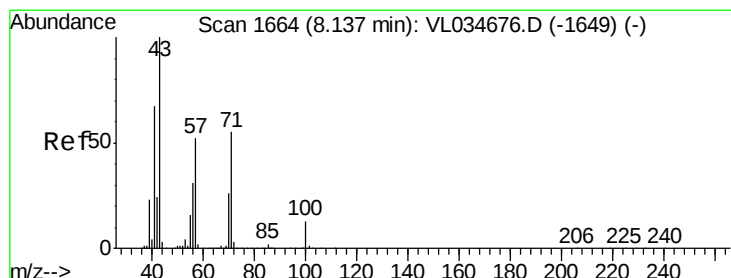
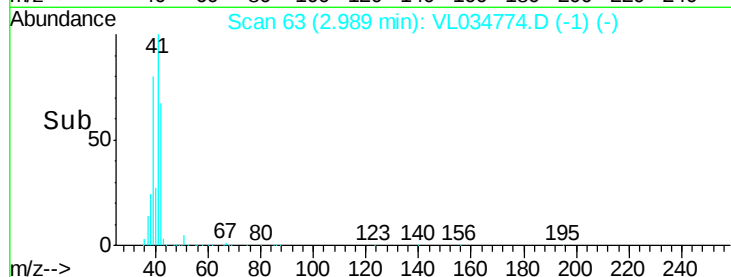
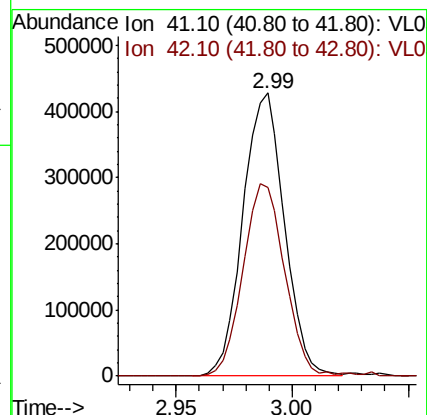
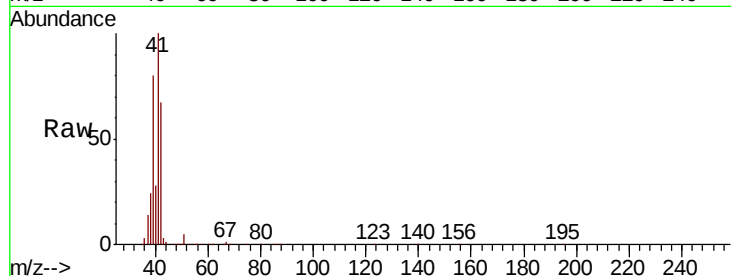
VSTDCCC010EC

Tot Ion: 41 Resp: 532282

Ion Ratio Lower Upper

41 100

42 68.9 54.9 82.3



#10

Heptane

Concen: 10.211 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.03 min

Lab File: VL034774.D

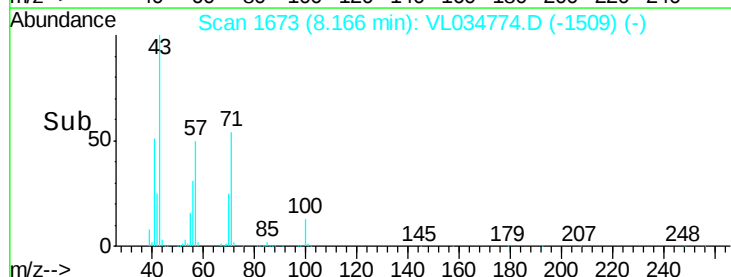
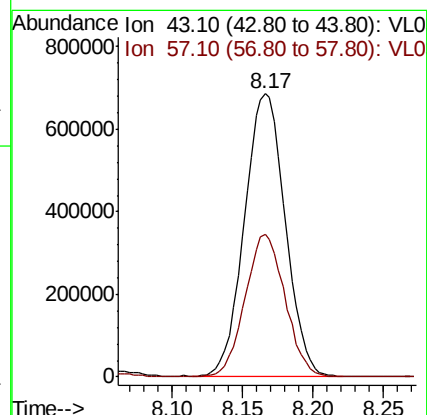
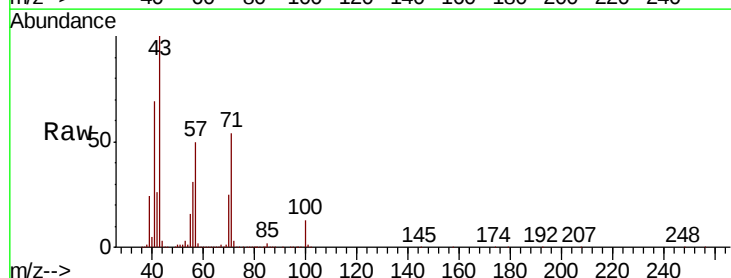
Acq: 3 Mar 2020 21:47

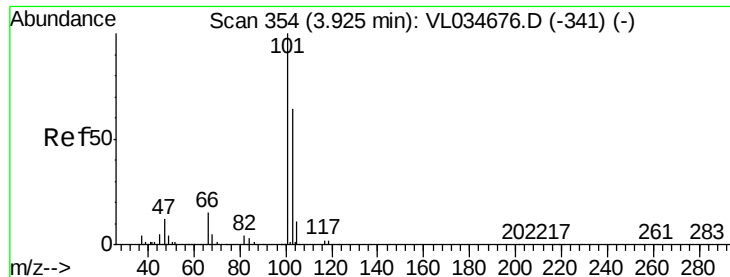
Tgt Ion: 43 Resp: 1384641

Ion Ratio Lower Upper

43 100

57 49.6 41.0 61.6

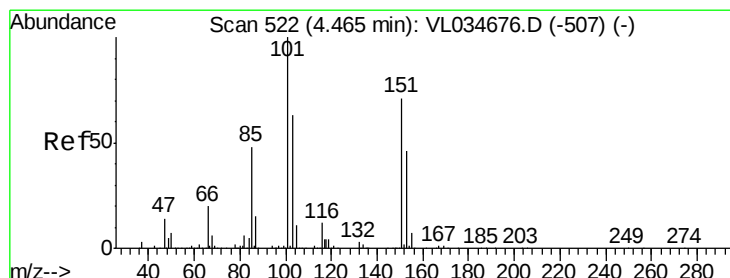
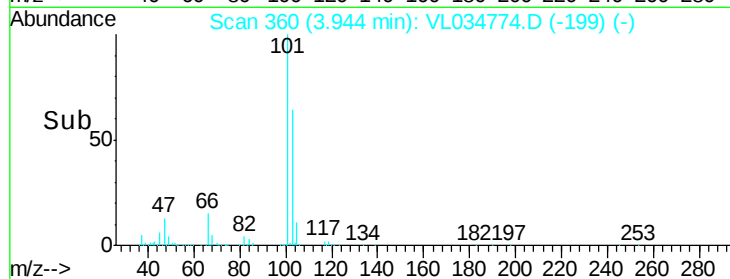
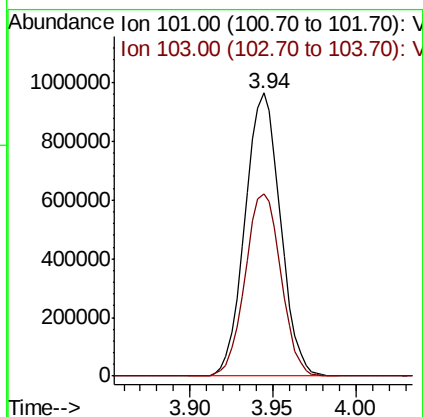
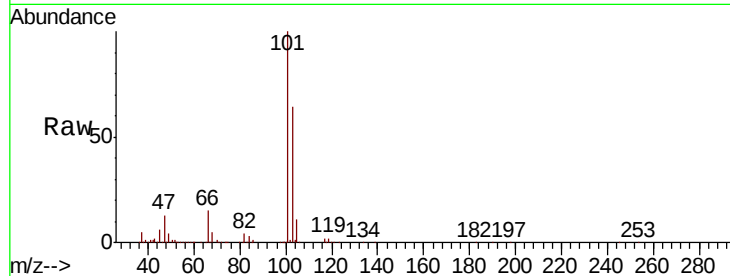




#11
 Trichlorofluoromethane
 Concen: 8.884 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

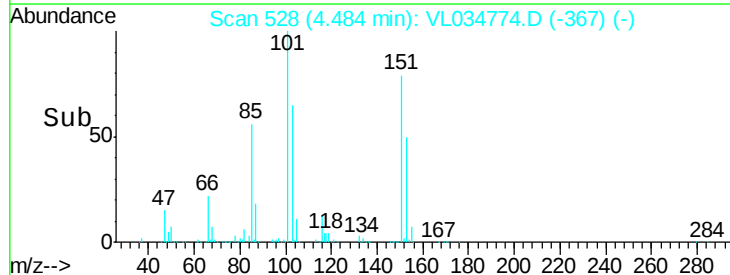
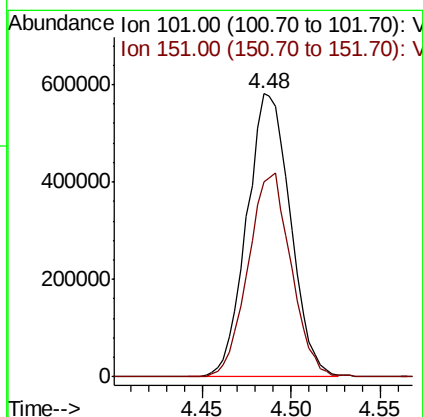
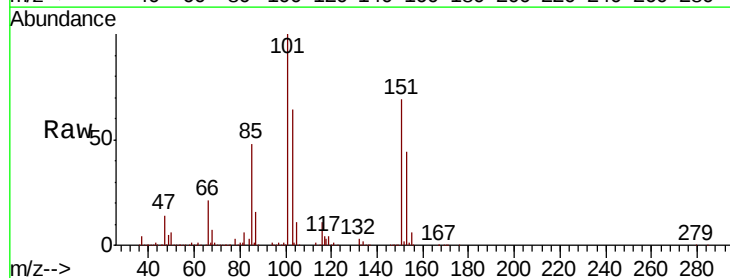
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

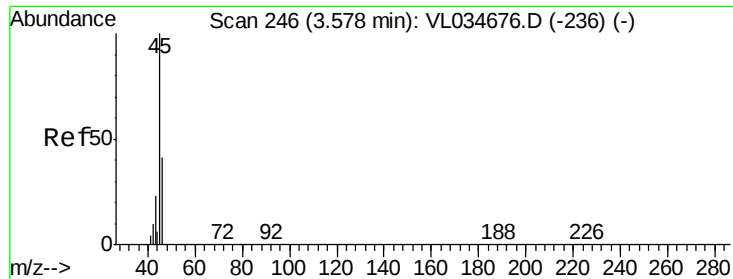
Tot Ion:101 Resp: 1433564
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.750 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:101 Resp: 995250
 Ion Ratio Lower Upper
 101 100
 151 71.1 55.8 83.6





#13

Ethanol

Concen: 9.615 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

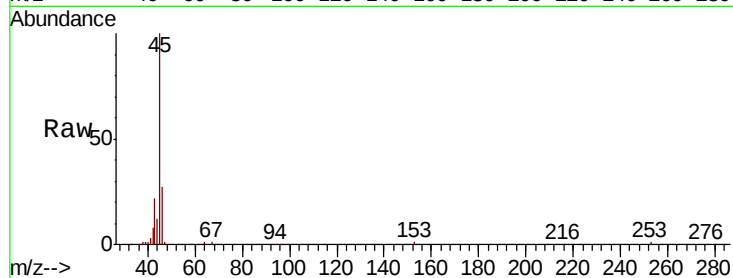
VSTDCCC010EC

Tot Ion: 45 Resp: 160020

Ion Ratio Lower Upper

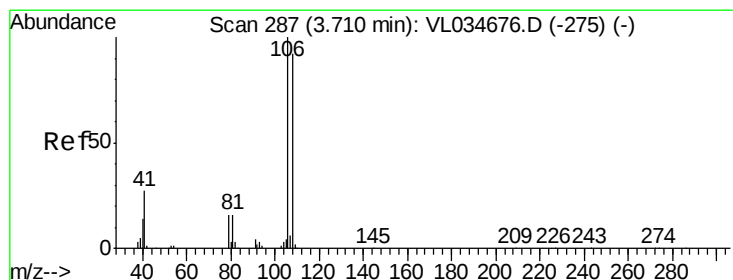
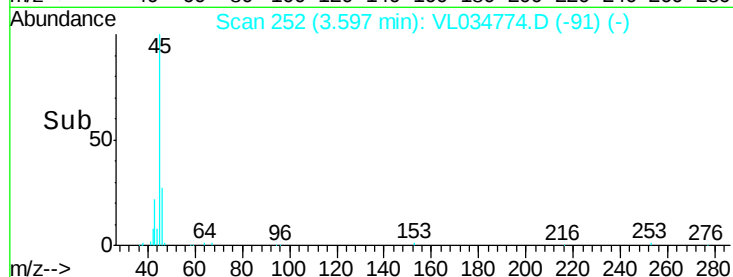
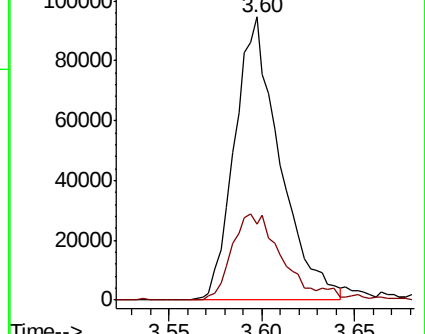
45 100

46 35.2 15.4 61.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.382 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

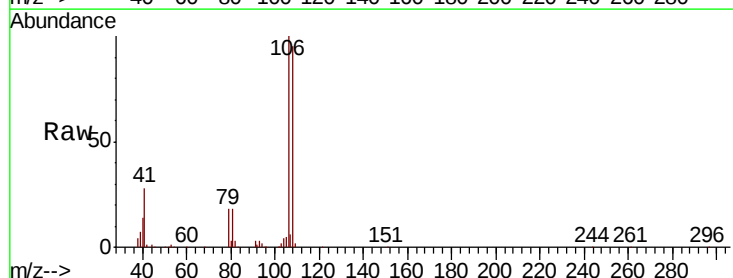
Tgt Ion: 108 Resp: 445250

Ion Ratio Lower Upper

108 100

106 107.4 86.7 130.1

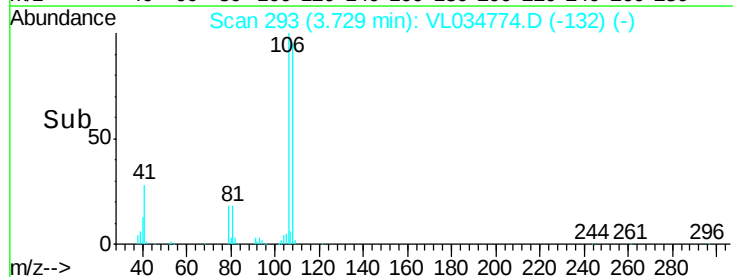
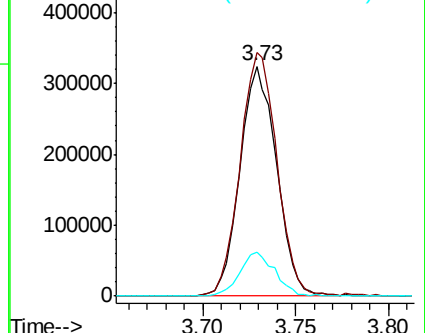
79 18.4 15.0 22.6

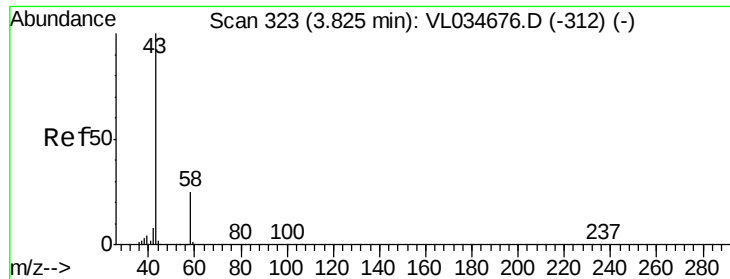


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.463 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

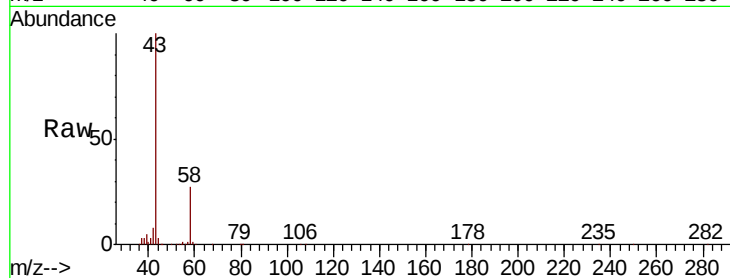
VSTDCCC010EC

Tot Ion: 43 Resp: 1259248

Ion Ratio Lower Upper

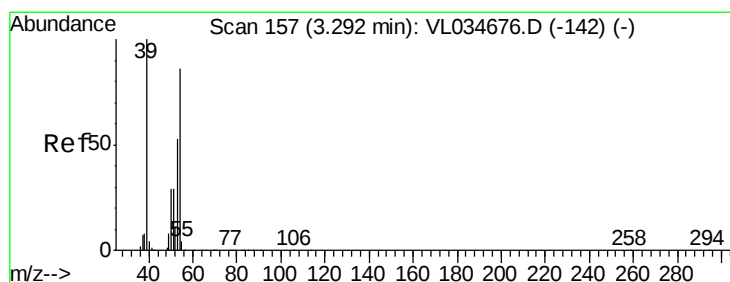
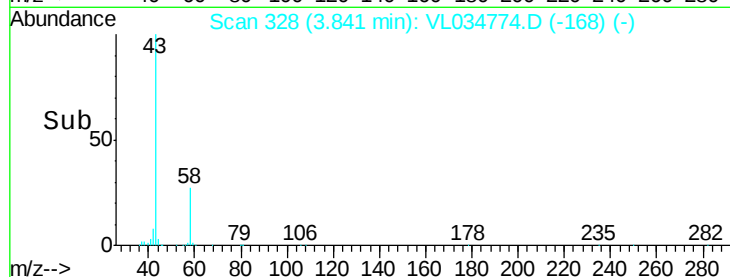
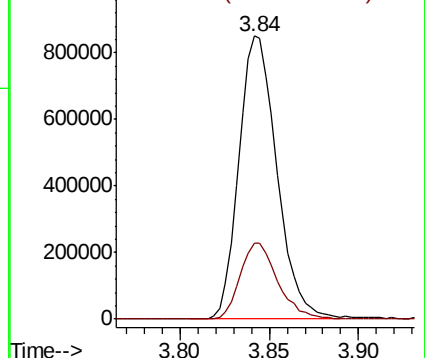
43 100

58 26.8 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.054 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034774.D

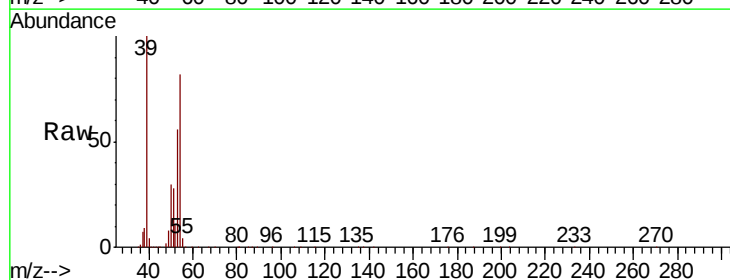
Acq: 3 Mar 2020 21:47

Tgt Ion: 39 Resp: 619320

Ion Ratio Lower Upper

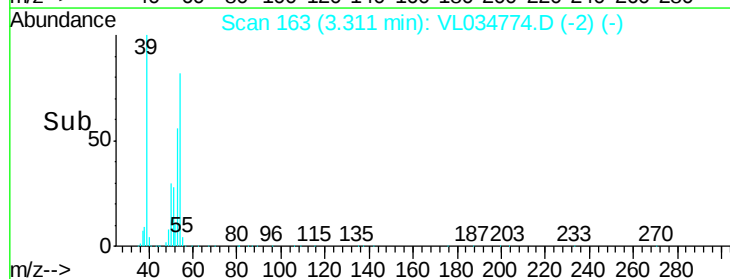
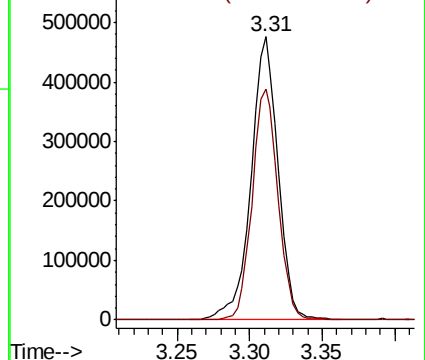
39 100

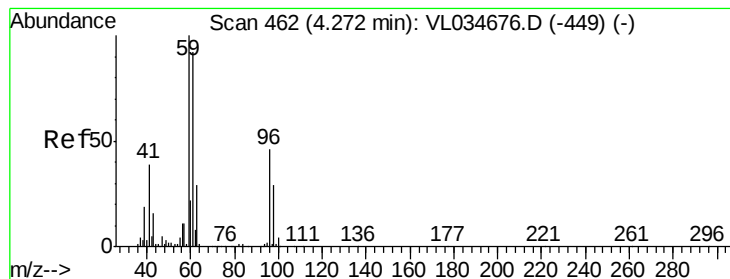
54 78.1 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



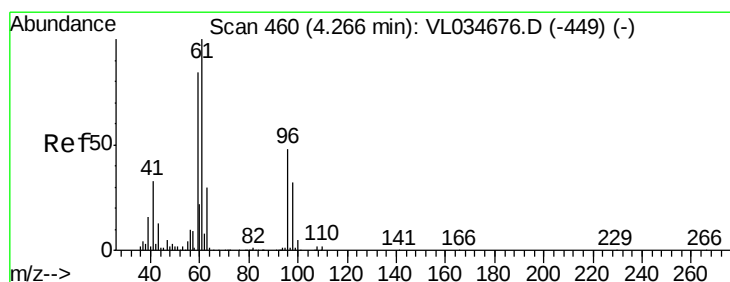
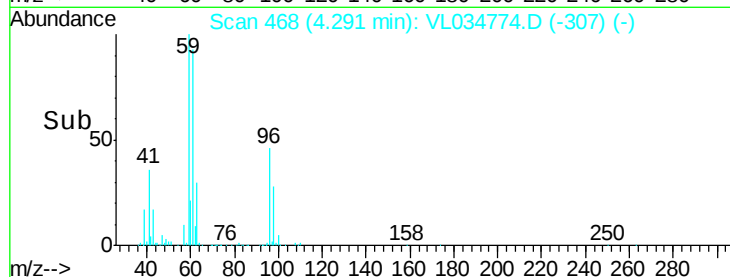
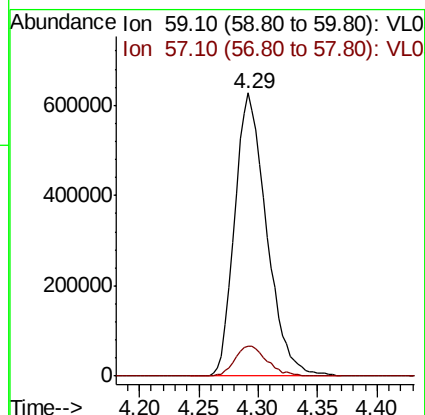
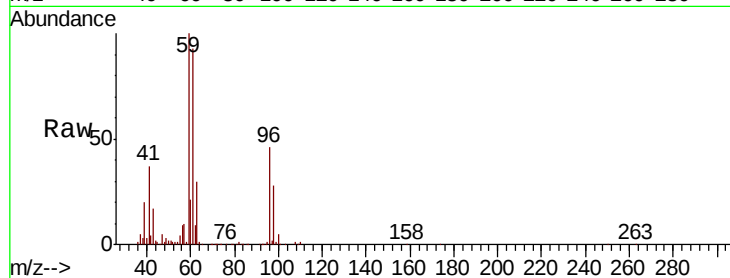


#17

tert-Butyl alcohol
Concen: 11.422 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

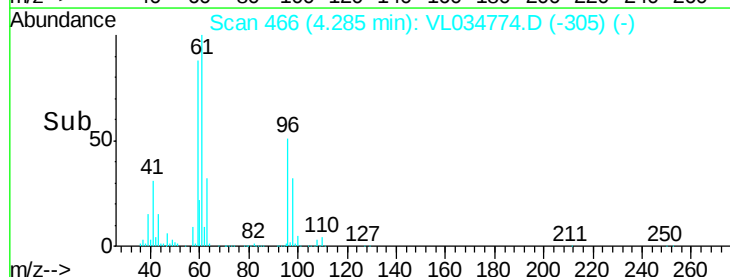
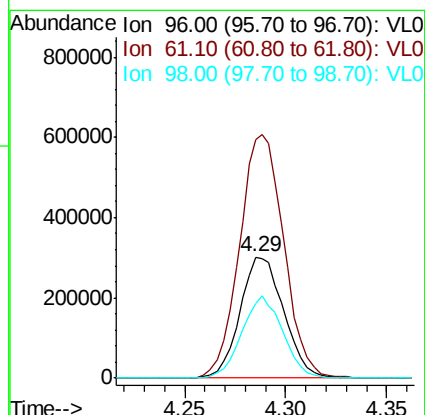
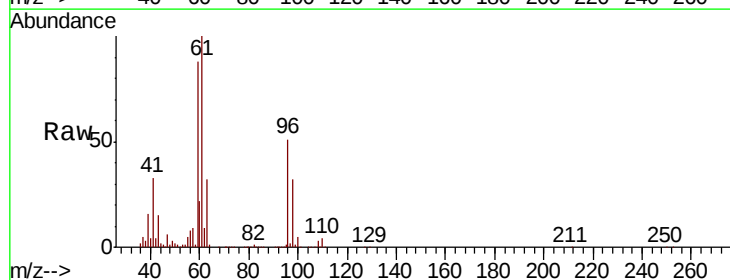
Tot Ion: 59 Resp: 1164755
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2

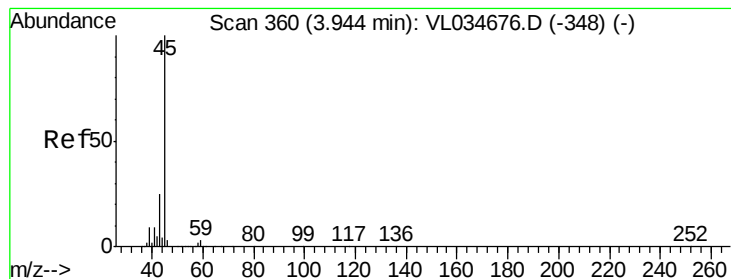


#18

1,1-Dichloroethene
Concen: 8.981 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 96 Resp: 458618
Ion Ratio Lower Upper
96 100
61 196.4 165.1 247.7
98 62.1 52.7 79.1



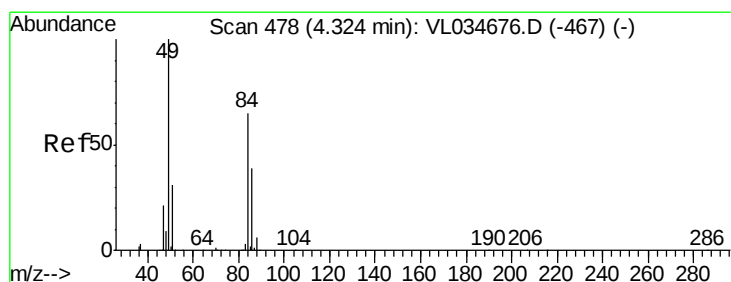
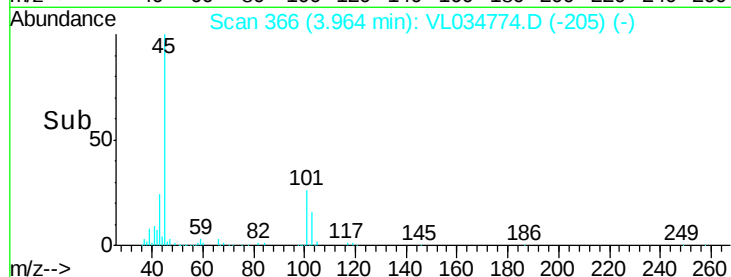
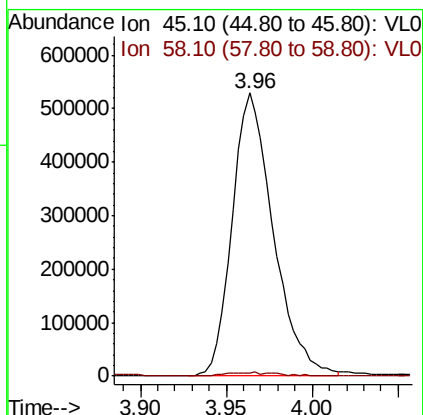
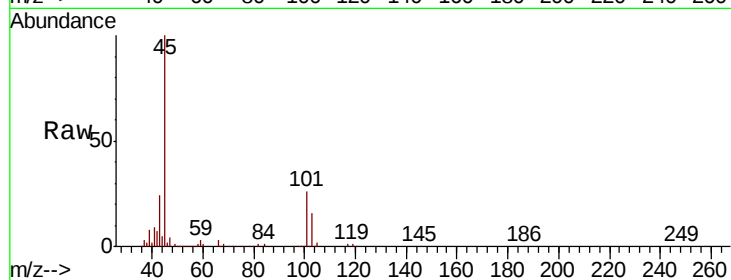


#19

Isopropyl Alcohol
 Concen: 11.141 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

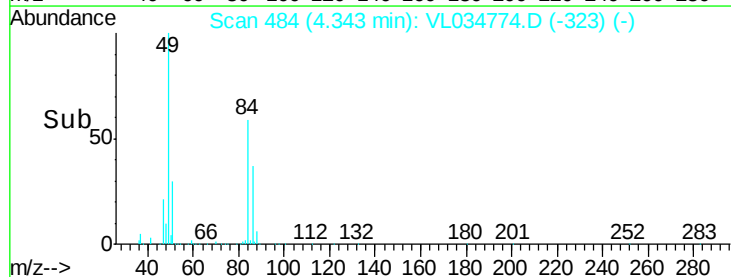
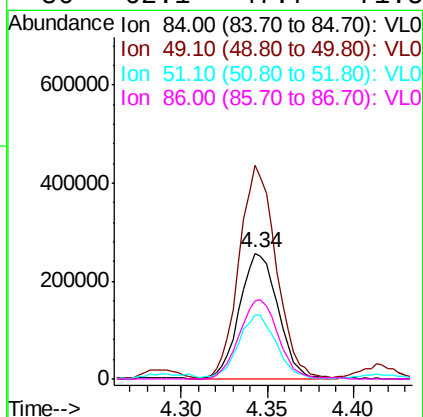
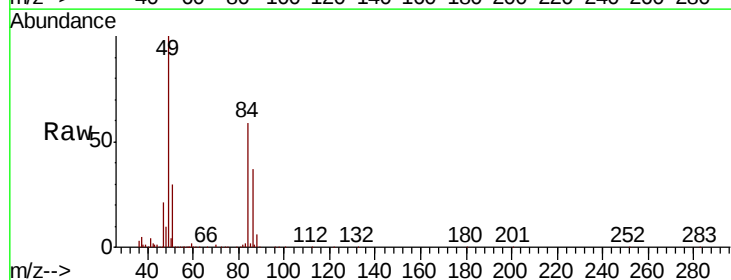
Tot Ion: 45 Resp: 883059
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.8 2.6

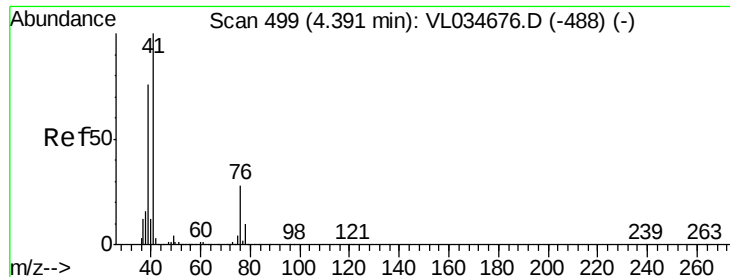


#20

Methylene Chloride
 Concen: 8.046 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 84 Resp: 398210
 Ion Ratio Lower Upper
 84 100
 49 168.4 122.8 184.2
 51 50.1 38.6 58.0
 86 62.1 47.7 71.5

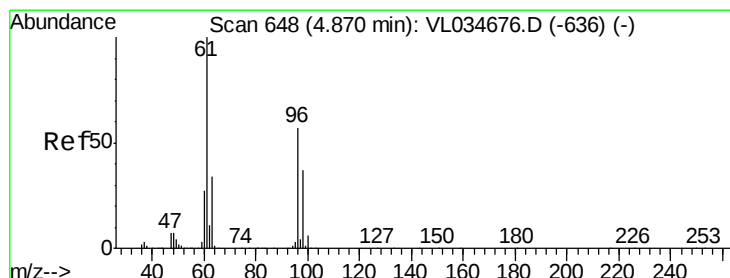
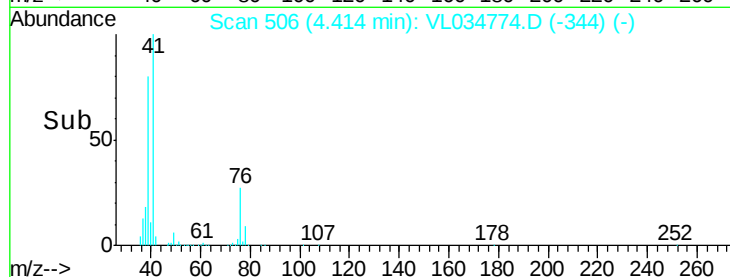
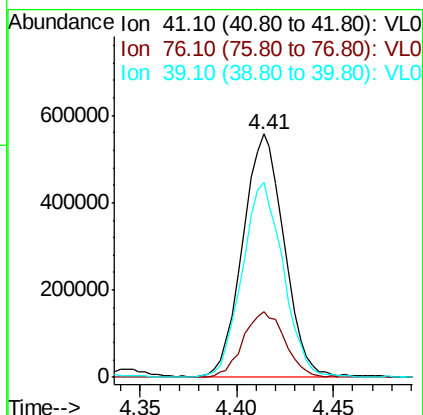
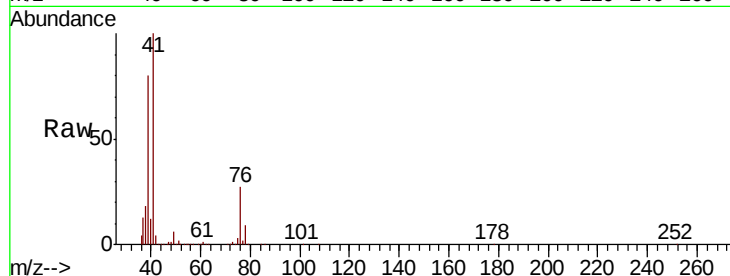




#21
Allvl Chloride
Concen: 9.368 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.02 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

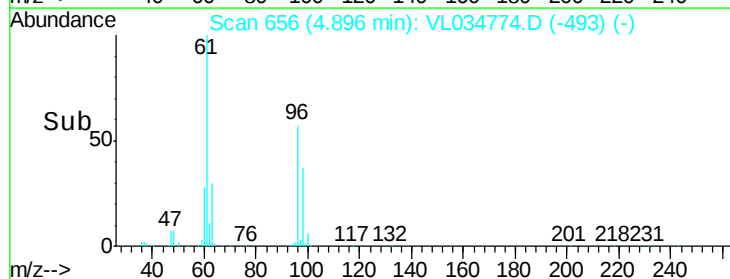
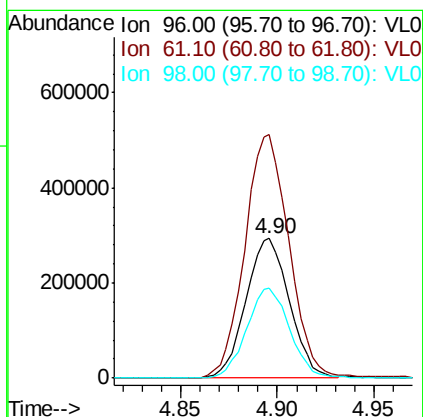
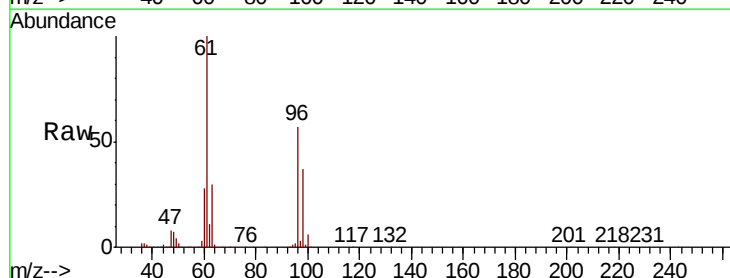
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

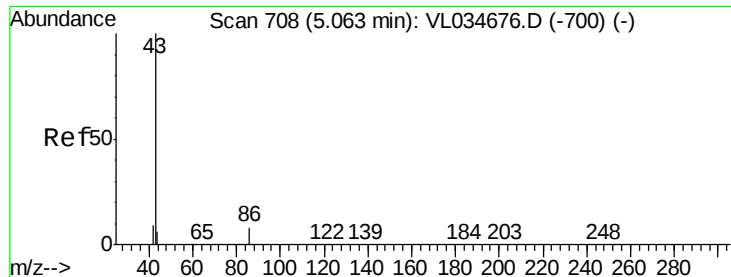
Tot Ion: 41 Resp: 824813
Ion Ratio Lower Upper
41 100
76 27.6 22.8 34.2
39 80.2 61.7 92.5



#22
trans-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 96 Resp: 459891
Ion Ratio Lower Upper
96 100
61 174.6 139.4 209.0
98 64.2 51.3 76.9





#23

Vinyl Acetate

Concen: 10.883 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1968802

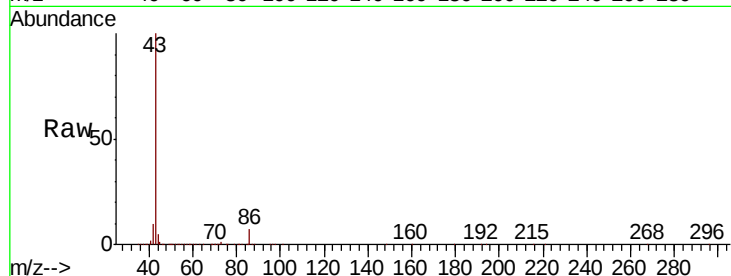
Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

42 10.1 8.0 12.0

44 5.0 4.5 6.7

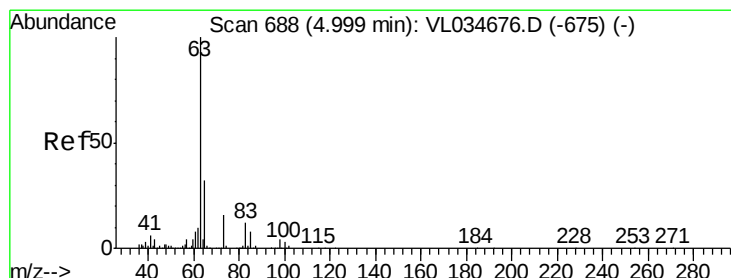
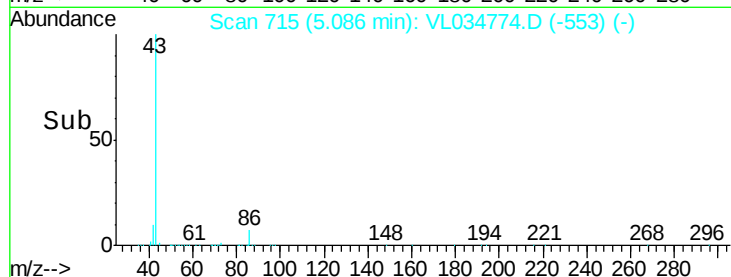
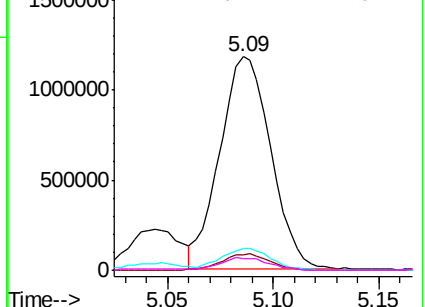


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.118 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

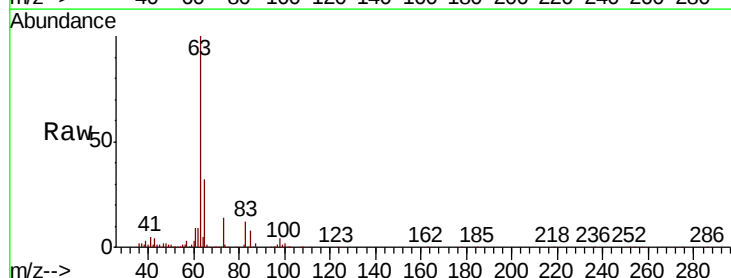
Tgt Ion: 63 Resp: 1317355

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

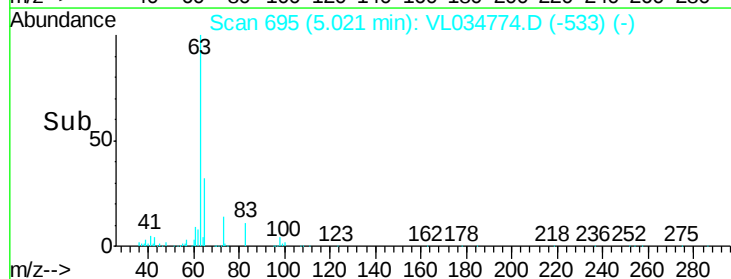
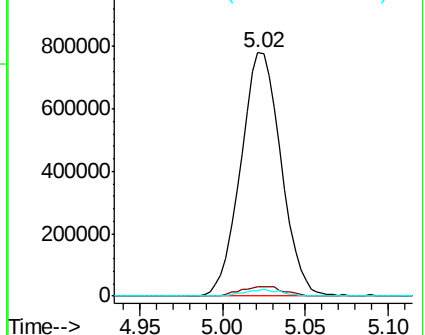
100 2.2 1.4 4.0

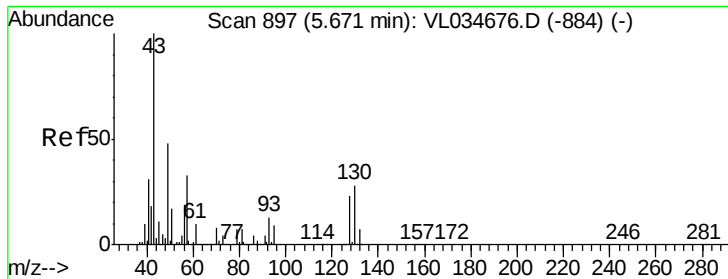


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.748 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2296294

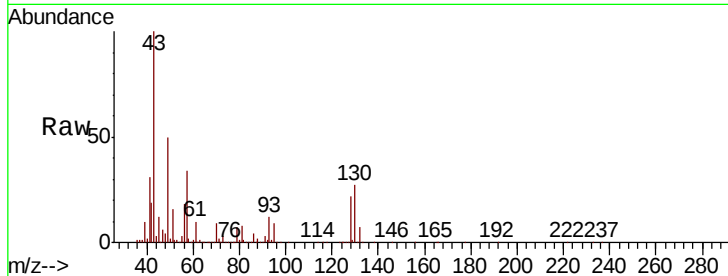
Ion Ratio Lower Upper

43 100

45 10.4 8.2 12.4

61 9.4 7.8 11.6

70 7.3 6.1 9.1

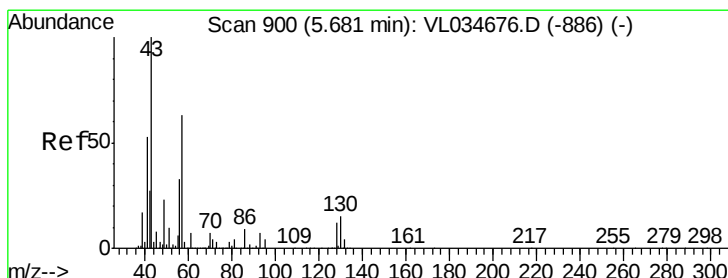
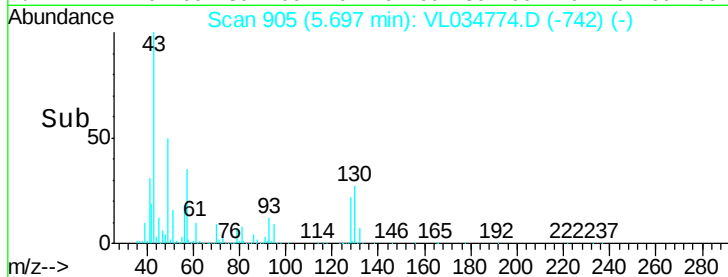
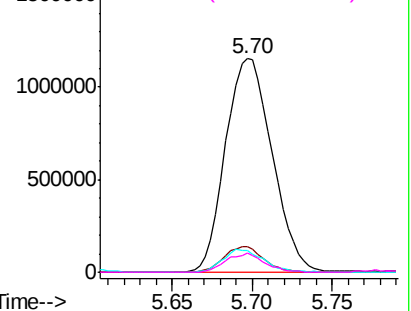


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.361 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 57 Resp: 1016302

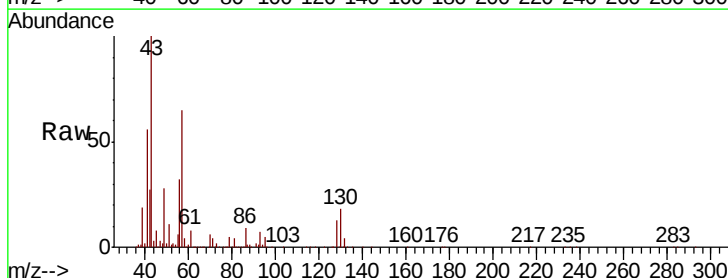
Ion Ratio Lower Upper

57 100

41 89.8 70.3 105.5

43 227.7 177.0 265.4

56 52.9 42.6 64.0

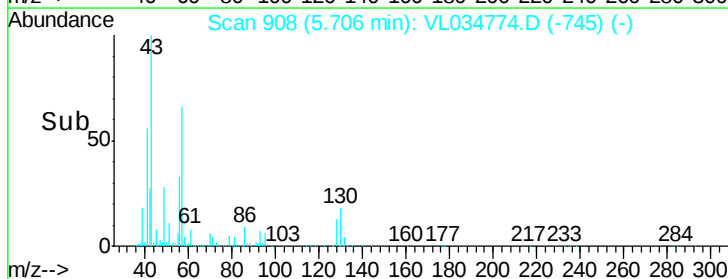
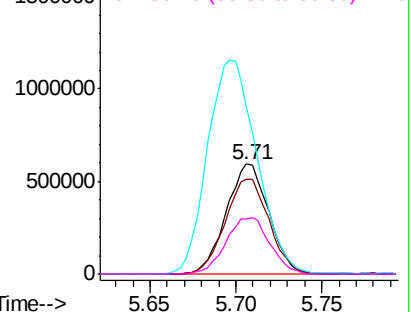


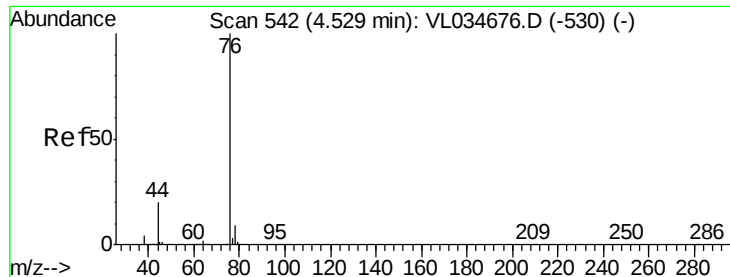
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 9.457 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

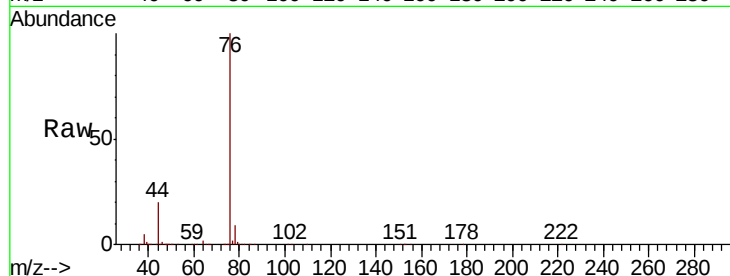
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1165519

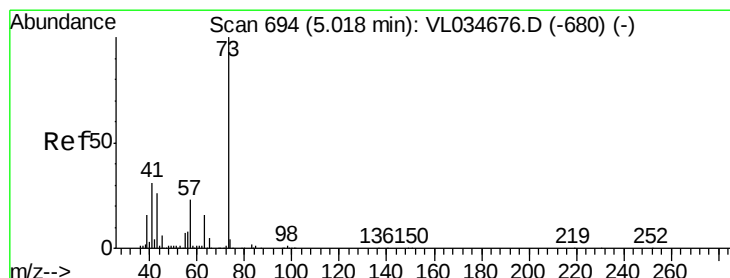
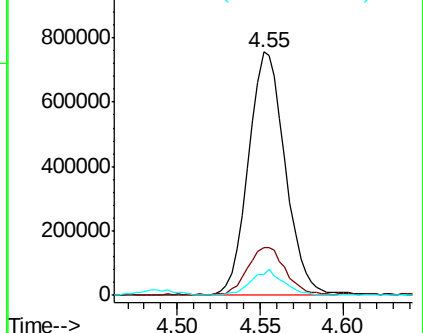
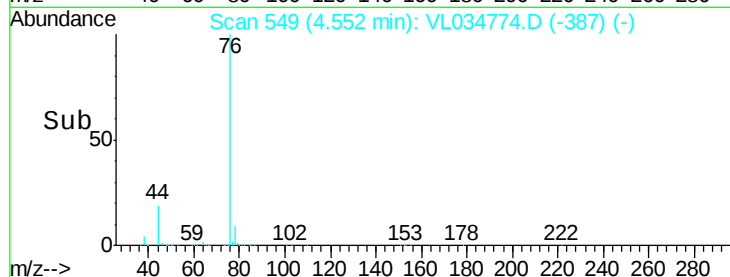
Ion	Ratio	Lower	Upper
76	100		
44	20.8	15.3	22.9
78	9.2	7.6	11.4



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: 9.833 ppbv

RT: 5.04 min Scan# 702

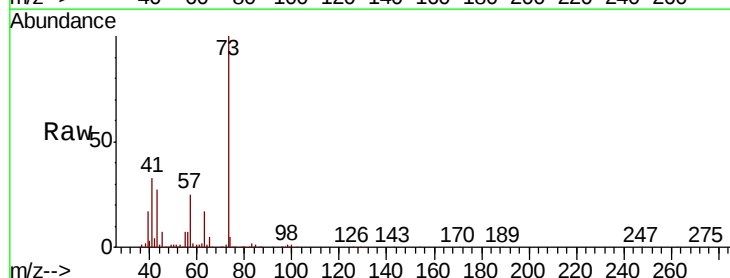
Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

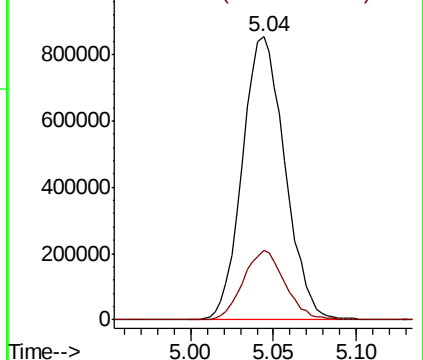
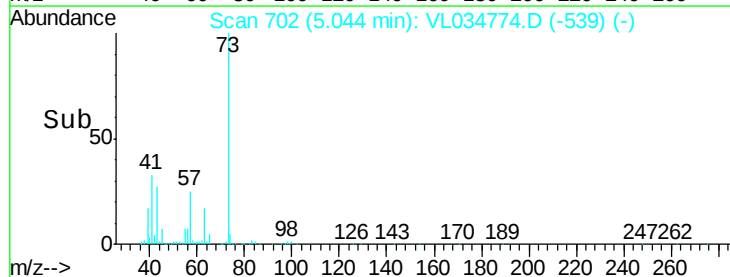
Tgt Ion: 73 Resp: 1525093

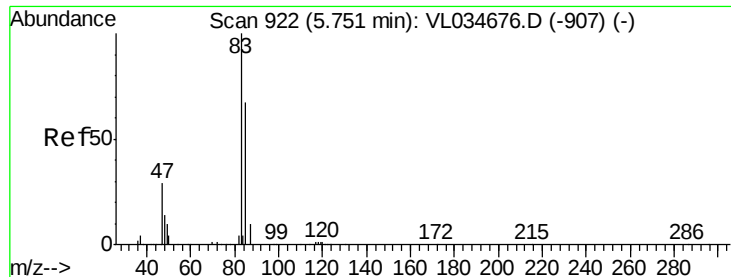
Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.6	28.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.039 ppbv

RT: 5.77 min Scan# 929

Delta R.T. 0.02 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

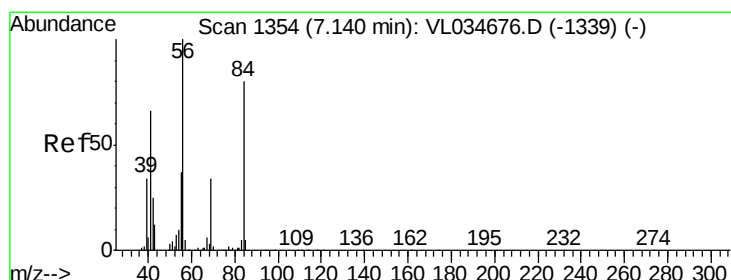
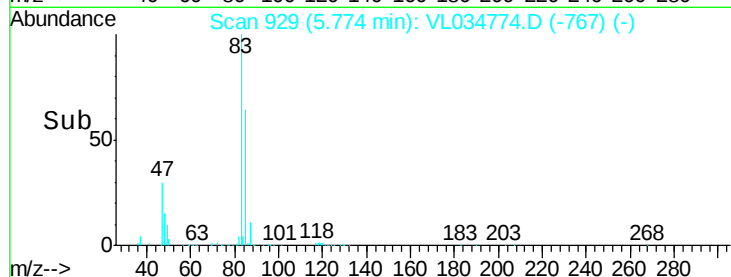
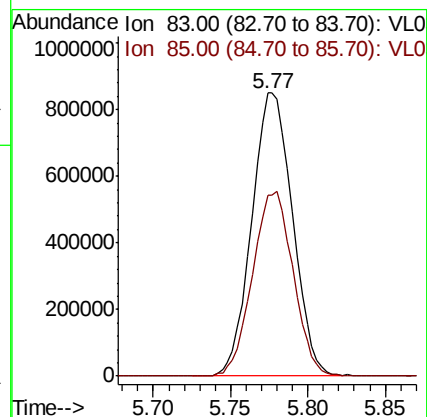
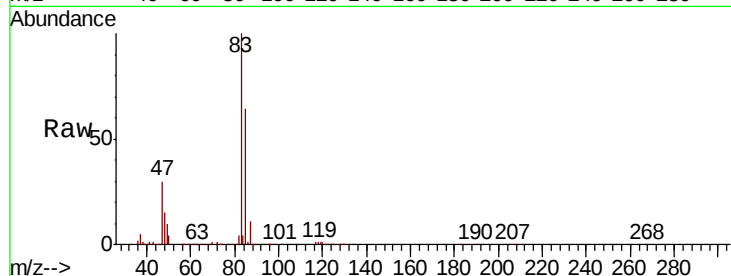
VSTDCCC010EC

Tot Ion: 83 Resp: 1563507

Ion Ratio Lower Upper

83 100

85 63.6 53.9 80.9



#30

Cyclohexane

Concen: 10.071 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

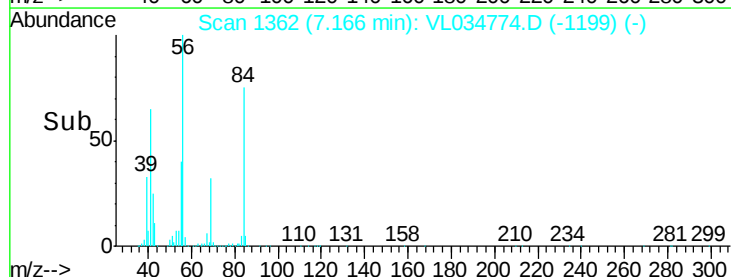
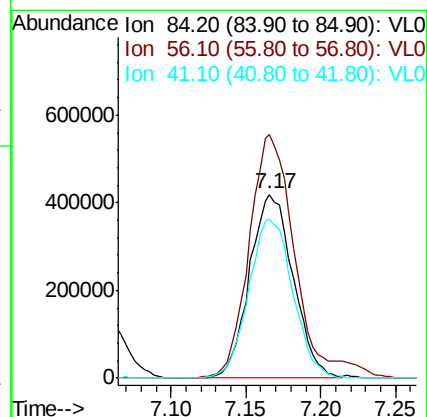
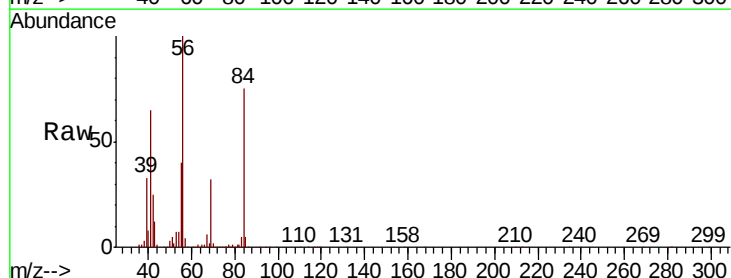
Tgt Ion: 84 Resp: 847407

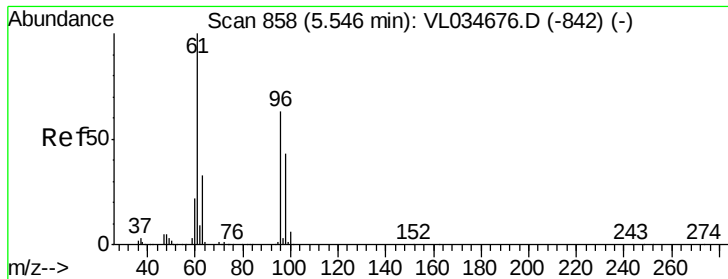
Ion Ratio Lower Upper

84 100

56 140.4 113.4 170.2

41 88.1 68.2 102.4



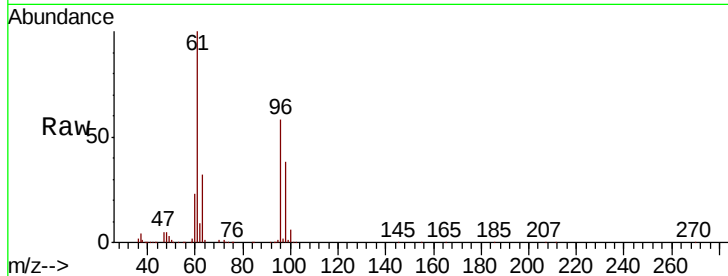


#31

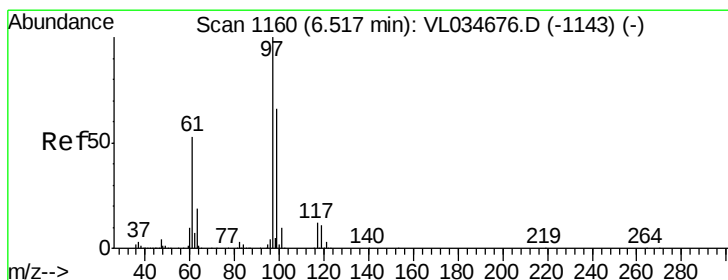
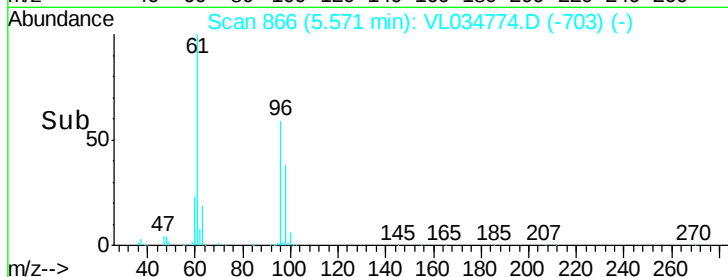
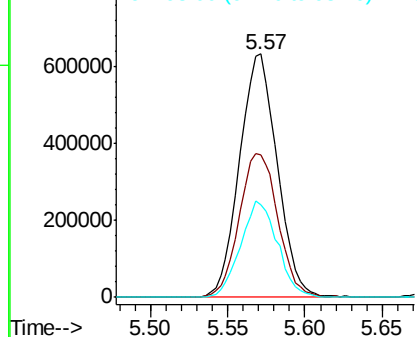
cis-1,2-Dichloroethene
 Concen: 10.055 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1074280
 Ion Ratio Lower Upper
 61 100
 96 58.3 50.2 75.2
 98 38.1 34.3 51.5



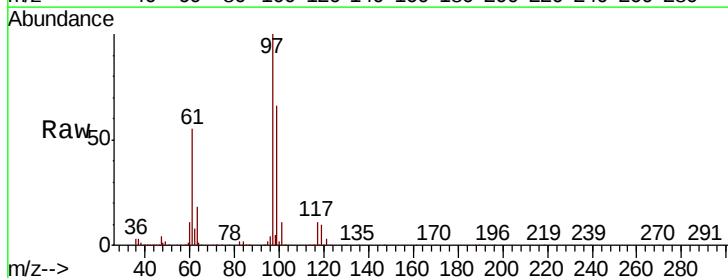
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



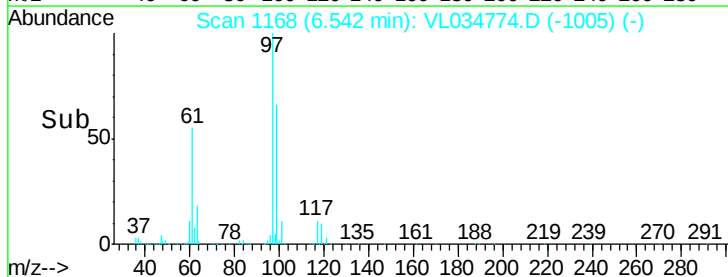
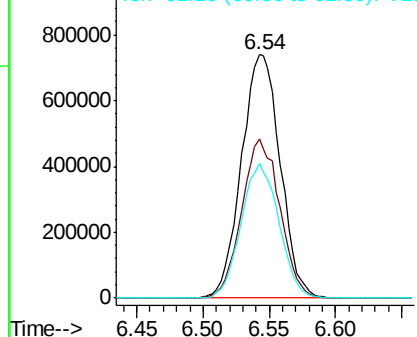
#32

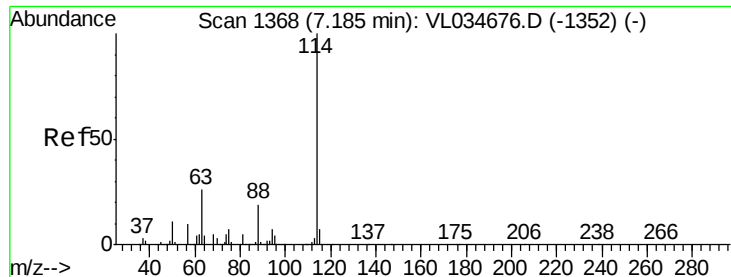
1,1,1-Trichloroethane
 Concen: 9.297 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 97 Resp: 1501802
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.3 78.5
 61 54.1 42.8 64.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

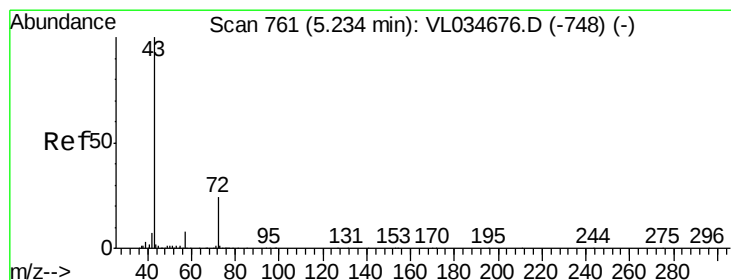
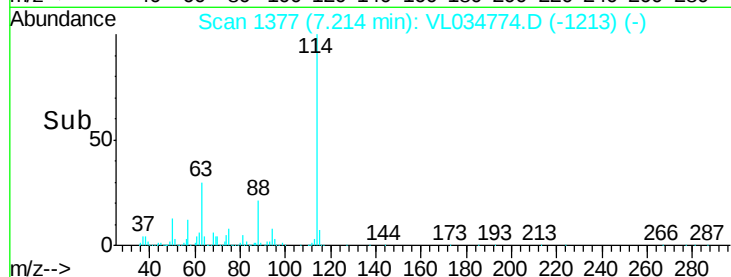
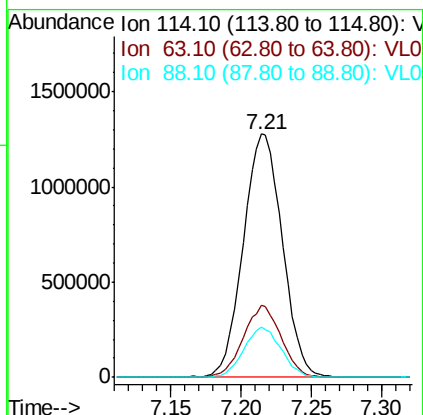
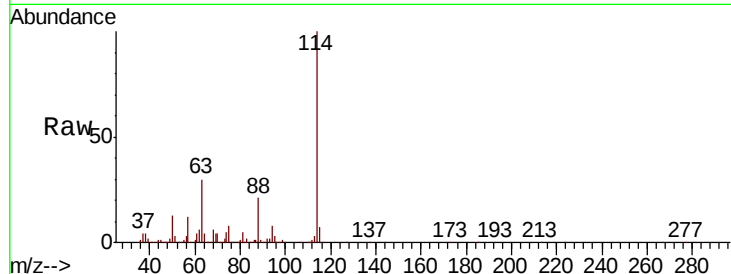




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

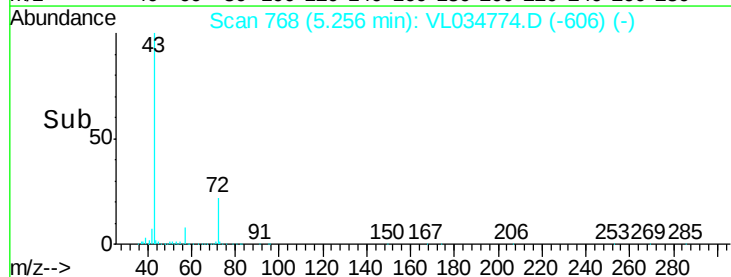
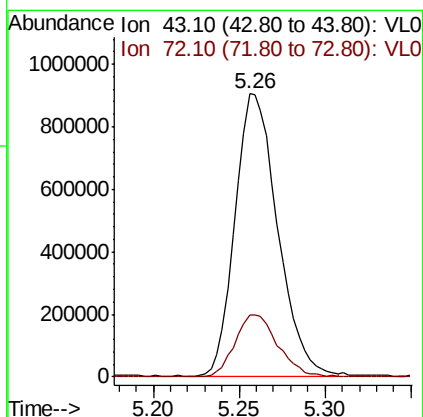
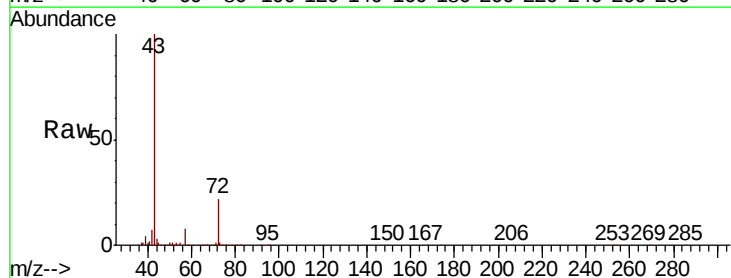
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

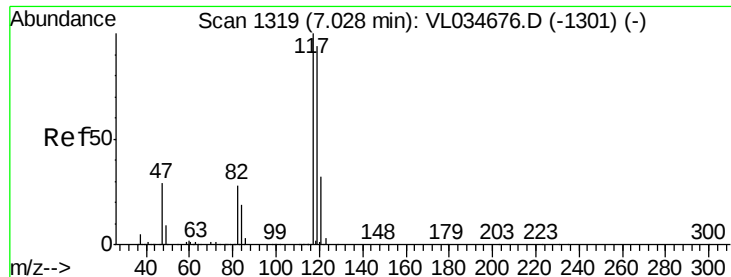
Tot Ion:114 Resp: 2476420
 Ion Ratio Lower Upper
 114 100
 63 28.9 22.9 34.3
 88 20.0 15.8 23.6



#34
 2-Butanone
 Concen: 10.035 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 1564167
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.242 ppbv

RT: 7.06 min Scan# 1328

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

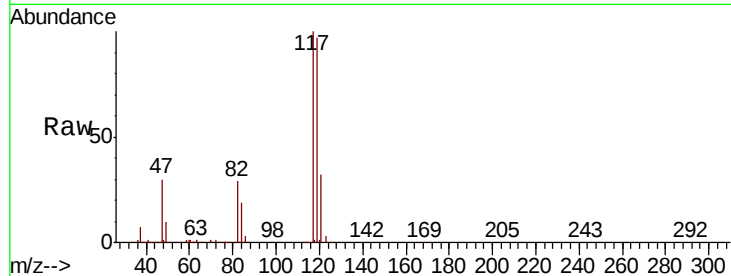
Tot Ion:117 Resp: 1532734

Ion Ratio Lower Upper

117 100

119 96.9 75.5 113.3

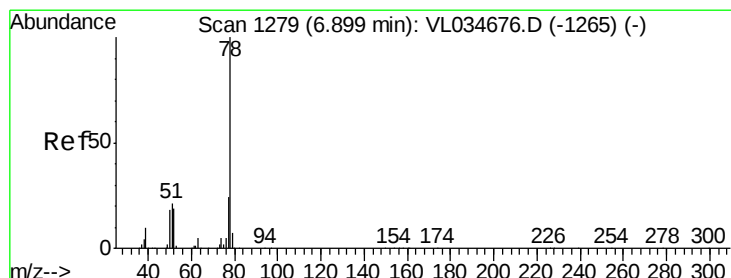
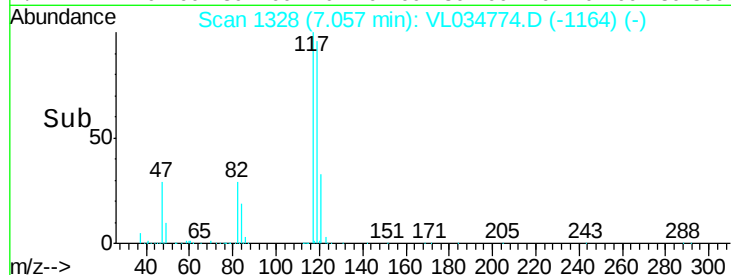
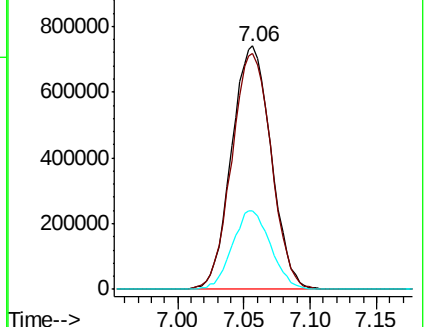
121 32.3 25.4 38.0



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: 9.601 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

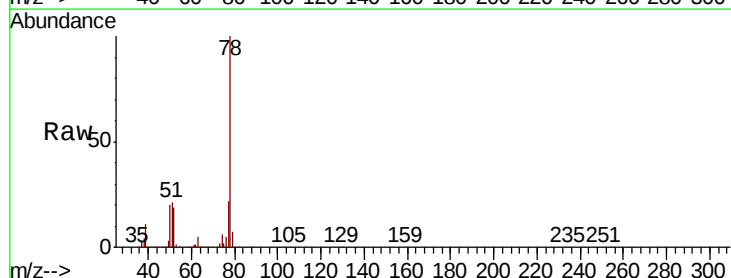
Tgt Ion: 78 Resp: 2053598

Ion Ratio Lower Upper

78 100

77 22.3 19.5 29.3

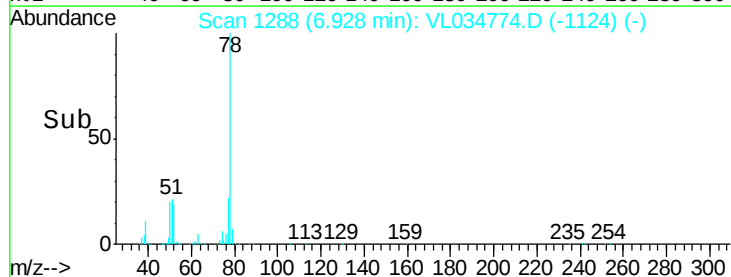
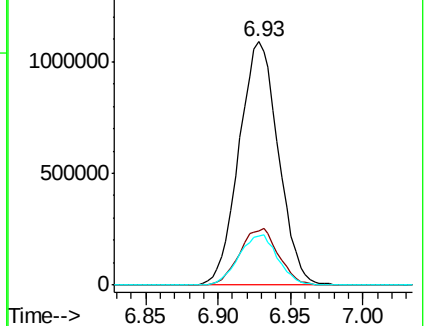
50 20.0 14.6 21.8

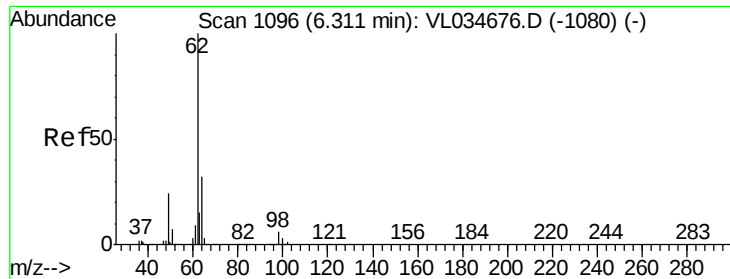


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

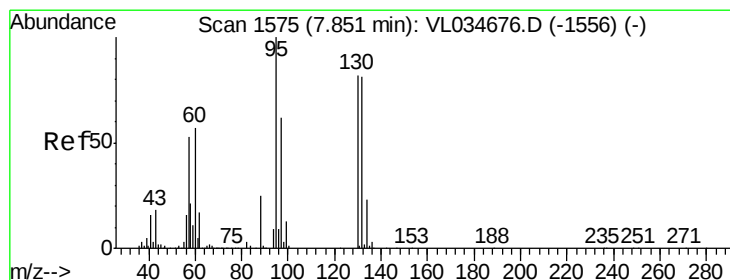
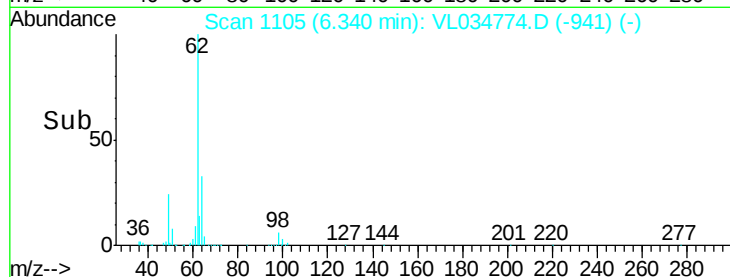
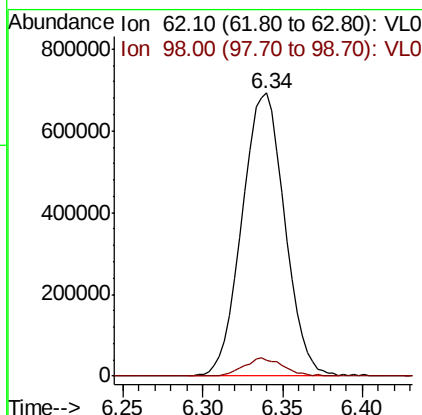
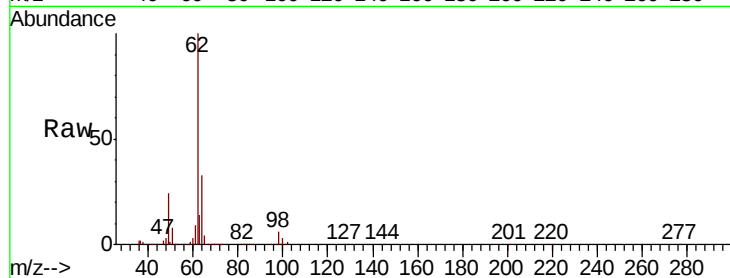




#37
 1,2-Dichloroethane
 Concen: 9.375 ppbv
 RT: 6.34 min Scan# 1105
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

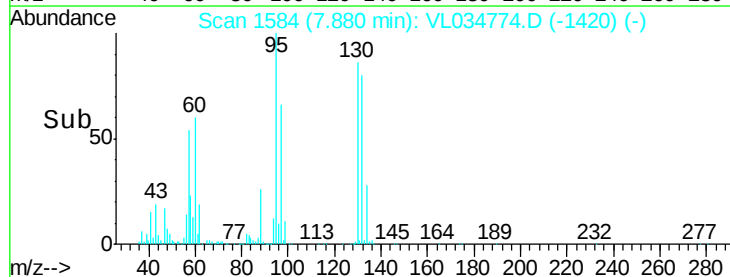
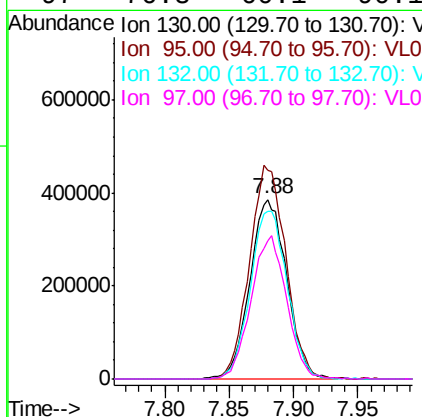
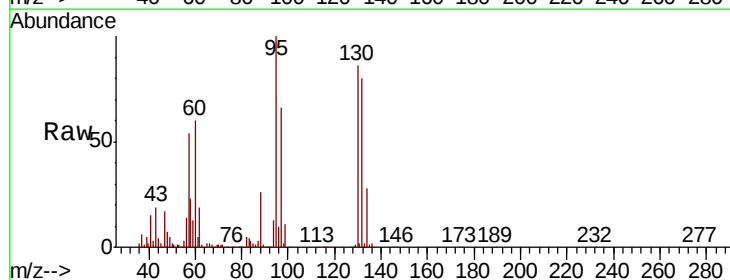
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

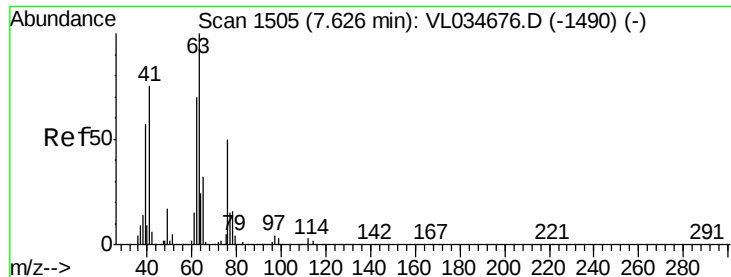
Tot Ion: 62 Resp: 1263977
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.7 7.1



#38
 Trichloroethene
 Concen: 9.267 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 130 Resp: 764027
 Ion Ratio Lower Upper
 130 100
 95 116.5 97.1 145.7
 132 93.6 78.3 117.5
 97 76.8 60.1 90.1





#39

1,2-Dichloropropane

Concen: 9.574 ppbv

RT: 7.66 min Scan# 1515

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

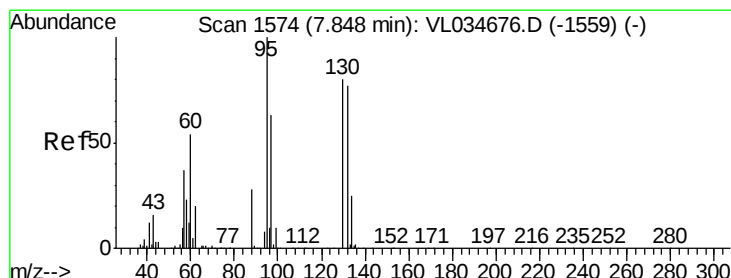
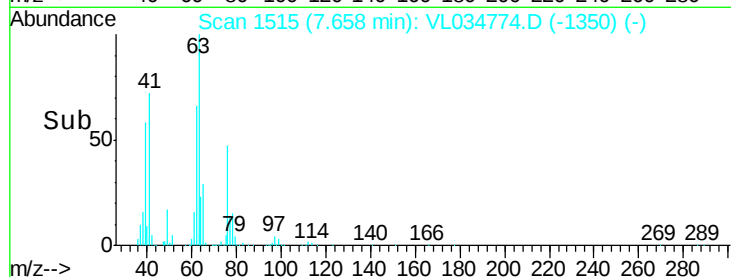
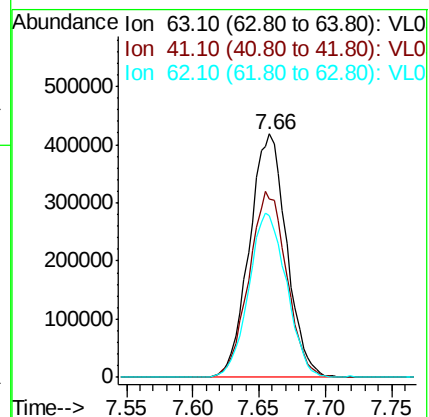
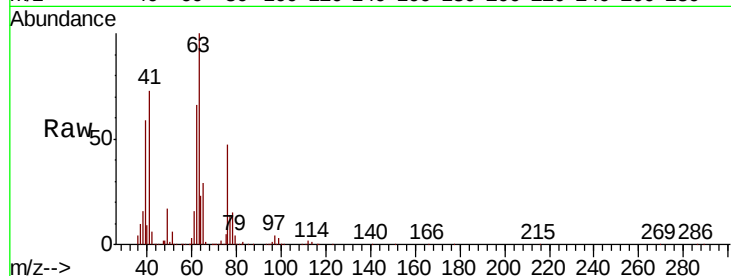
Tot Ion: 63 Resp: 814696

Ion Ratio Lower Upper

63 100

41 73.2 60.2 90.4

62 66.5 56.3 84.5



#40

1,4-Dioxane

Concen: 10.530 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion: 88 Resp: 304725

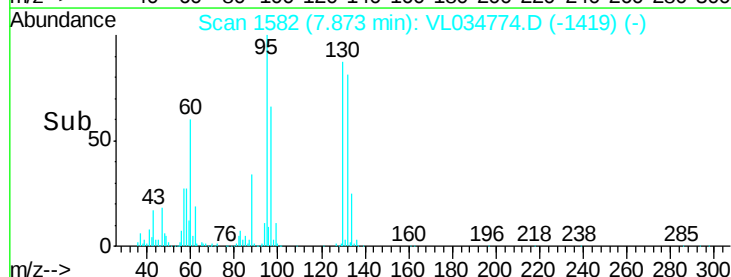
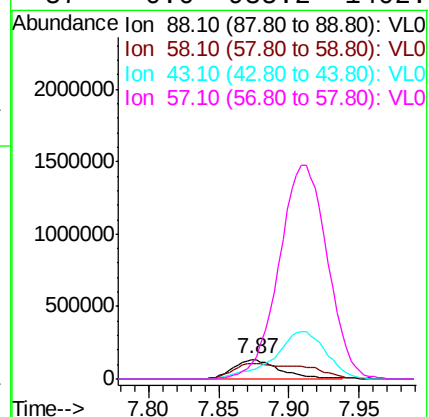
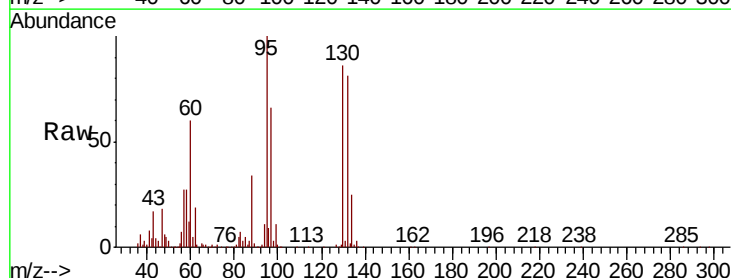
Ion Ratio Lower Upper

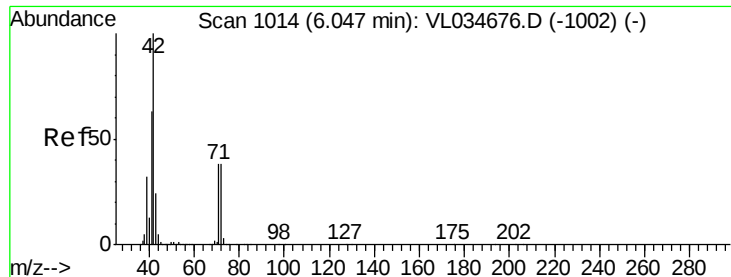
88 100

58 134.5 104.6 156.8

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#





#41

Tetrahydrofuran

Concen: 10.756 ppbv

RT: 6.07 min Scan# 1022

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

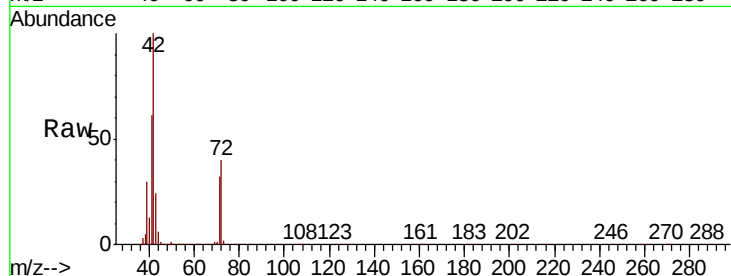
Tot Ion: 42 Resp: 884929

Ion Ratio Lower Upper

42 100

72 38.5 31.7 47.5

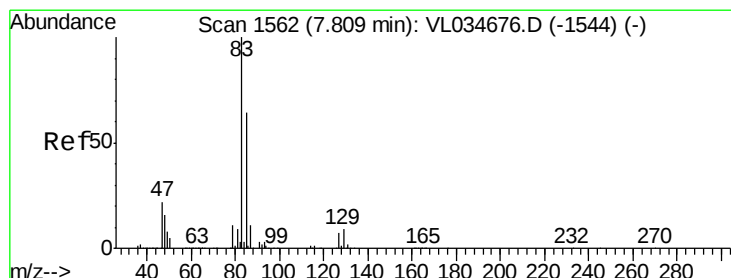
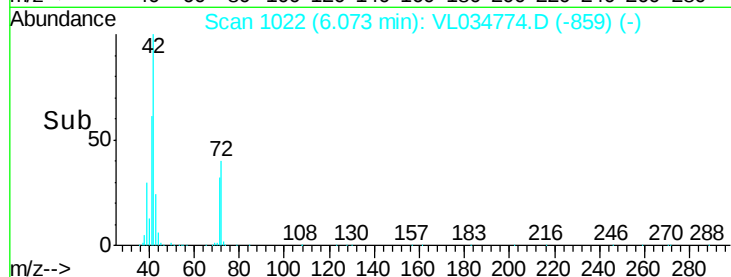
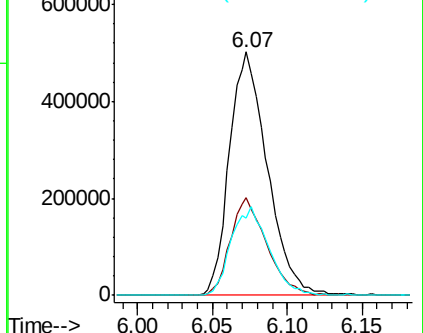
71 36.4 30.7 46.1



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: 9.456 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

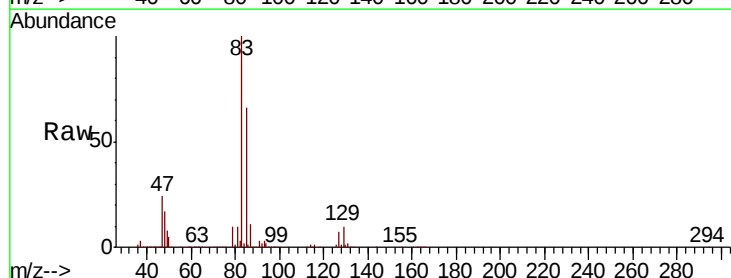
Tgt Ion: 83 Resp: 1669065

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7

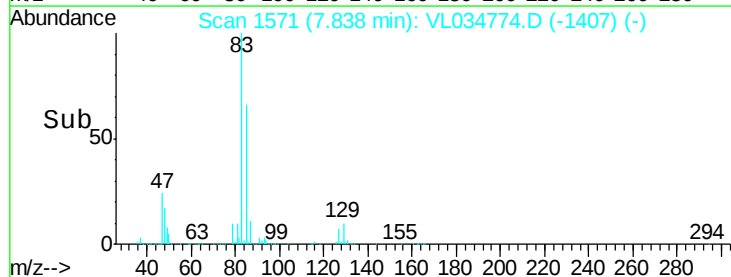
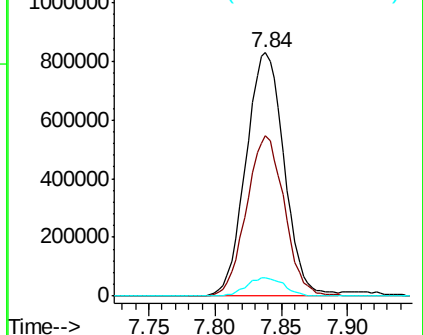
127 7.5 5.8 8.8

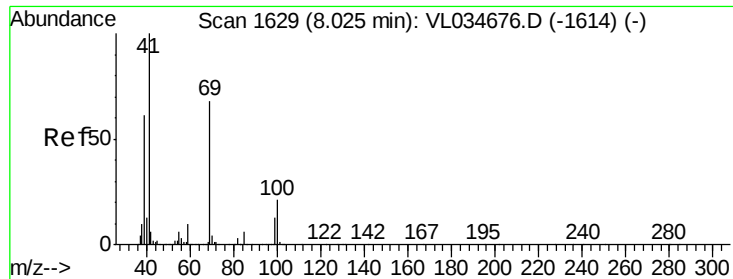


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

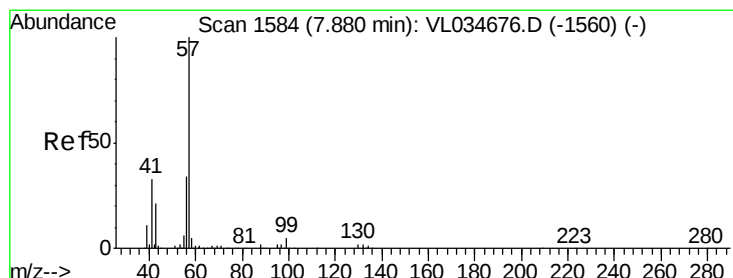
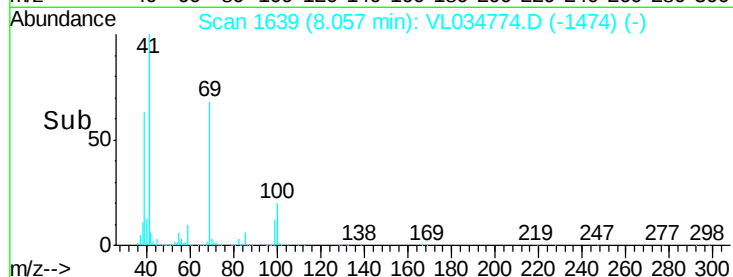
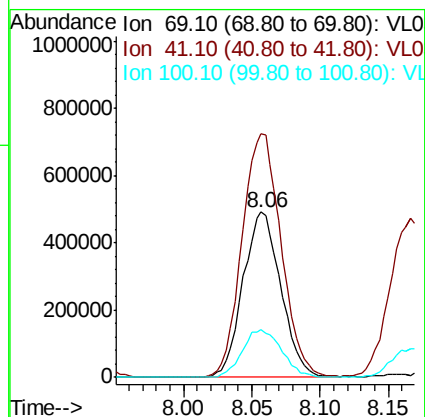
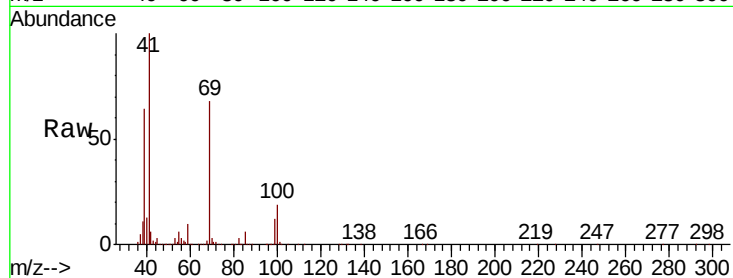




#43
Methyl Methacrylate
Concen: 10.520 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

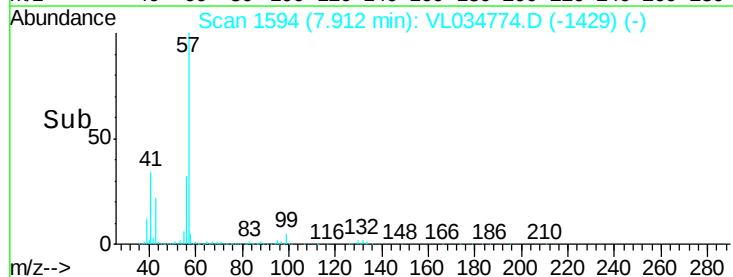
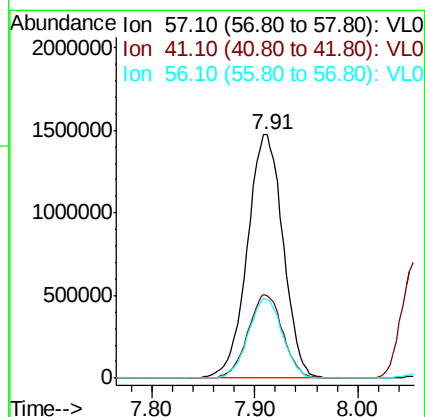
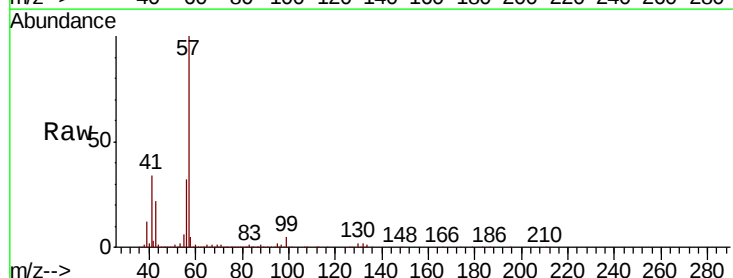
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

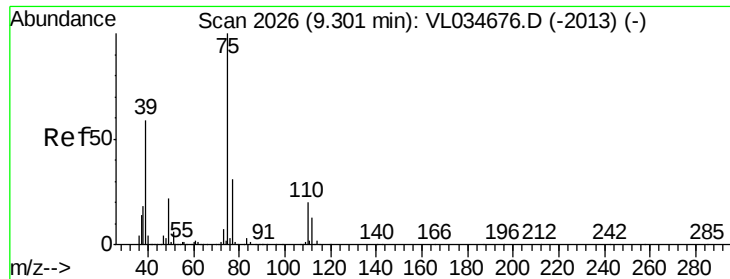
Tot Ion: 69 Resp: 946424
Ion Ratio Lower Upper
69 100
41 152.0 118.2 177.2
100 30.3 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 9.459 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 57 Resp: 3536063
Ion Ratio Lower Upper
57 100
41 33.3 26.0 39.0
56 31.6 25.6 38.4

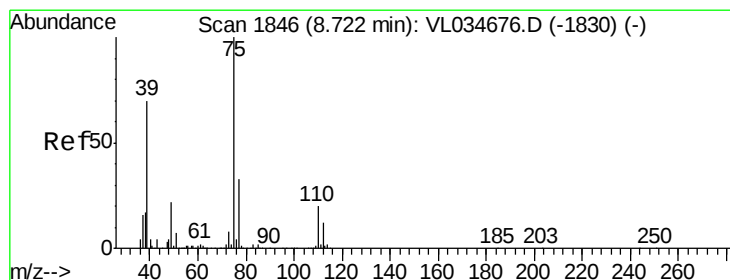
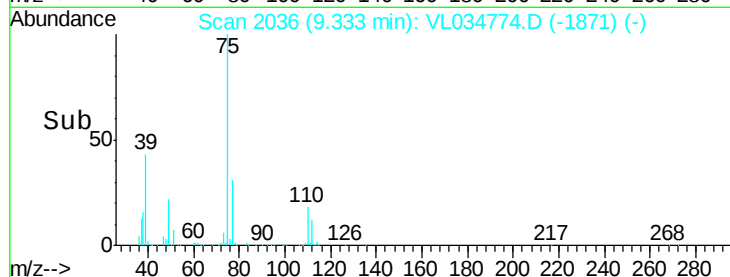
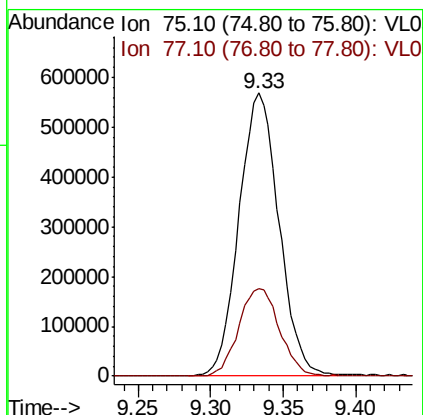
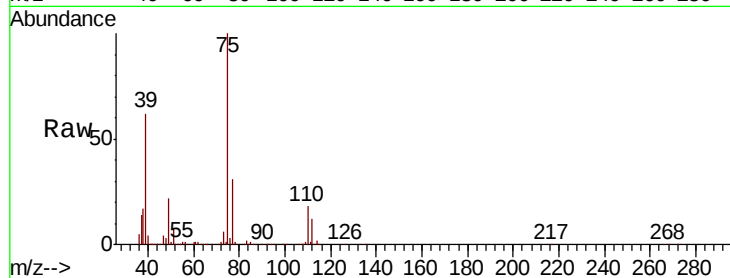




#45
t-1,3-Dichloropropene
Concen: 11.107 ppbv
RT: 9.33 min Scan# 2036
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

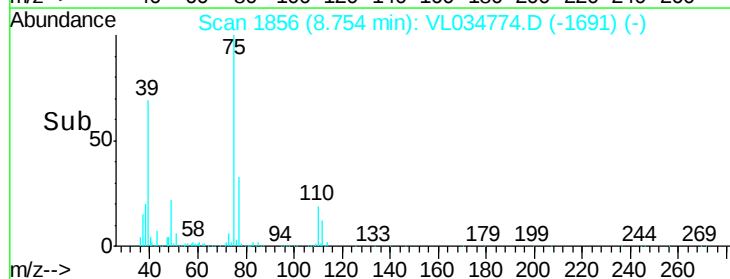
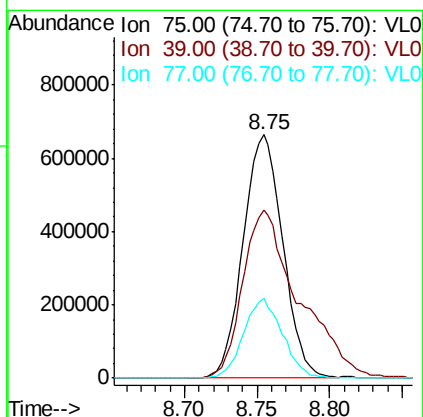
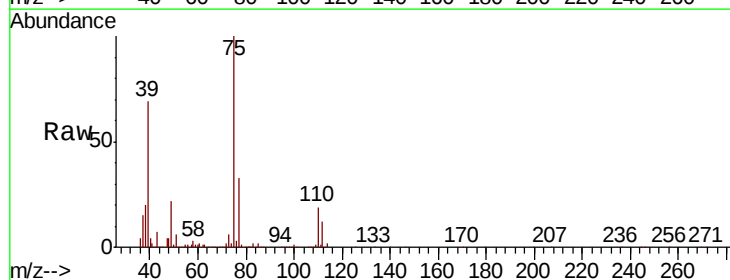
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

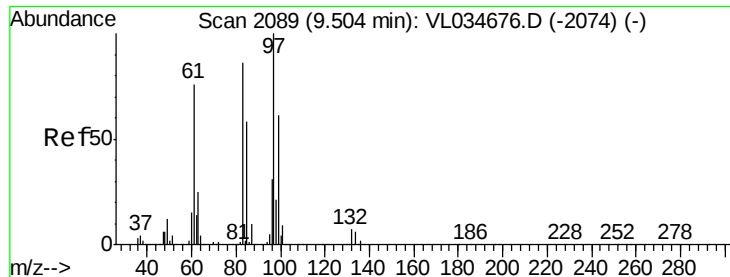
Tot Ion: 75 Resp: 1090356
Ion Ratio Lower Upper
75 100
77 30.8 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 10.740 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 75 Resp: 1264505
Ion Ratio Lower Upper
75 100
39 68.9 55.7 83.5
77 32.6 26.3 39.5

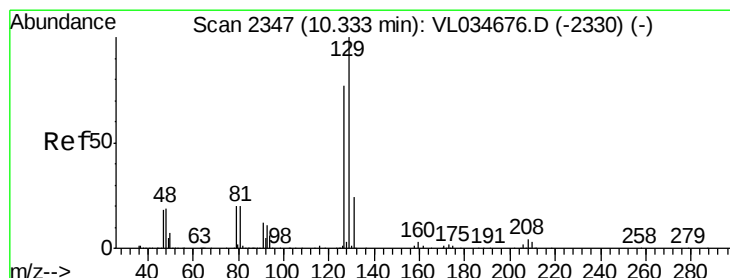
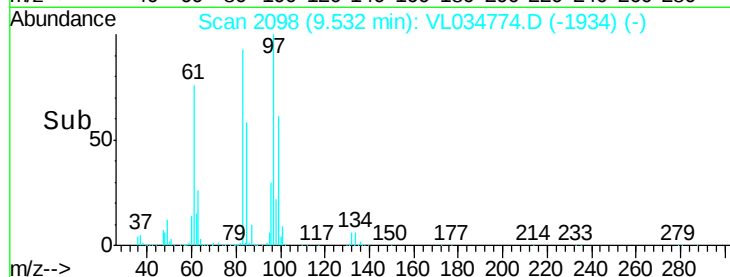
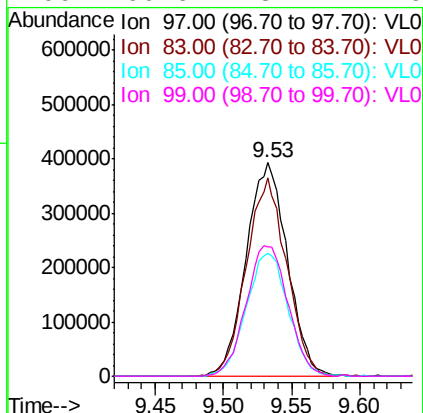
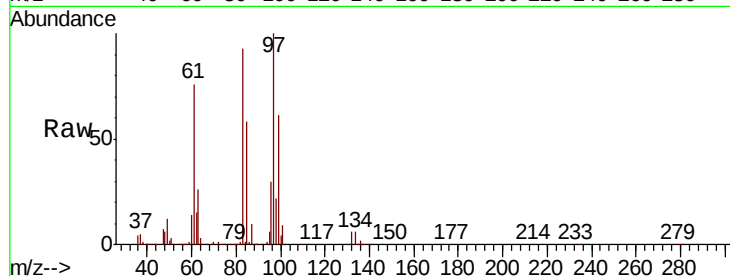




#47
 1,1,2-Trichloroethane
 Concen: 9.449 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

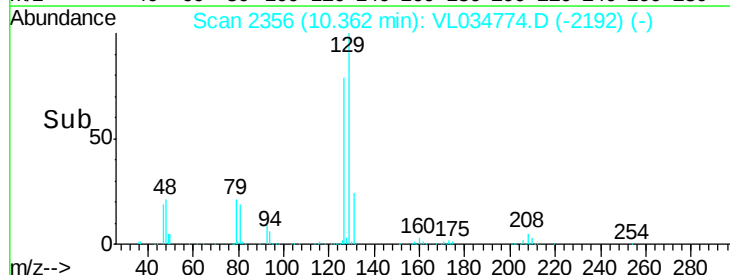
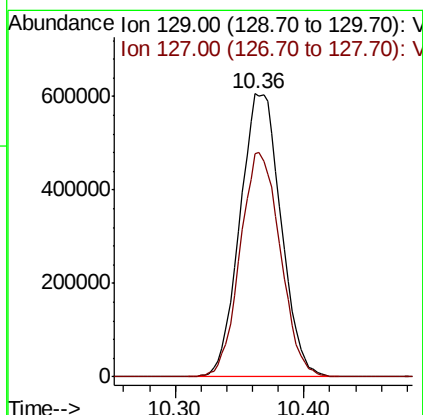
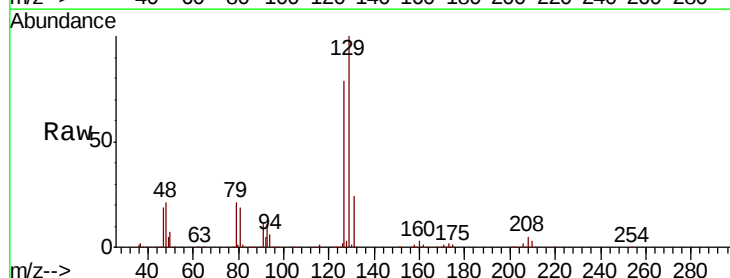
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

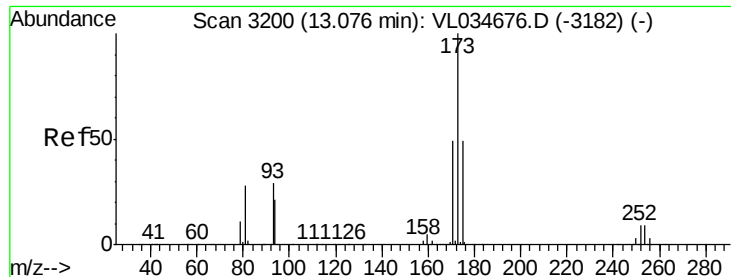
Tot Ion: 97 Resp: 824926
 Ion Ratio Lower Upper
 97 100
 83 92.5 69.4 104.0
 85 57.7 46.4 69.6
 99 60.6 48.4 72.6



#48
 Dibromochloromethane
 Concen: 9.888 ppbv
 RT: 10.36 min Scan# 2356
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 129 Resp: 1342262
 Ion Ratio Lower Upper
 129 100
 127 77.9 39.3 117.8





#49

Bromoform

Concen: 9.878 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

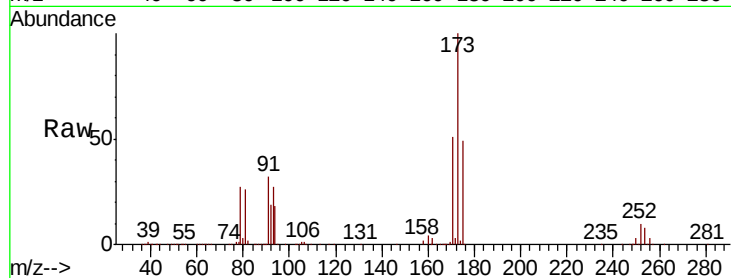
Tot Ion:173 Resp: 1162636

Ion Ratio Lower Upper

173 100

175 48.8 38.6 58.0

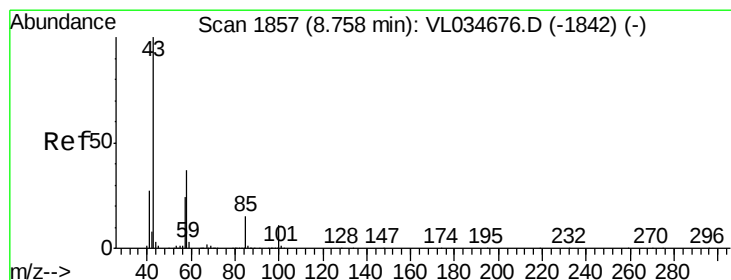
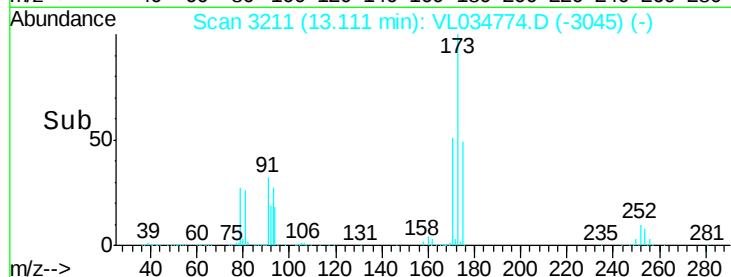
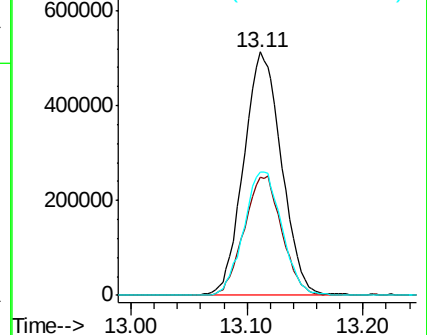
171 51.2 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.242 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.03 min

Lab File: VL034774.D

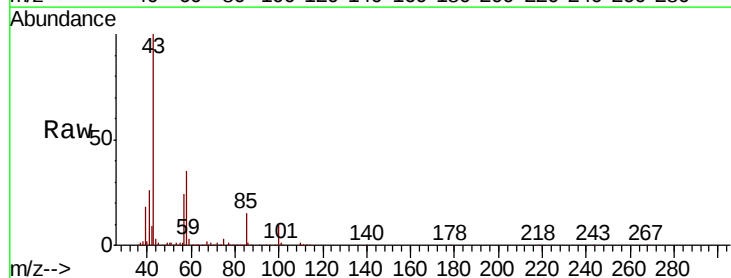
Acq: 3 Mar 2020 21:47

Tgt Ion: 43 Resp: 2261170

Ion Ratio Lower Upper

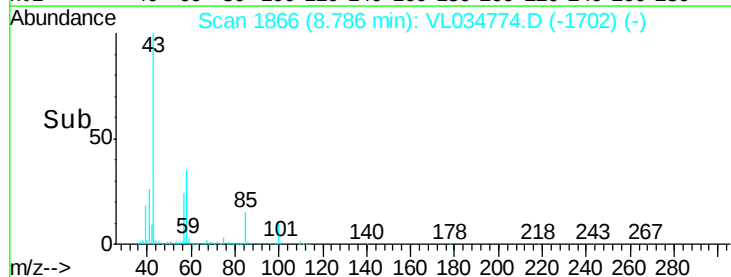
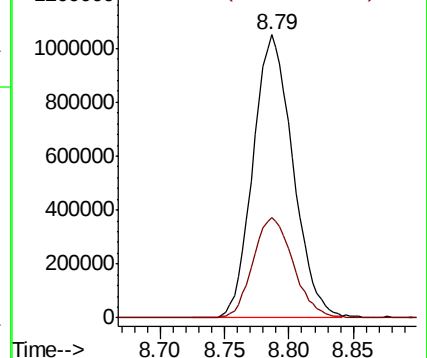
43 100

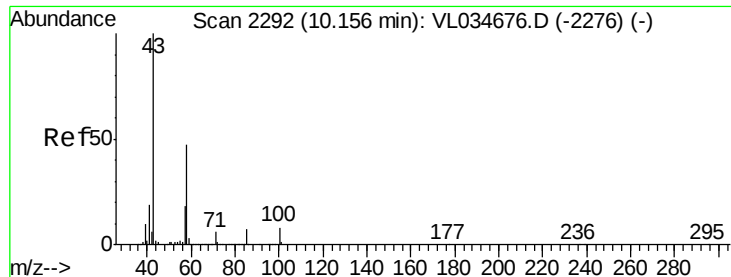
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

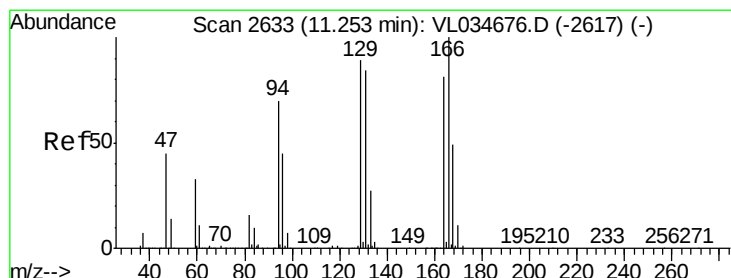
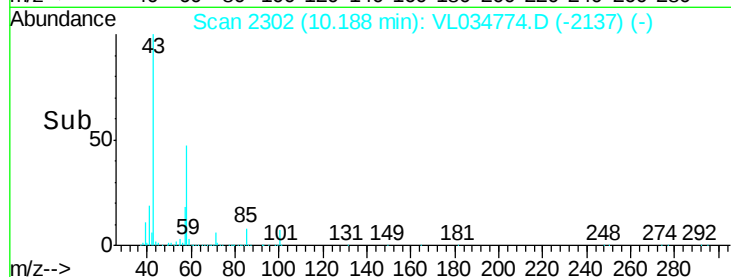
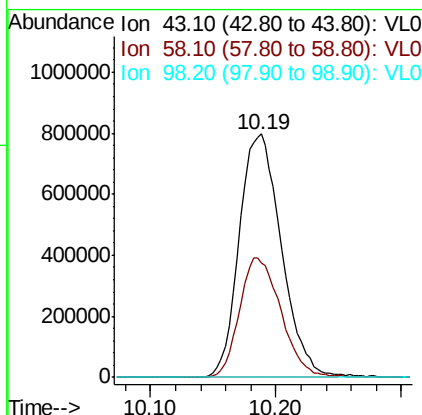
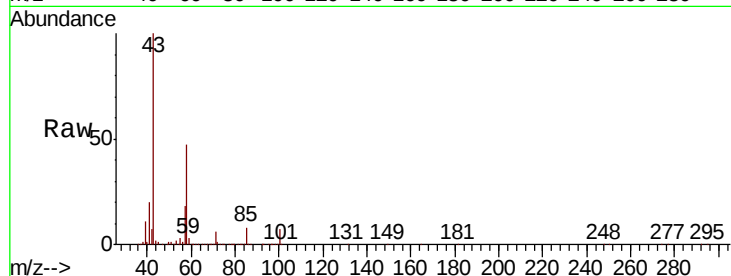




#51
2-Hexanone
Concen: 10.695 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

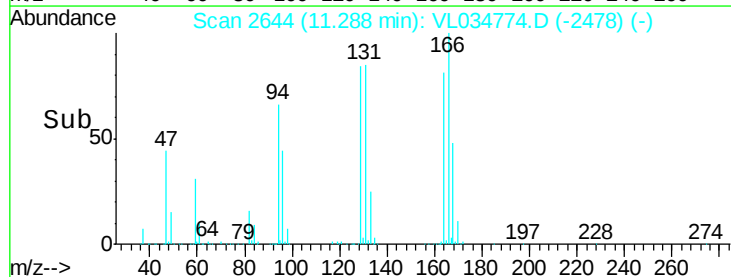
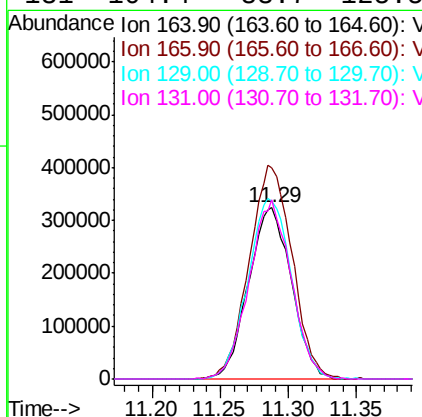
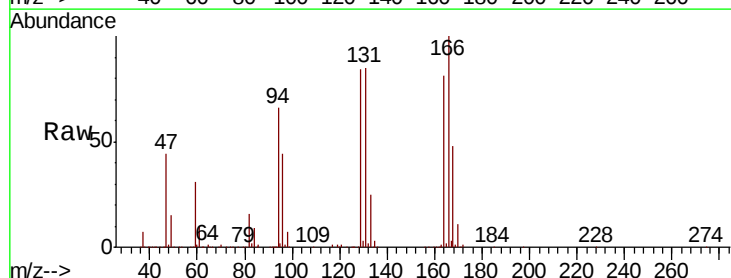
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

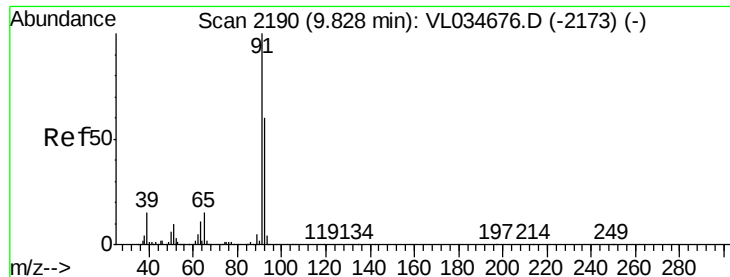
Tot Ion: 43 Resp: 1858113
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.019 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 164 Resp: 707059
Ion Ratio Lower Upper
164 100
166 123.4 99.2 148.8
129 103.8 88.0 132.0
131 104.4 83.7 125.5





#53

Toluene

Concen: 10.109 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

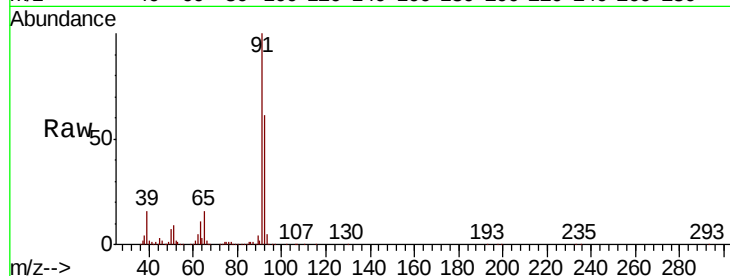
VSTDCCC010EC

Tot Ion: 91 Resp: 2299748

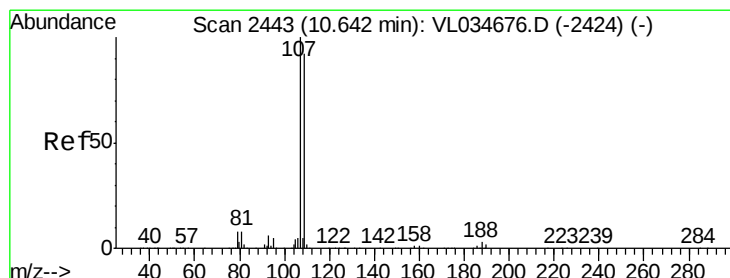
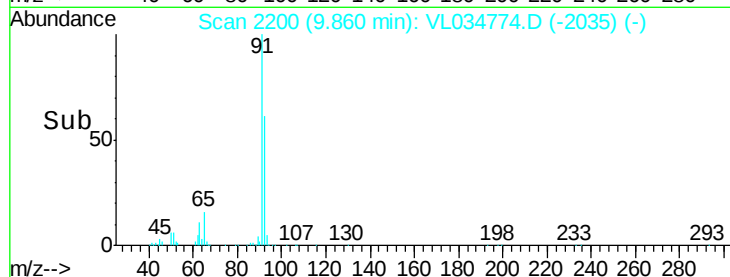
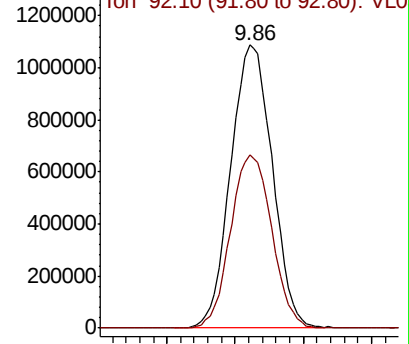
Ion Ratio Lower Upper

91 100

92 60.8 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.550 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.03 min

Lab File: VL034774.D

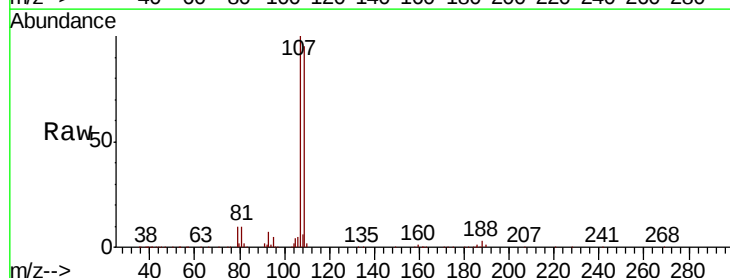
Acq: 3 Mar 2020 21:47

Tgt Ion: 107 Resp: 1243725

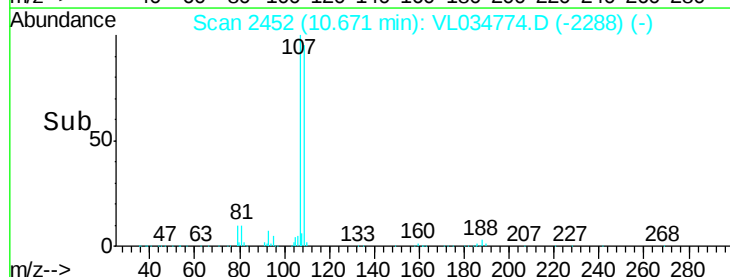
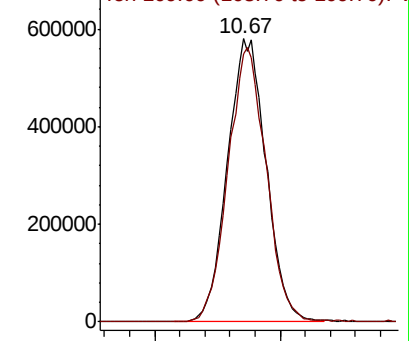
Ion Ratio Lower Upper

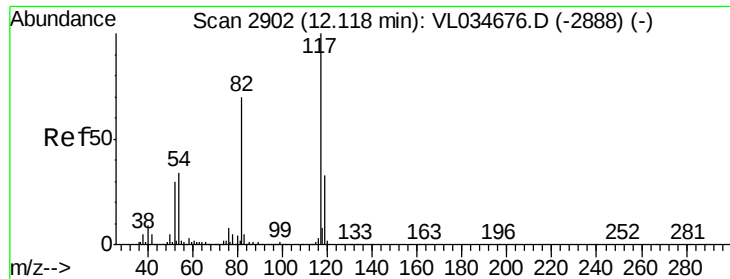
107 100

109 94.8 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

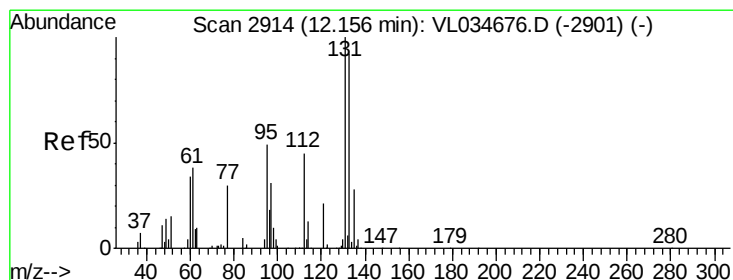
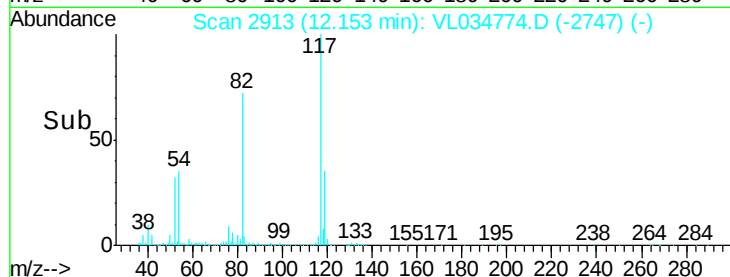
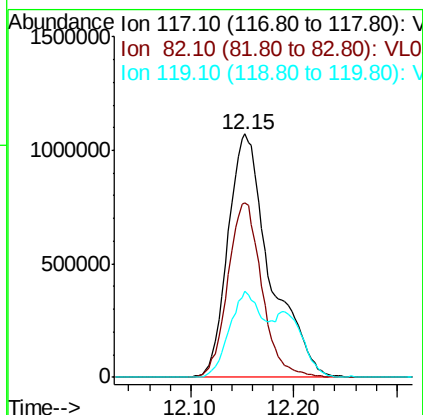
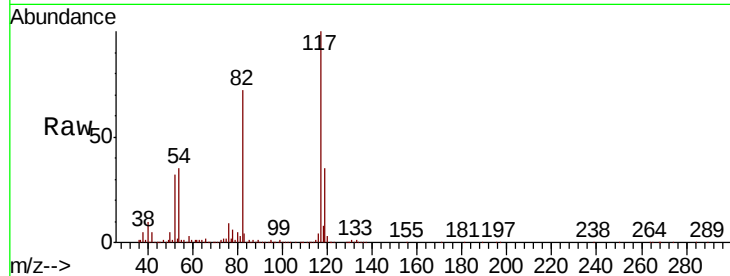




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

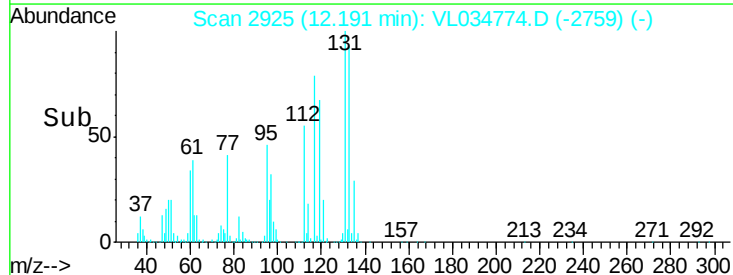
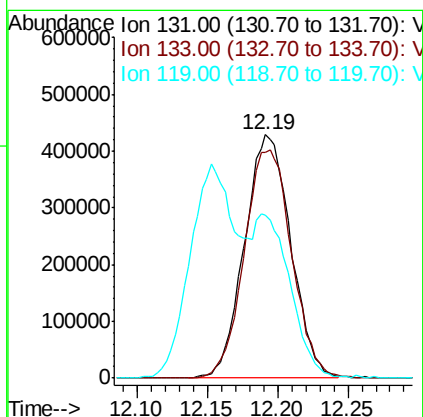
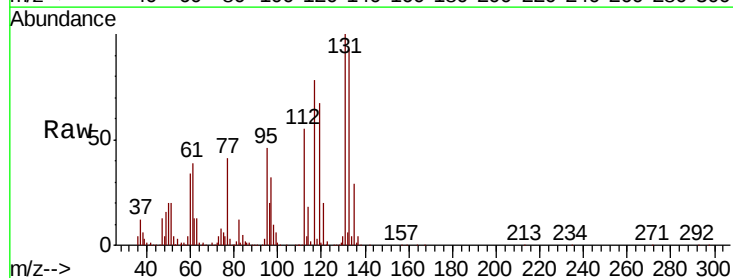
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

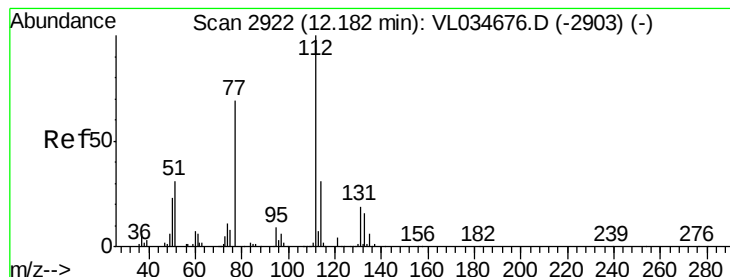
Tot Ion:117 Resp: 3048495
Ion Ratio Lower Upper
117 100
82 58.4 54.1 81.1
119 27.5 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.572 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion:131 Resp: 983065
Ion Ratio Lower Upper
131 100
133 96.1 76.6 114.8
119 145.3 51.3 76.9#





#57

Chlorobenzene

Concen: 7.454 ppbv

RT: 12.21 min Scan# 2932

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

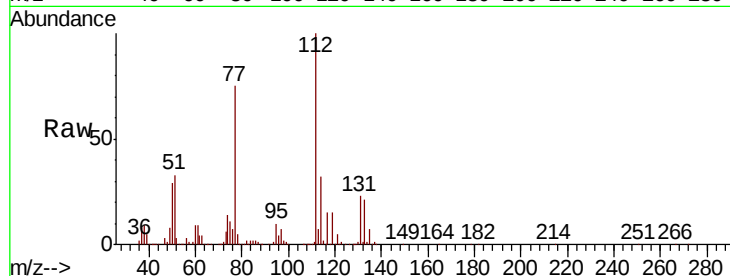
Tot Ion:112 Resp: 1679628

Ion Ratio Lower Upper

112 100

77 74.8 56.5 84.7

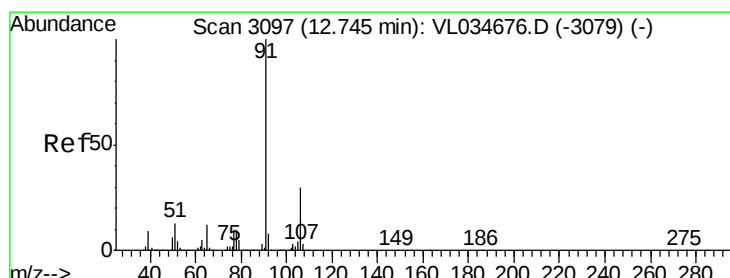
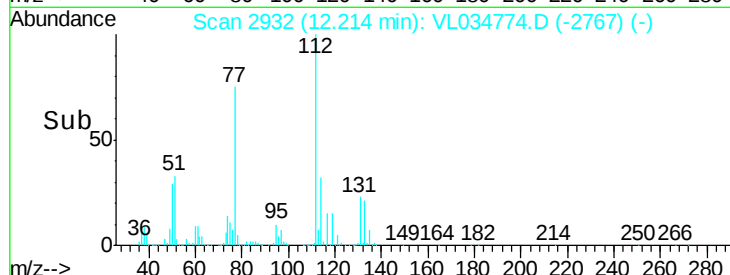
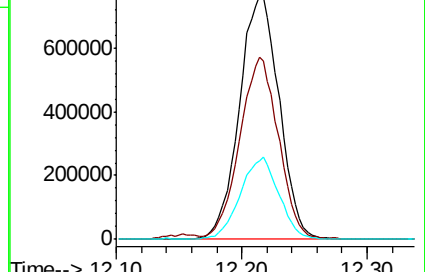
114 32.0 28.1 34.3



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: 8.236 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. 0.03 min

Lab File: VL034774.D

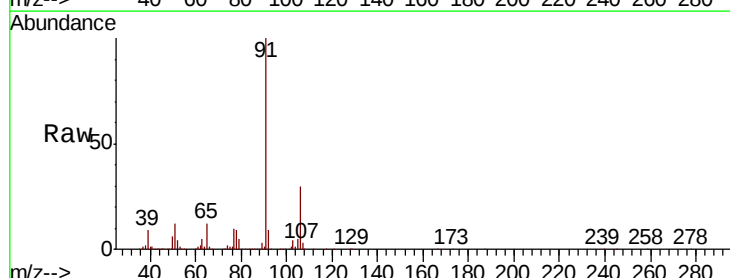
Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 3037669

Ion Ratio Lower Upper

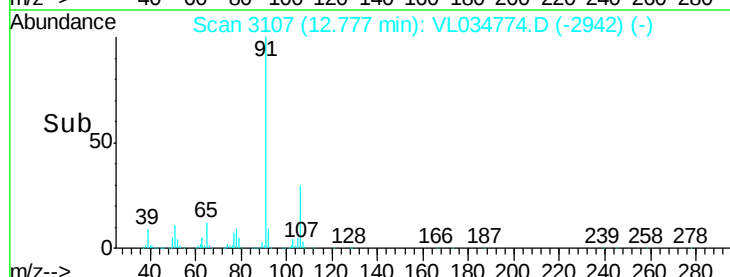
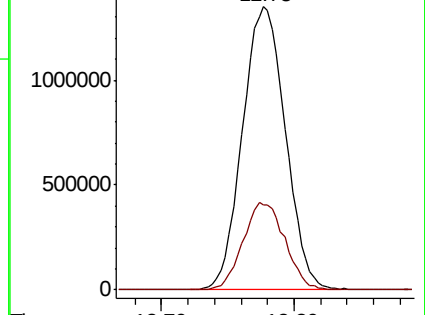
91 100

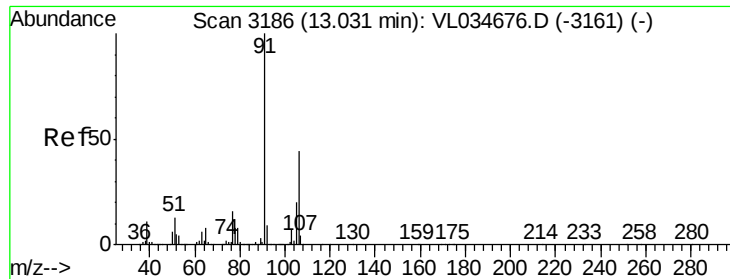
106 30.2 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

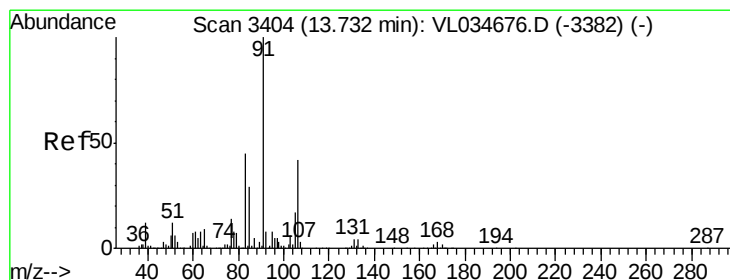
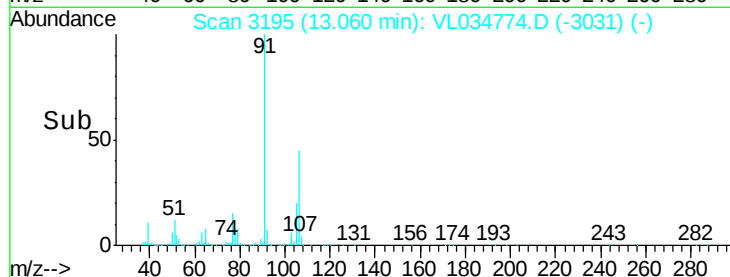
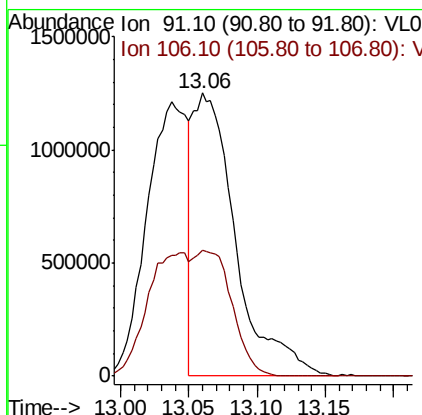
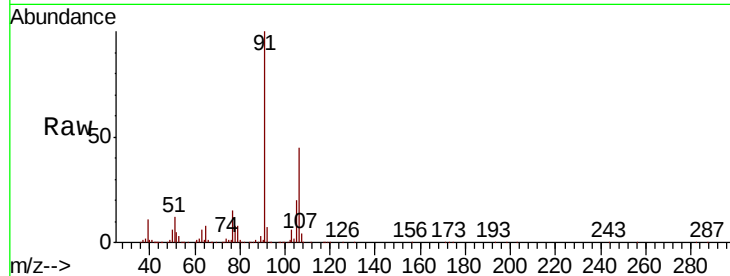




#59
m/p-Xylene
Concen: 8.387 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

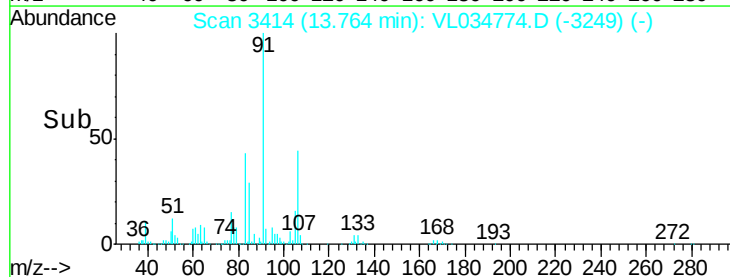
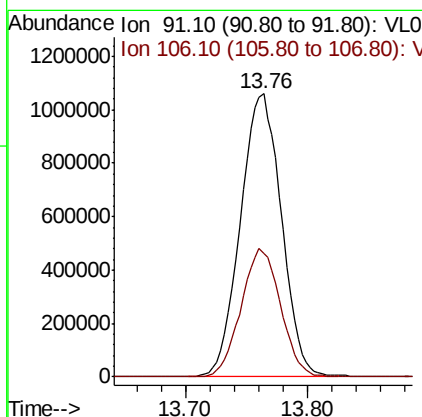
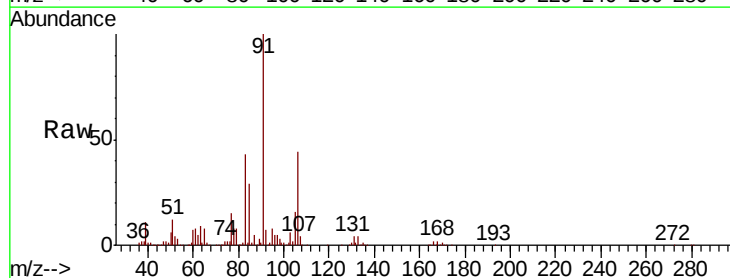
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

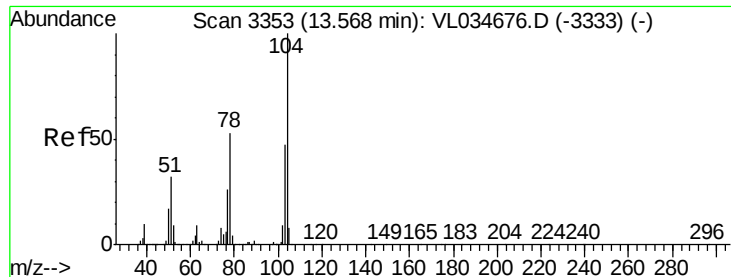
Tot Ion: 91 Resp: 2698022
Ion Ratio Lower Upper
91 100
106 83.1 35.6 53.4#



#60
o-Xylene
Concen: 7.690 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 2454750
Ion Ratio Lower Upper
91 100
106 43.8 21.9 65.5

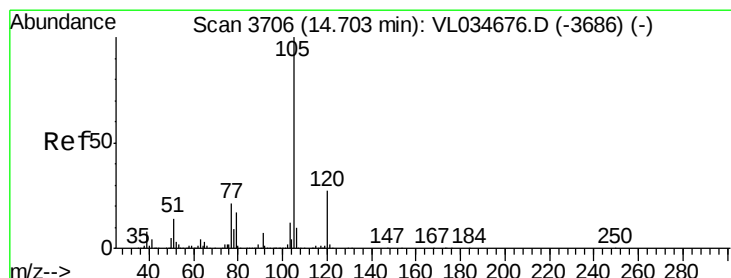
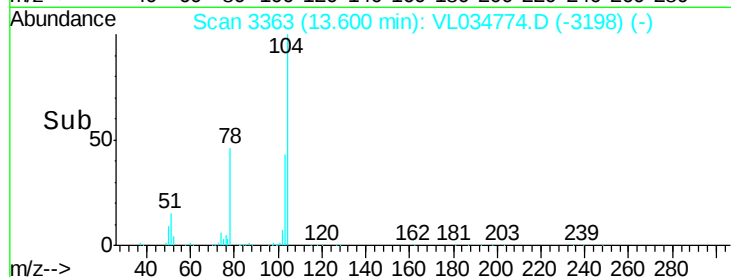
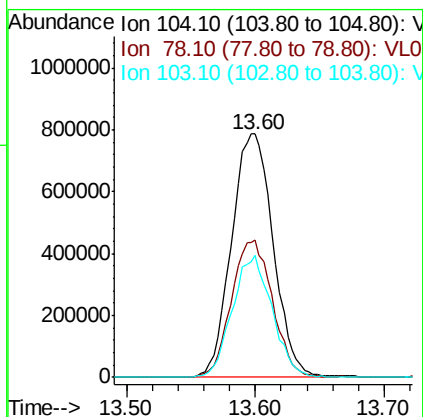
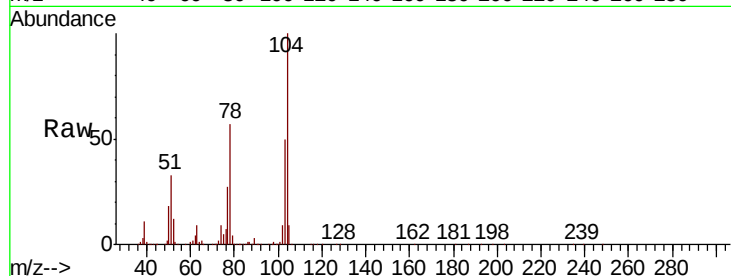




#61
Stvrene
Concen: 8.592 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. 0.03 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

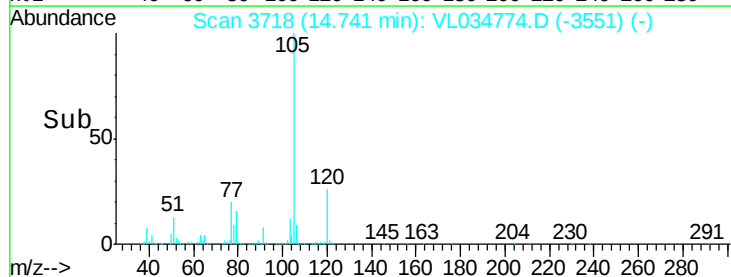
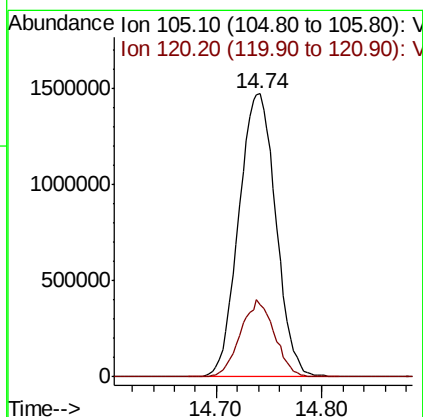
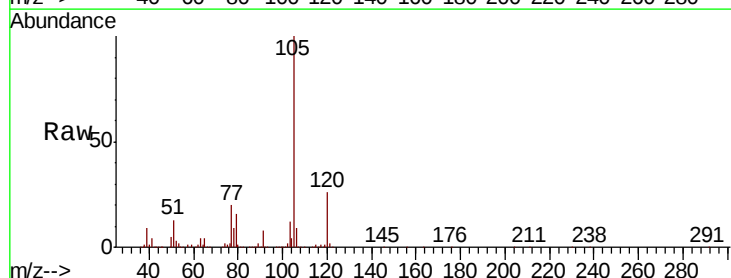
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

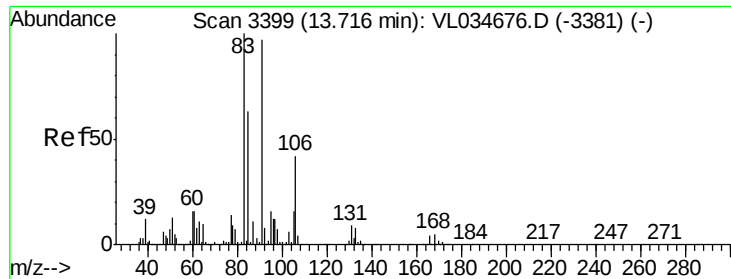
Tot Ion:104 Resp: 1761726
Ion Ratio Lower Upper
104 100
78 56.0 44.2 66.4
103 48.1 37.4 56.0



#62
Isopropylbenzene
Concen: 7.716 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. 0.04 min
Lab File: VL034774.D
Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 3593104
Ion Ratio Lower Upper
105 100
120 25.0 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.922 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

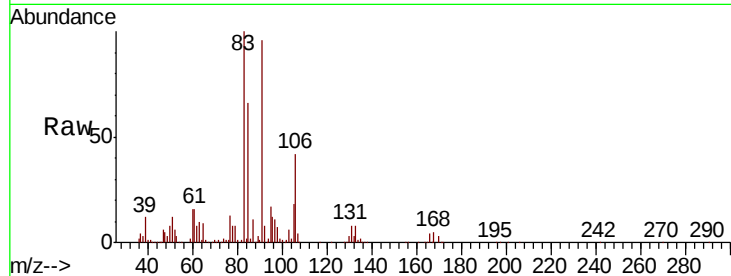
Tot Ion: 83 Resp: 1722268

Ion Ratio Lower Upper

83 100

131 9.0 4.4 13.2

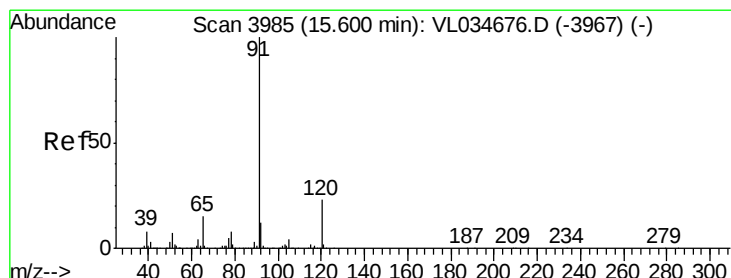
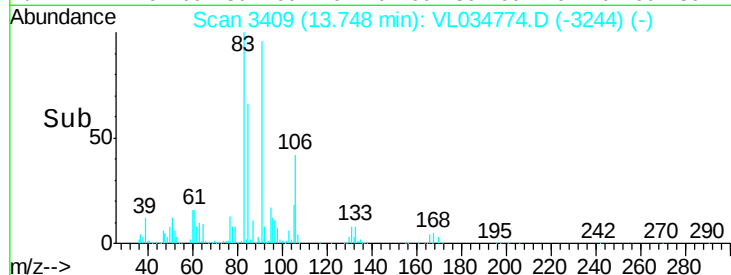
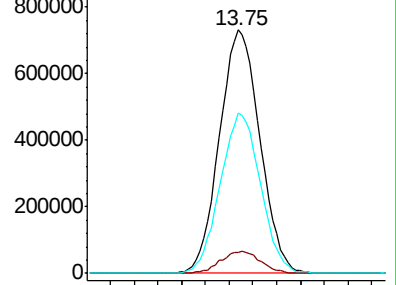
85 65.6 32.5 97.5



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: 7.642 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. 0.04 min

Lab File: VL034774.D

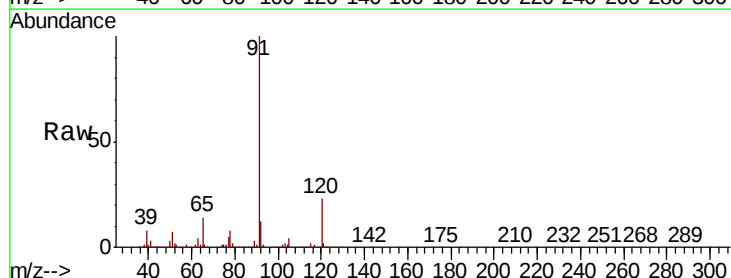
Acq: 3 Mar 2020 21:47

Tgt Ion:120 Resp: 917392

Ion Ratio Lower Upper

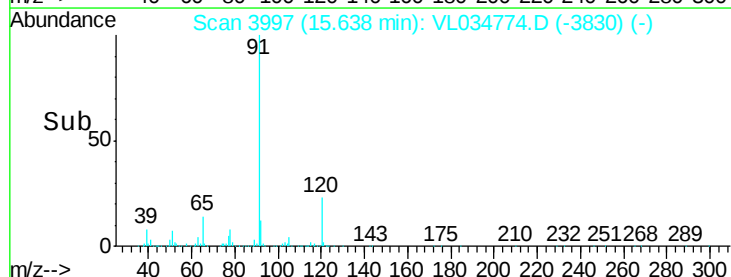
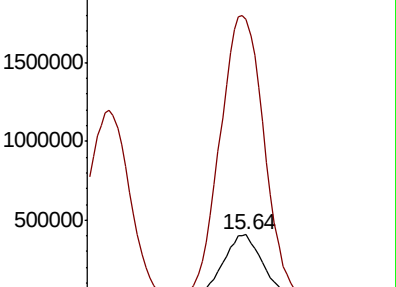
120 100

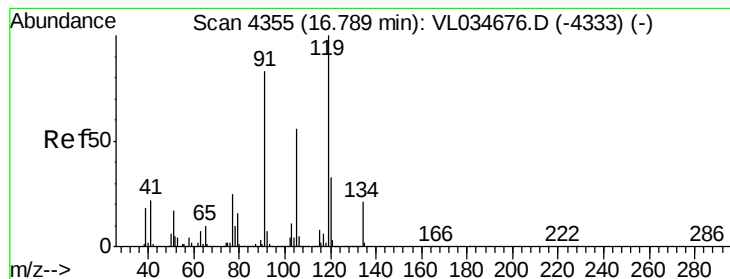
91 484.6 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.687 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

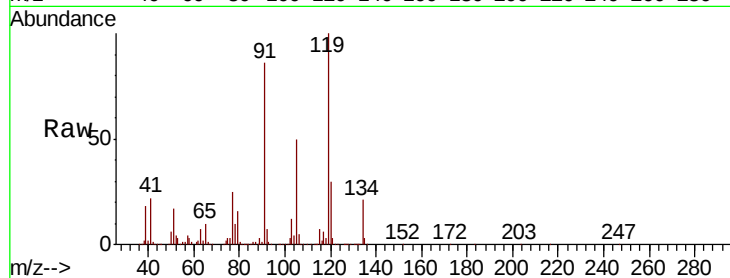
Tot Ion: 119 Resp: 3091004

Ion Ratio Lower Upper

119 100

91 86.3 69.1 103.7

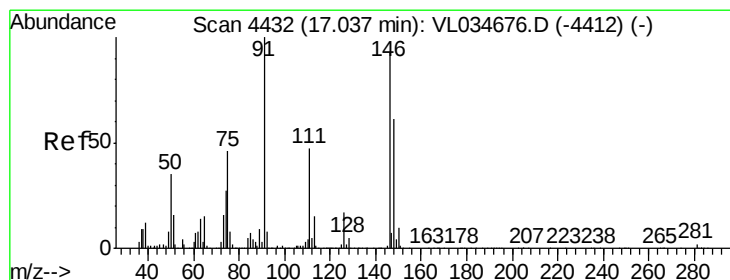
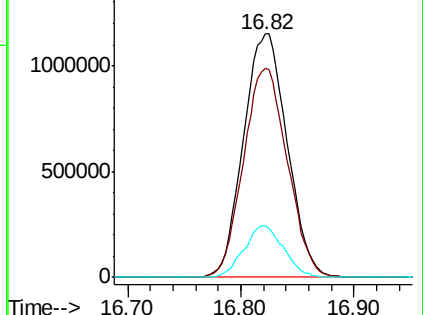
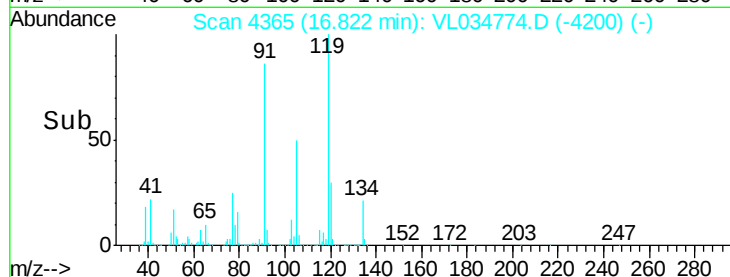
134 19.2 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.206 ppbv

RT: 17.07 min Scan# 4441

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

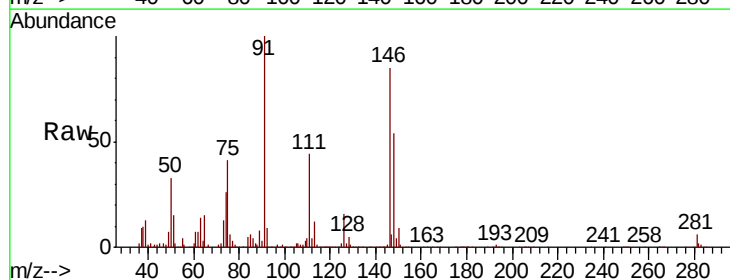
Tgt Ion: 91 Resp: 1380770

Ion Ratio Lower Upper

91 100

126 16.4 13.5 20.3

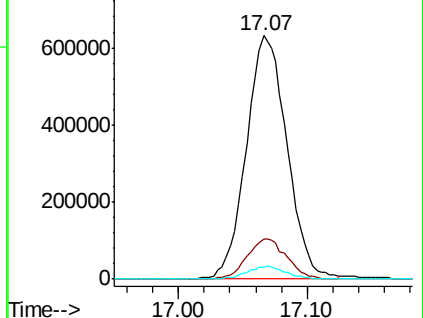
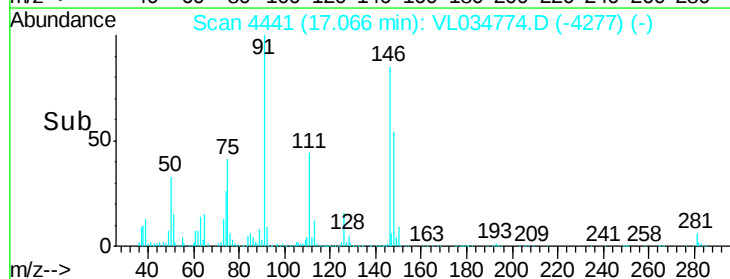
128 5.1 4.2 6.4

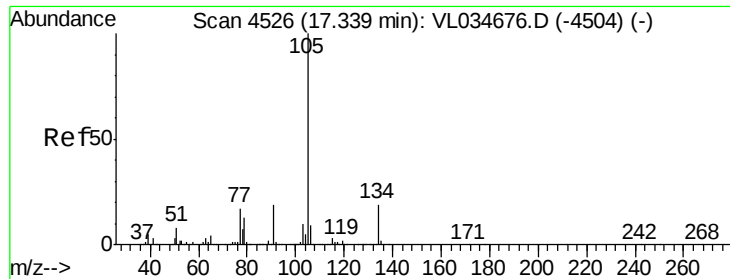


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.639 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

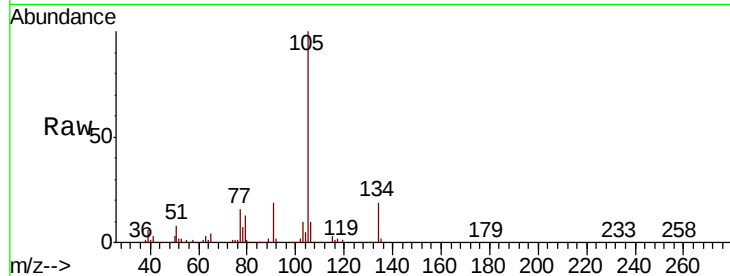
VSTDCCC010EC

Tot Ion:105 Resp: 4420114

Ion Ratio Lower Upper

105 100

134 18.1 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

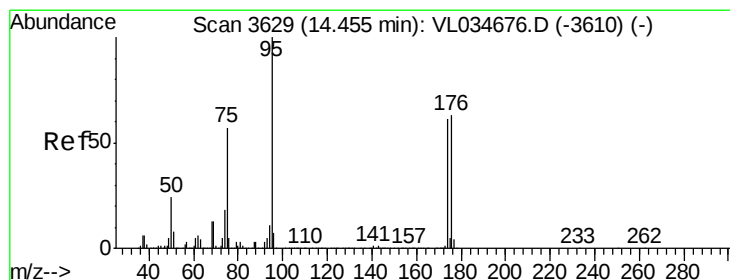
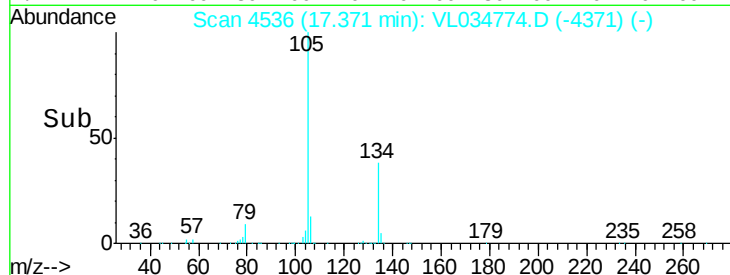
1000000

500000

0

17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.280 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

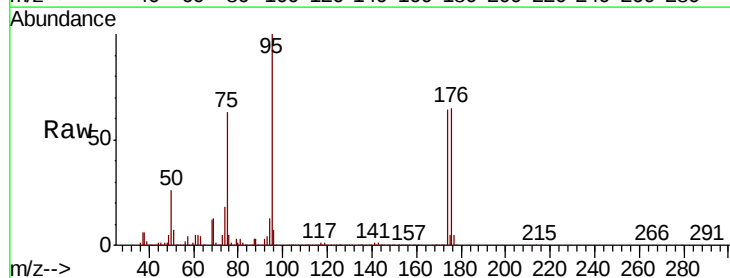
Tgt Ion: 95 Resp: 2069607

Ion Ratio Lower Upper

95 100

174 64.2 50.7 76.1

175 4.9 3.9 5.9



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

1200000

1000000

800000

600000

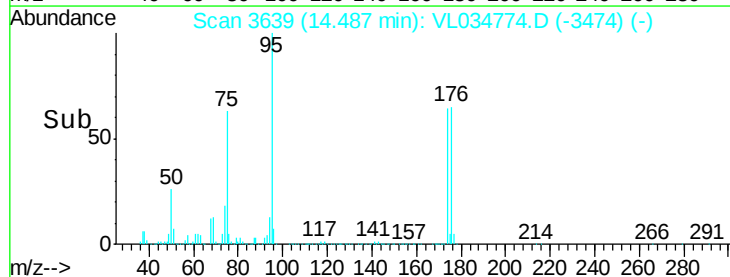
400000

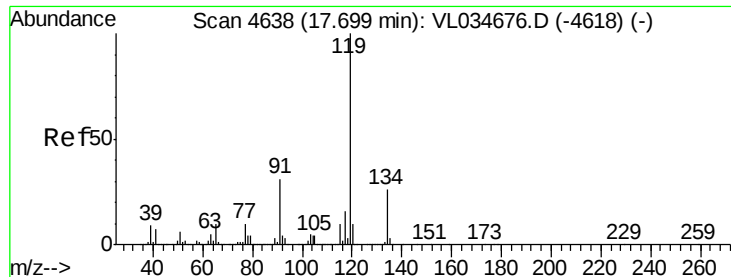
200000

0

14.40 14.50

Time-->

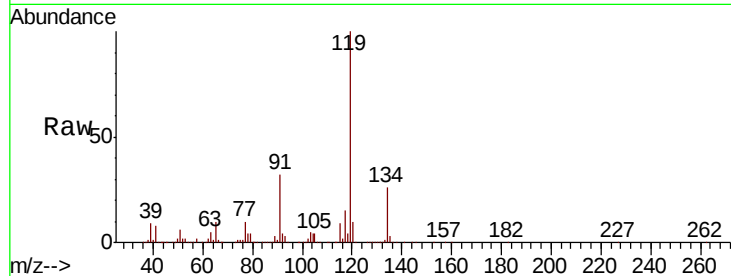




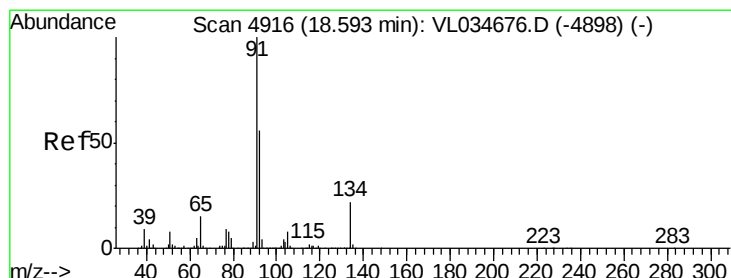
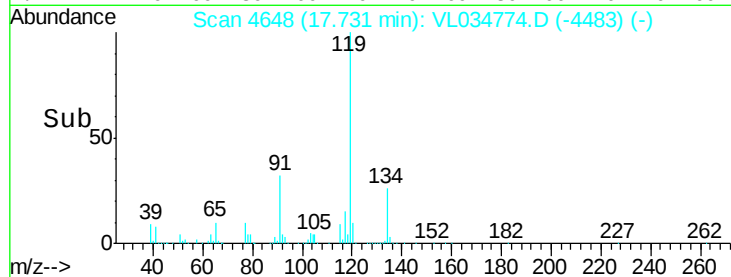
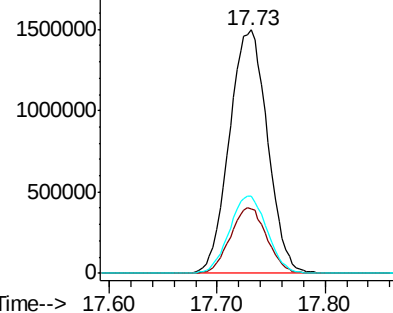
#69
 p-Isopropyltoluene
 Concen: 7.708 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 3671354
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 31.5 25.3 37.9

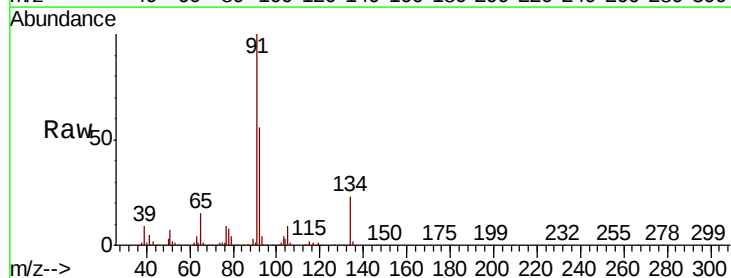


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

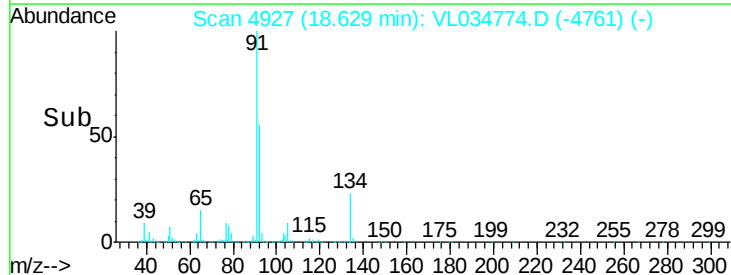
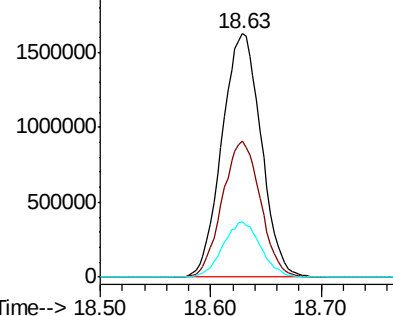


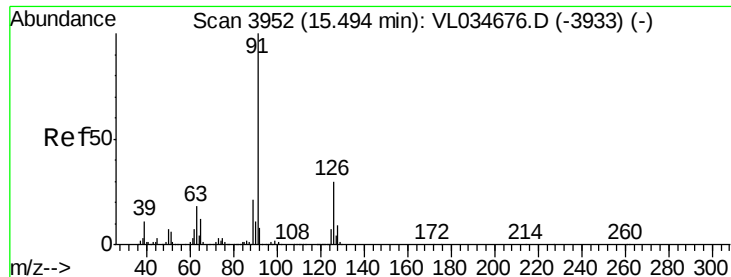
#70
 n-Butylbenzene
 Concen: 7.699 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 91 Resp: 3992924
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.6
 134 21.9 17.6 26.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

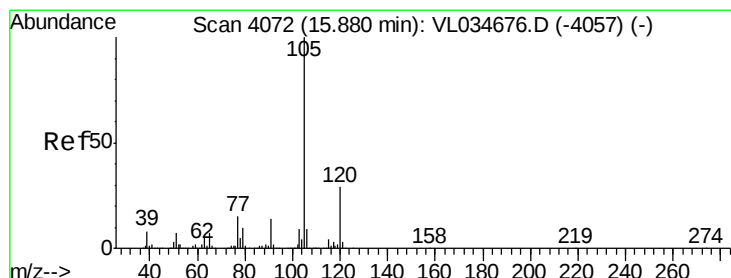
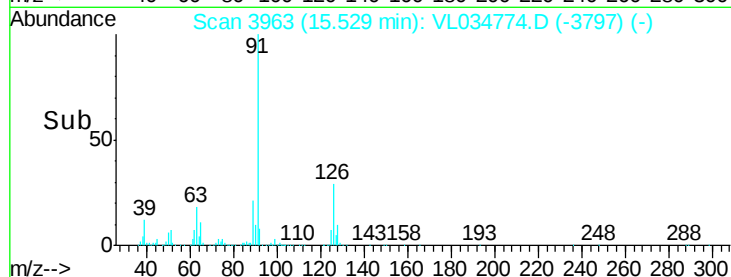
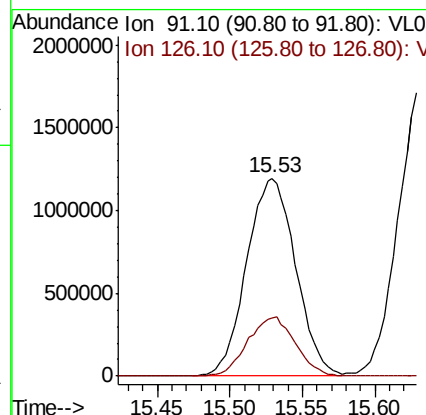
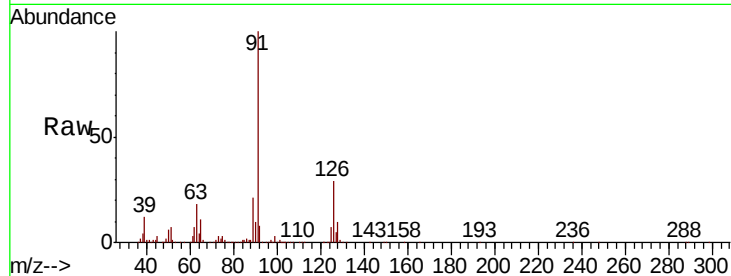




#71
 2-Chlorotoluene
 Concen: 7.775 ppbv
 RT: 15.53 min Scan# 3963
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

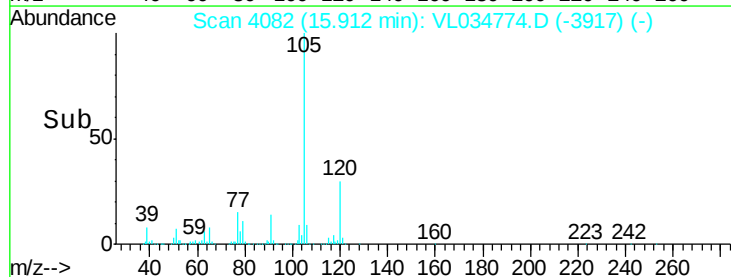
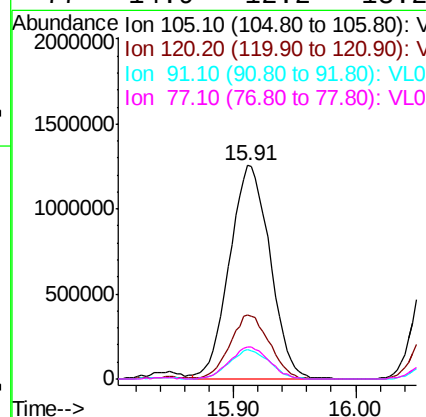
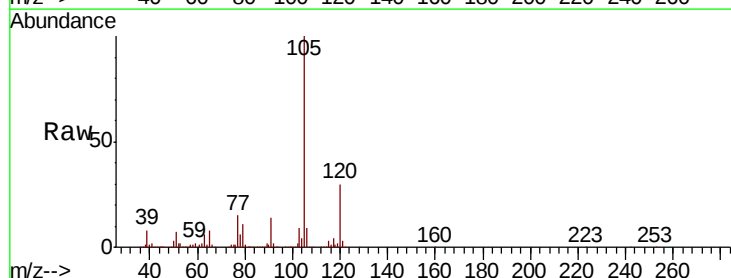
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

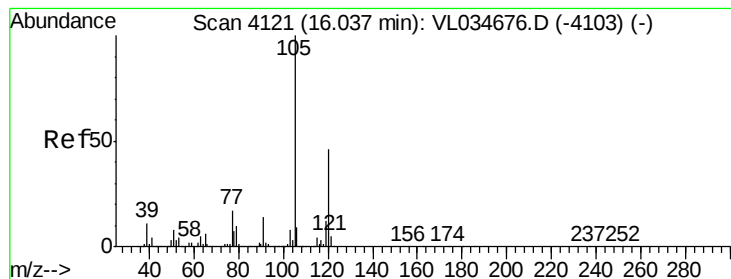
Tot Ion: 91 Resp: 2804016
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 8.133 ppbv
 RT: 15.91 min Scan# 4082
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion: 105 Resp: 2889756
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.7 35.5
 91 13.5 10.9 16.3
 77 14.9 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 7.986 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

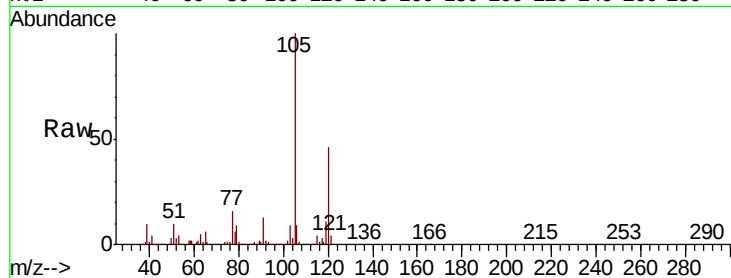
VSTDCCC010EC

Tot Ion:105 Resp: 2729431

Ion Ratio Lower Upper

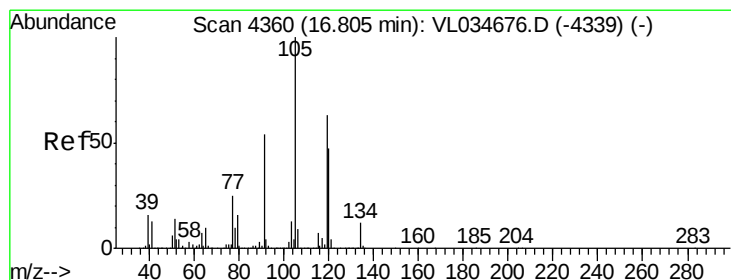
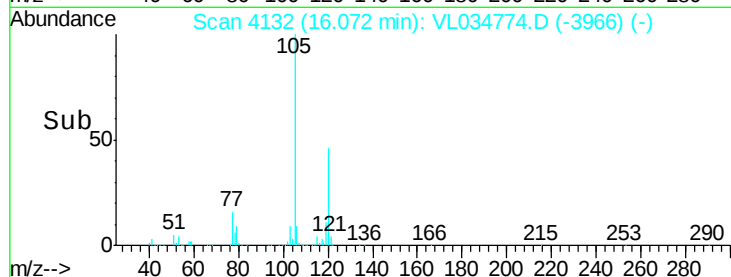
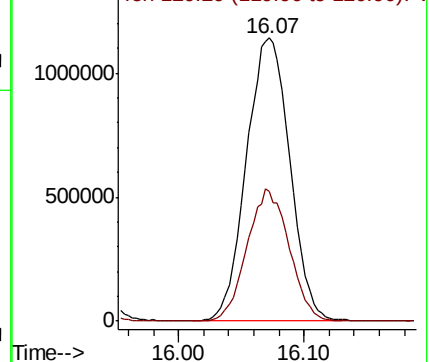
105 100

120 45.9 37.1 55.7



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: 7.455 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Tgt Ion:105 Resp: 2814100

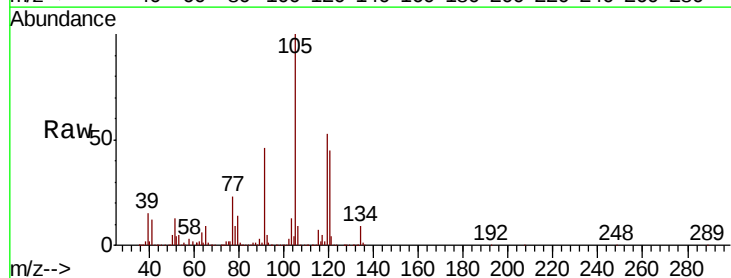
Ion Ratio Lower Upper

105 100

120 45.0 37.9 56.9

91 45.8 43.9 65.9

77 22.7 20.3 30.5

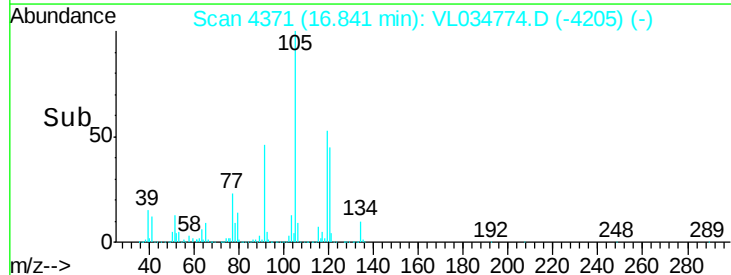
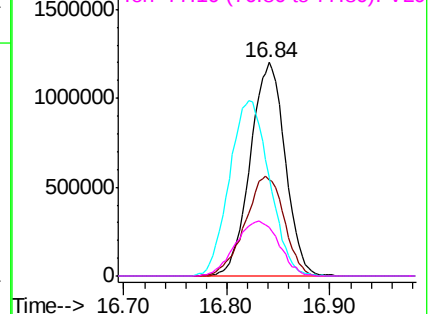


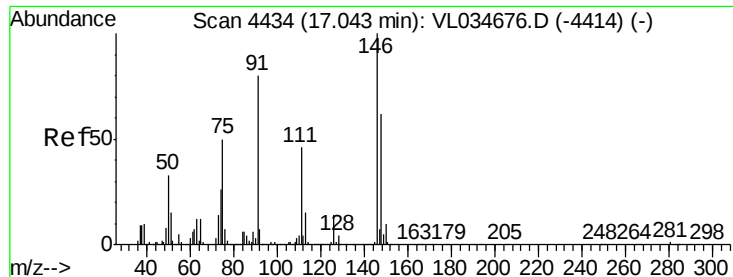
Abundance Ion 105.10 (104.80 to 105.80): V

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

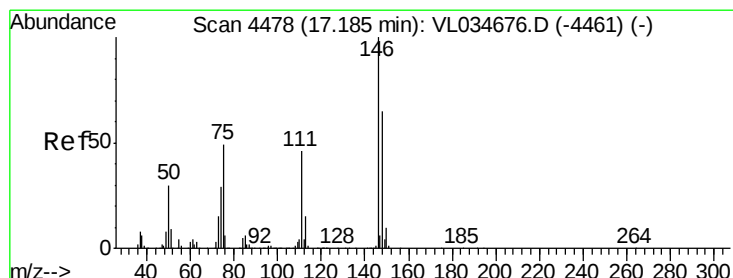
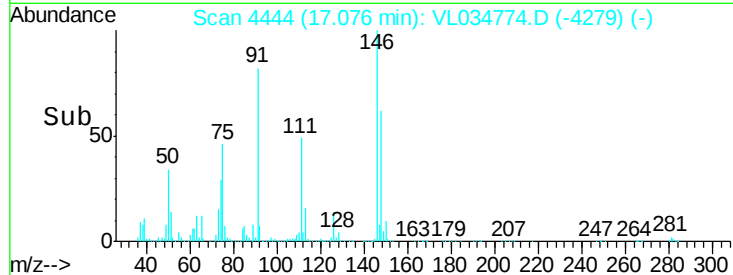
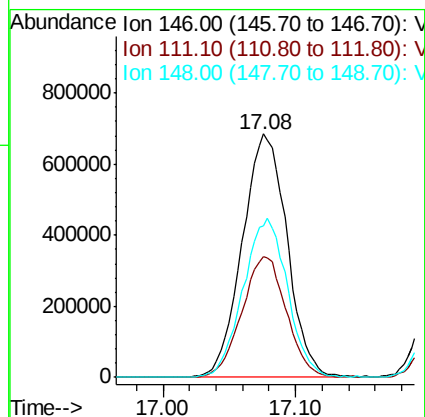
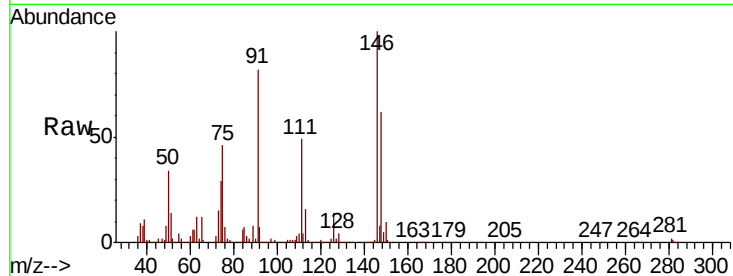




#75
 1,3-Dichlorobenzene
 Concen: 7.384 ppbv
 RT: 17.08 min Scan# 4444
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

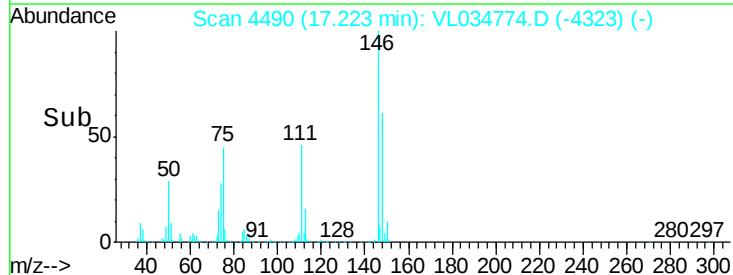
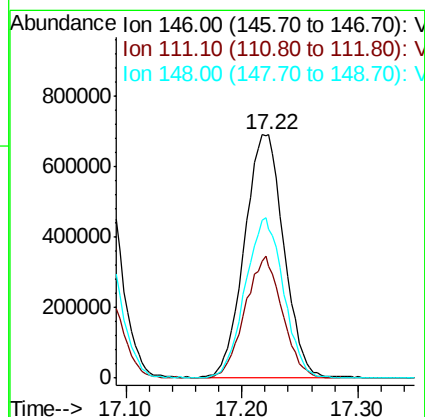
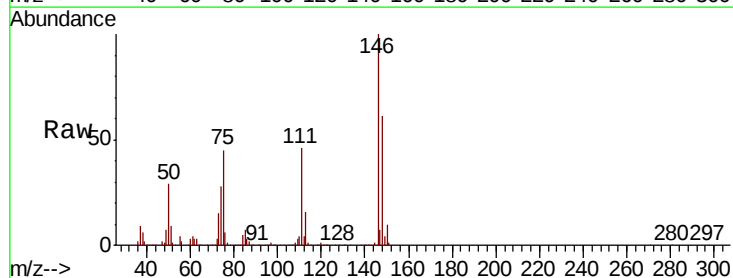
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

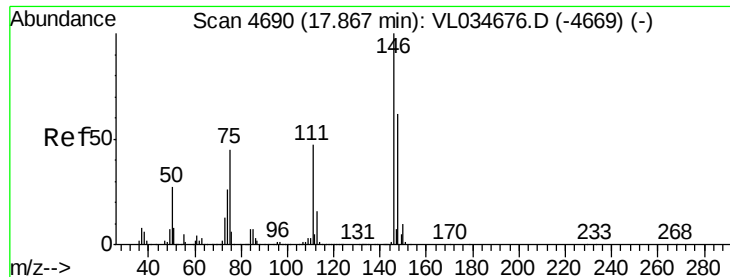
Tot Ion:146 Resp: 1608809
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.4 73.2
 148 64.9 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 7.445 ppbv
 RT: 17.22 min Scan# 4490
 Delta R.T. 0.04 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:146 Resp: 1622961
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.0
 148 64.6 31.9 95.5

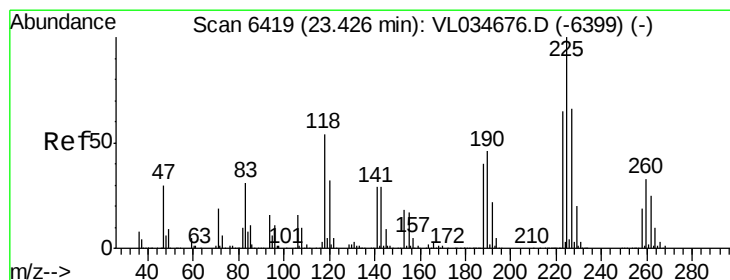
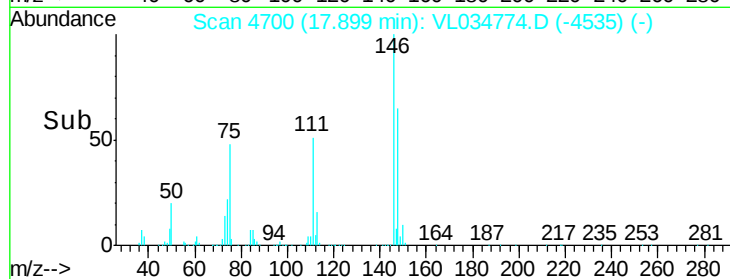
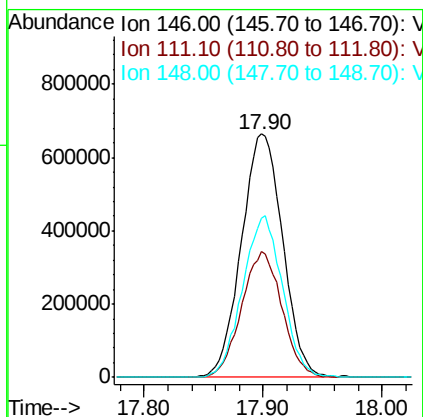
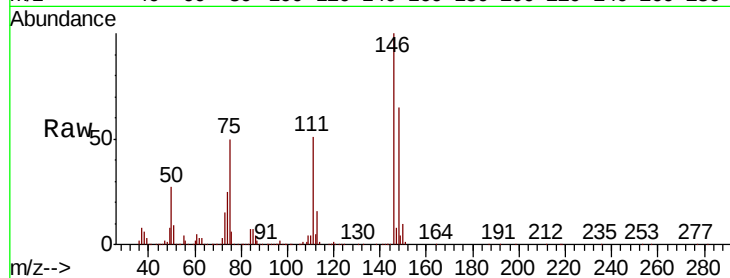




#77
 1,2-Dichlorobenzene
 Concen: 7.580 ppbv
 RT: 17.90 min Scan# 4700
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

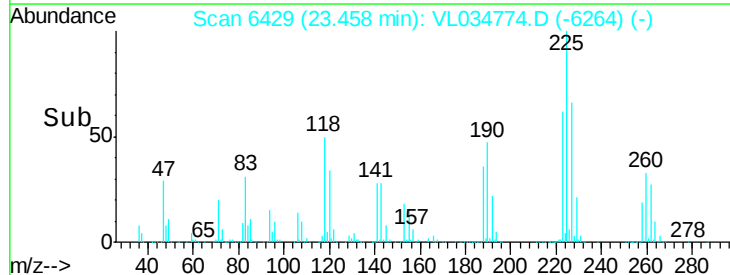
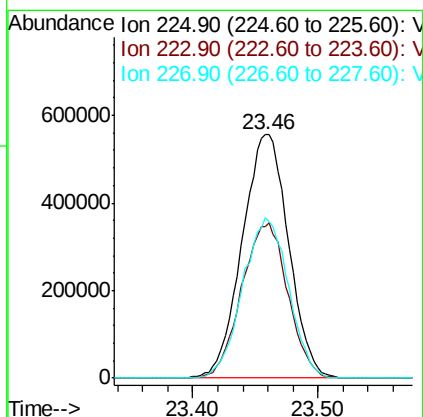
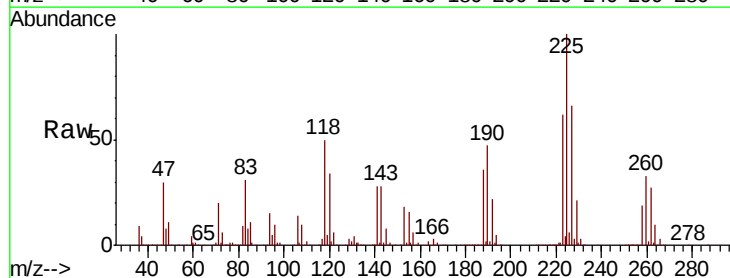
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

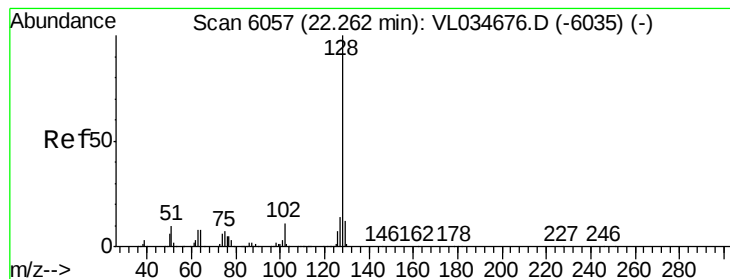
Tot Ion:146 Resp: 1596708
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.9 74.7
 148 64.1 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.806 ppbv
 RT: 23.46 min Scan# 6429
 Delta R.T. 0.03 min
 Lab File: VL034774.D
 Acq: 3 Mar 2020 21:47

Tgt Ion:225 Resp: 1431686
 Ion Ratio Lower Upper
 225 100
 223 63.3 51.3 76.9
 227 65.2 51.3 76.9





#79

Naphthalene

Concen: 8.770 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

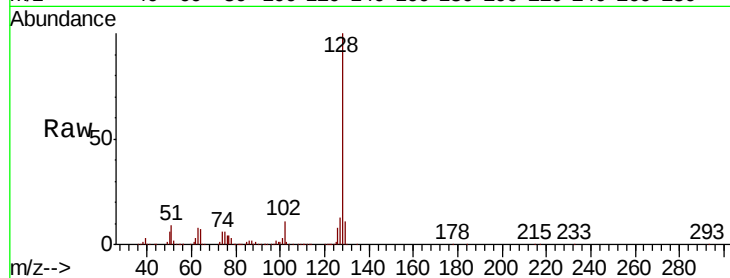
Tot Ion:128 Resp: 2913229

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.6

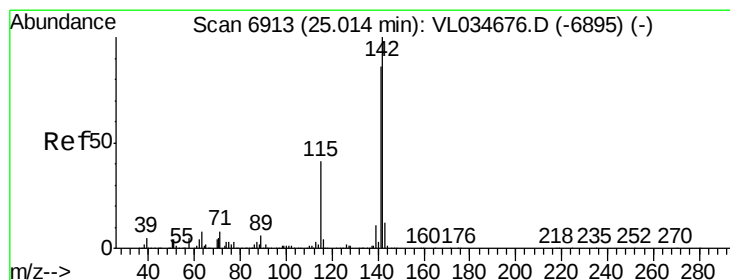
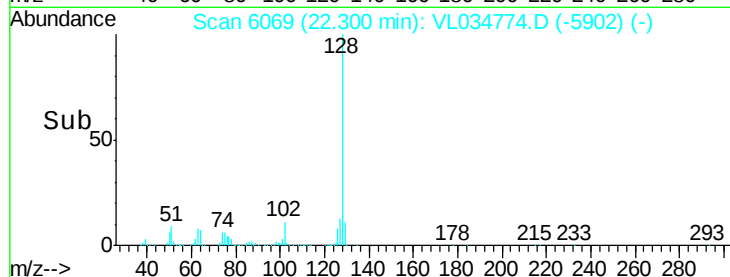
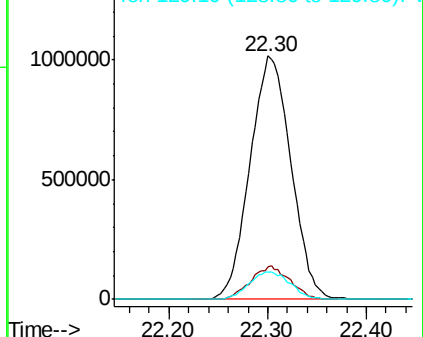
129 11.0 9.4 14.2



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: 12.656 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. 0.03 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

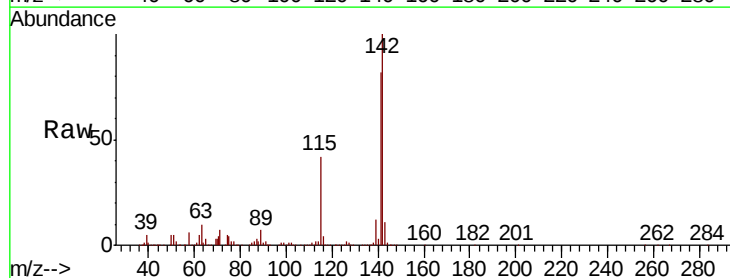
Tgt Ion:142 Resp: 1296777

Ion Ratio Lower Upper

142 100

141 84.6 66.5 99.7

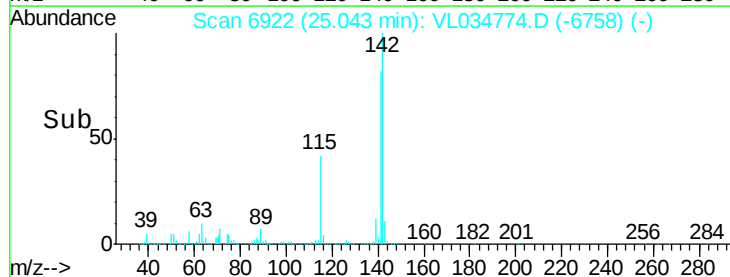
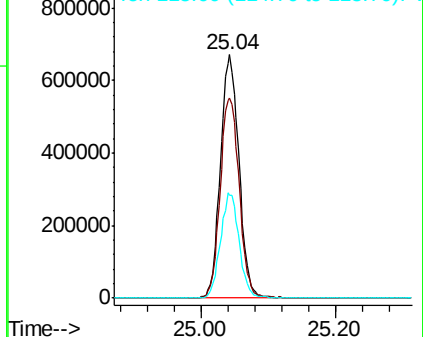
115 43.2 30.6 46.0

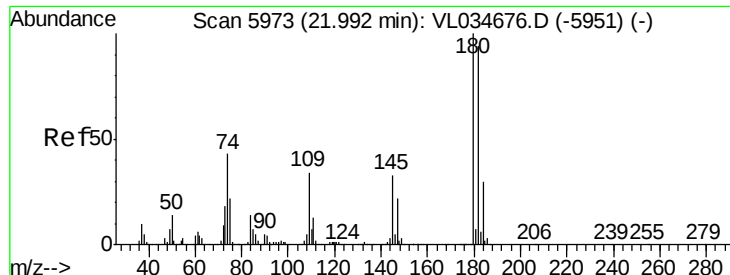


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 3.940 ppbv

RT: 22.03 min Scan# 5986

Delta R.T. 0.04 min

Lab File: VL034774.D

Acq: 3 Mar 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

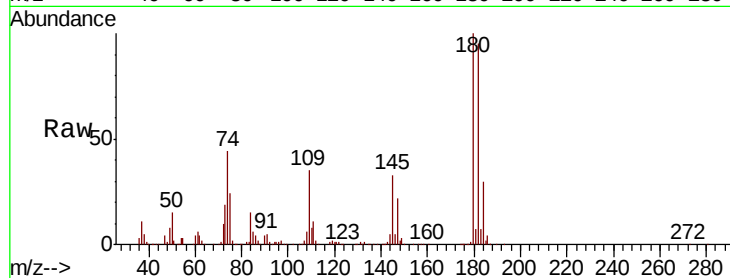
Tot Ion:180 Resp: 781062

Ion Ratio Lower Upper

180 100

182 0.0 76.5 114.7#

184 66.3 25.2 37.8#



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

