

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034885.D
 Acq On : 16 Mar 2020 10:17
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 17 04:24:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1006000	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2175548	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2325428	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1818350	10.03	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1096191	7.957	ppbv 100
3) Chlorodifluoromethane	2.94	51	1082109	9.629	ppbv 98
4) Chloromethane	3.10	50	618087	9.732	ppbv 97
5) Vinyl Chloride	3.21	62	608006	9.957	ppbv 93
6) Bromomethane	3.44	94	359623	10.117	ppbv 98
7) Chloroethane	3.52	64	224610	10.186	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1361150	9.514	ppbv 95
9) Propene	2.97	41	491417	9.159	ppbv 99
10) Heptane	8.12	43	1342672	10.168	ppbv 100
11) Trichlorofluoromethane	3.92	101	1404468	9.583	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	983867	9.592	ppbv 95
13) Ethanol	3.56	45	123348	7.562	ppbv 94
14) Bromoethene	3.70	108	432614	9.766	ppbv 100
15) Acetone	3.81	43	1129772	8.665	ppbv 99
16) 1,3-Butadiene	3.29	39	567099	9.618	ppbv 99
17) tert-Butyl alcohol	4.26	59	996801	7.935	ppbv 99
18) 1,1-Dichloroethene	4.26	96	445031	9.797	ppbv 97
19) Isopropyl Alcohol	3.93	45	675347	8.202	ppbv # 41
20) Methylene Chloride	4.31	84	389178	9.440	ppbv 98
21) Allyl Chloride	4.38	41	782671	9.346	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	439709	9.541	ppbv 96
23) Vinyl Acetate	5.05	43	1779828	9.241	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1246668	9.655	ppbv 99
25) Ethyl Acetate	5.66	43	2197073	9.458	ppbv 99
26) Hexane	5.67	57	972080	9.718	ppbv 98
27) Carbon Disulfide	4.52	76	1171272	10.319	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1507952	9.061	ppbv 99
29) Chloroform	5.74	83	1506583	9.871	ppbv 96
30) Cyclohexane	7.13	84	828728	9.930	ppbv 99
31) cis-1,2-Dichloroethene	5.53	61	984371	9.623	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	1467244	9.866	ppbv 99
34) 2-Butanone	5.22	43	1461276	10.107	ppbv 99
35) Carbon Tetrachloride	7.01	117	1505886	11.129	ppbv 99
36) Benzene	6.88	78	1941953	10.014	ppbv 96
37) 1,2-Dichloroethane	6.30	62	1177640	10.770	ppbv 98
38) Trichloroethene	7.84	130	729861	9.910	ppbv 93
39) 1,2-Dichloropropane	7.61	63	774993	10.087	ppbv 98
40) 1,4-Dioxane	7.83	88	254818	8.782	ppbv # 91
41) Tetrahydrofuran	6.03	42	813302	10.396	ppbv 99
42) Bromodichloromethane	7.79	83	1625896	10.910	ppbv 99
43) Methyl Methacrylate	8.01	69	878475	10.753	ppbv 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3411843	10.412	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1020423	10.631	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1195538	10.482	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	820456	10.406	ppbv	95
48) Dibromochloromethane	10.32	129	1358151	10.636	ppbv	98
49) Bromoform	13.06	173	1202012	10.558	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2221821	10.676	ppbv	100
51) 2-Hexanone	10.14	43	1839820	10.878	ppbv #	99
52) Tetrachloroethene	11.24	164	703141	9.165	ppbv	95
53) Toluene	9.82	91	2298300	10.263	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1242543	10.469	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1015715	9.724	ppbv	98
57) Chlorobenzene	12.16	112	1708825	9.392	ppbv	96
58) Ethyl Benzene	12.73	91	3151315	10.007	ppbv	99
59) m/p-Xylene	13.01	91	2707472	10.262	ppbv #	39
60) o-Xylene	13.71	91	2546249	9.885	ppbv	99
61) Styrene	13.55	104	1860544	10.292	ppbv	98
62) Isopropylbenzene	14.69	105	3745626	9.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1819876	10.406	ppbv	99
64) n-propylbenzene	15.59	120	988977	9.755	ppbv	90
65) tert-Butylbenzene	16.77	119	3271686	9.608	ppbv	97
66) Benzyl Chloride	17.02	91	1350865	9.514	ppbv	96
67) sec-Butylbenzene	17.32	105	4704330	9.964	ppbv	98
69) p-Isopropyltoluene	17.68	119	3908989	9.874	ppbv	99
70) n-Butylbenzene	18.58	91	4201845	10.402	ppbv	99
71) 2-Chlorotoluene	15.48	91	2943932	9.980	ppbv	98
72) 4-Ethyltoluene	15.87	105	3064785	10.074	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2877030	10.103	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	2973116	10.133	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1720922	9.728	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1705516	9.661	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1657421	9.665	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1371311	9.574	ppbv	99
79) Naphthalene	22.25	128	2828329	12.361	ppbv	98
80) Naphthalene, 2-methyl-	25.01	142	1147158	19.185	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1601291	11.015	ppbv	99

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

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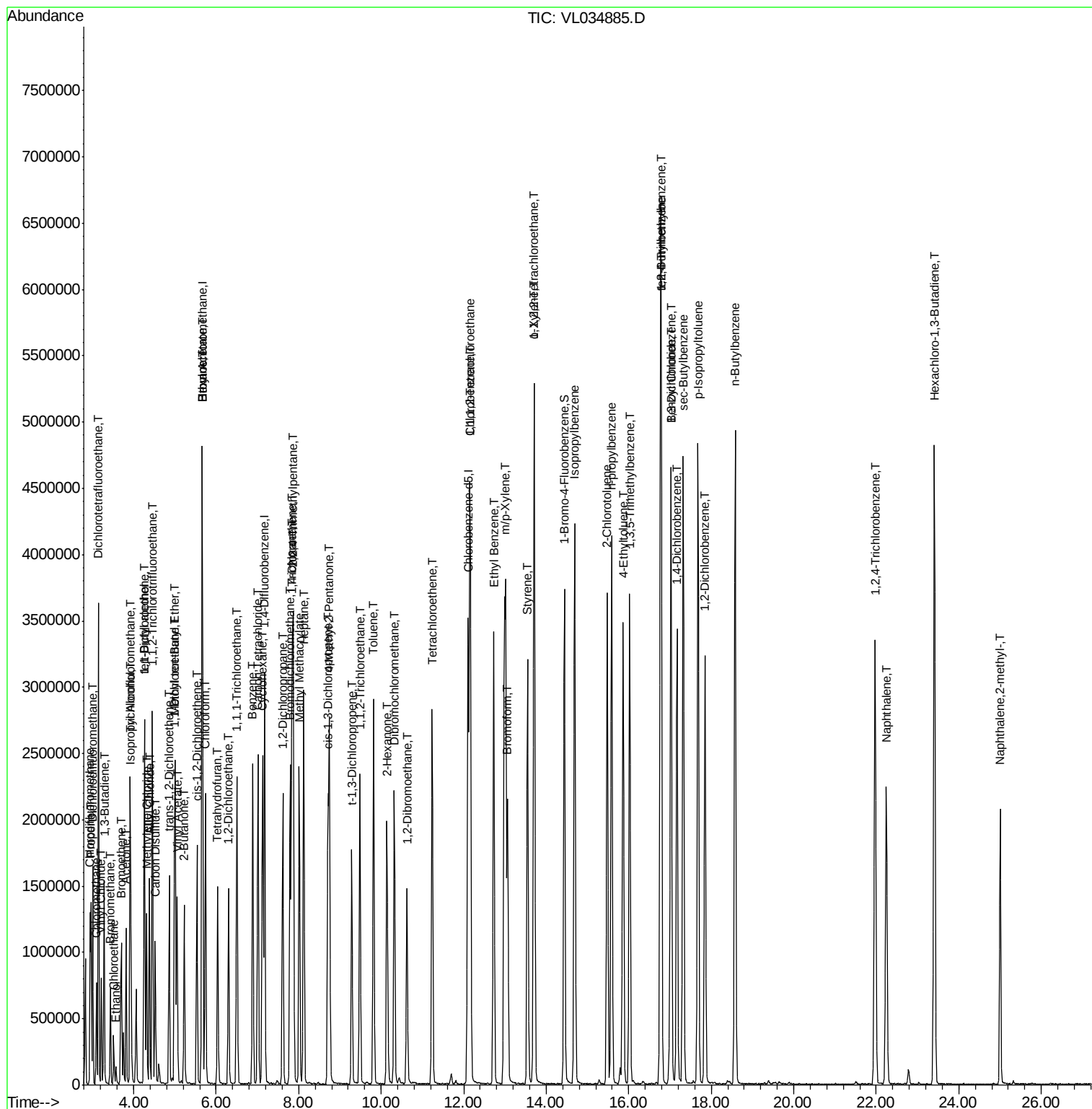
Quant Time: Mar 17 04:24:50 2020

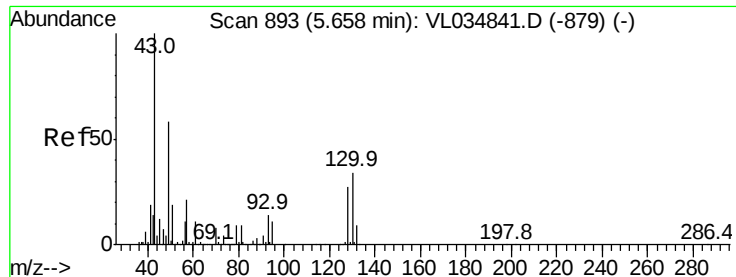
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M

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QLast Update : Mon Mar 09 16:42:53 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

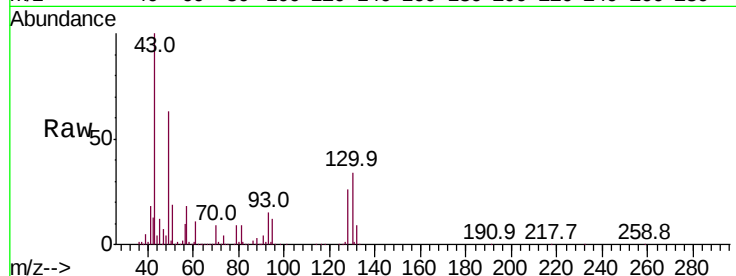
Tot Ion: 49 Resp: 1006000

Ion Ratio Lower Upper

49 100

128 44.2 23.4 70.3

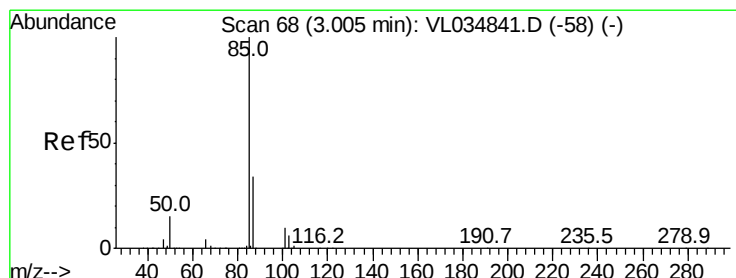
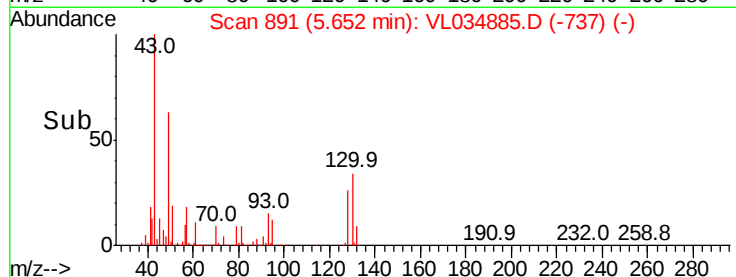
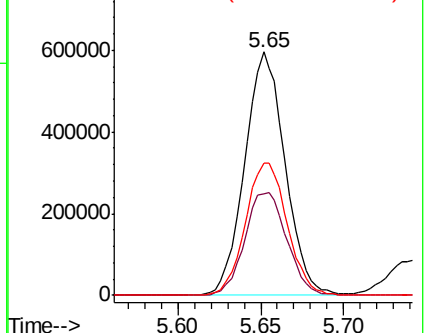
130 56.5 30.0 90.0



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: 7.957 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034885.D

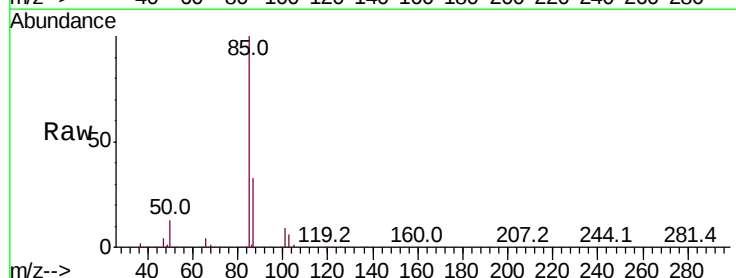
Acq: 16 Mar 2020 10:17

Tgt Ion: 85 Resp: 1096191

Ion Ratio Lower Upper

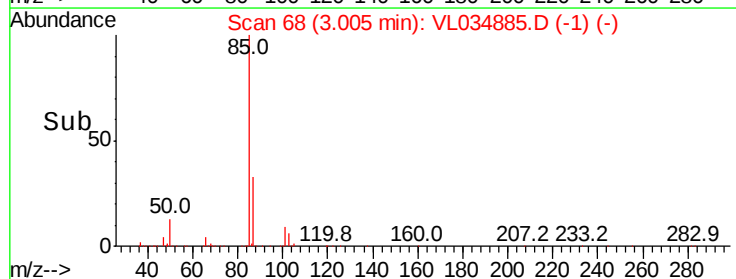
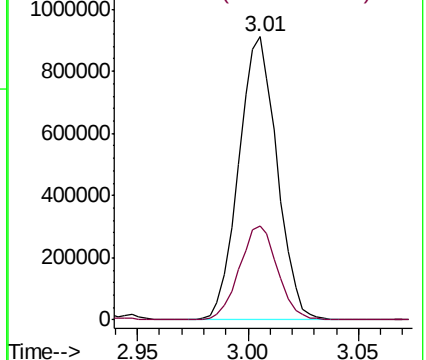
85 100

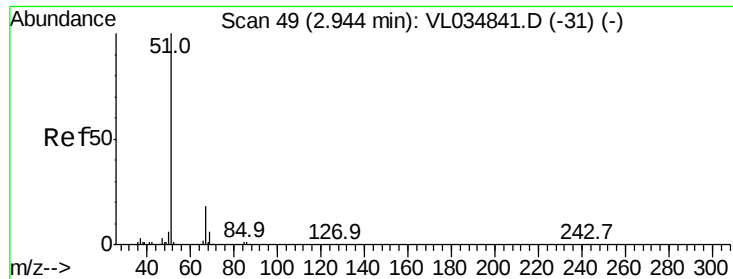
87 33.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

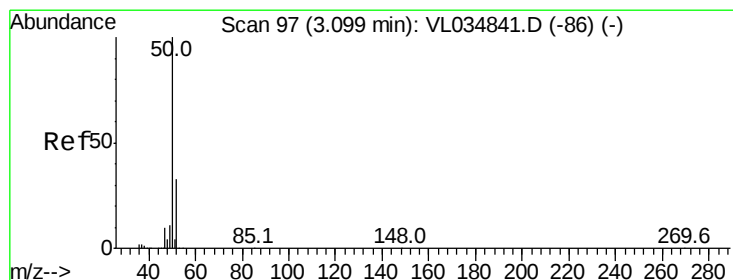
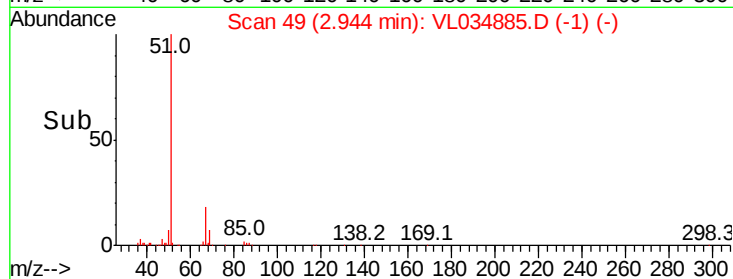
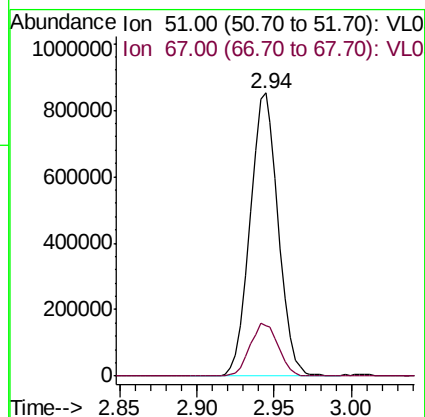
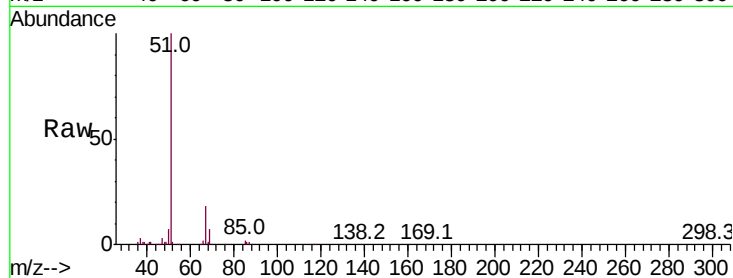




#3
 Chlorodifluoromethane
 Concen: 9.629 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

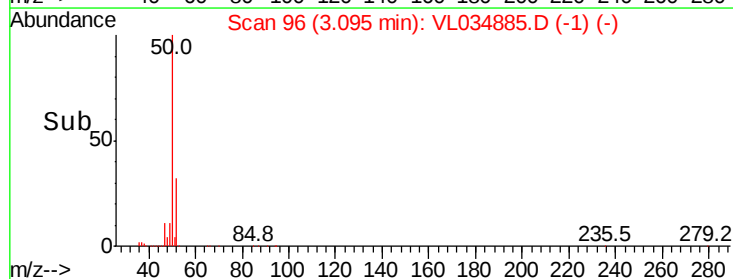
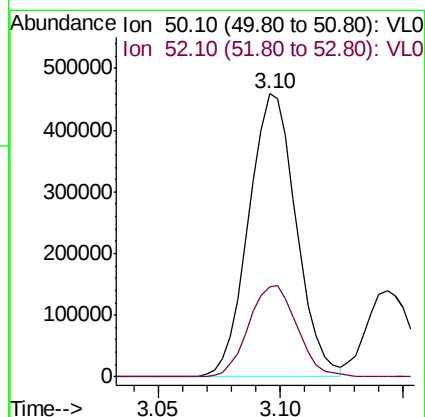
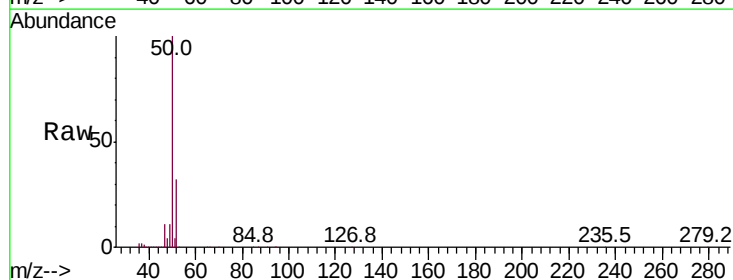
Instrument :
 MSVOA_L
 ClientSampleId :

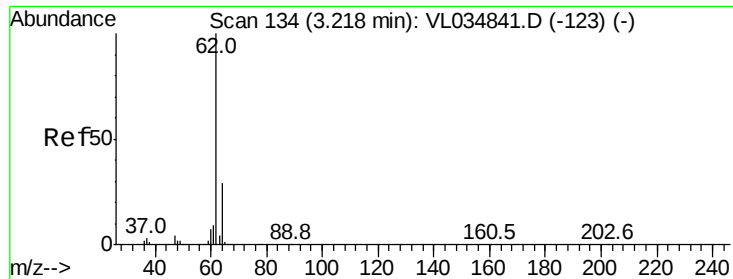
Tot Ion: 51 Resp: 1082109
 Ion Ratio Lower Upper
 51 100
 67 18.9 14.3 21.5



#4
 Chloromethane
 Concen: 9.732 ppbv
 RT: 3.10 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 50 Resp: 618087
 Ion Ratio Lower Upper
 50 100
 52 31.8 26.8 40.2





#5

Vinyl Chloride

Concen: 9.957 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

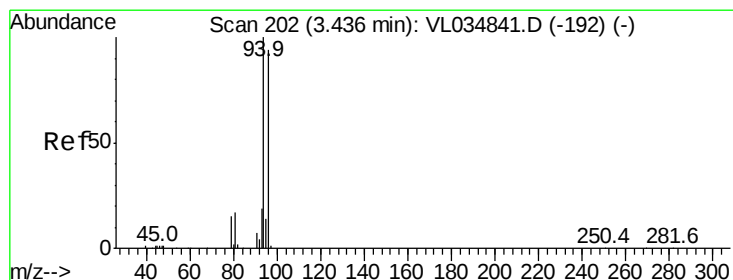
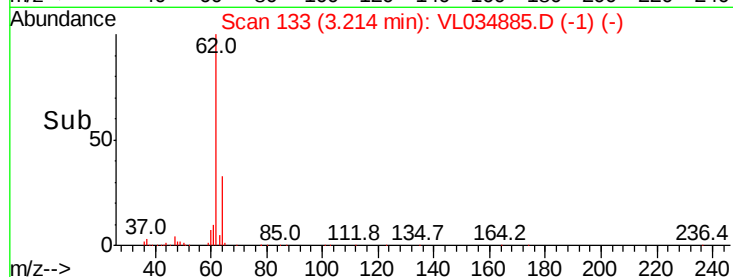
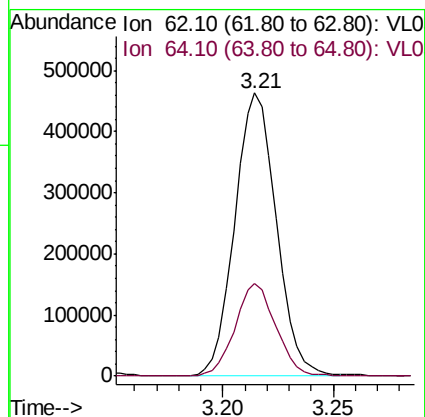
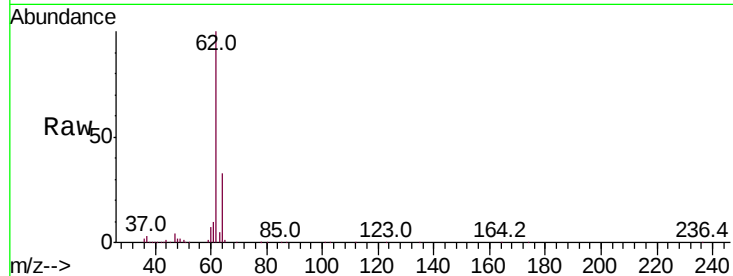
ClientSampled :

Tot Ion: 62 Resp: 608006

Ion Ratio Lower Upper

62 100

64 32.6 23.0 34.4



#6

Bromomethane

Concen: 10.117 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034885.D

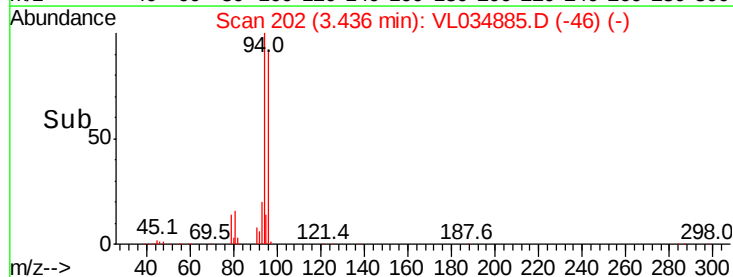
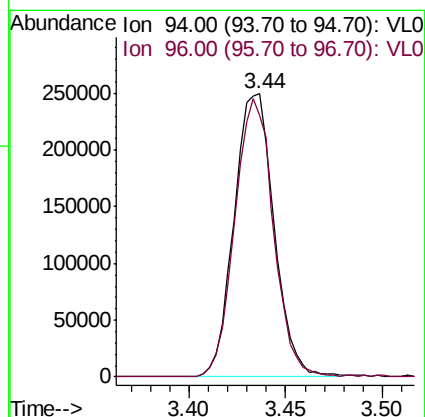
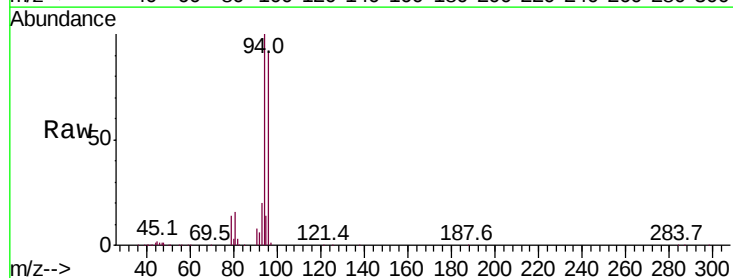
Acq: 16 Mar 2020 10:17

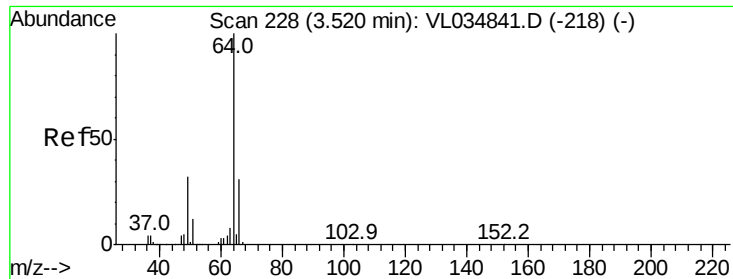
Tgt Ion: 94 Resp: 359623

Ion Ratio Lower Upper

94 100

96 92.4 75.5 113.3





#7

Chloroethane

Concen: 10.186 ppbv

RT: 3.52 min Scan# 227

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

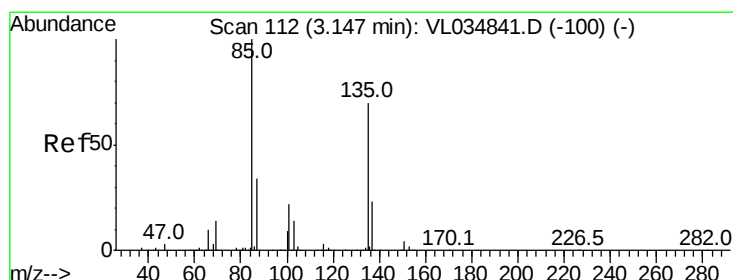
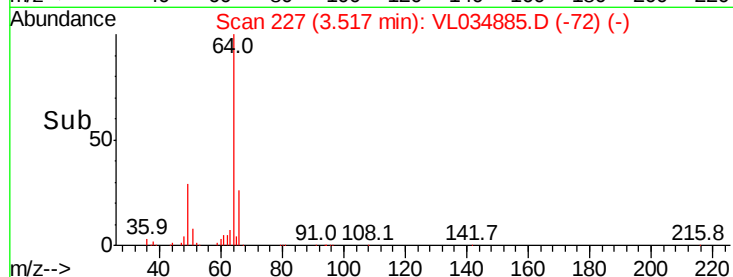
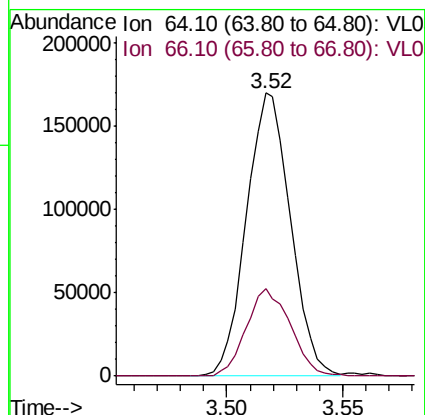
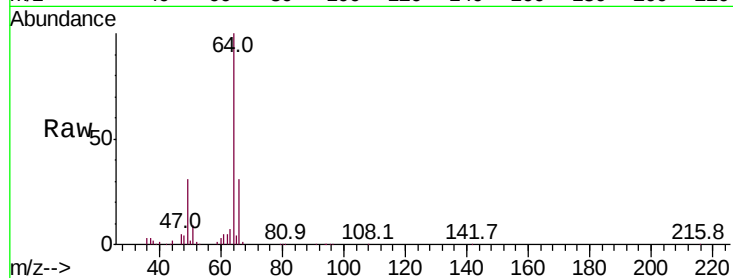
ClientSampleId :

Tot Ion: 64 Resp: 224610

Ion Ratio Lower Upper

64 100

66 31.1 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.514 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034885.D

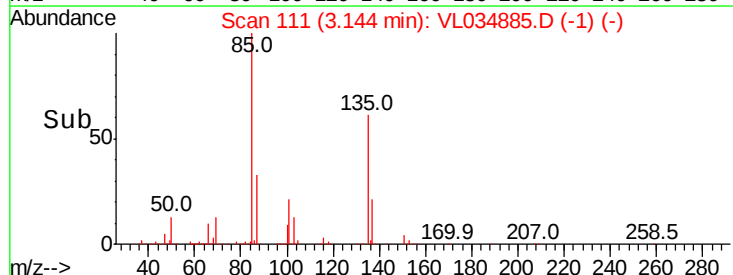
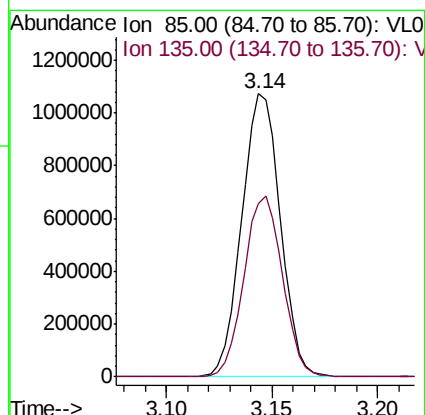
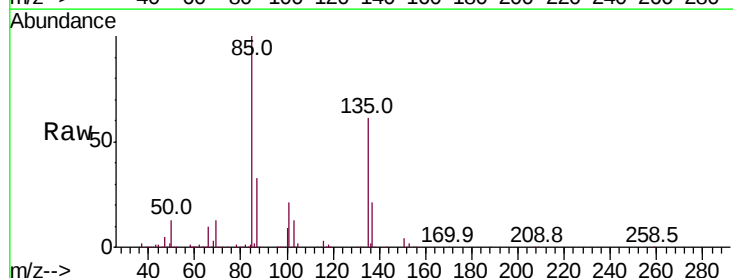
Acq: 16 Mar 2020 10:17

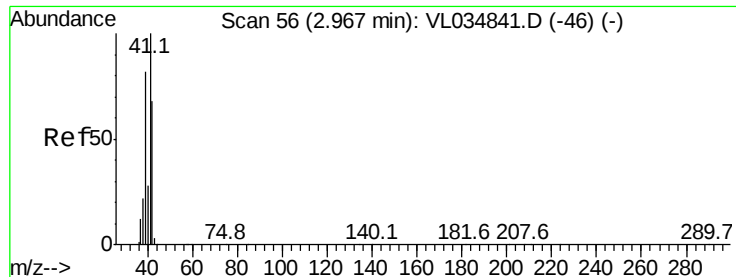
Tgt Ion: 85 Resp: 1361150

Ion Ratio Lower Upper

85 100

135 64.2 54.3 81.5





#9

Propene

Concen: 9.159 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

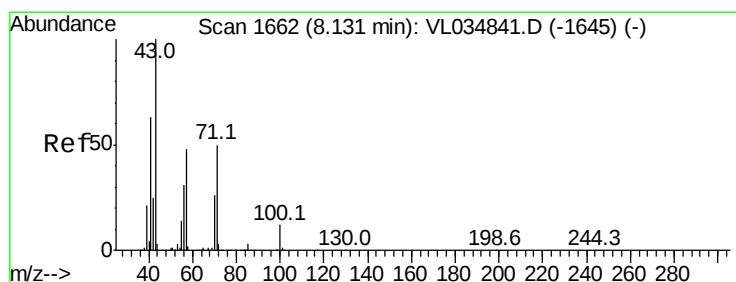
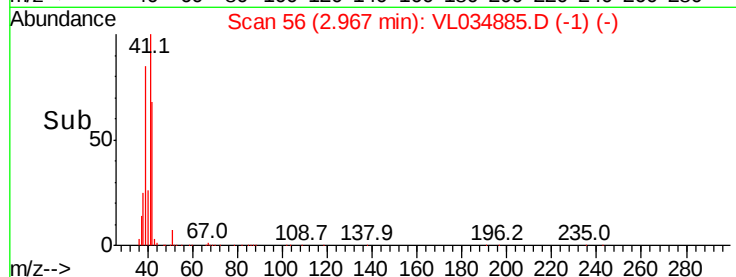
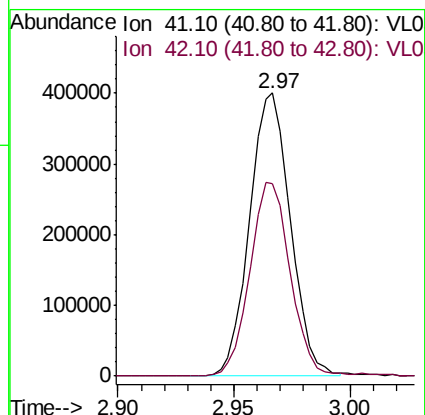
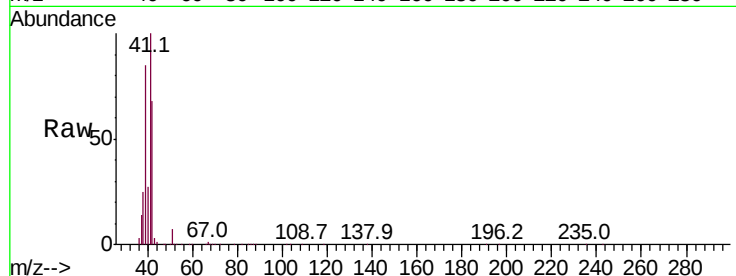
ClientSampleId :

Tot Ion: 41 Resp: 491417

Ion Ratio Lower Upper

41 100

42 68.3 55.2 82.8



#10

Heptane

Concen: 10.168 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL034885.D

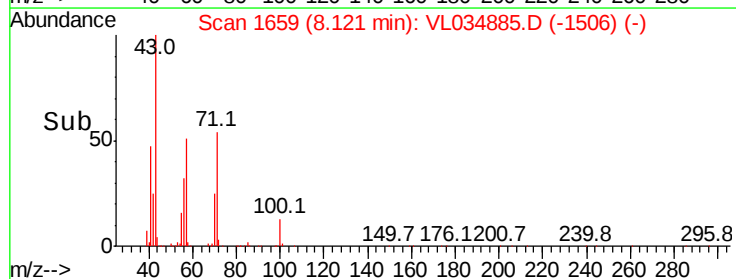
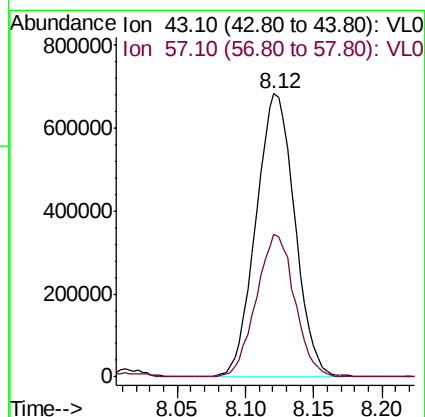
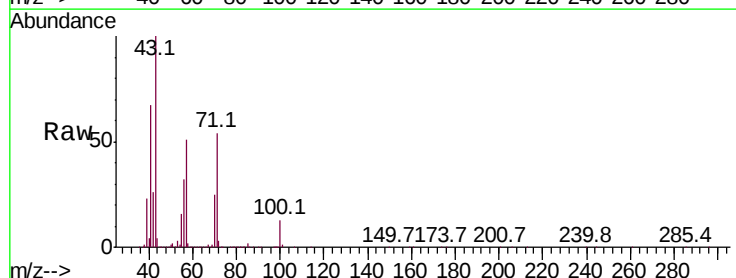
Acq: 16 Mar 2020 10:17

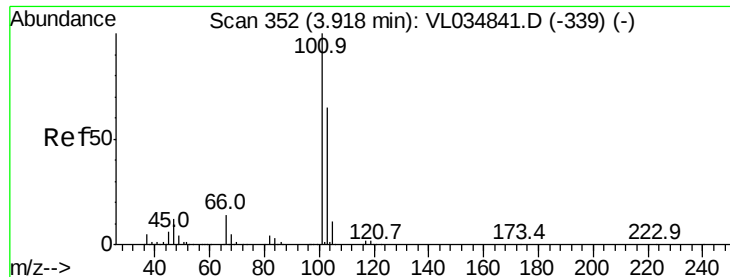
Tgt Ion: 43 Resp: 1342672

Ion Ratio Lower Upper

43 100

57 49.8 39.7 59.5

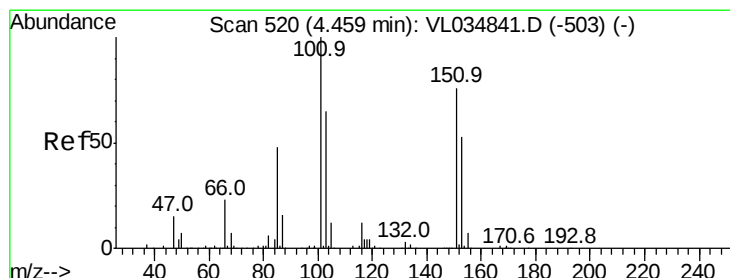
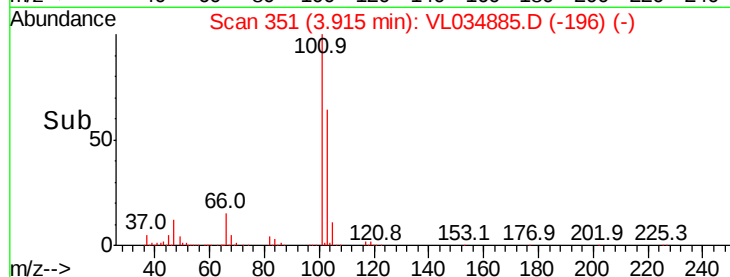
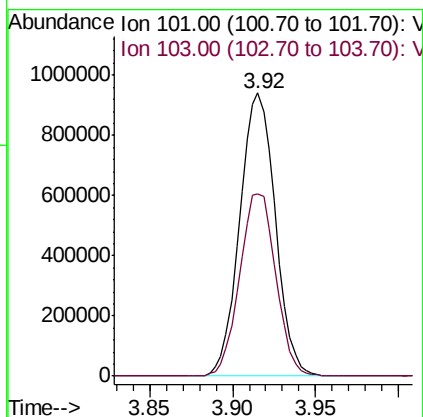
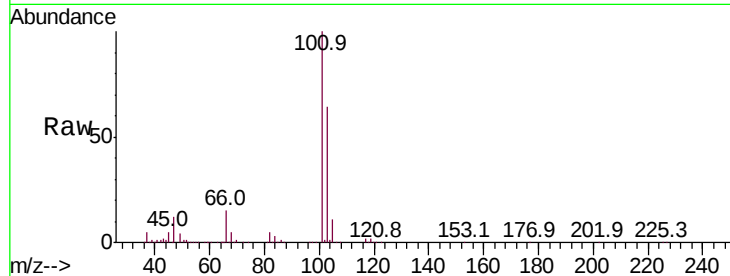




#11
 Trichlorofluoromethane
 Concen: 9.583 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

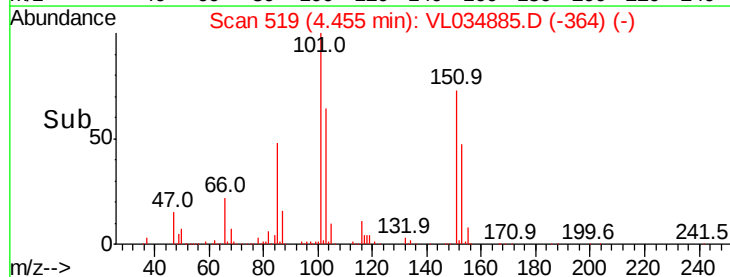
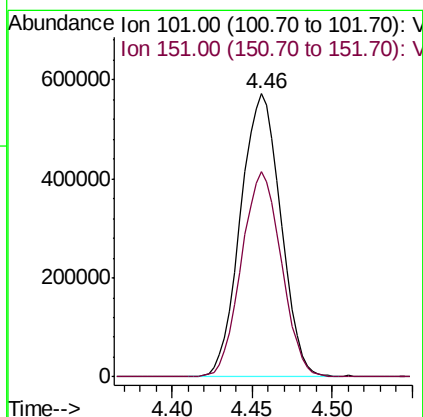
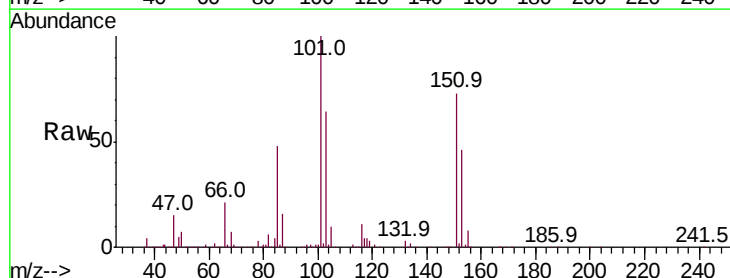
Instrument :
 MSVOA_L
 ClientSampleId :

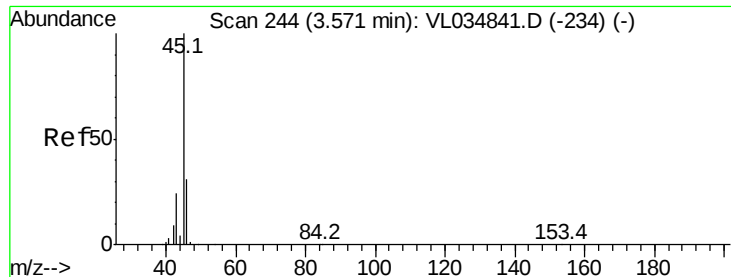
Tot Ion:101 Resp: 1404468
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.592 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion:101 Resp: 983867
 Ion Ratio Lower Upper
 101 100
 151 72.0 60.8 91.2





#13

Ethanol

Concen: 7.562 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

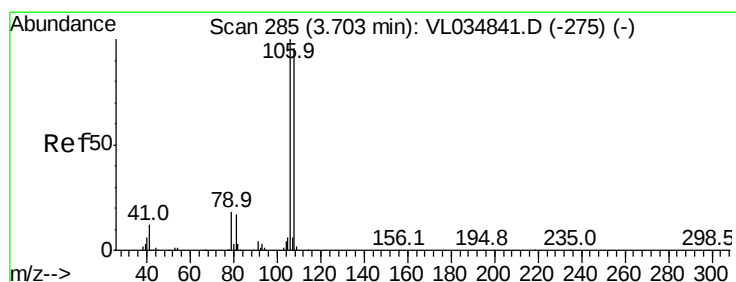
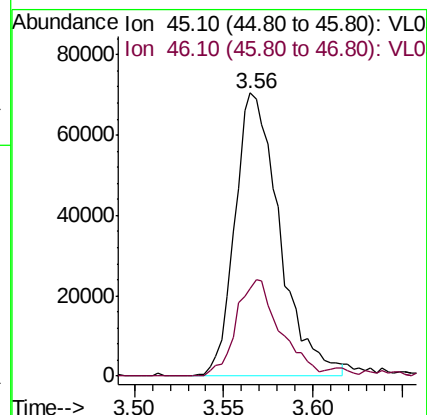
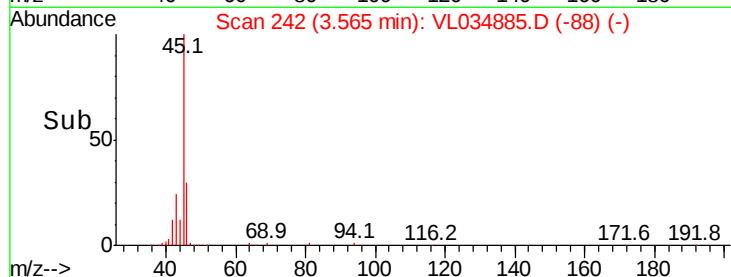
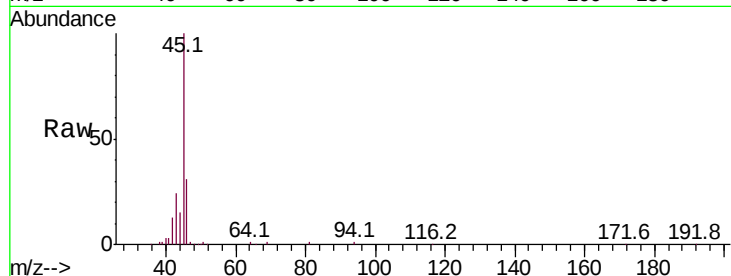
ClientSampleId :

Tot Ion: 45 Resp: 123348

Ion Ratio Lower Upper

45 100

46 36.0 16.0 64.0



#14

Bromoethene

Concen: 9.766 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

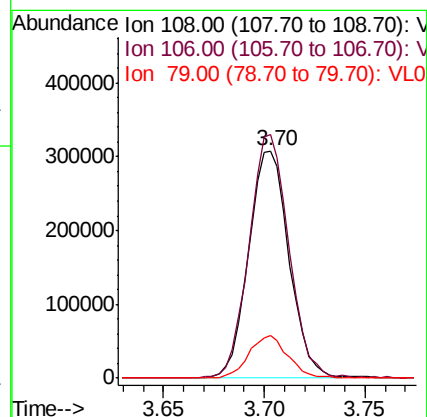
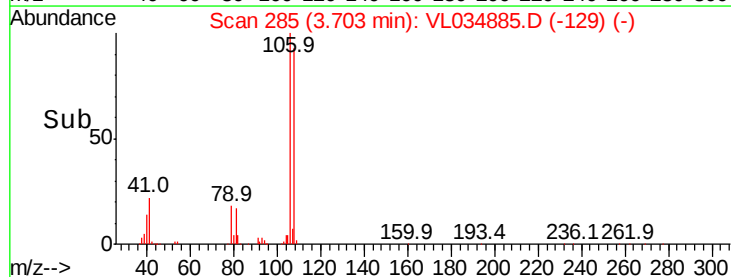
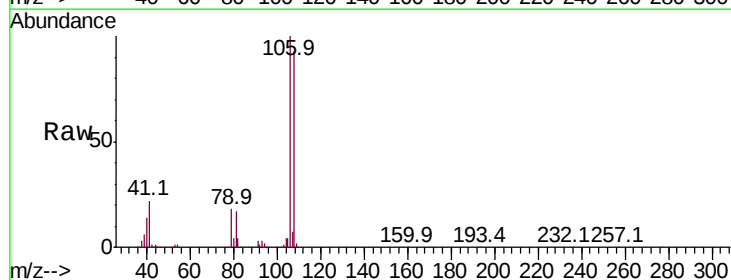
Tgt Ion: 108 Resp: 432614

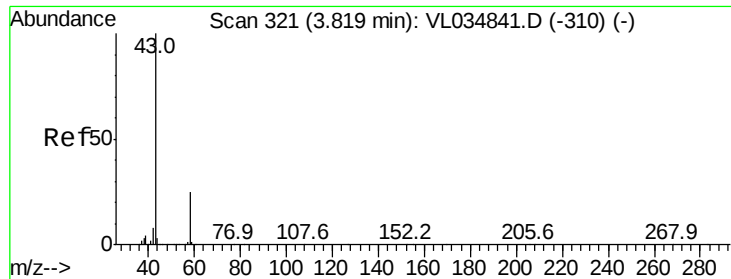
Ion Ratio Lower Upper

108 100

106 106.5 85.1 127.7

79 18.4 14.7 22.1





#15

Acetone

Concen: 8.665 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

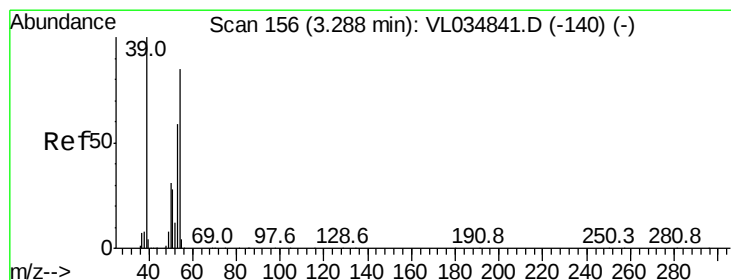
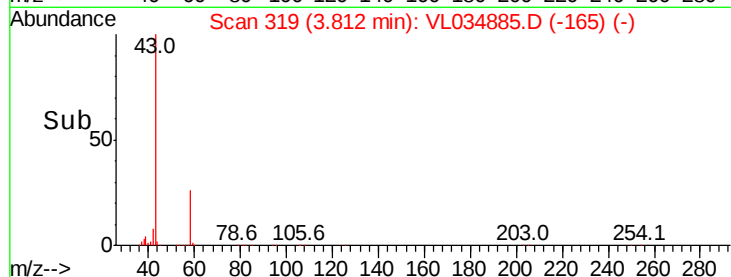
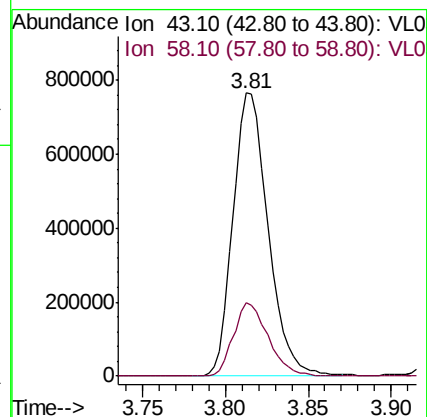
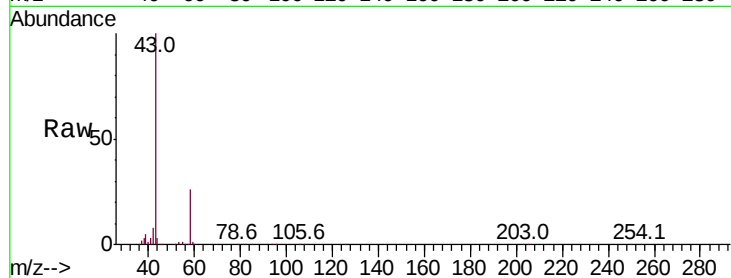
ClientSampleId :

Tot Ion: 43 Resp: 1129772

Ion Ratio Lower Upper

43 100

58 25.7 21.0 31.6



#16

1,3-Butadiene

Concen: 9.618 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL034885.D

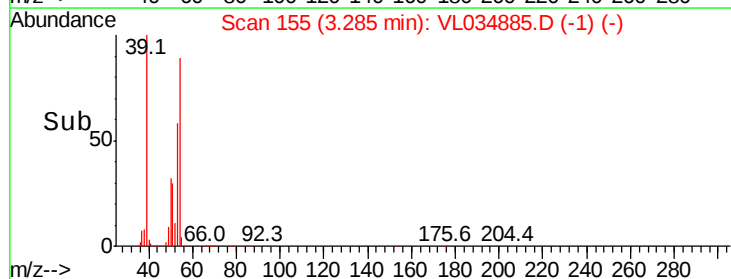
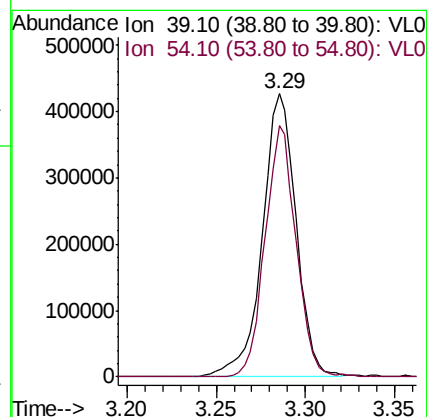
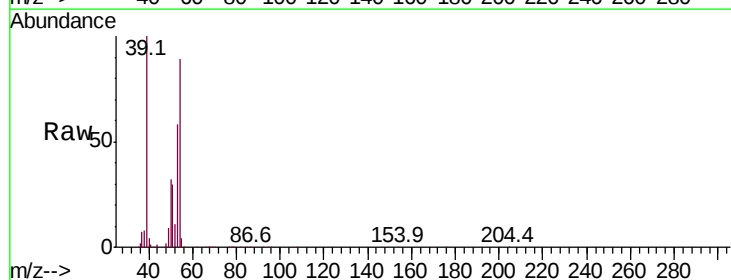
Acq: 16 Mar 2020 10:17

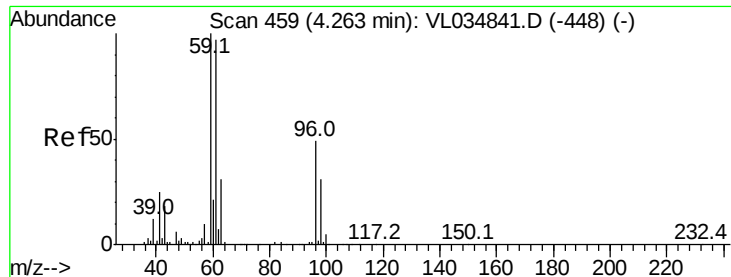
Tgt Ion: 39 Resp: 567099

Ion Ratio Lower Upper

39 100

54 82.0 65.0 97.6



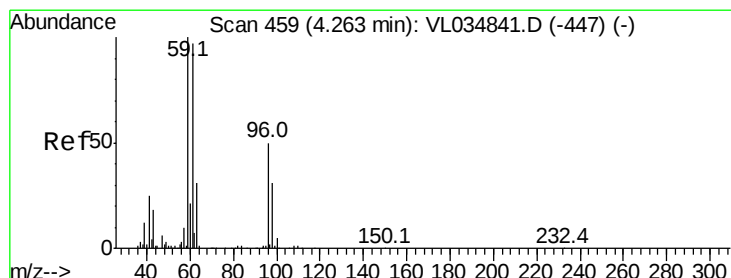
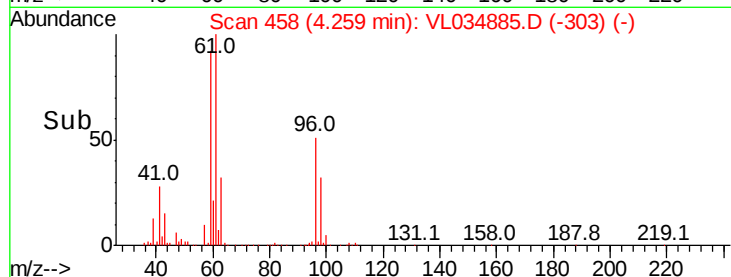
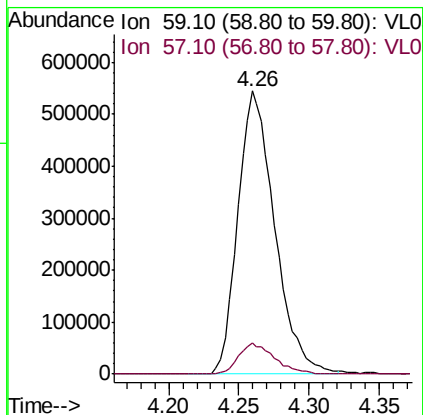
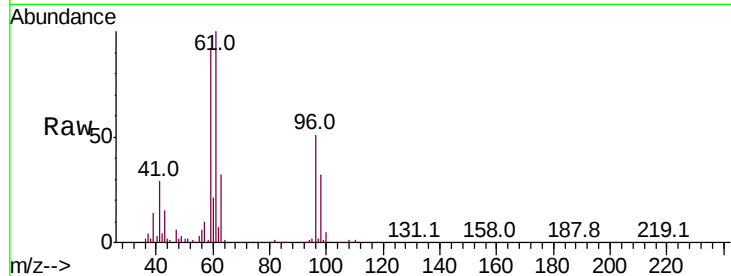


#17

tert-Butyl alcohol
 Concen: 7.935 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :

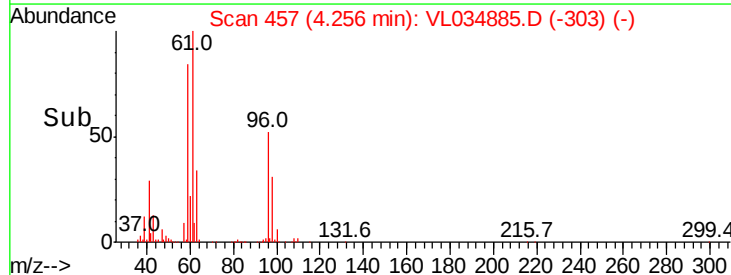
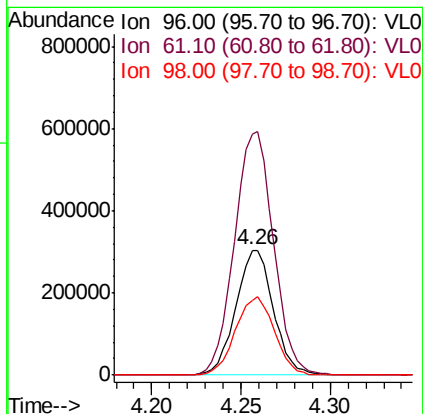
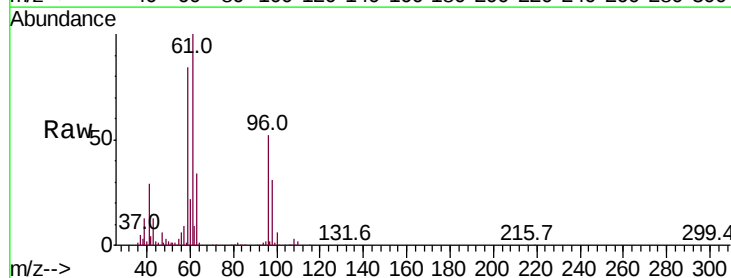
Tot Ion: 59 Resp: 996801
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.3 12.5

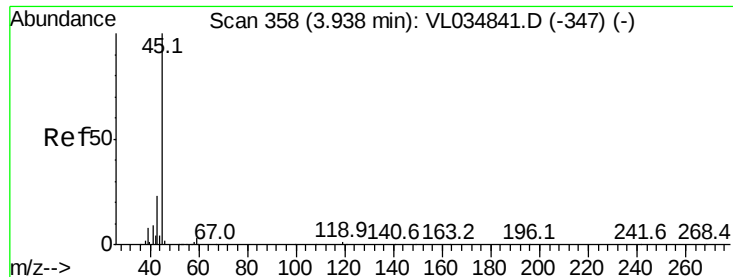


#18

1,1-Dichloroethene
 Concen: 9.797 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 96 Resp: 445031
 Ion Ratio Lower Upper
 96 100
 61 192.5 157.3 235.9
 98 59.9 50.2 75.4





#19

Isopropyl Alcohol

Concen: 8.202 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

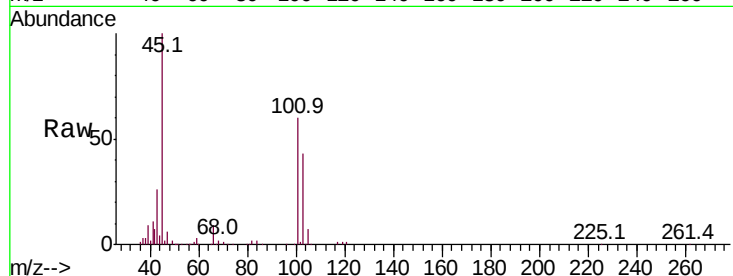
ClientSampleId :

Tot Ion: 45 Resp: 675347

Ion Ratio Lower Upper

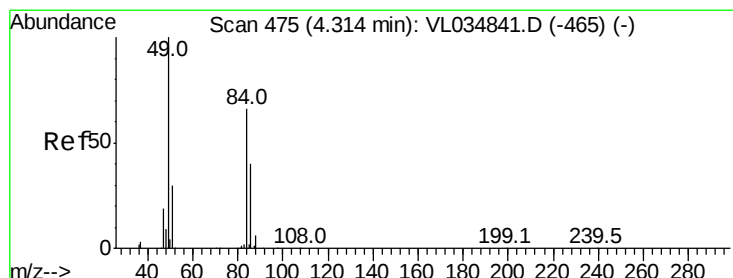
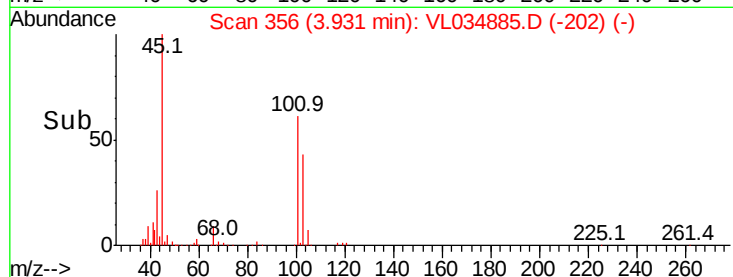
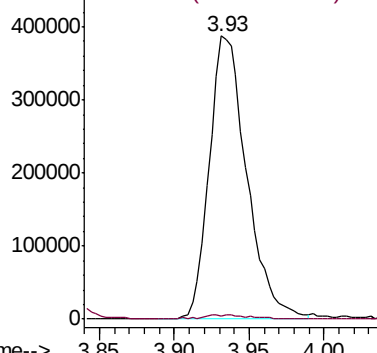
45 100

58 2.3 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.440 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 389178

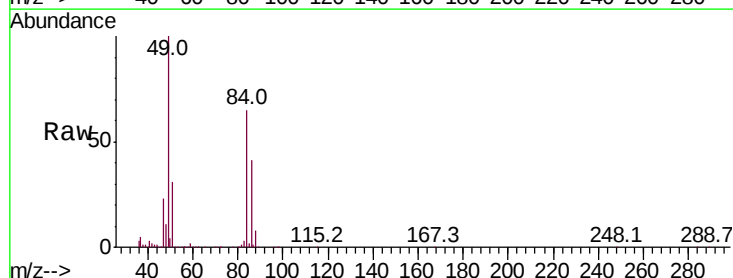
Ion Ratio Lower Upper

84 100

49 152.9 121.5 182.3

51 47.0 36.6 55.0

86 63.5 48.2 72.2

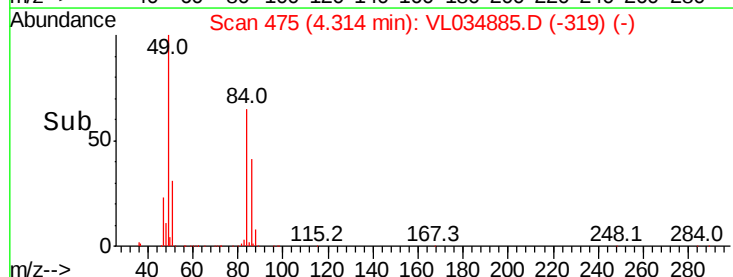
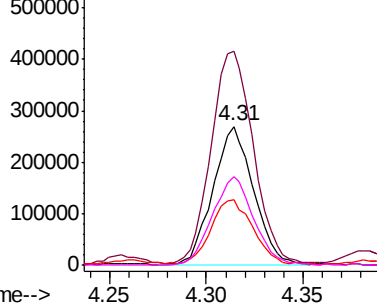


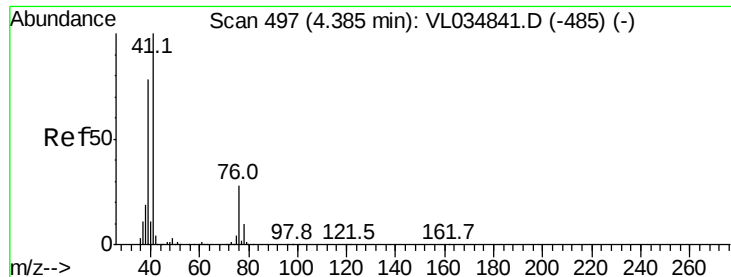
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

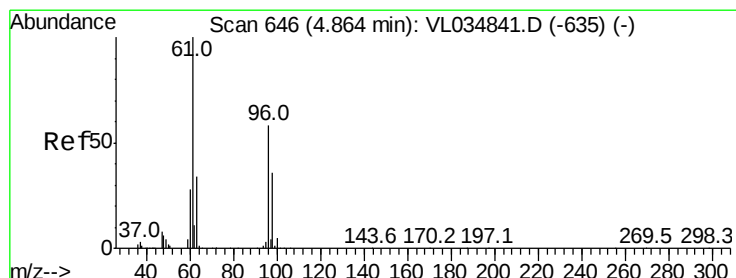
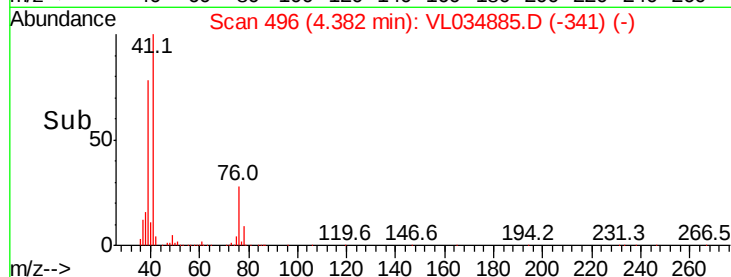
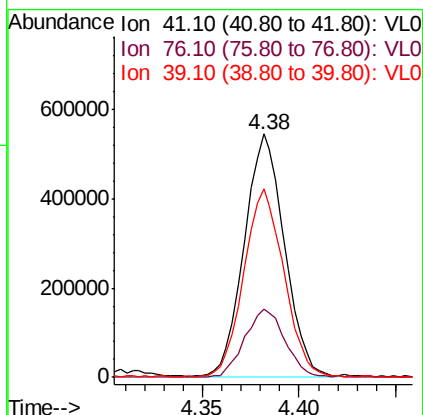
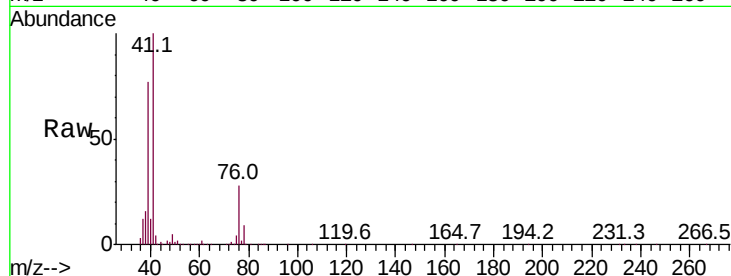




#21
Allvl Chloride
Concen: 9.346 ppbv
RT: 4.38 min Scan# 496
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

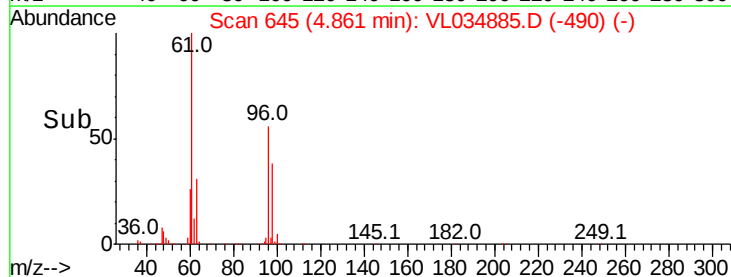
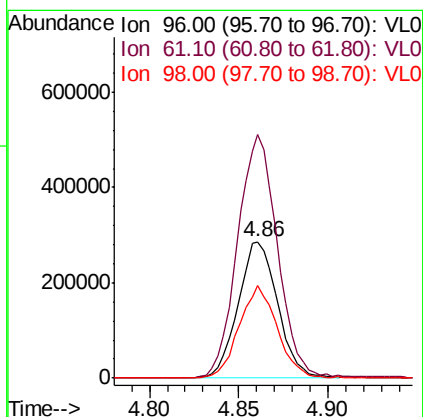
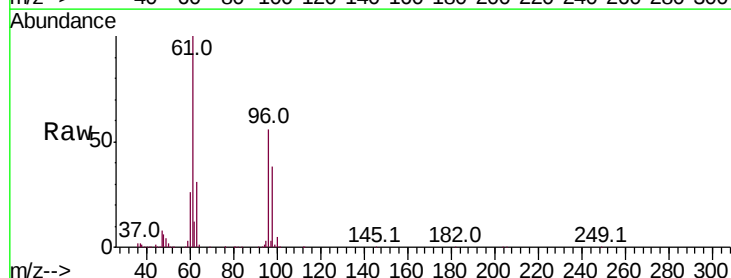
Instrument :
MSVOA_L
ClientSampleId :

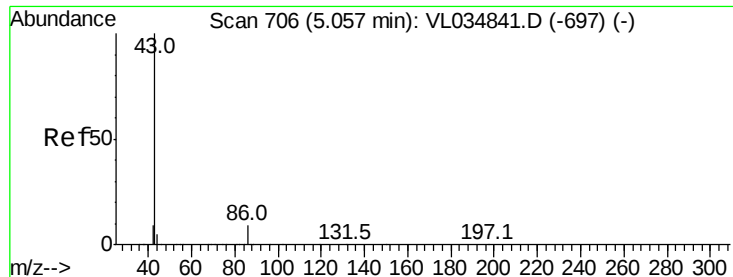
Tot Ion: 41 Resp: 782671
Ion Ratio Lower Upper
41 100
76 28.7 22.2 33.2
39 78.2 62.6 93.8



#22
trans-1,2-Dichloroethene
Concen: 9.541 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 96 Resp: 439709
Ion Ratio Lower Upper
96 100
61 178.9 139.0 208.6
98 68.1 50.3 75.5





#23

Vinyl Acetate

Concen: 9.241 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1779828

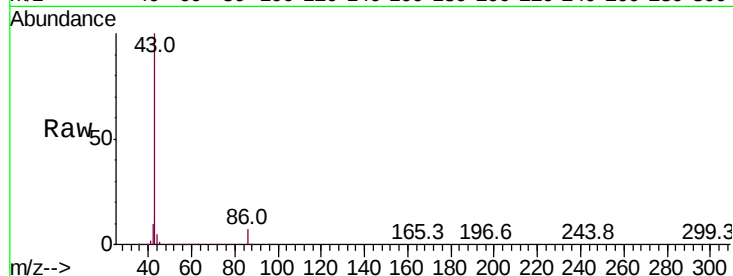
Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 10.1 7.8 11.8

44 5.0 4.0 6.0

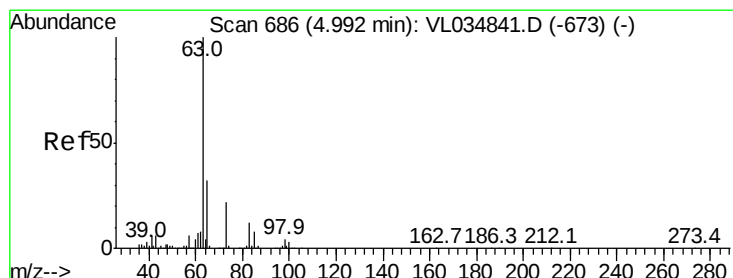
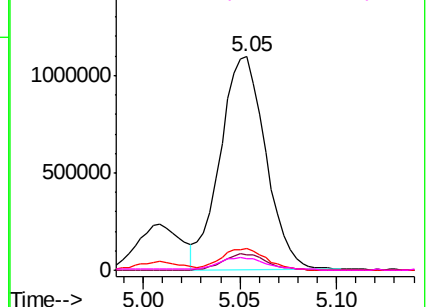
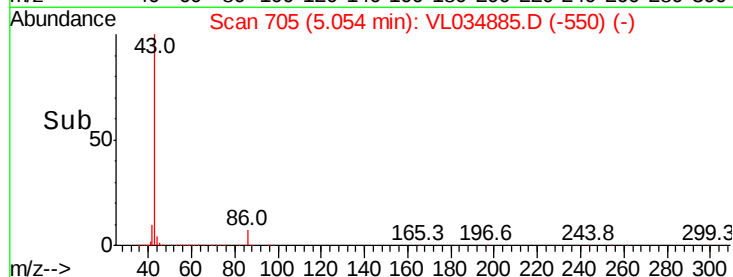


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.655 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

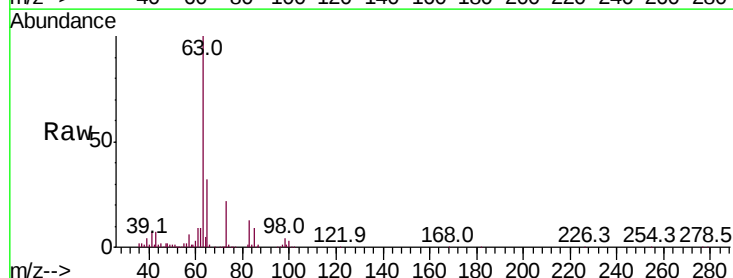
Tgt Ion: 63 Resp: 1246668

Ion Ratio Lower Upper

63 100

98 4.2 2.0 5.8

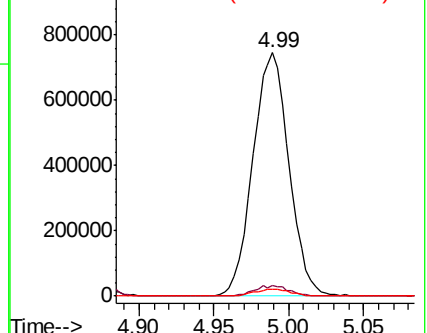
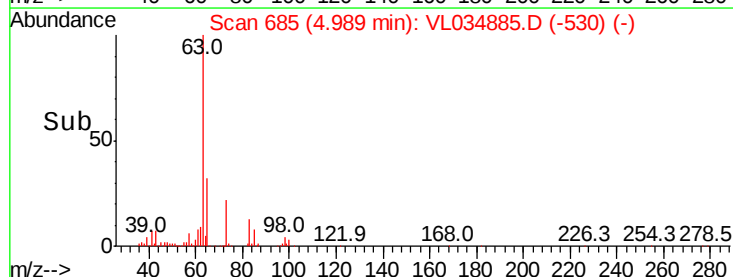
100 2.9 1.4 4.0

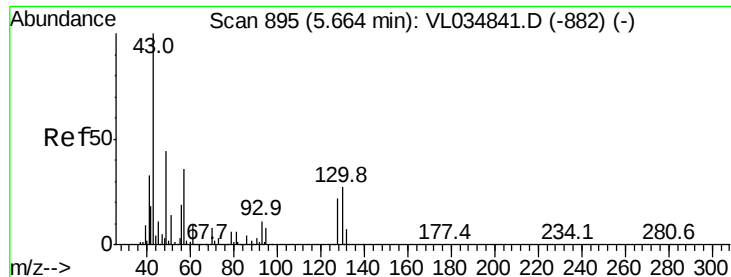


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



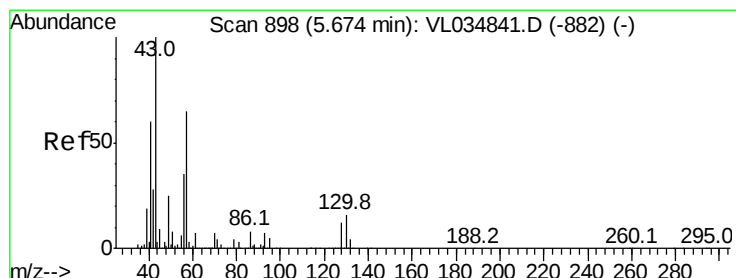
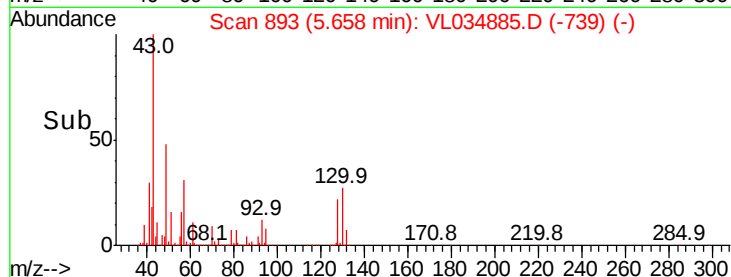
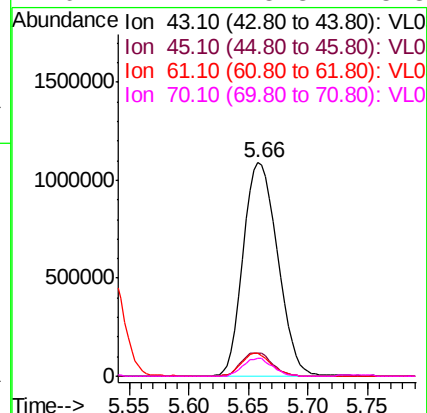
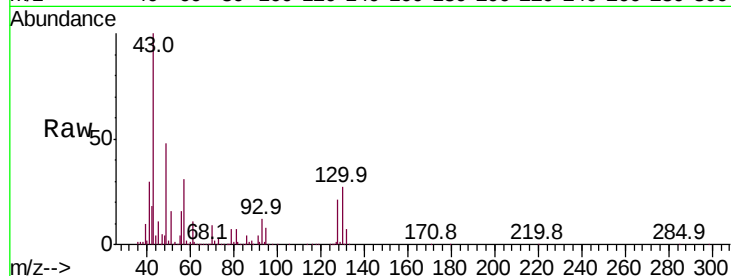


#25
Ethyl Acetate
Concen: 9.458 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2197073

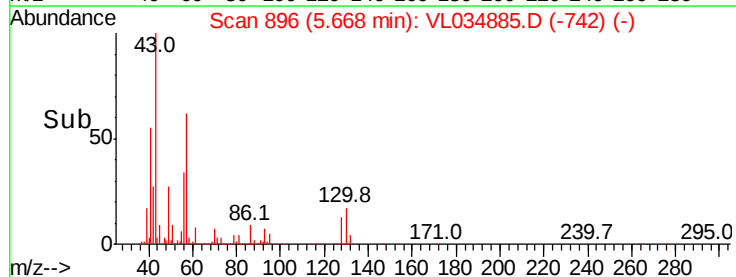
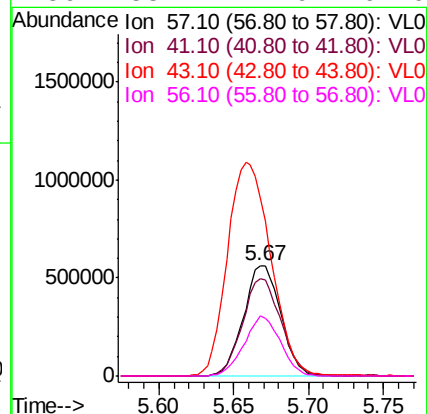
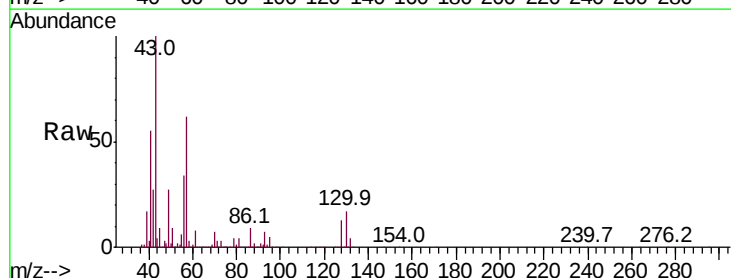
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.4	7.8	11.6
70	7.4	5.8	8.8

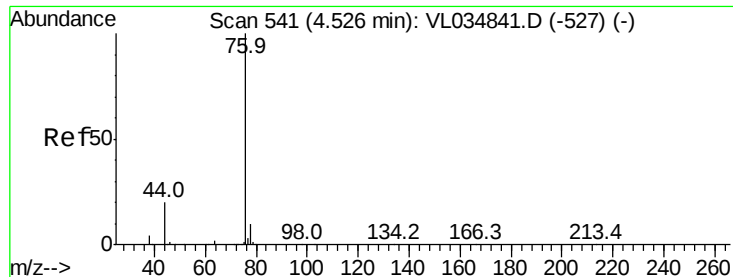


#26
Hexane
Concen: 9.718 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 57 Resp: 972080

Ion	Ratio	Lower	Upper
57	100		
41	91.4	72.6	109.0
43	226.3	183.8	275.6
56	53.4	41.9	62.9





#27

Carbon Disulfide

Concen: 10.319 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

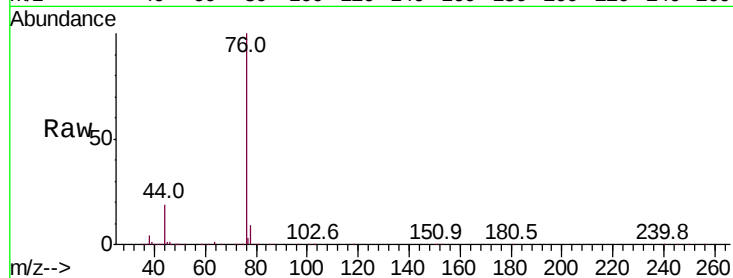
Tot Ion: 76 Resp: 1171272

Ion Ratio Lower Upper

76 100

44 19.6 16.2 24.2

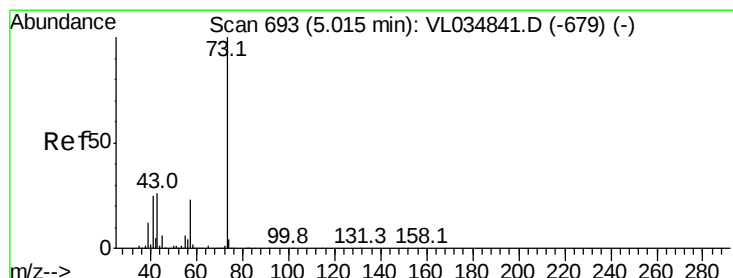
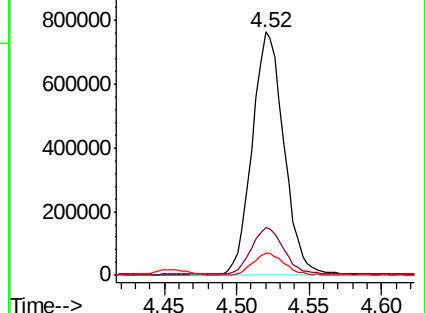
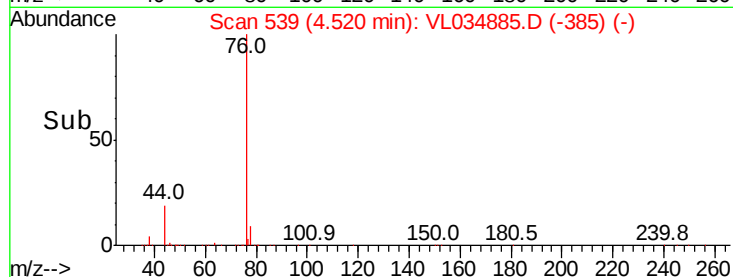
78 9.3 7.8 11.6



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: 9.061 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034885.D

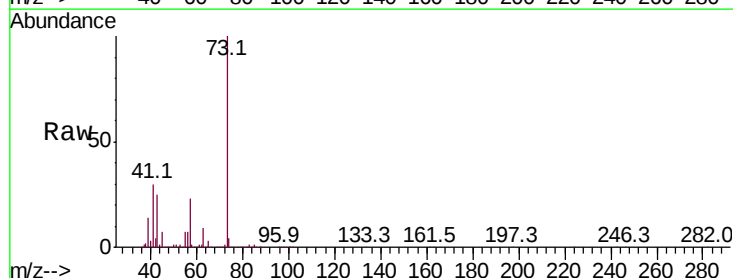
Acq: 16 Mar 2020 10:17

Tgt Ion: 73 Resp: 1507952

Ion Ratio Lower Upper

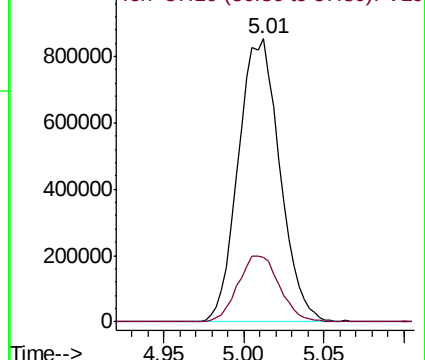
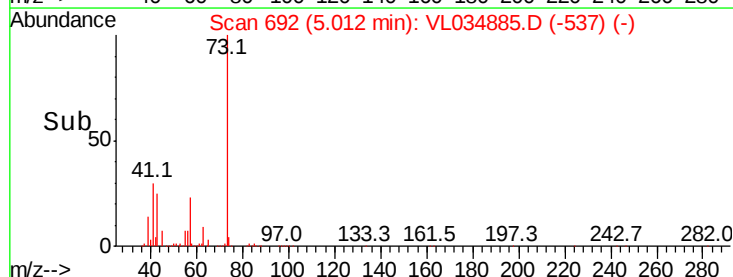
73 100

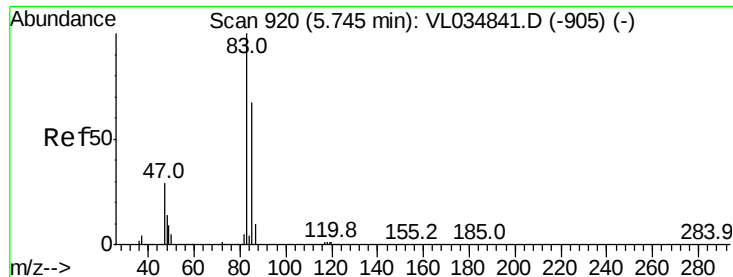
57 23.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

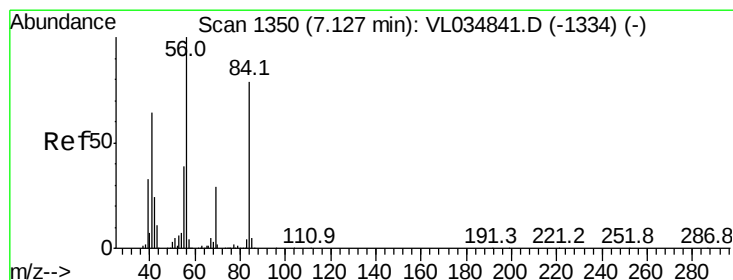
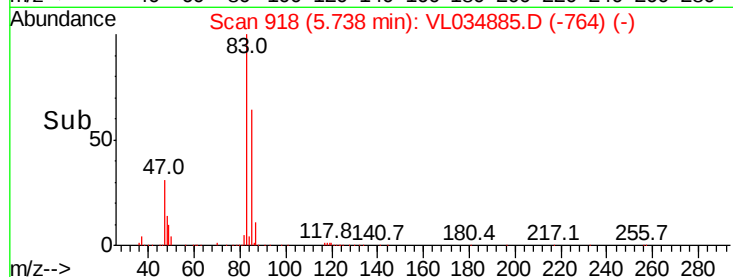
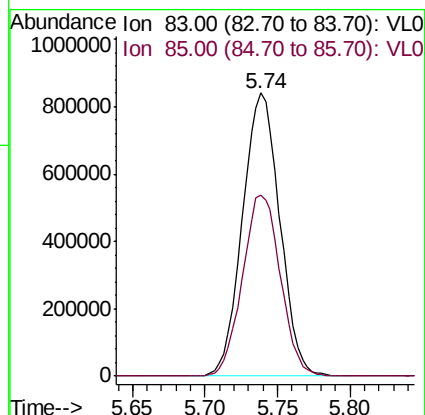
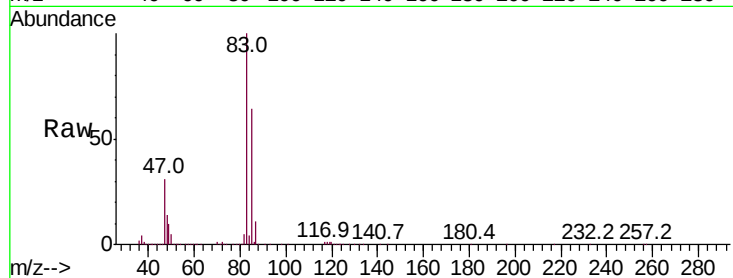




#29
Chloroform
Concen: 9.871 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

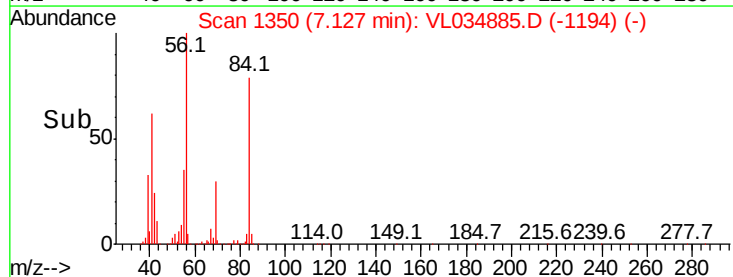
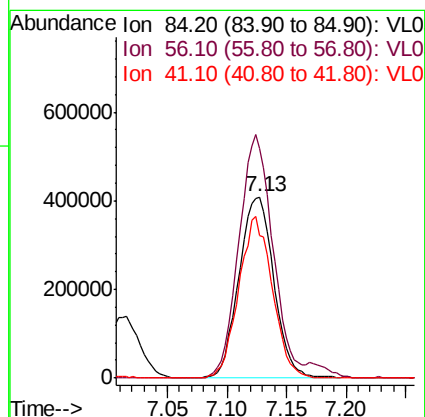
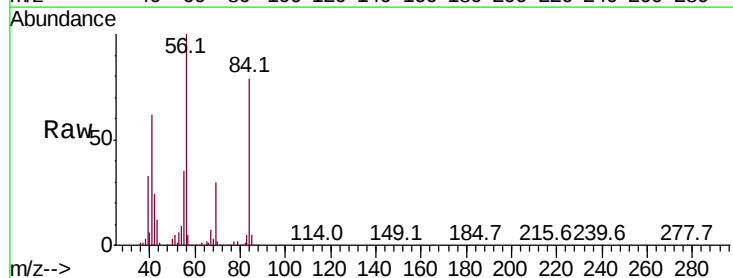
Instrument :
MSVOA_L
ClientSampleId :

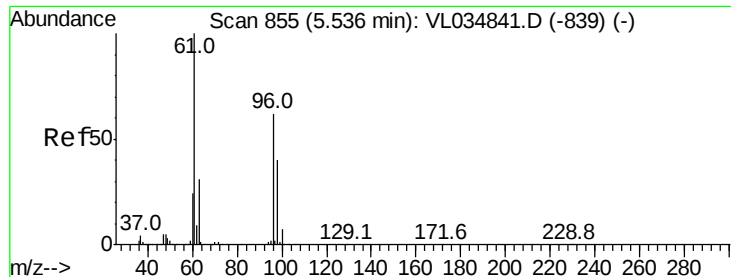
Tot Ion: 83 Resp: 1506583
Ion Ratio Lower Upper
83 100
85 63.7 53.8 80.6



#30
Cyclohexane
Concen: 9.930 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 84 Resp: 828728
Ion Ratio Lower Upper
84 100
56 136.6 110.5 165.7
41 85.8 68.2 102.4



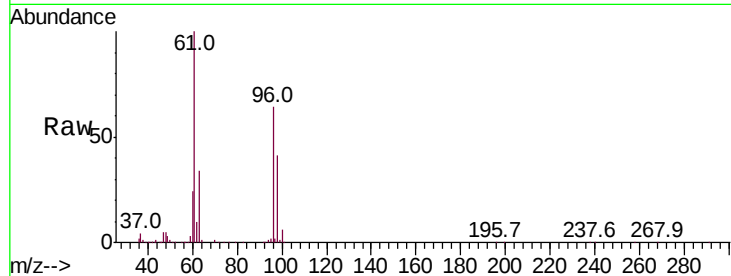


#31

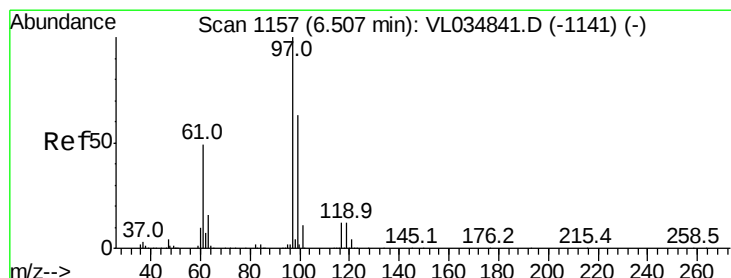
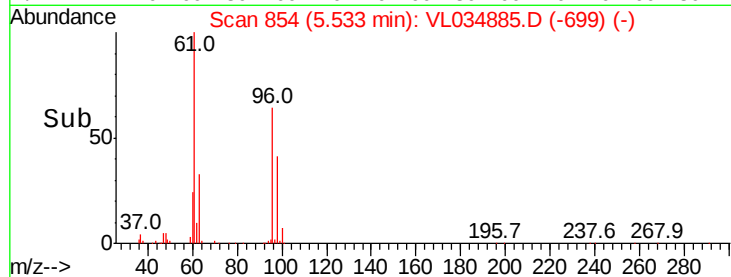
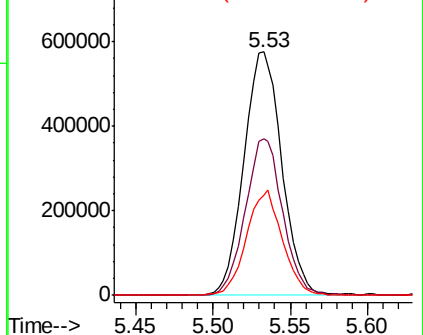
cis-1,2-Dichloroethene
Concen: 9.623 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	49.8	74.8
98	41.1	32.2	48.4



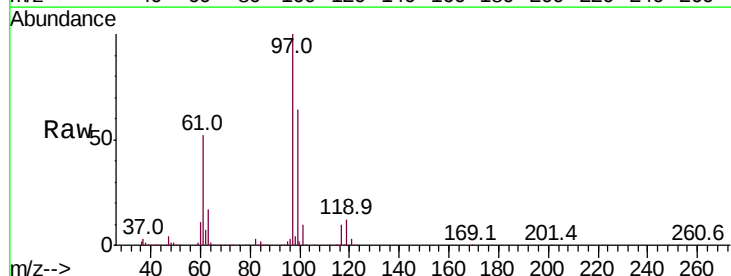
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



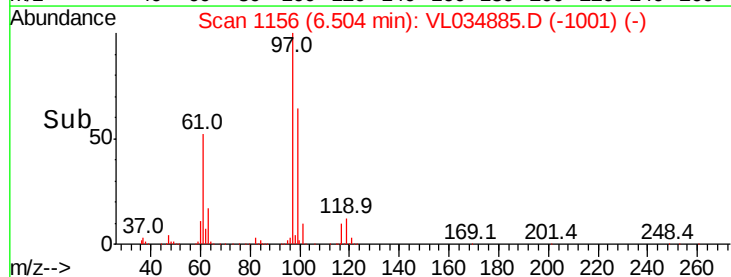
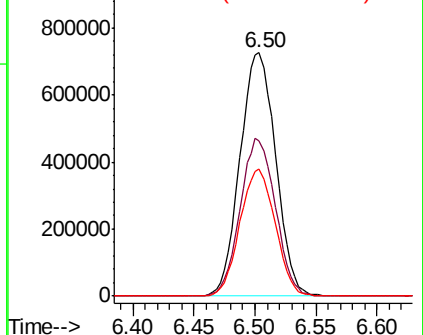
#32

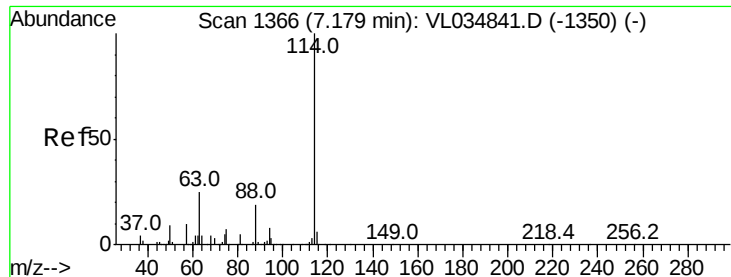
1,1,1-Trichloroethane
Concen: 9.866 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	51.7	39.7	59.5



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

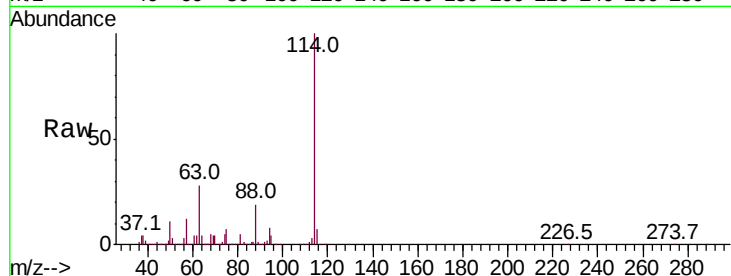




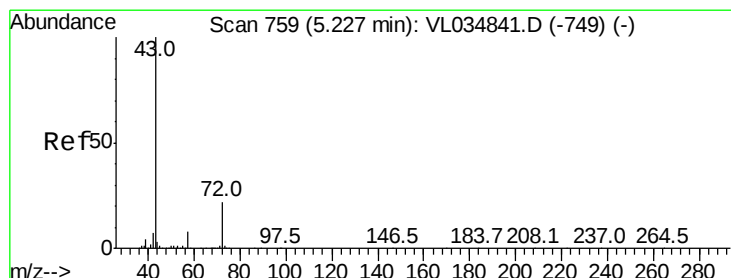
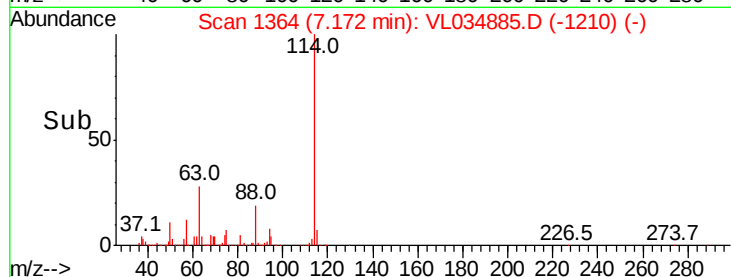
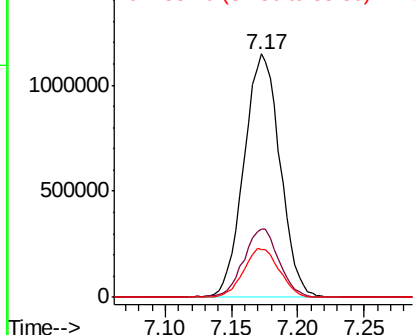
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2175548
 Ion Ratio Lower Upper
 114 100
 63 28.0 20.6 31.0
 88 19.9 15.0 22.6

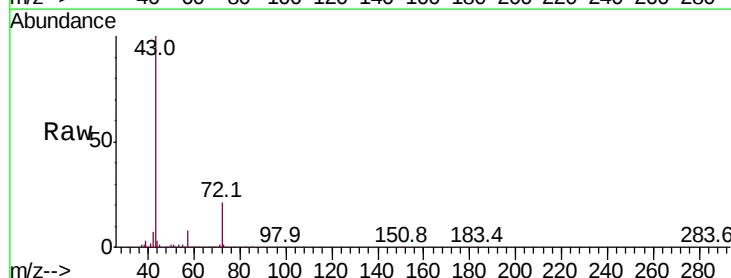


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

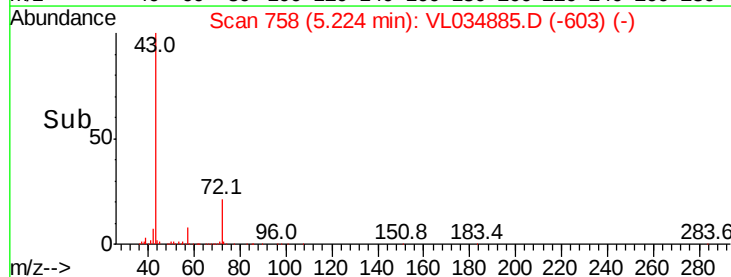
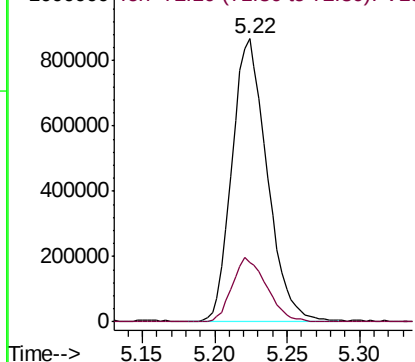


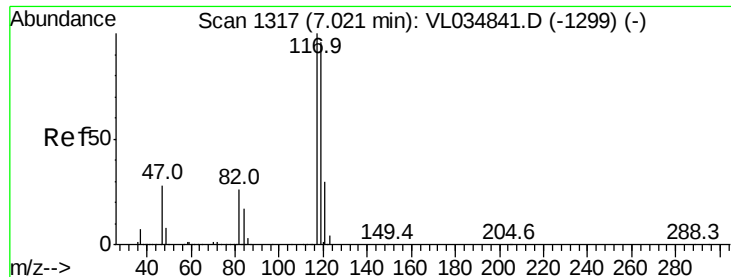
#34
 2-Butanone
 Concen: 10.107 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 43 Resp: 1461276
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 11.129 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

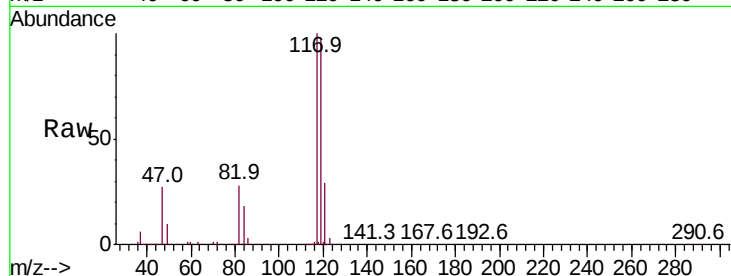
Tot Ion:117 Resp: 1505886

Ion Ratio Lower Upper

117 100

119 96.9 77.0 115.4

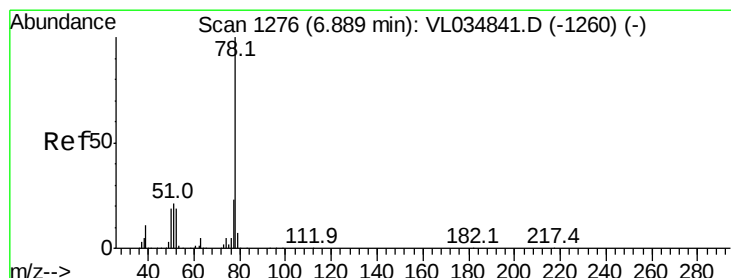
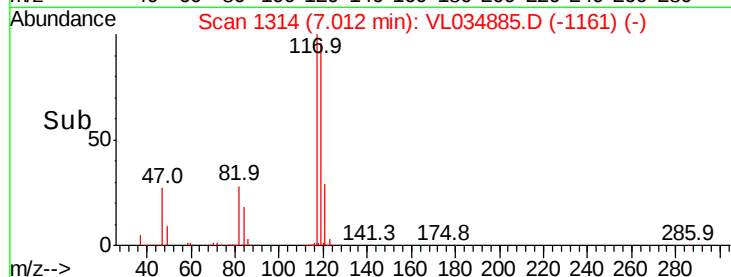
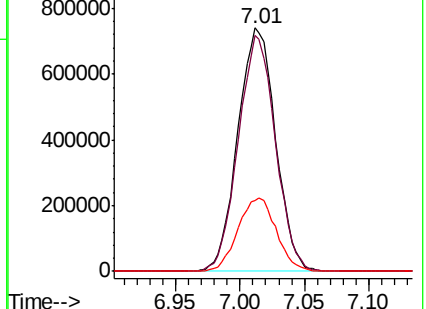
121 28.9 24.0 36.0



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: 10.014 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

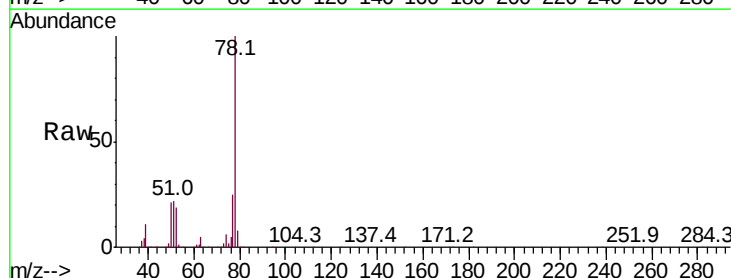
Tgt Ion: 78 Resp: 1941953

Ion Ratio Lower Upper

78 100

77 24.9 18.2 27.2

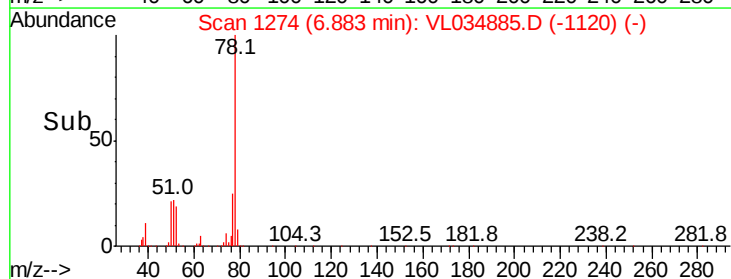
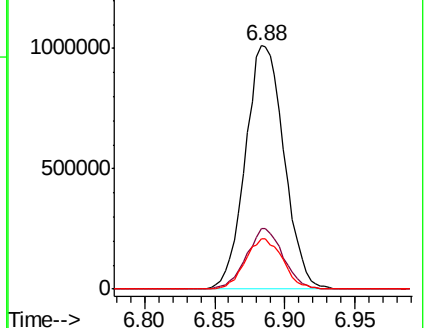
50 20.7 15.2 22.8

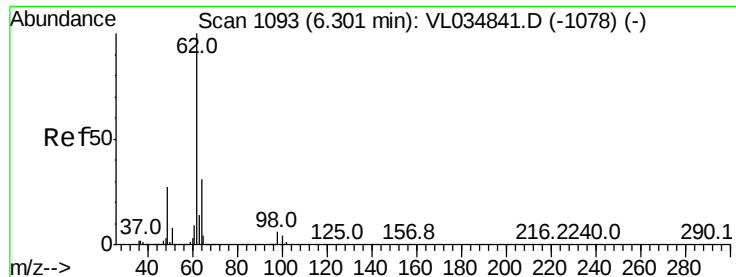


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.770 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

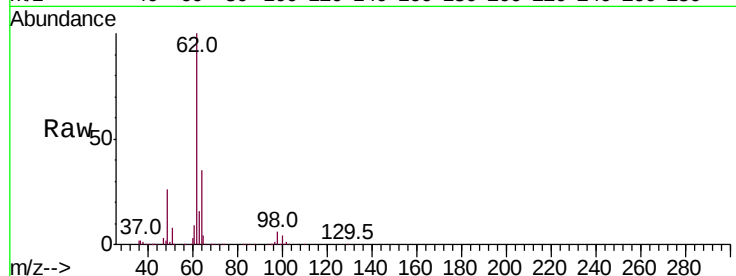
ClientSampleId :

Tot Ion: 62 Resp: 1177640

Ion Ratio Lower Upper

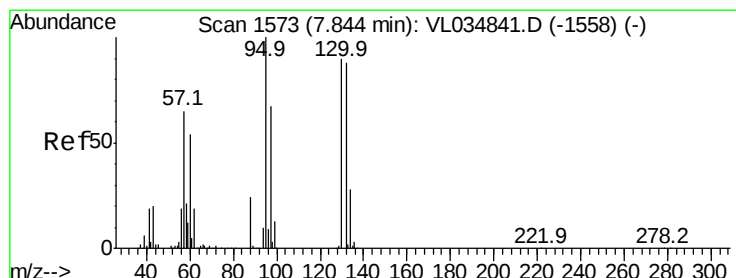
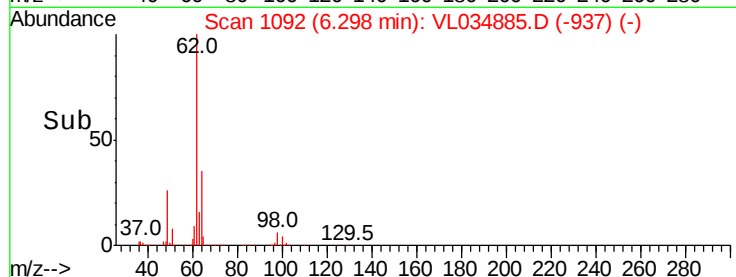
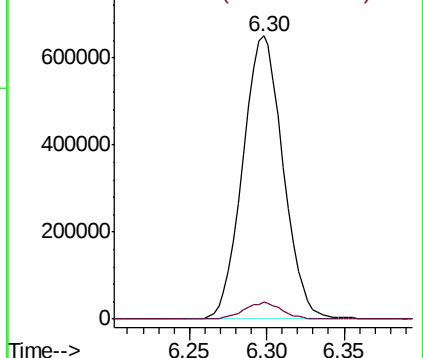
62 100

98 5.8 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.910 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:130 Resp: 729861

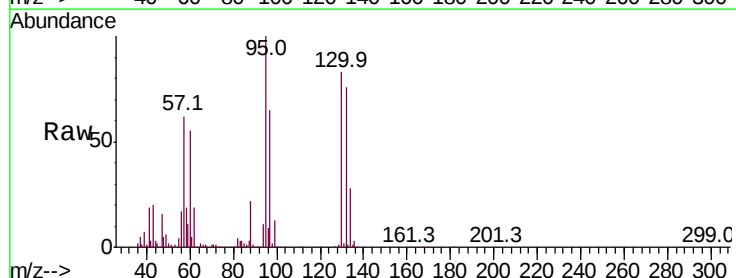
Ion Ratio Lower Upper

130 100

95 120.9 88.5 132.7

132 91.4 78.0 117.0

97 78.9 59.3 88.9

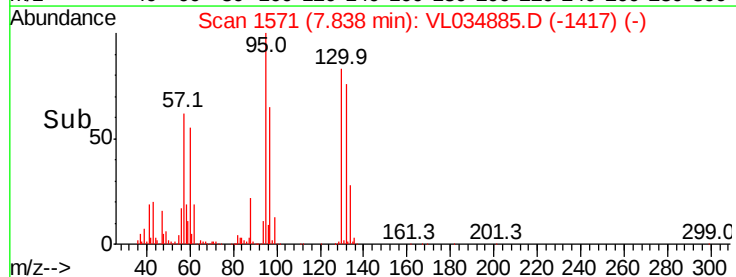
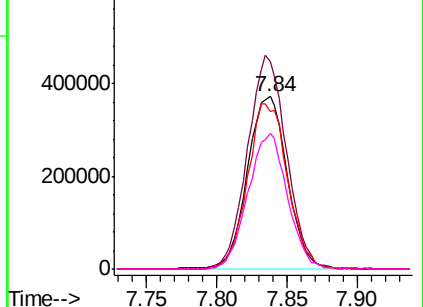


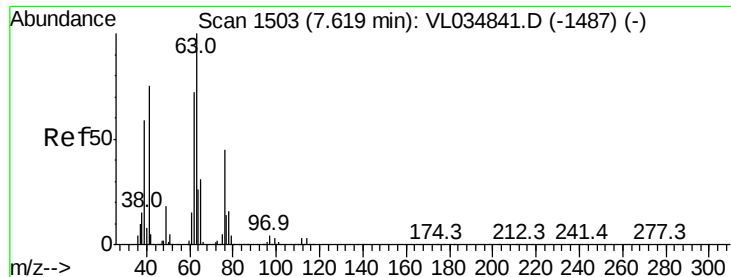
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

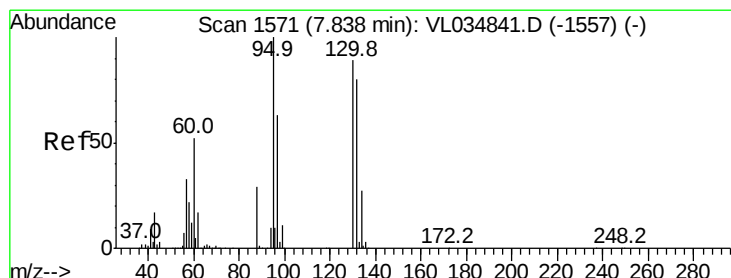
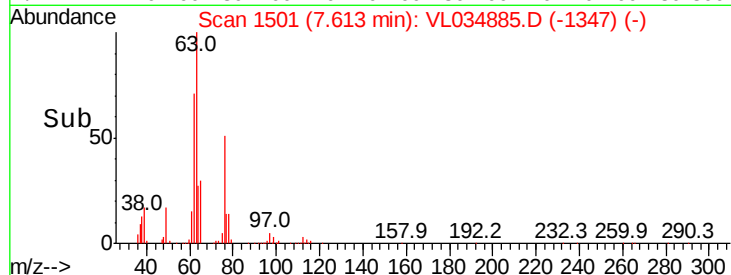
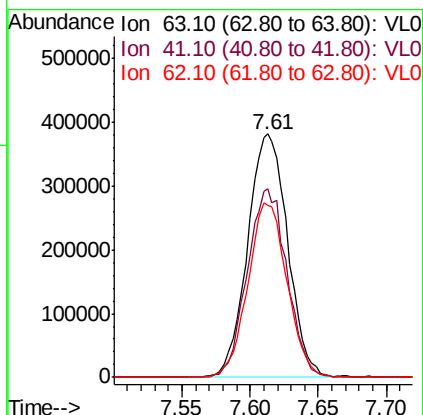
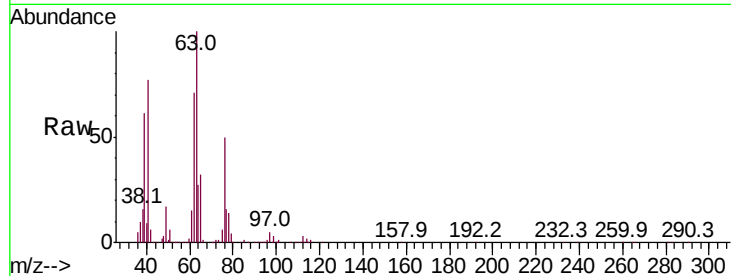




#39
 1,2-Dichloropropane
 Concen: 10.087 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

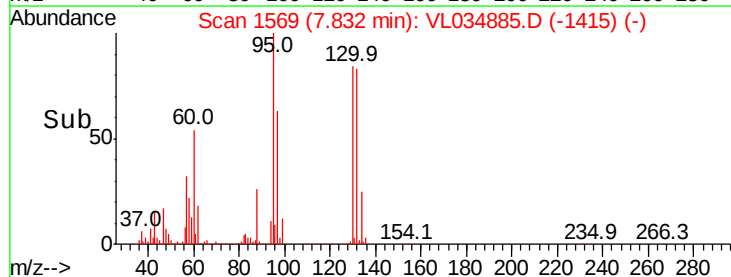
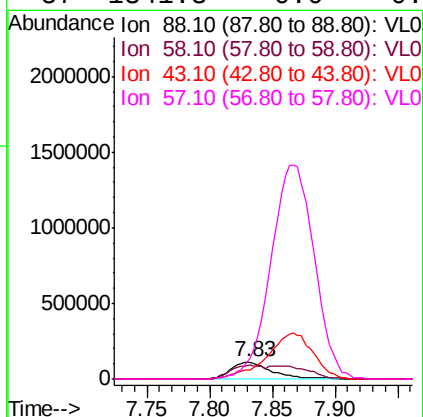
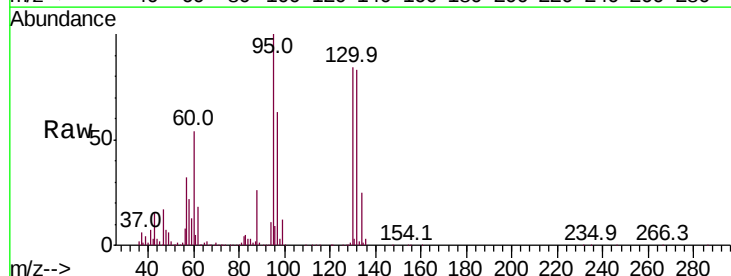
Instrument :
 MSVOA_L
 ClientSampled :

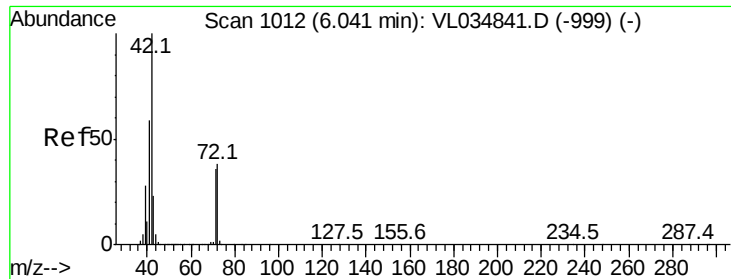
Tot Ion	Ratio	Lower	Upper
63	100		
41	77.1	59.8	89.8
62	70.6	57.6	86.4



#40
 1,4-Dioxane
 Concen: 8.782 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	140.9	103.9	155.9
43	307.2	0.0	0.0#
57	1341.3	0.0	0.0#

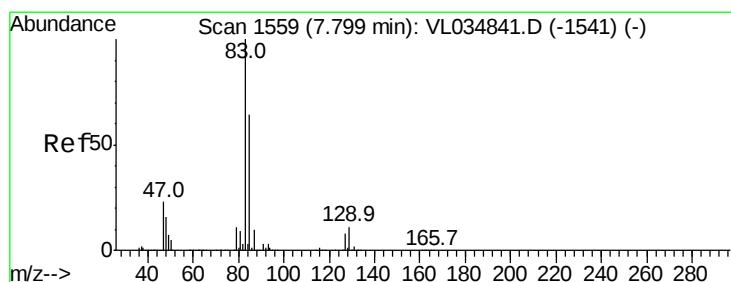
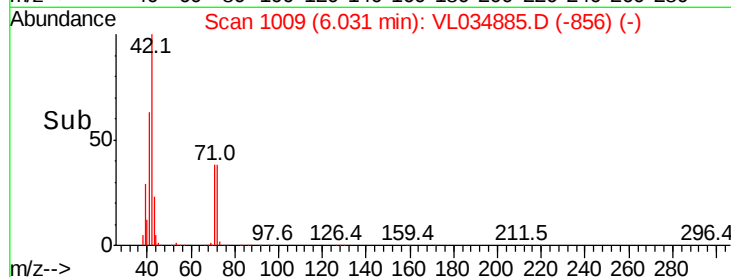
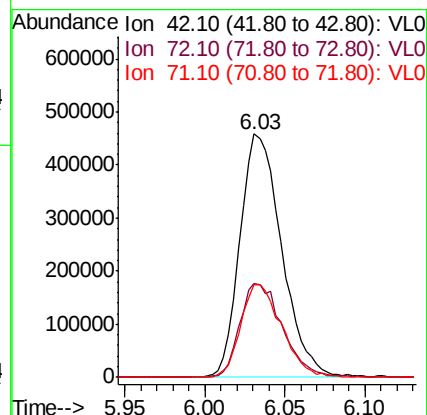
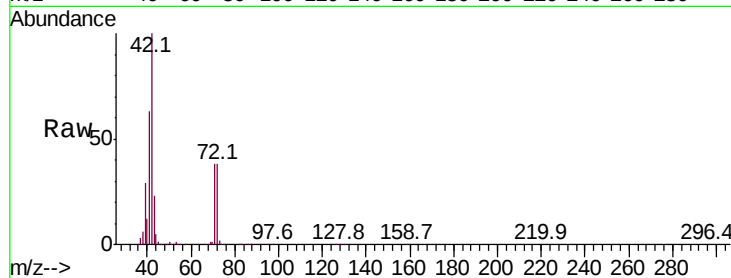




#41
Tetrahydrofuran
Concen: 10.396 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

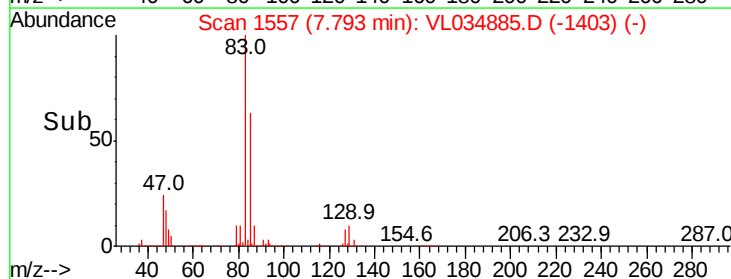
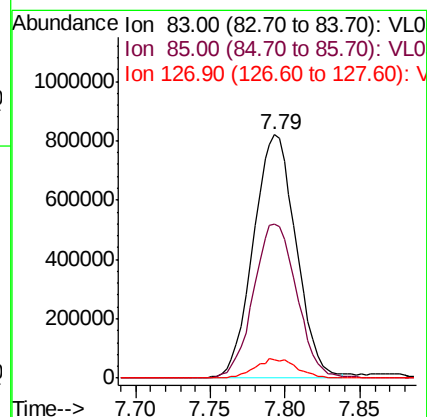
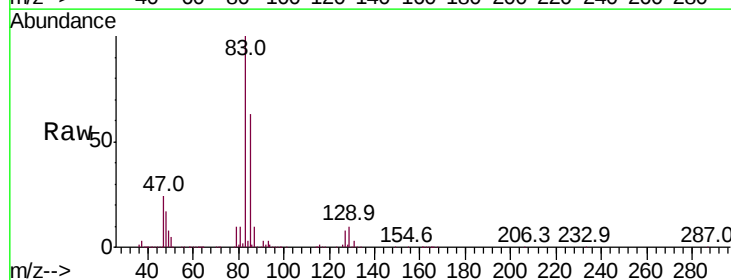
Instrument :
MSVOA_L
ClientSampleId :

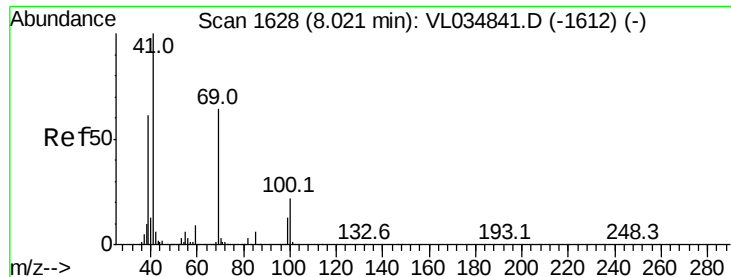
Tot Ion: 42 Resp: 813302
Ion Ratio Lower Upper
42 100
72 39.6 30.8 46.2
71 37.9 30.1 45.1



#42
Bromodichloromethane
Concen: 10.910 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 83 Resp: 1625896
Ion Ratio Lower Upper
83 100
85 63.4 51.4 77.2
127 7.7 6.2 9.4

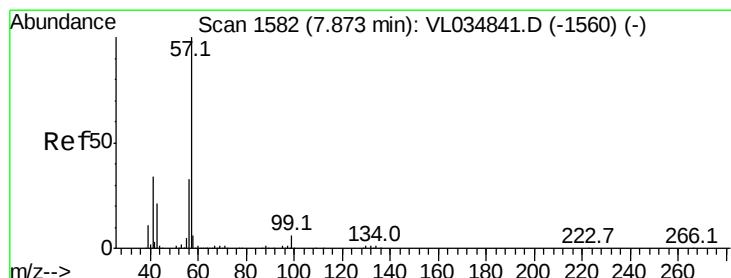
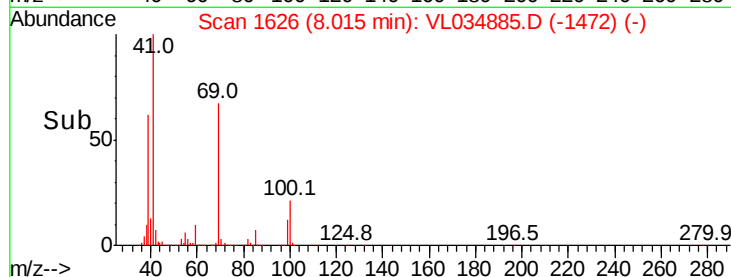
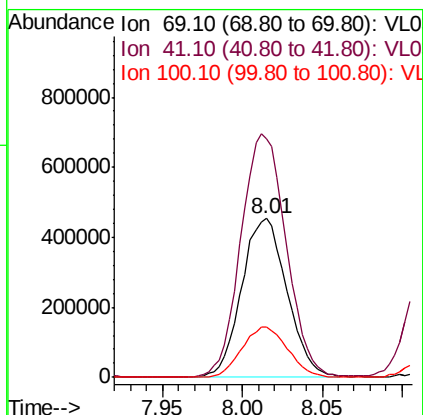
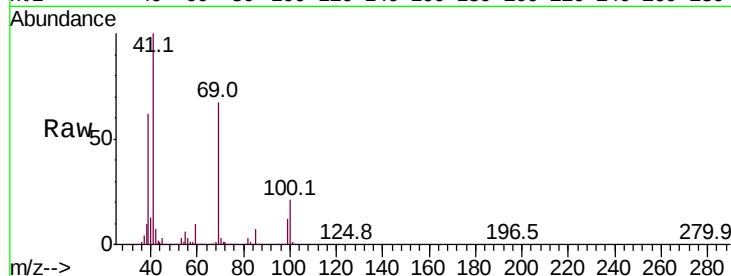




#43
Methvl Methacrvlate
Concen: 10.753 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

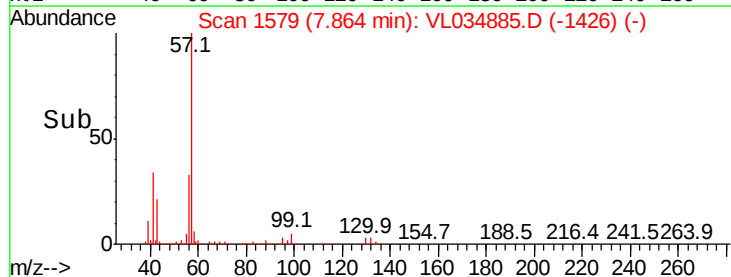
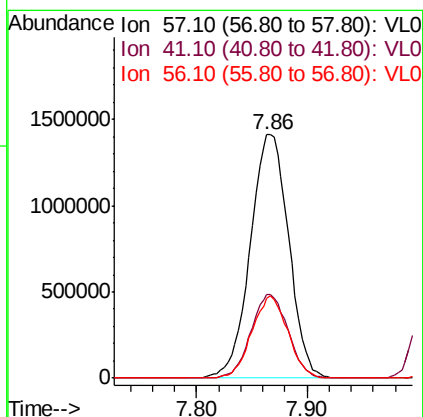
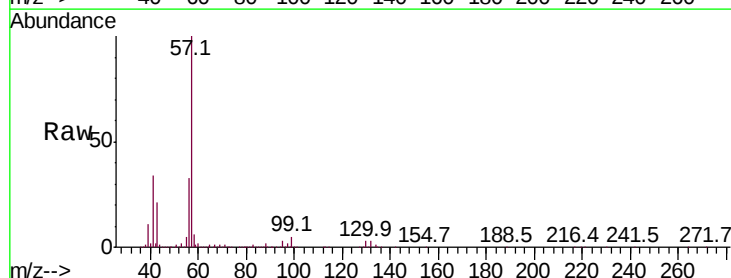
Instrument :
MSVOA_L
ClientSampleId :

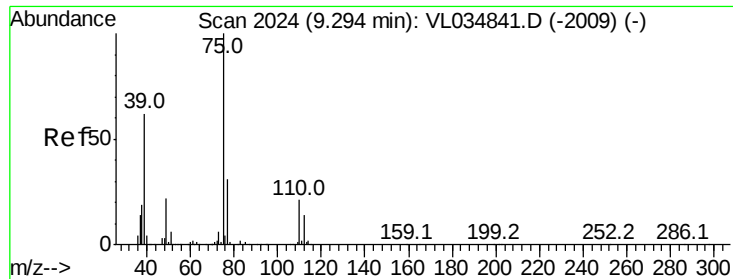
Tot Ion: 69 Resp: 878475
Ion Ratio Lower Upper
69 100
41 153.1 123.2 184.8
100 32.2 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 10.412 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 57 Resp: 3411843
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.7 25.0 37.4

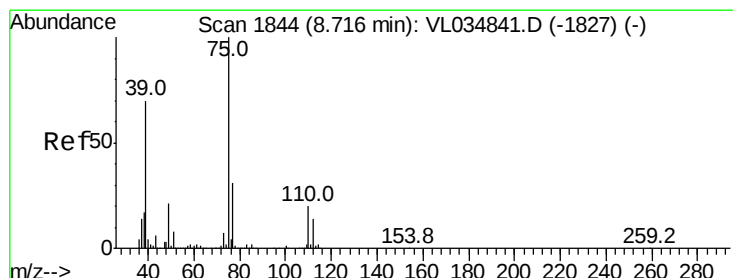
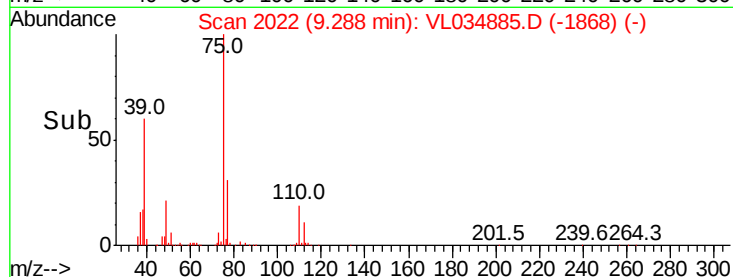
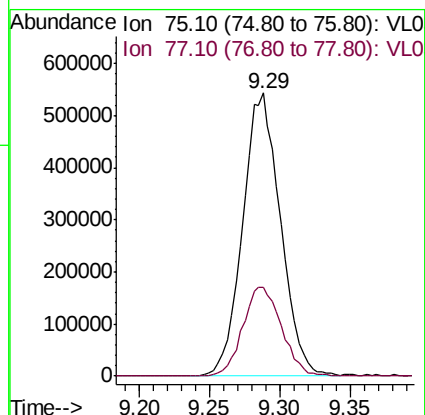
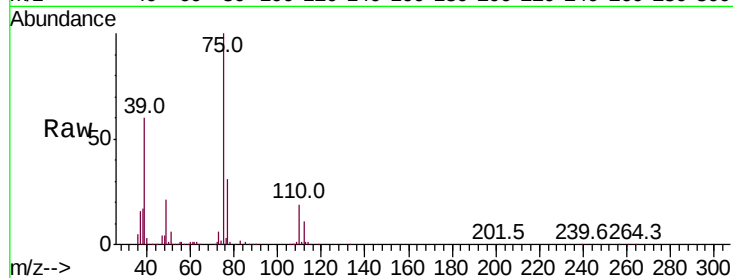




#45
 t-1,3-Dichloropropene
 Concen: 10.631 ppbv
 RT: 9.29 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

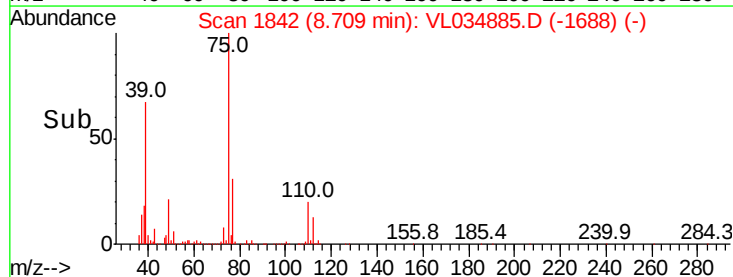
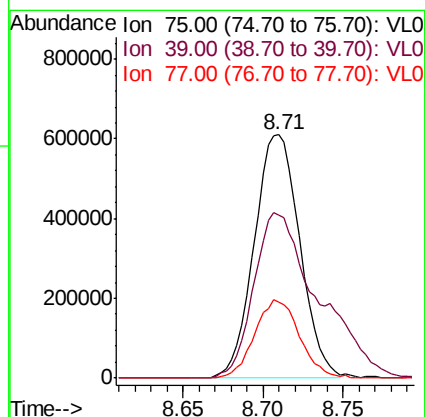
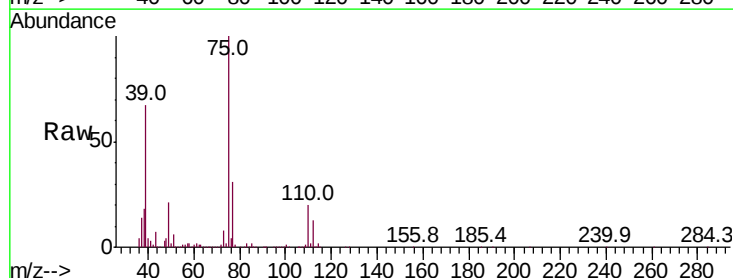
Instrument :
 MSVOA_L
 ClientSampleId :

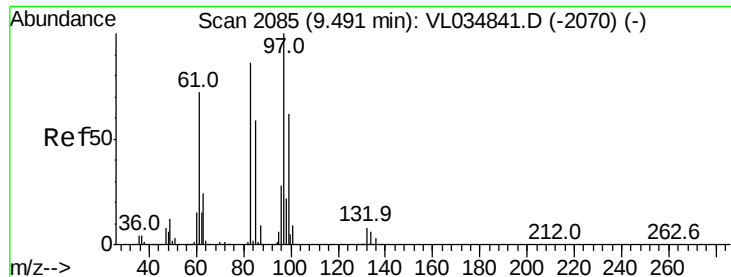
Tot Ion: 75 Resp: 1020423
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.482 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 75 Resp: 1195538
 Ion Ratio Lower Upper
 75 100
 39 67.2 55.7 83.5
 77 31.1 24.7 37.1

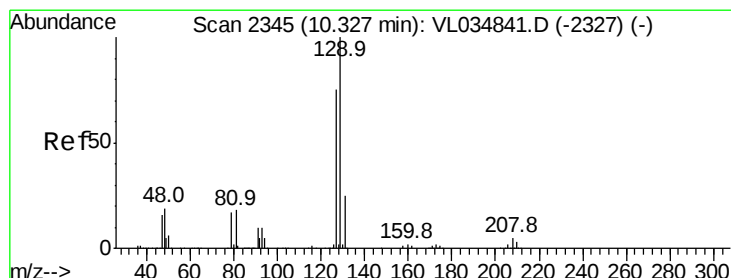
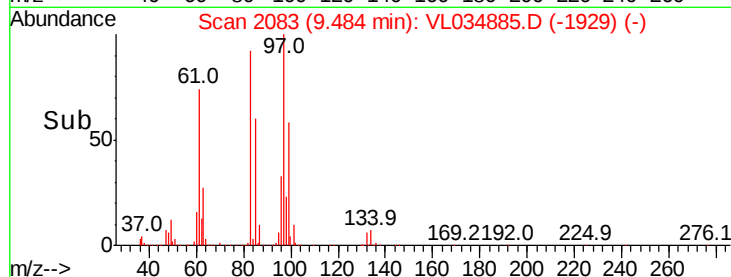
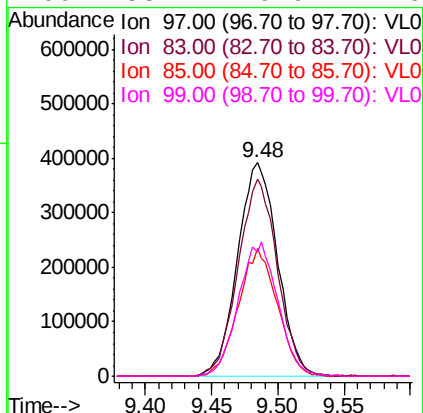
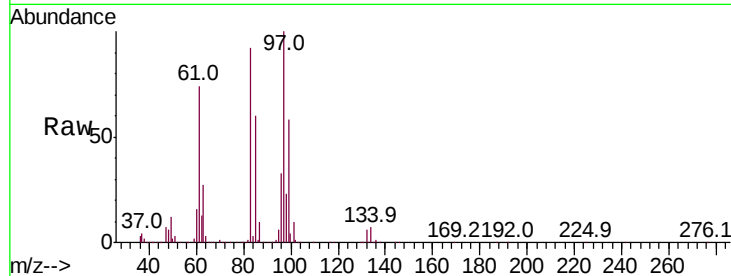




#47
 1,1,2-Trichloroethane
 Concen: 10.406 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

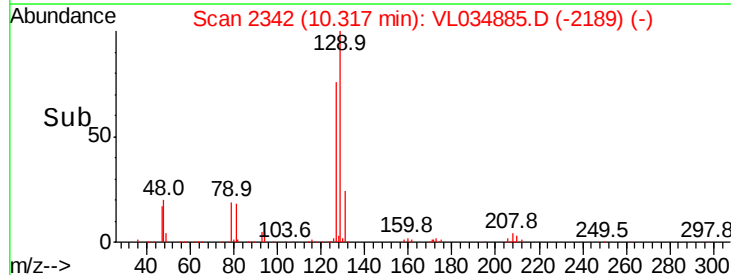
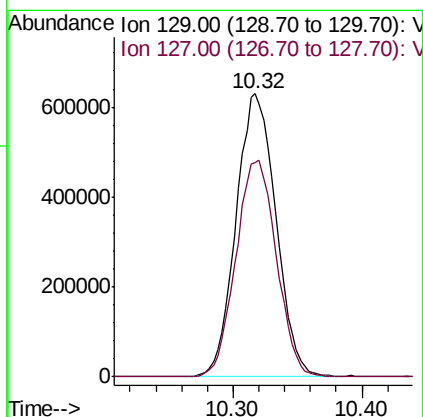
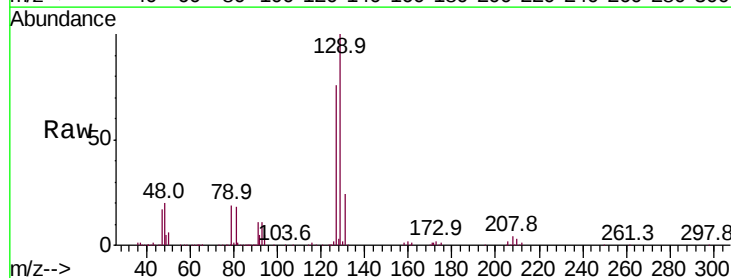
Instrument :
 MSVOA_L
 ClientSampleId :

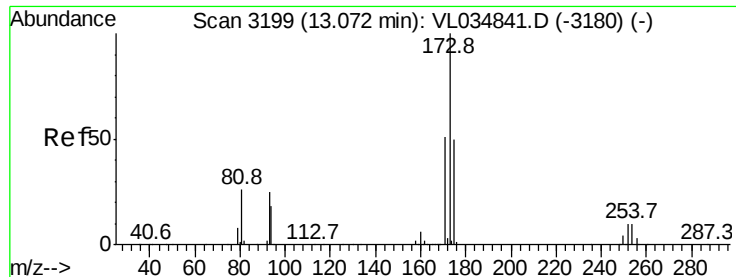
Tot Ion	97	Resp	820456
Ion Ratio	Lower	Upper	
97	100		
83	92.4	68.6	102.8
85	59.7	46.9	70.3
99	58.4	49.9	74.9



#48
 Dibromochloromethane
 Concen: 10.636 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion	129	Resp	1358151
Ion Ratio	Lower	Upper	
129	100		
127	77.6	39.6	118.7





#49

Bromoform

Concen: 10.558 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

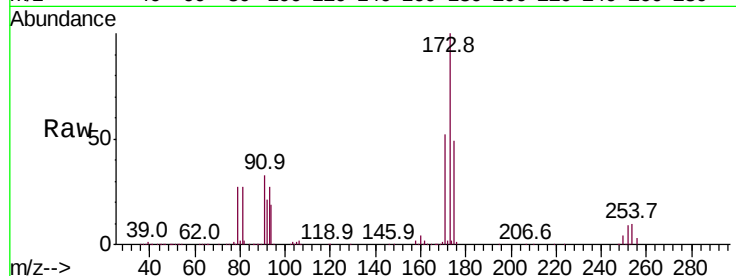
Tot Ion:173 Resp: 1202012

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

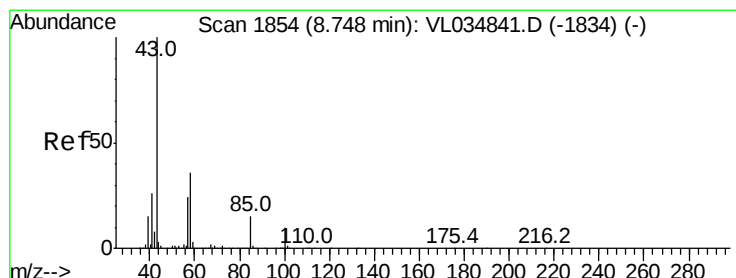
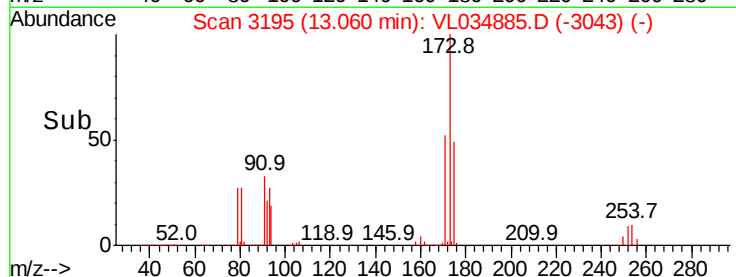
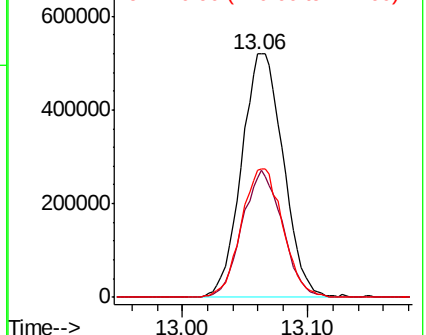
171 52.8 41.0 61.6



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: 10.676 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL034885.D

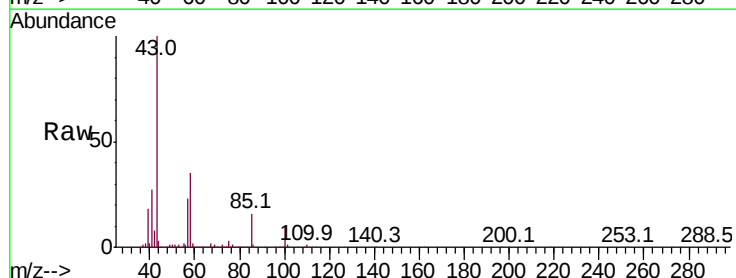
Acq: 16 Mar 2020 10:17

Tgt Ion: 43 Resp: 2221821

Ion Ratio Lower Upper

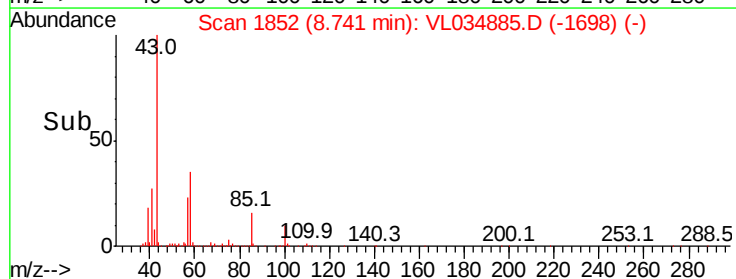
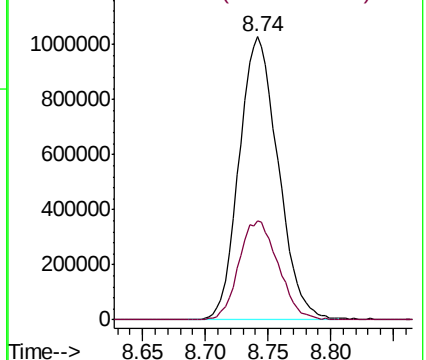
43 100

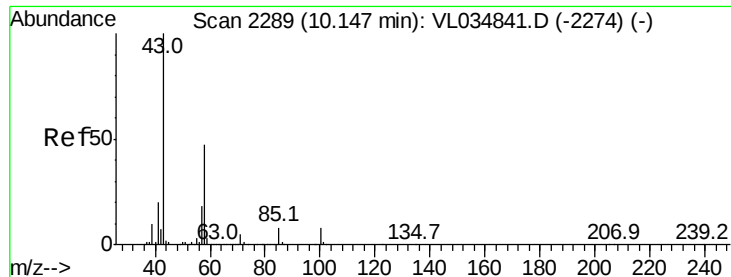
58 35.6 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

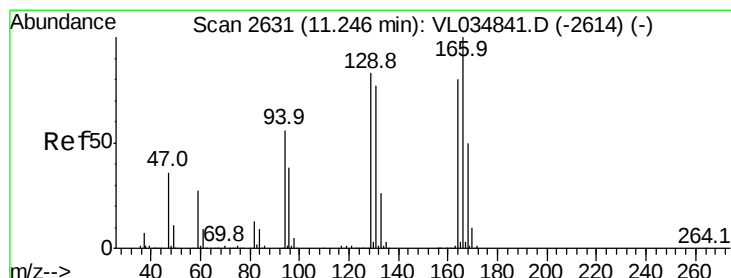
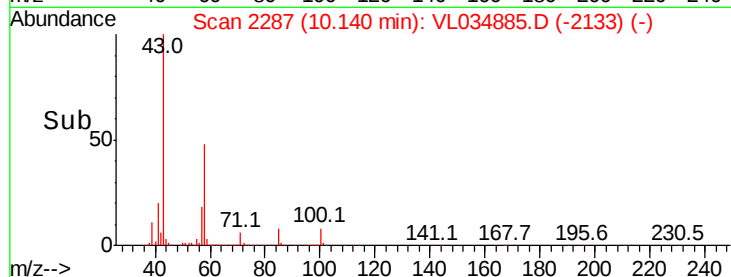
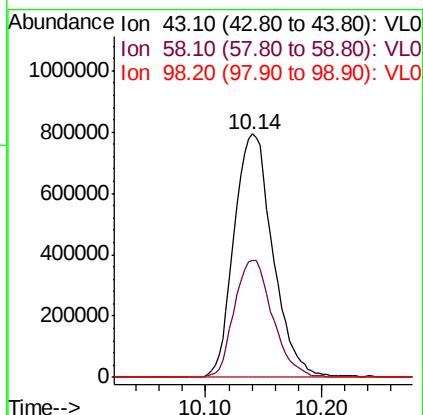
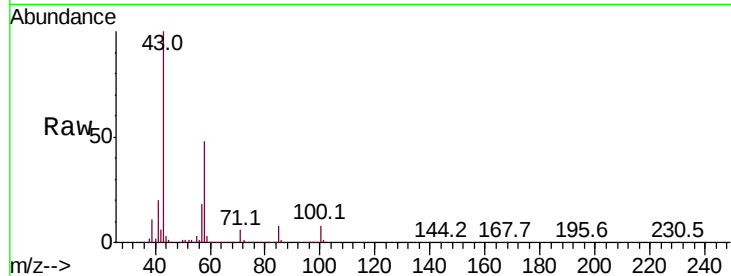




#51
2-Hexanone
Concen: 10.878 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

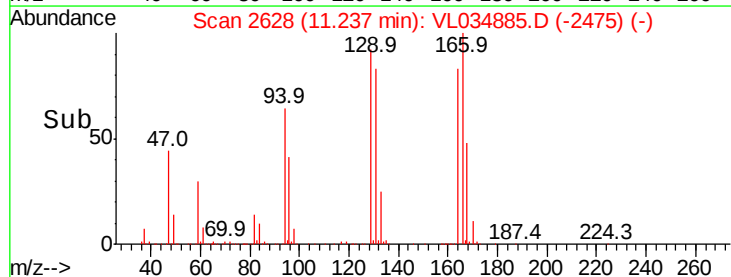
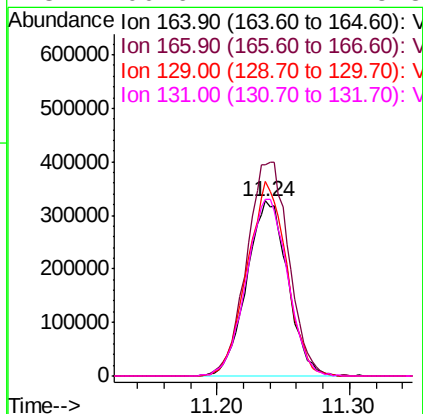
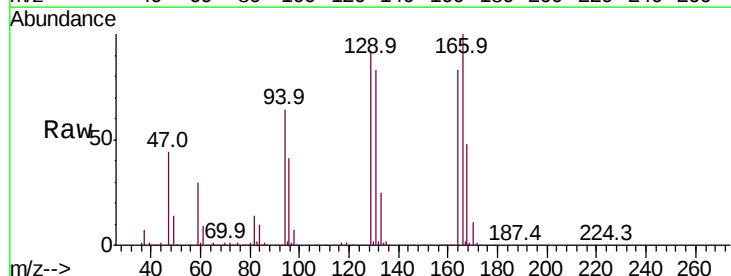
Instrument :
MSVOA_L
ClientSampled :

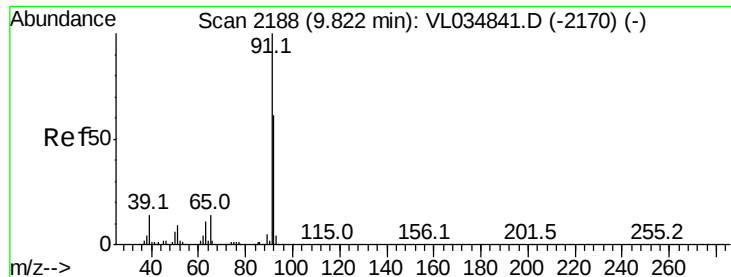
Tot Ion: 43 Resp: 1839820
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.165 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:164 Resp: 703141
Ion Ratio Lower Upper
164 100
166 121.1 100.0 150.0
129 111.2 83.1 124.7
131 100.6 77.2 115.8





#53

Toluene

Concen: 10.263 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

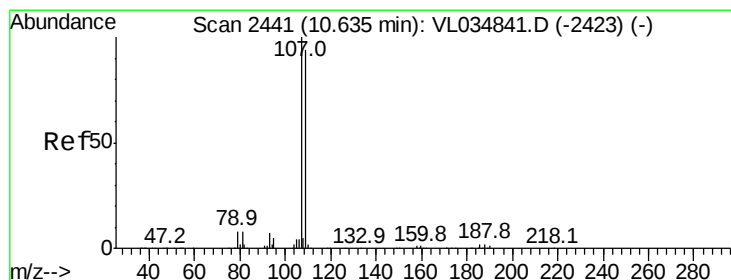
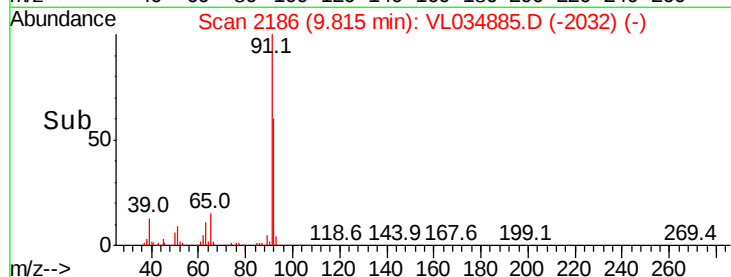
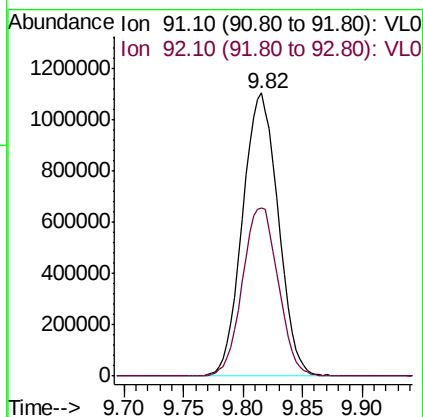
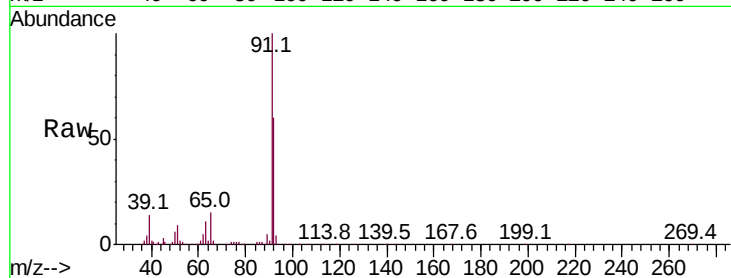
ClientSampleId :

Tot Ion: 91 Resp: 2298300

Ion Ratio Lower Upper

91 100

92 59.8 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.469 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034885.D

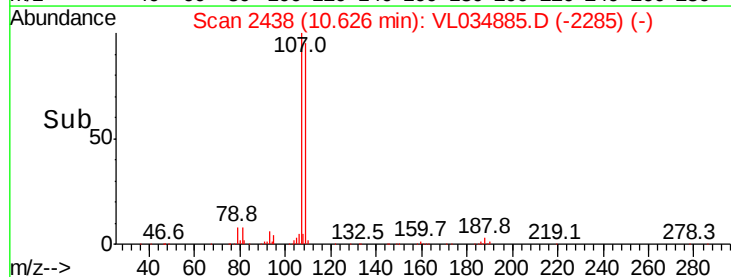
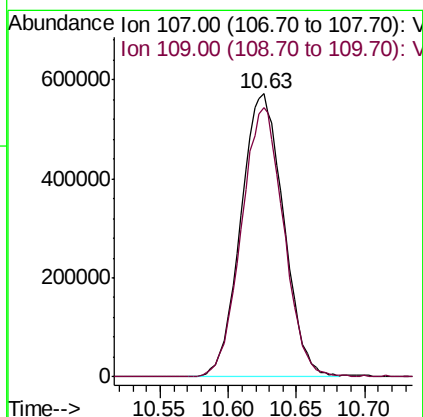
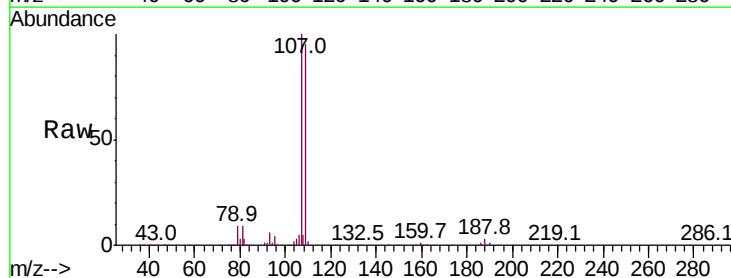
Acq: 16 Mar 2020 10:17

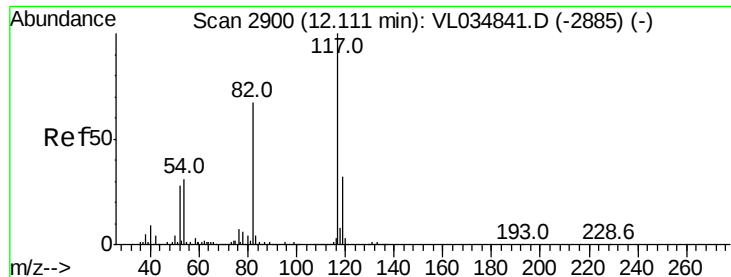
Tgt Ion: 107 Resp: 1242543

Ion Ratio Lower Upper

107 100

109 95.1 74.9 112.3

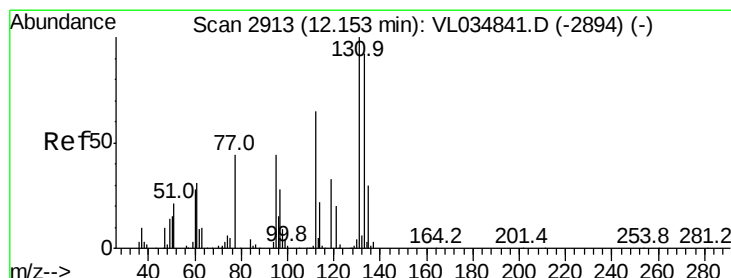
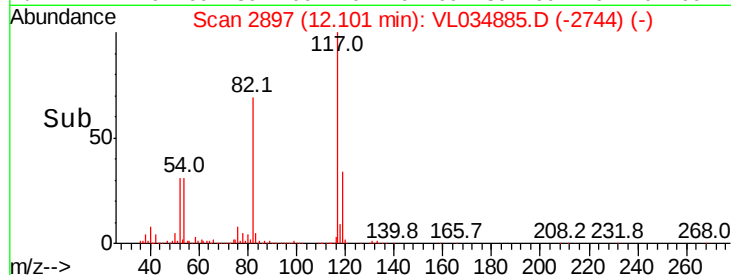
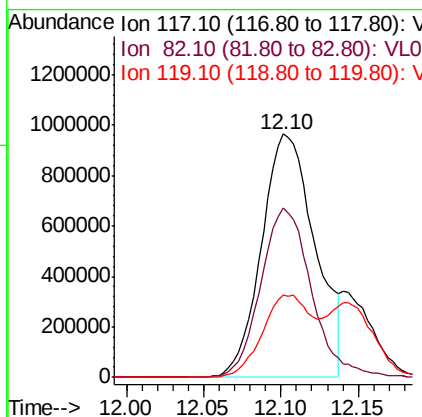
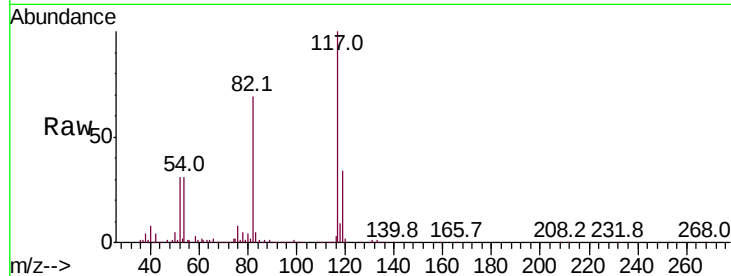




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

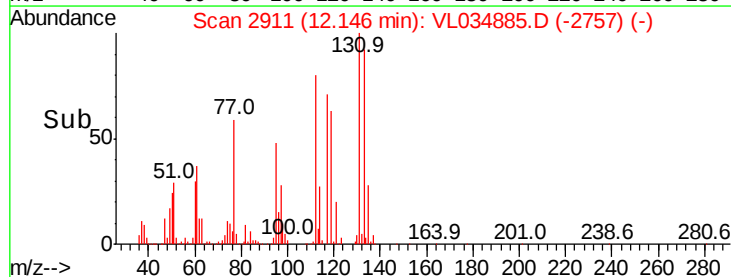
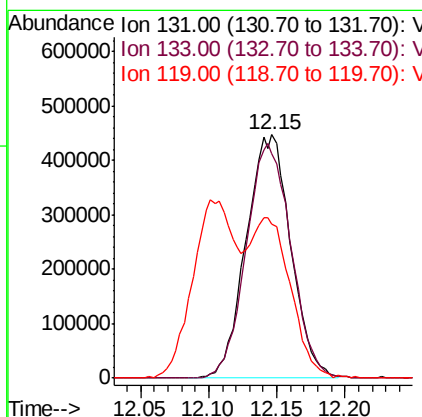
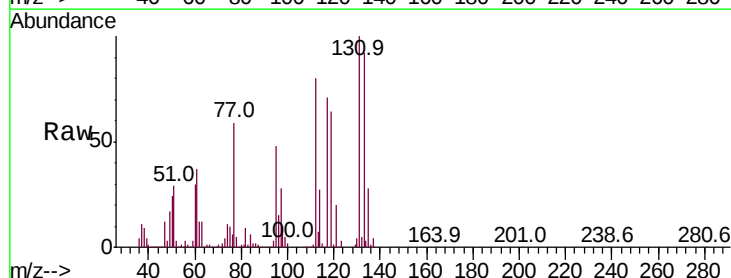
Instrument :
MSVOA_L
ClientSampleId :

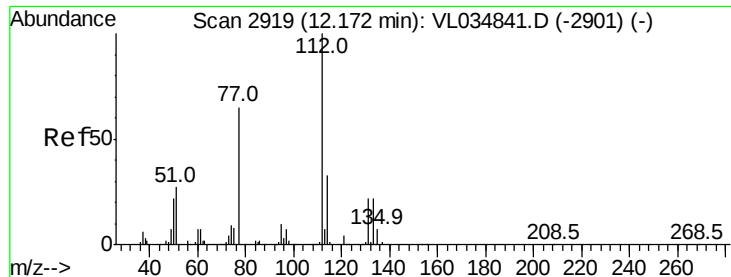
Tot Ion:117 Resp: 2325428
Ion Ratio Lower Upper
117 100
82 66.3 51.1 76.7
119 29.1 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.724 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:131 Resp: 1015715
Ion Ratio Lower Upper
131 100
133 96.9 76.0 114.0
119 57.8 47.8 71.8

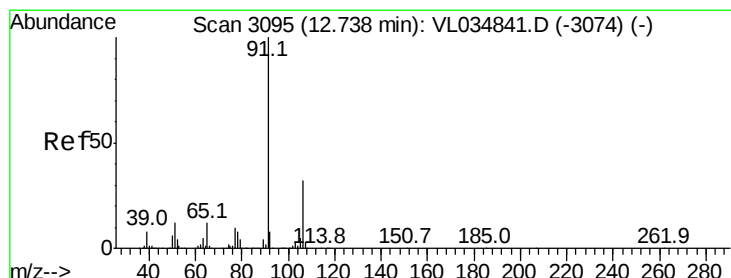
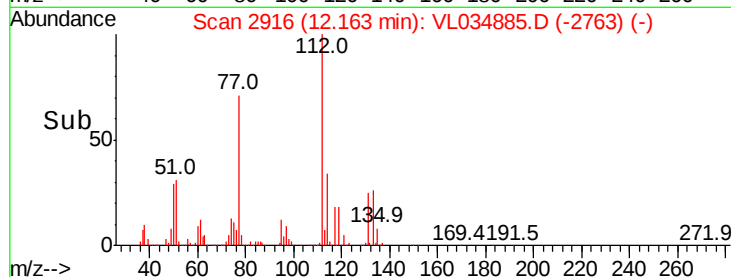
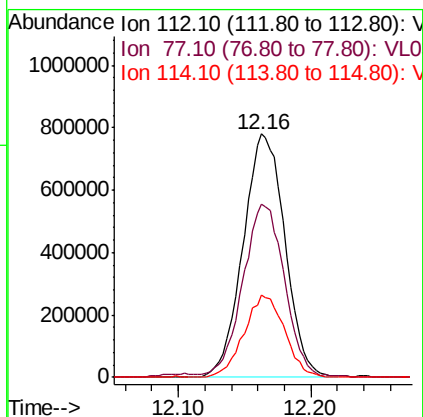
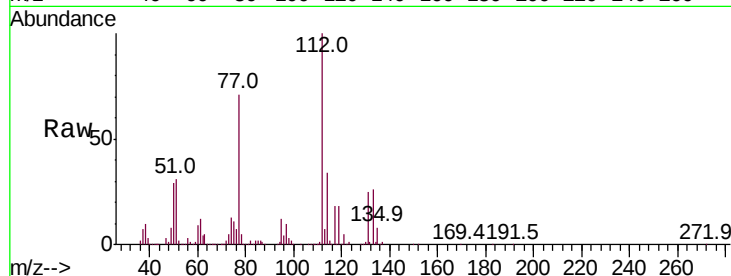




#57
Chlorobenzene
Concen: 9.392 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

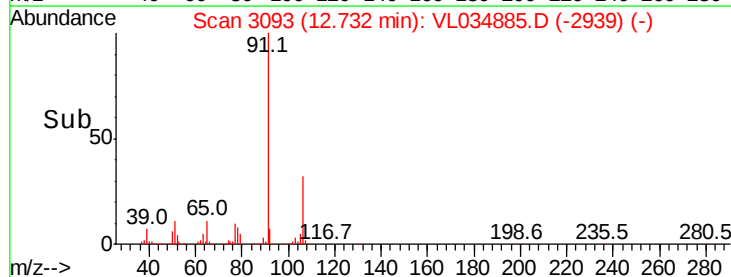
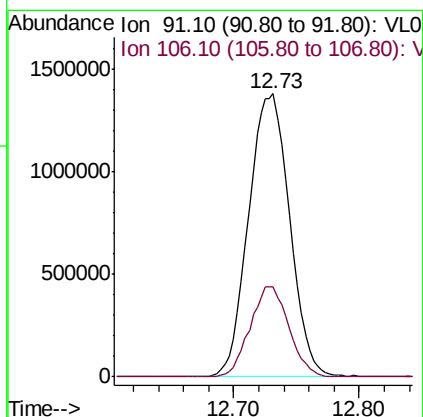
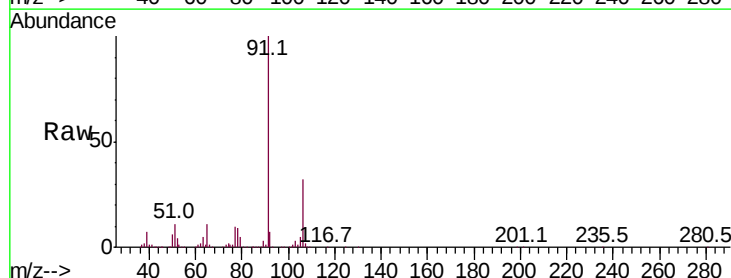
Instrument :
MSVOA_L
ClientSampleId :

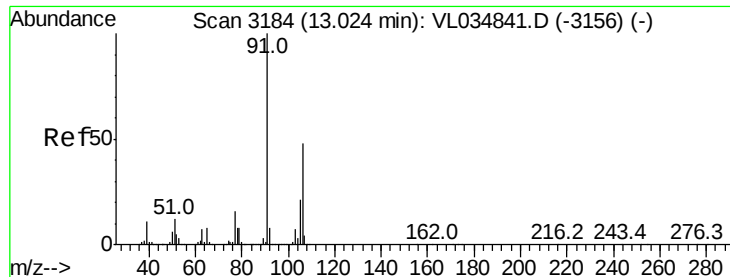
Tot Ion:112 Resp: 1708825
Ion Ratio Lower Upper
112 100
77 70.7 53.0 79.6
114 33.9 29.5 36.1



#58
Ethyl Benzene
Concen: 10.007 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 3151315
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.6

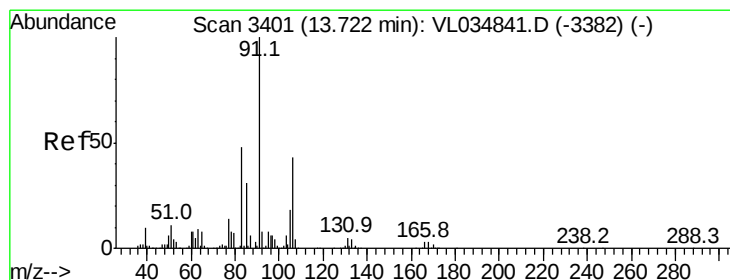
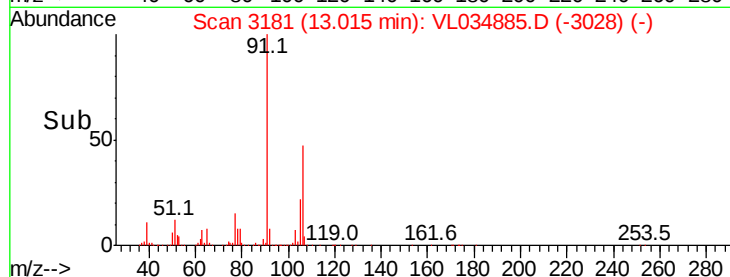
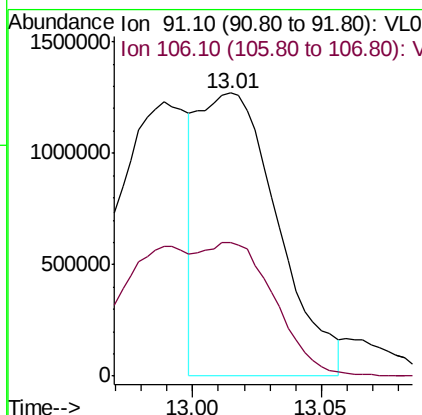
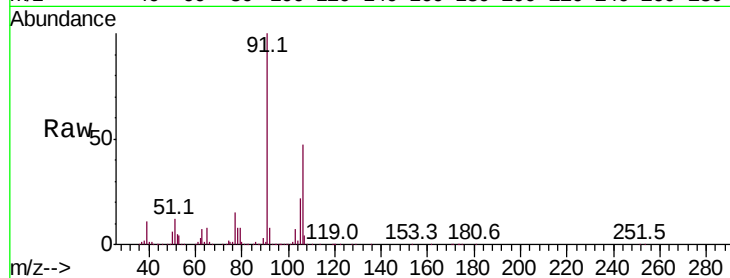




#59
m/p-Xylene
Concen: 10.262 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

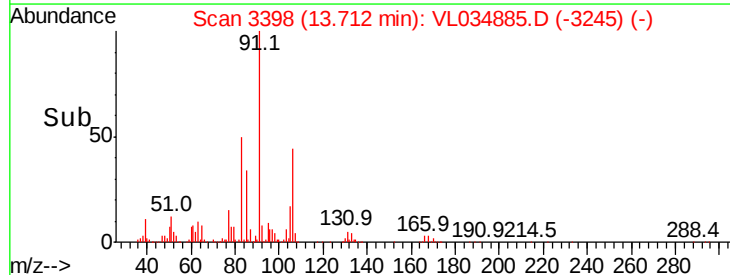
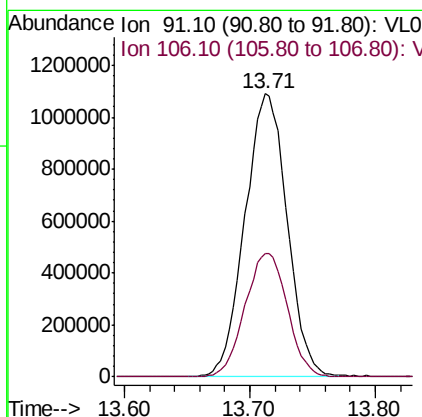
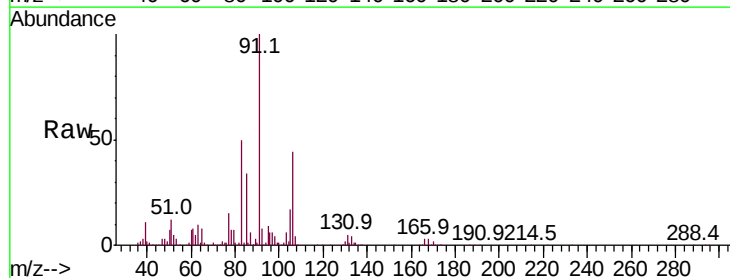
Instrument :
MSVOA_L
ClientSampleId :

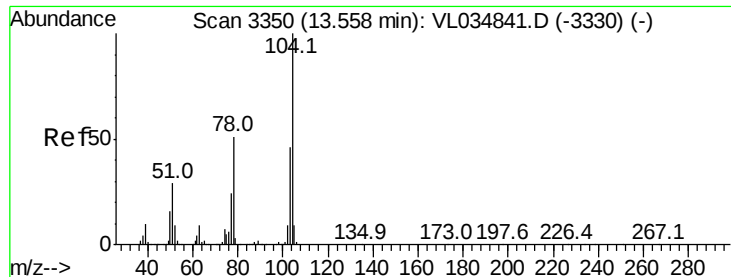
Tot Ion: 91 Resp: 2707472
Ion Ratio Lower Upper
91 100
106 86.7 37.1 55.7#



#60
o-Xylene
Concen: 9.885 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 2546249
Ion Ratio Lower Upper
91 100
106 44.1 22.5 67.5





#61

Stvrene

Concen: 10.292 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

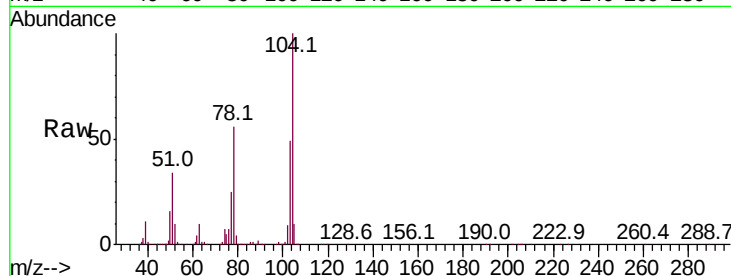
Tot Ion:104 Resp: 1860544

Ion Ratio Lower Upper

104 100

78 54.5 41.8 62.6

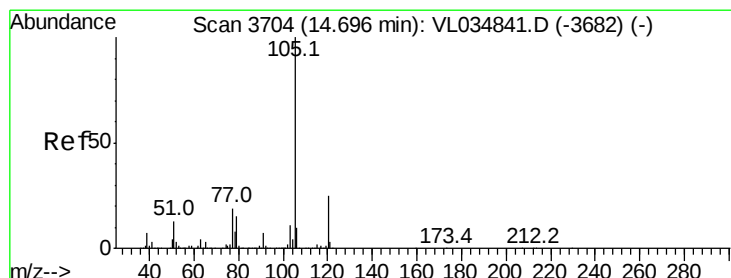
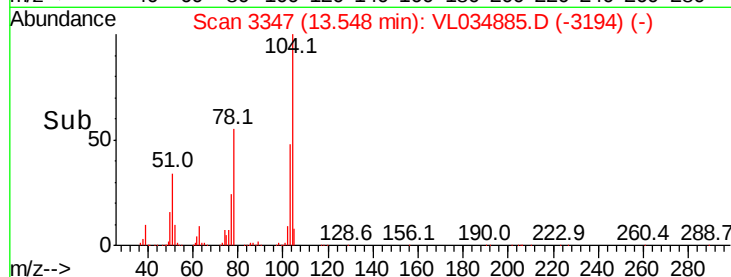
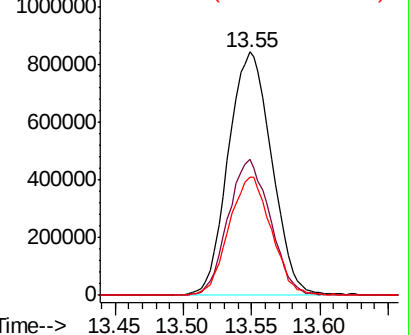
103 47.9 37.8 56.6



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: 9.616 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL034885.D

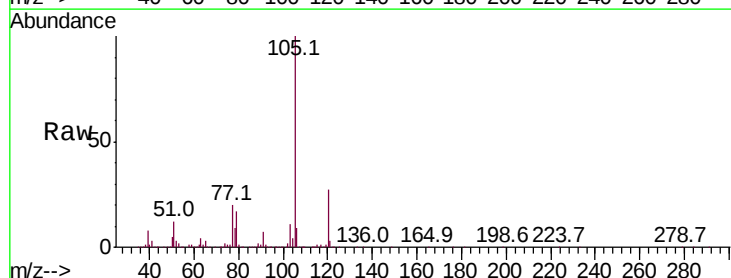
Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 3745626

Ion Ratio Lower Upper

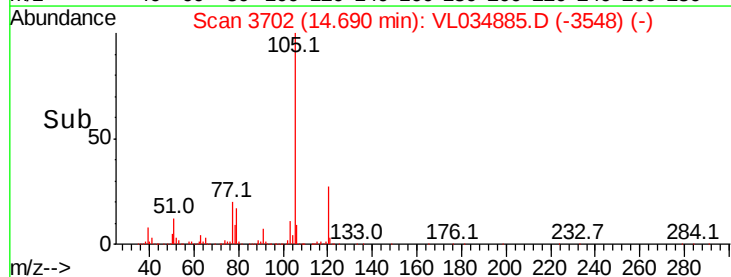
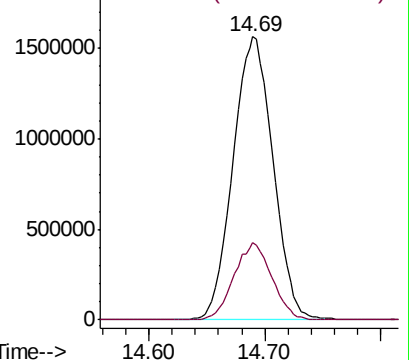
105 100

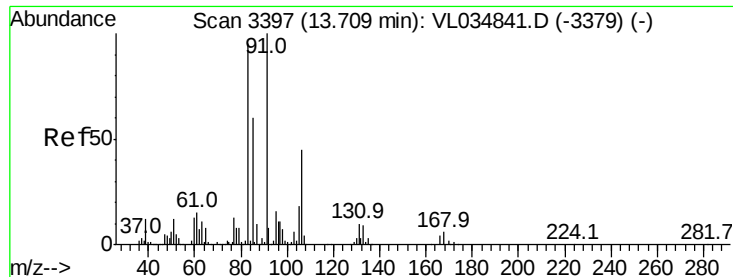
120 25.8 21.0 31.4



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: 10.406 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

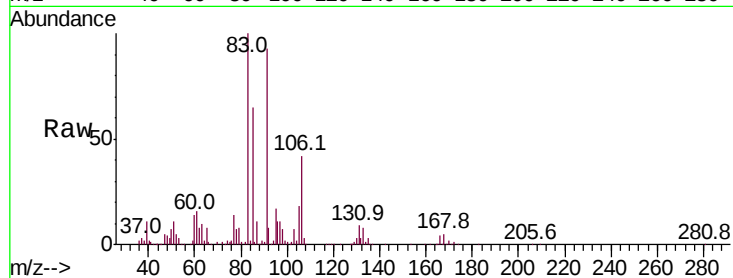
Tot Ion: 83 Resp: 1819876

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

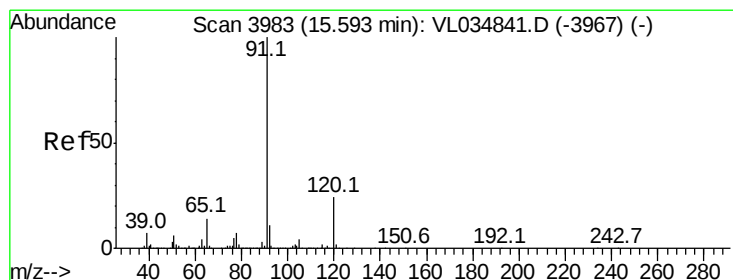
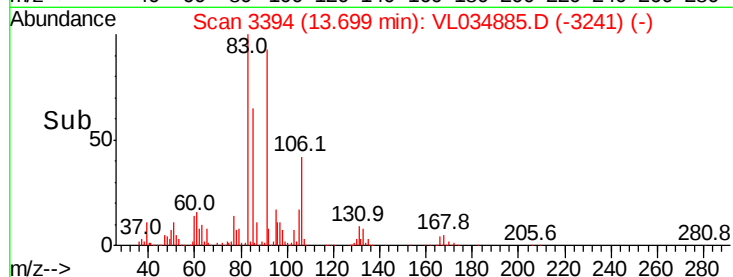
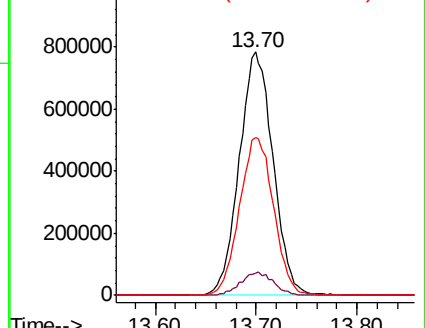
85 65.6 32.4 97.2



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: 9.755 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL034885.D

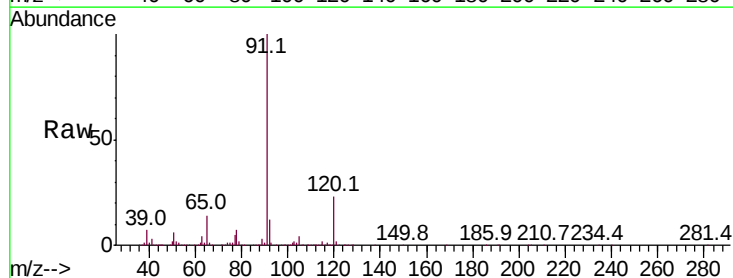
Acq: 16 Mar 2020 10:17

Tgt Ion:120 Resp: 988977

Ion Ratio Lower Upper

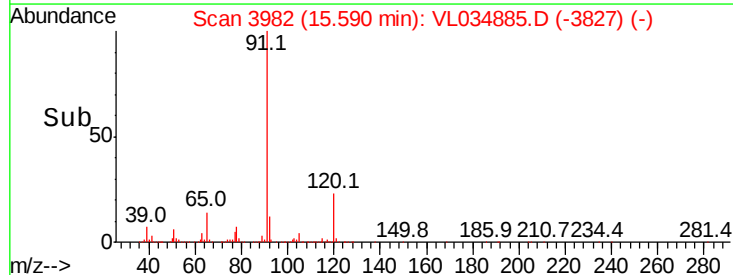
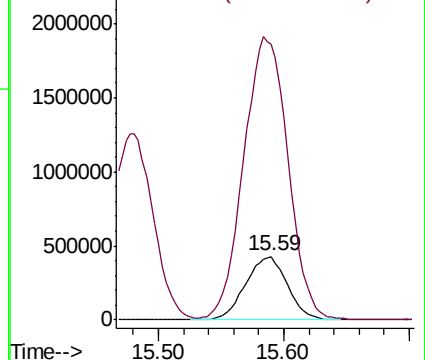
120 100

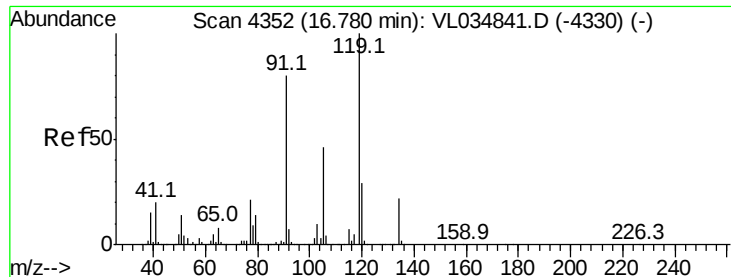
91 476.0 360.9 541.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.608 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

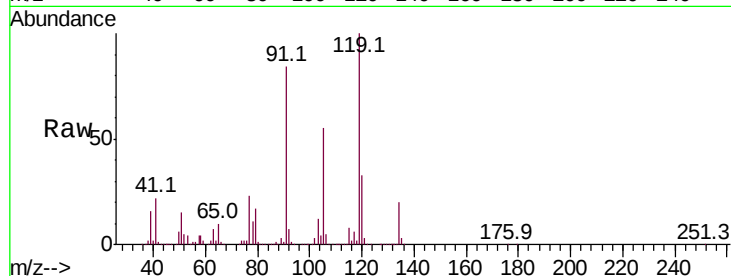
Tot Ion:119 Resp: 3271686

Ion Ratio Lower Upper

119 100

91 84.7 64.9 97.3

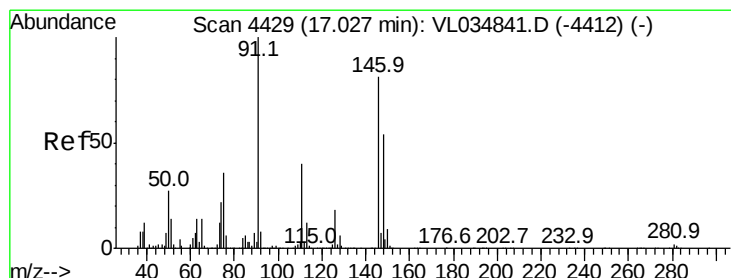
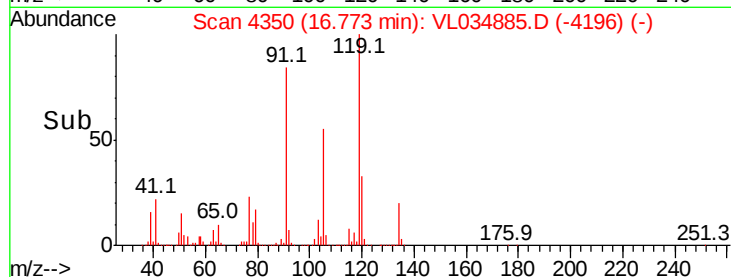
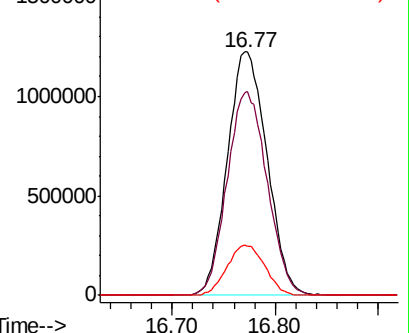
134 19.8 15.9 23.9



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: 9.514 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

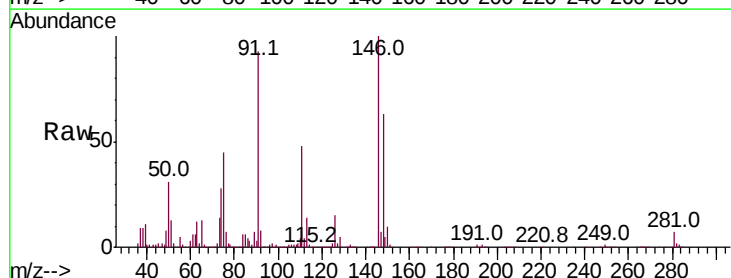
Tgt Ion: 91 Resp: 1350865

Ion Ratio Lower Upper

91 100

126 16.4 14.7 22.1

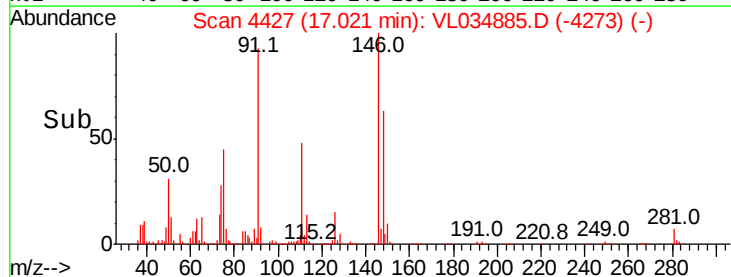
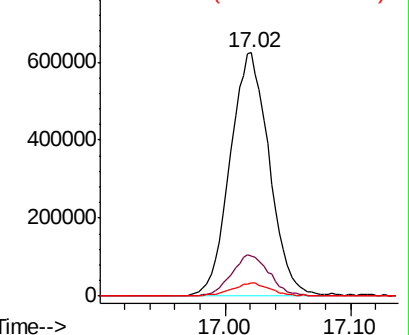
128 5.3 4.7 7.1

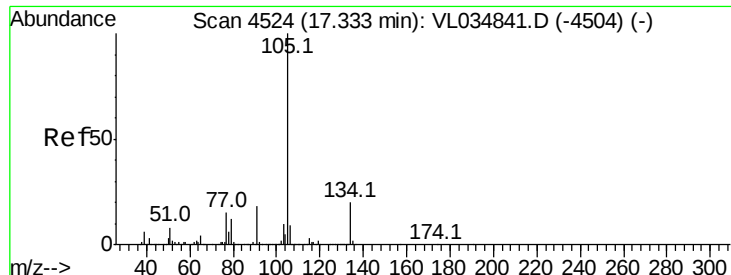


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.964 ppbv

RT: 17.32 min Scan# 4521

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

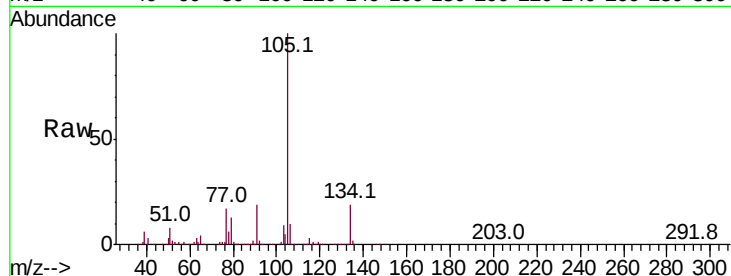
ClientSampleId :

Tot Ion:105 Resp: 4704330

Ion Ratio Lower Upper

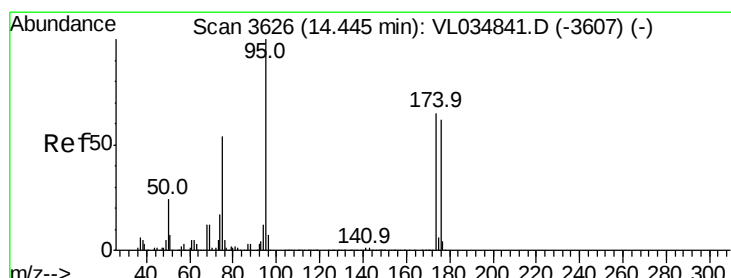
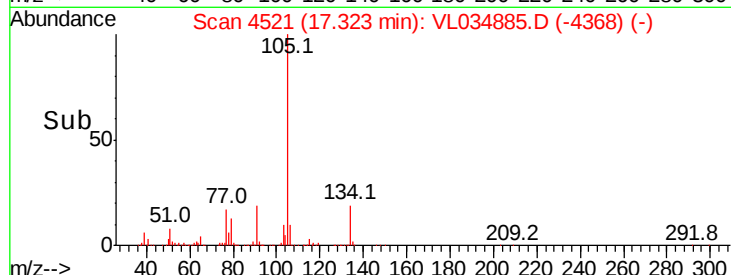
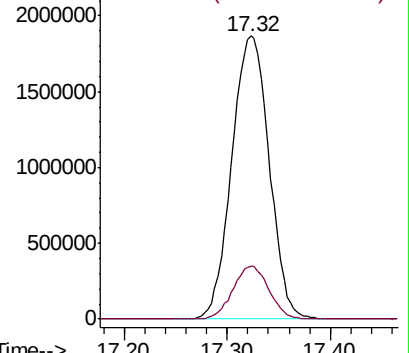
105 100

134 18.1 15.0 22.6



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: 10.026 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

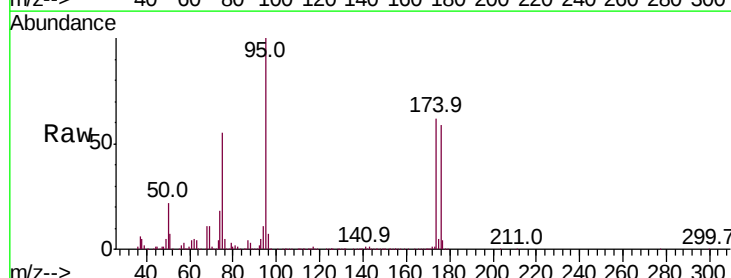
Tgt Ion: 95 Resp: 1818350

Ion Ratio Lower Upper

95 100

174 64.6 55.2 82.8

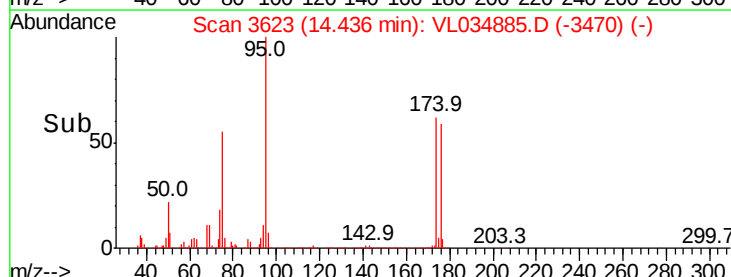
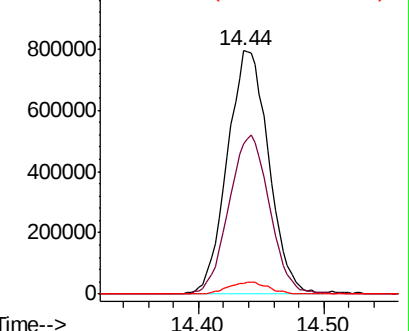
175 4.9 4.3 6.5

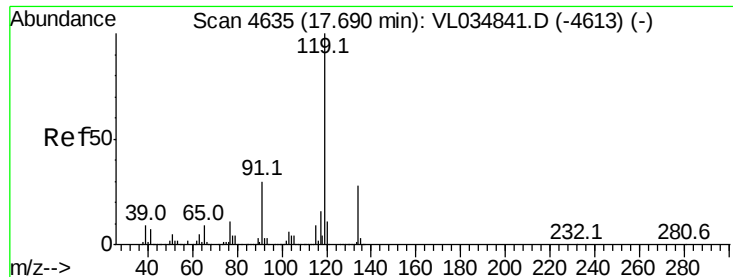


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



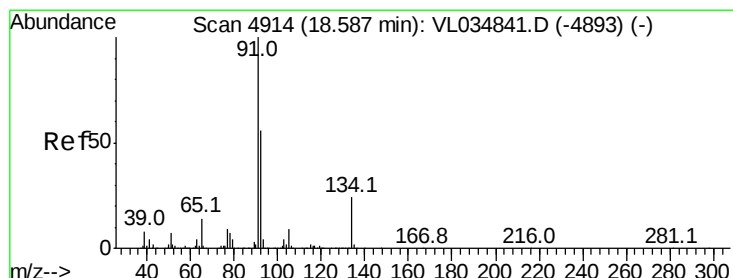
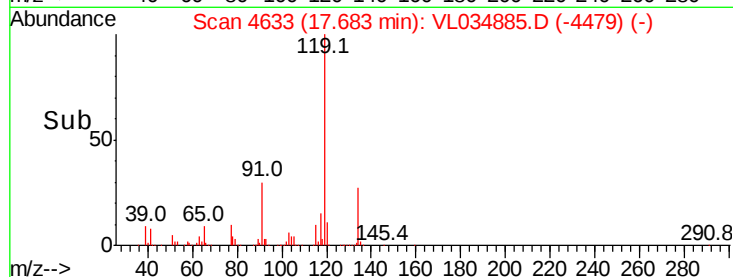
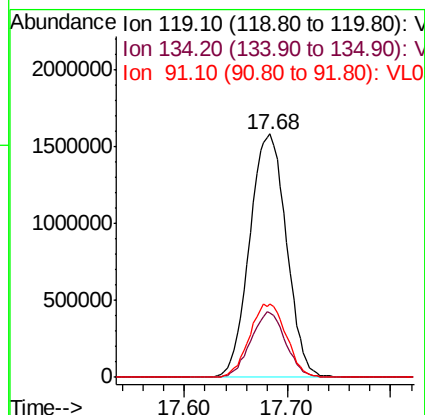
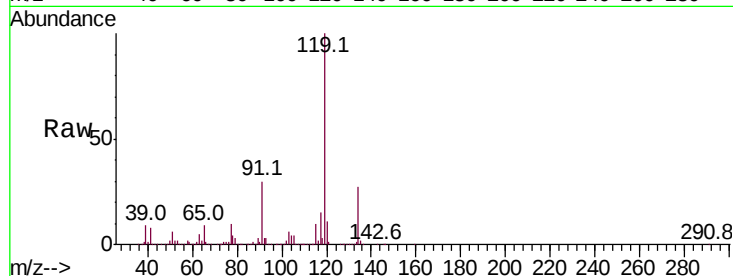


#69
 p-Isopropyltoluene
 Concen: 9.874 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3908989

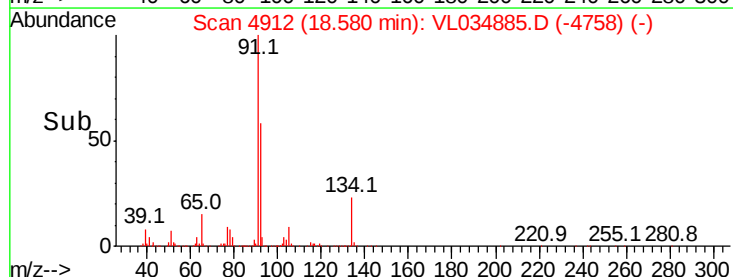
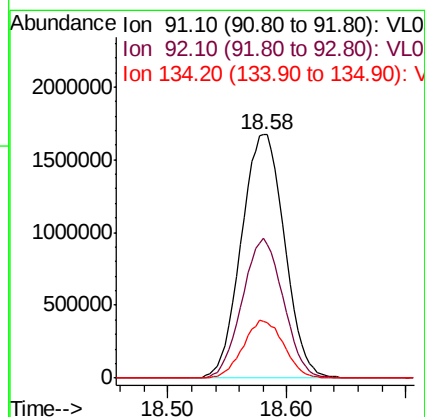
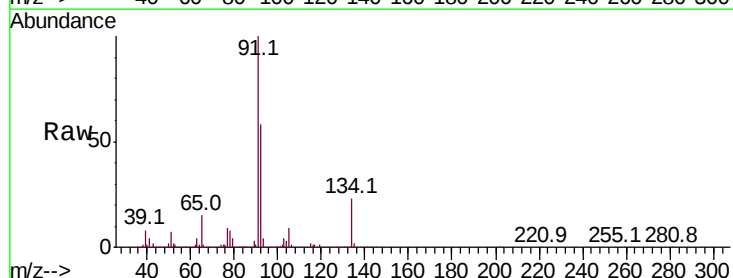
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	30.0	23.4	35.2

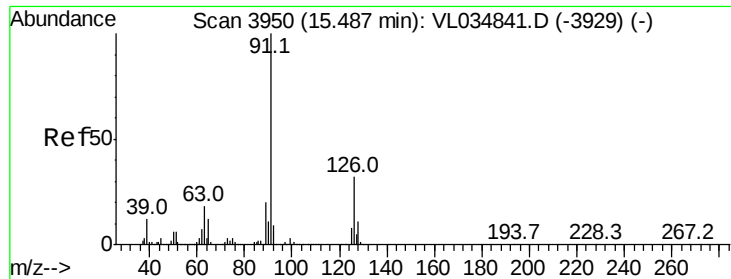


#70
 n-Butylbenzene
 Concen: 10.402 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL034885.D
 Acq: 16 Mar 2020 10:17

Tgt Ion: 91 Resp: 4201845

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.4	19.0	28.4





#71

2-Chlorotoluene

Concen: 9.980 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

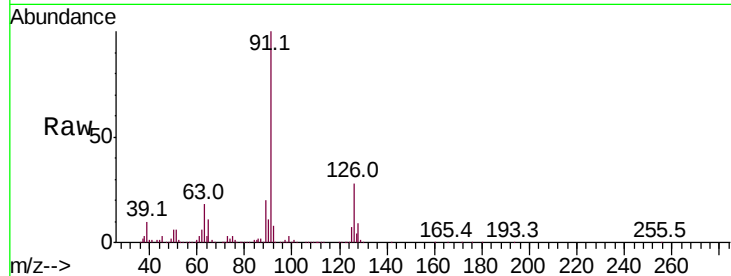
ClientSampleId :

Tot Ion: 91 Resp: 2943932

Ion Ratio Lower Upper

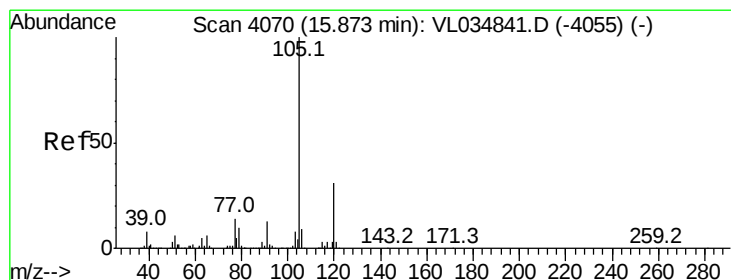
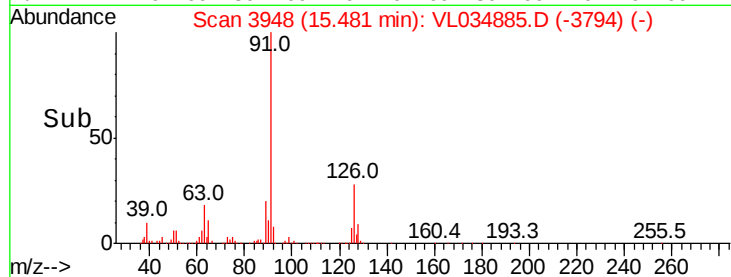
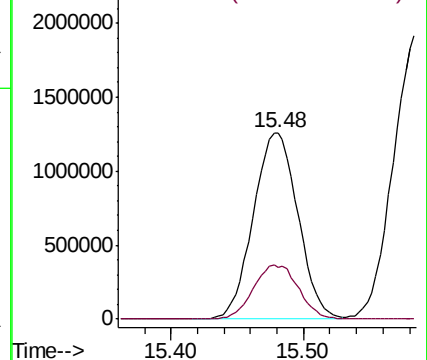
91 100

126 29.4 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.074 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 3064785

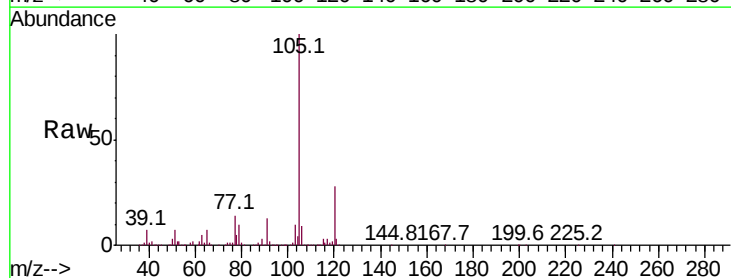
Ion Ratio Lower Upper

105 100

120 28.9 23.7 35.5

91 13.2 10.5 15.7

77 14.2 11.1 16.7

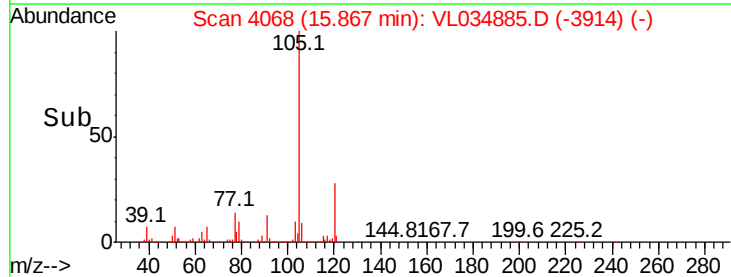
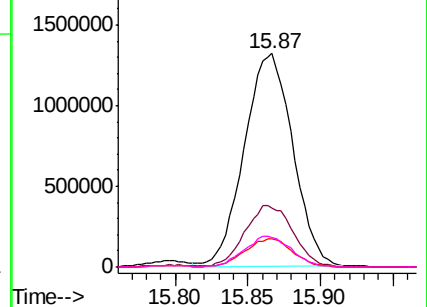


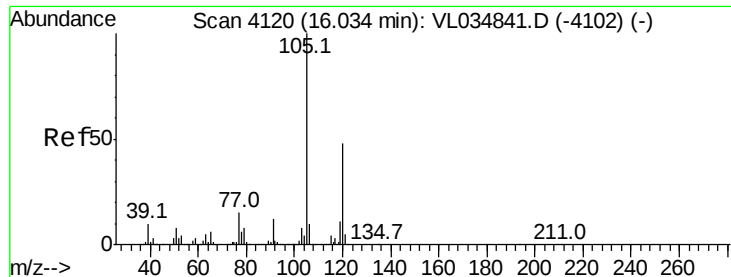
Abundance Ion 105.10 (104.80 to 105.80): V

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



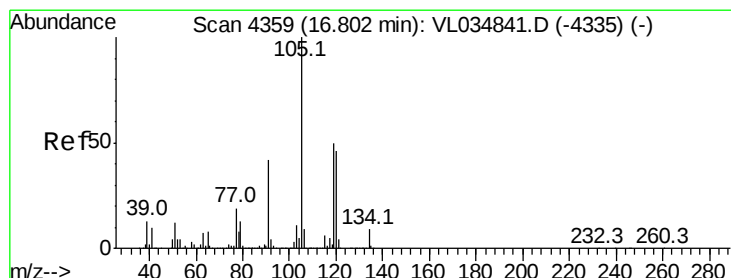
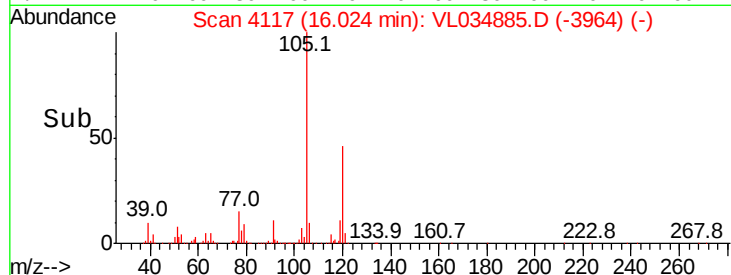
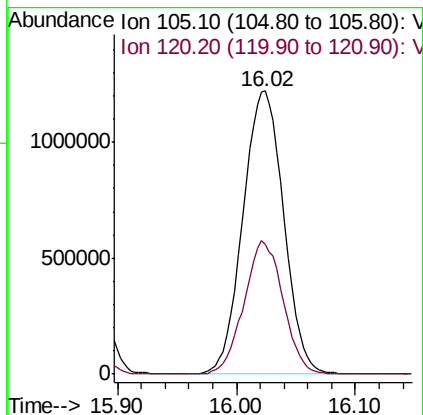
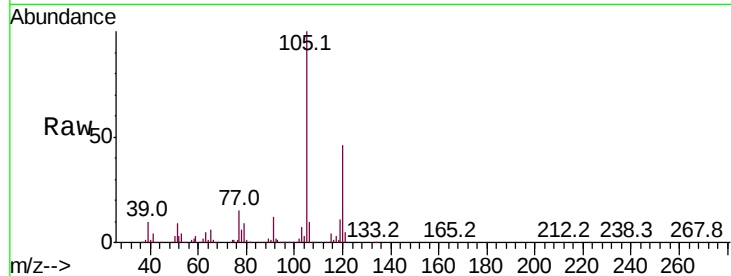


#73

1,3,5-Trimethylbenzene
Concen: 10.103 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Instrument :
MSVOA_L
ClientSampleId :

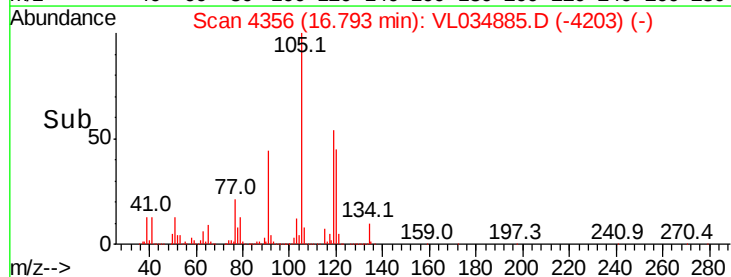
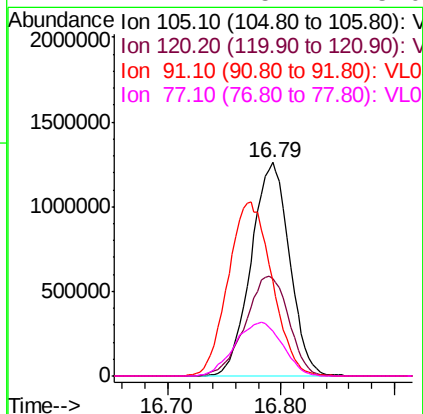
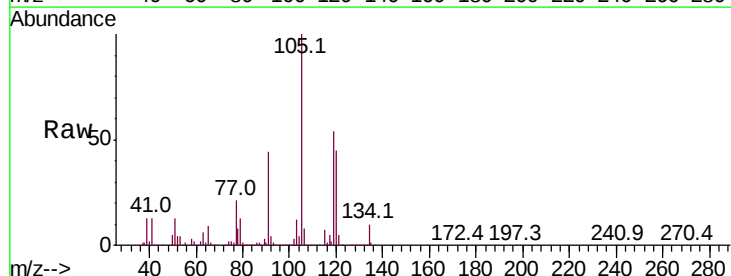
Tot Ion:105 Resp: 2877030
Ion Ratio Lower Upper
105 100
120 45.8 38.6 58.0

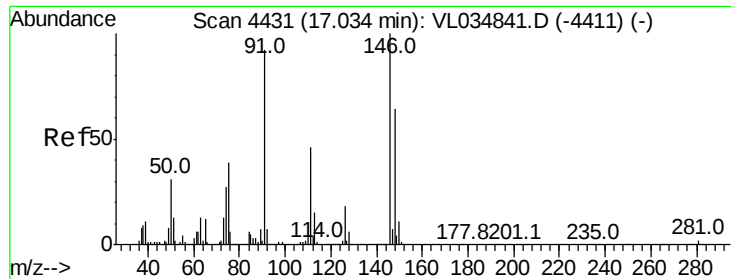


#74

1,2,4-Trimethylbenzene
Concen: 10.133 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.01 min
Lab File: VL034885.D
Acq: 16 Mar 2020 10:17

Tgt Ion:105 Resp: 2973116
Ion Ratio Lower Upper
105 100
120 45.3 37.0 55.4
91 44.2 33.8 50.6
77 21.1 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 9.728 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

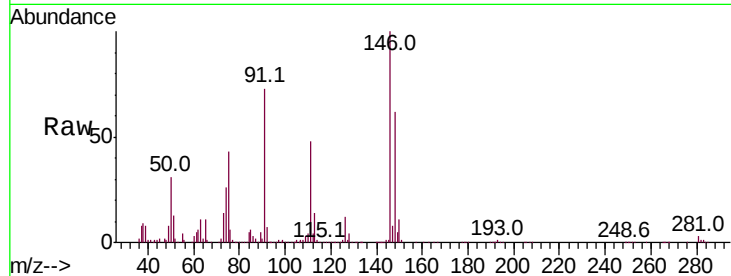
Tot Ion:146 Resp: 1720922

Ion	Ratio	Lower	Upper
146	100		
111	48.0	23.9	71.7
148	64.0	32.5	97.5

146 100

111 48.0 23.9 71.7

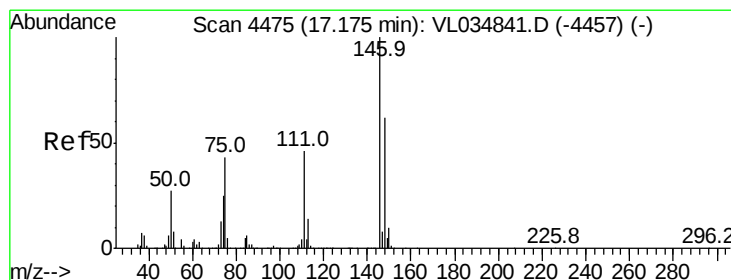
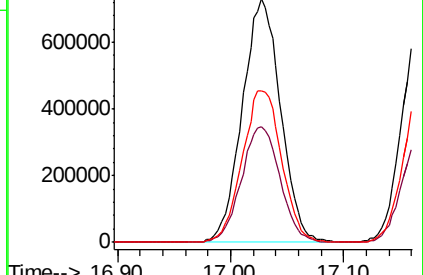
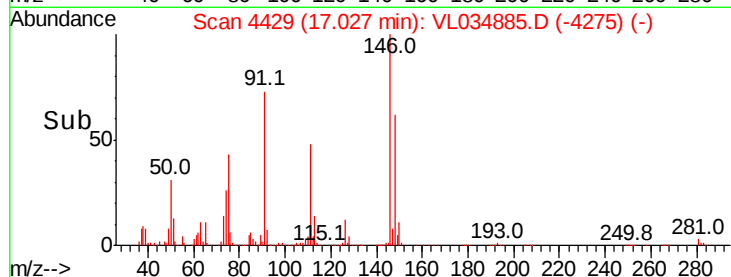
148 64.0 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.661 ppbv

RT: 17.17 min Scan# 4473

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

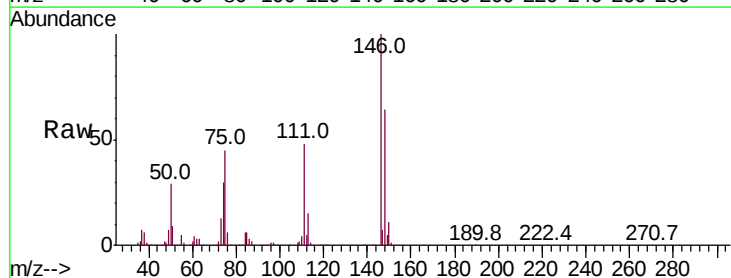
Tgt Ion:146 Resp: 1705516

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.2
148	64.9	32.3	96.9

146 100

111 47.6 23.4 70.2

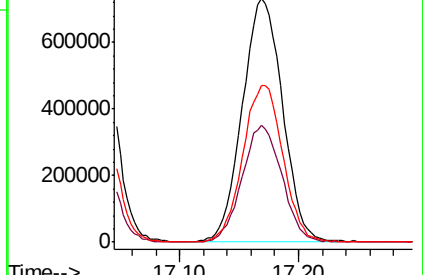
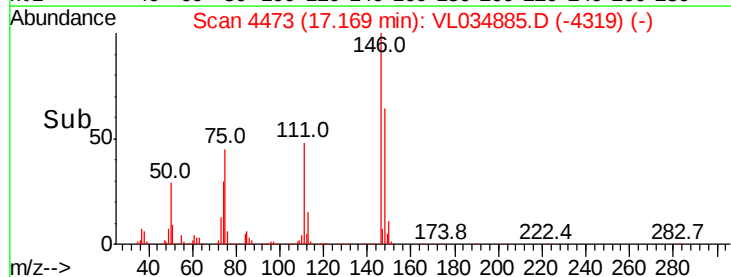
148 64.9 32.3 96.9

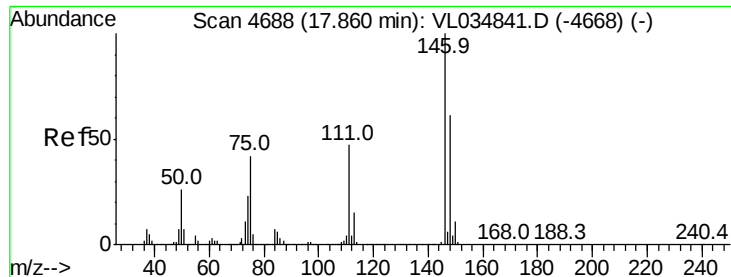


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.665 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

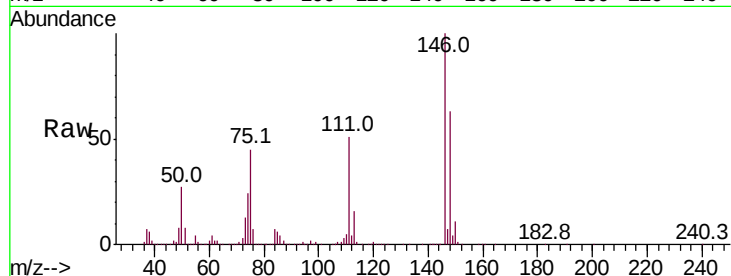
Tot Ion:146 Resp: 1657421

Ion Ratio Lower Upper

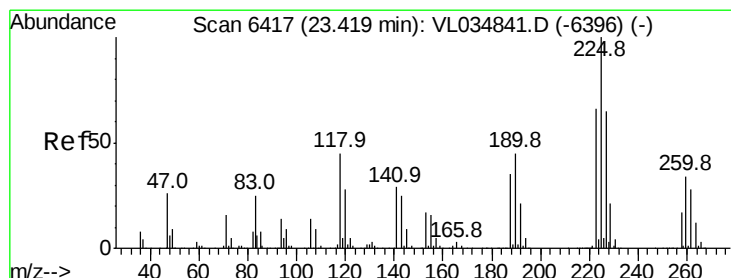
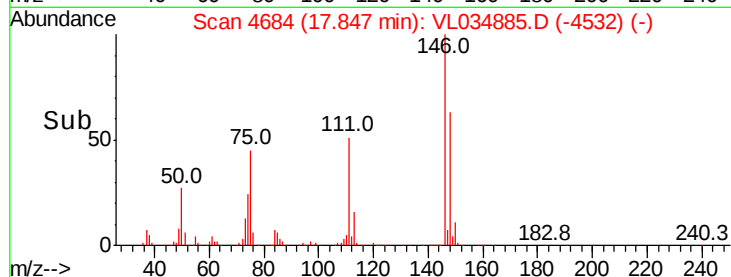
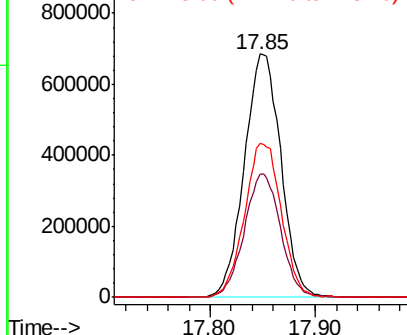
146 100

111 50.5 23.8 71.4

148 63.9 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.574 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

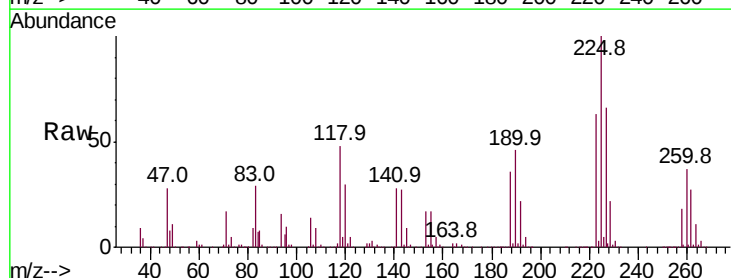
Tgt Ion:225 Resp: 1371311

Ion Ratio Lower Upper

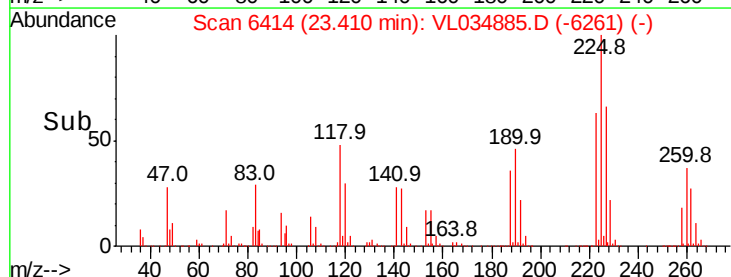
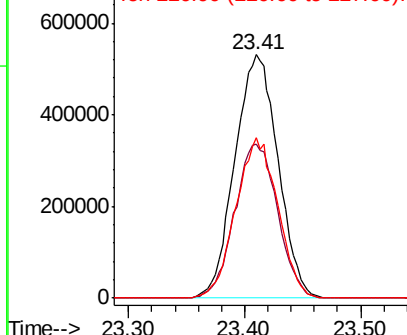
225 100

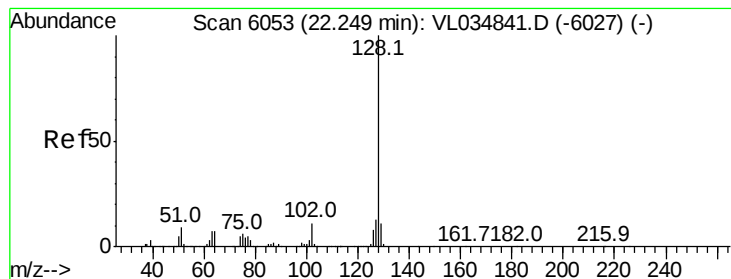
223 63.1 51.1 76.7

227 64.1 51.8 77.6



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.361 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampled :

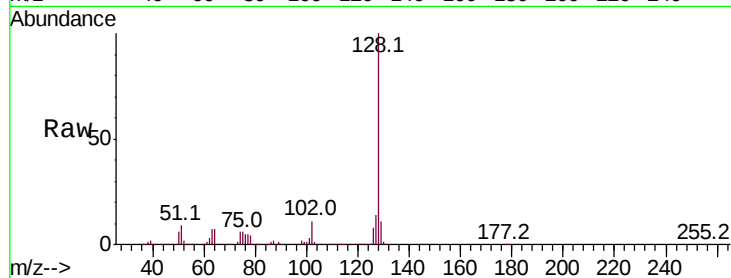
Tot Ion:128 Resp: 2828329

Ion Ratio Lower Upper

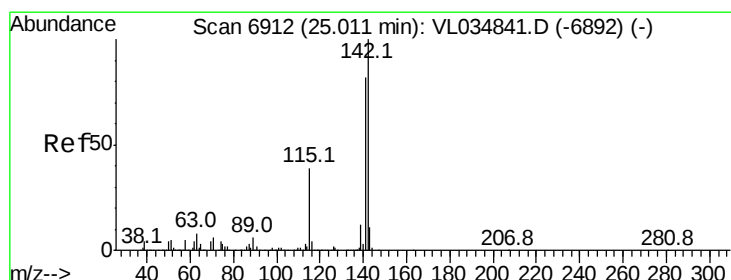
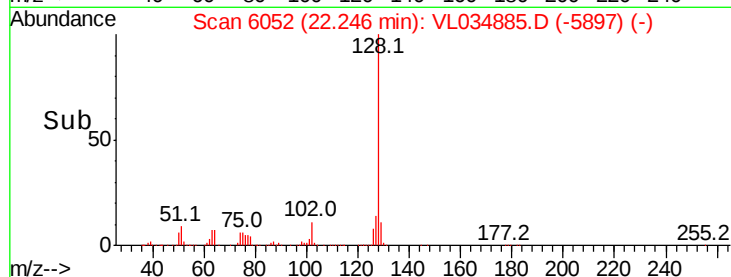
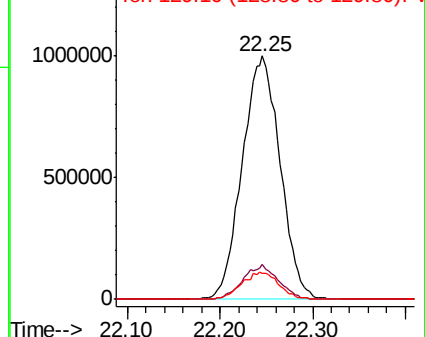
128 100

127 14.2 10.2 15.2

129 10.9 8.6 13.0



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 19.185 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

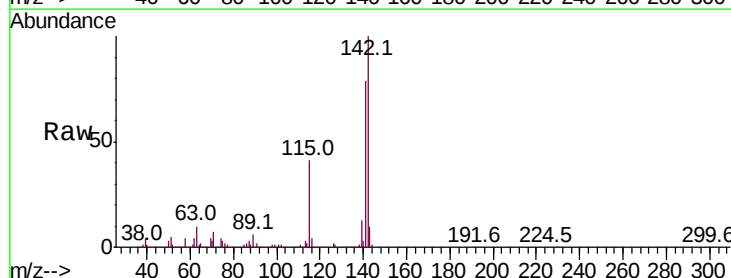
Tgt Ion:142 Resp: 1147158

Ion Ratio Lower Upper

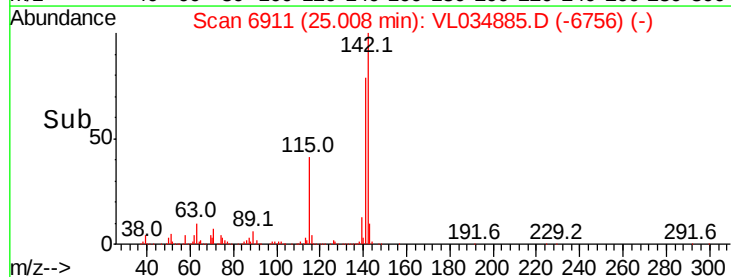
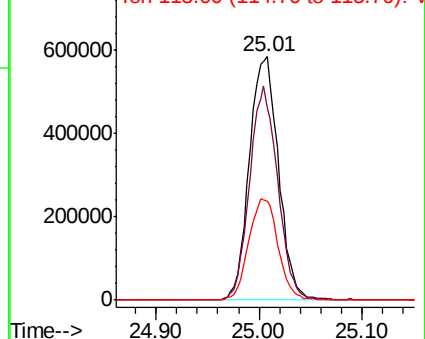
142 100

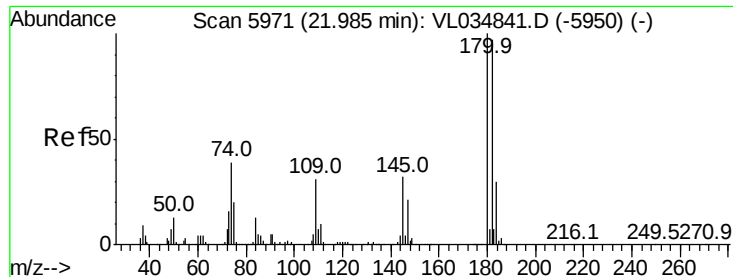
141 84.9 68.9 103.3

115 42.1 33.2 49.8



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: 11.015 ppbv

RT: 21.97 min Scan# 5967

Delta R.T. -0.01 min

Lab File: VL034885.D

Acq: 16 Mar 2020 10:17

Instrument :

MSVOA_L

ClientSampleId :

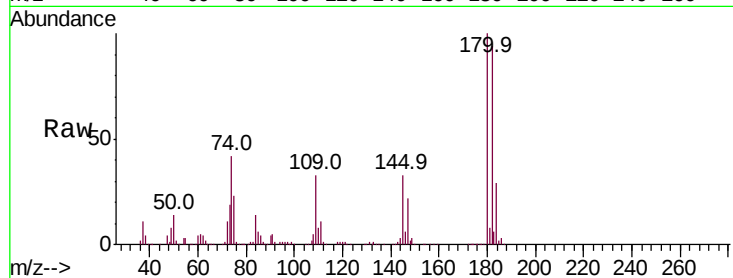
Tot Ion:180 Resp: 1601291

Ion Ratio Lower Upper

180 100

182 96.6 76.6 115.0

184 30.8 25.0 37.4



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

