

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034887.D
 Acq On : 16 Mar 2020 12:45
 Operator : SY/AP
 Sample : VL0316ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Quant Time: Mar 17 04:25:17 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	955153	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2096990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2720672	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1747529	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1729726	13.225	ppbv	99
3) Chlorodifluoromethane	2.94	51	1089710	10.213	ppbv	98
4) Chloromethane	3.10	50	629022	10.431	ppbv	97
5) Vinyl Chloride	3.22	62	609609	10.515	ppbv	94
6) Bromomethane	3.43	94	360902	10.694	ppbv	96
7) Chloroethane	3.52	64	217082	10.369	ppbv	99
8) Dichlorotetrafluoroethane	3.14	85	1376175	10.131	ppbv	96
9) Propene	2.97	41	496495	9.746	ppbv	99
10) Heptane	8.12	43	1331409	10.620	ppbv	100
11) Trichlorofluoromethane	3.92	101	1414597	10.166	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1005572	10.325	ppbv	95
13) Ethanol	3.57	45	114239	7.376	ppbv	96
14) Bromoethene	3.70	108	430202	10.228	ppbv	98
15) Acetone	3.82	43	1128687	9.117	ppbv	99
16) 1,3-Butadiene	3.29	39	564369	10.081	ppbv	100
17) tert-Butyl alcohol	4.26	59	842882	7.067	ppbv	99
18) 1,1-Dichloroethene	4.26	96	457306	10.603	ppbv	97
19) Isopropyl Alcohol	3.94	45	602190	7.703	ppbv #	41
20) Methylene Chloride	4.31	84	405649	10.364	ppbv	97
21) Allyl Chloride	4.38	41	798786	10.047	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	465863	10.647	ppbv	97
23) Vinyl Acetate	5.05	43	1805908	9.875	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1246116	10.165	ppbv	99
25) Ethyl Acetate	5.66	43	2187497	9.918	ppbv	100
26) Hexane	5.67	57	975124	10.267	ppbv	98
27) Carbon Disulfide	4.52	76	1164112	10.802	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1509359	9.552	ppbv	100
29) Chloroform	5.74	83	1508334	10.409	ppbv	97
30) Cyclohexane	7.12	84	807200	10.186	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	993093	10.225	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1470654	10.416	ppbv	98
34) 2-Butanone	5.22	43	1467891	10.533	ppbv	99
35) Carbon Tetrachloride	7.01	117	1489576	11.421	ppbv	96
36) Benzene	6.89	78	1963515	10.505	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1174895	11.148	ppbv	98
38) Trichloroethene	7.83	130	735599	10.362	ppbv	98
39) 1,2-Dichloropropane	7.62	63	779218	10.522	ppbv	95
40) 1,4-Dioxane	7.83	88	258199	9.232	ppbv #	93
41) Tetrahydrofuran	6.03	42	817203	10.838	ppbv	99
42) Bromodichloromethane	7.80	83	1603556	11.164	ppbv	100
43) Methyl Methacrylate	8.02	69	889421	11.295	ppbv	98

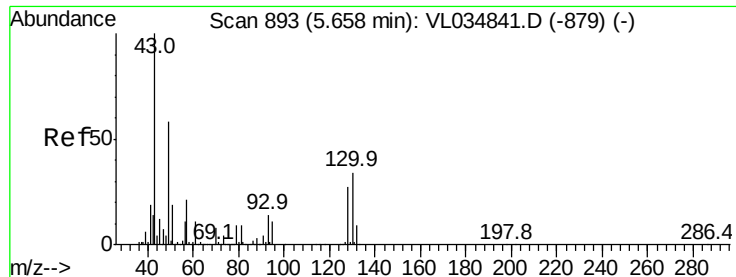
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3400439	10.766	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1016052	10.982	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1206451	10.974	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	826279	10.872	ppbv	96
48) Dibromochloromethane	10.32	129	1339491	10.883	ppbv	99
49) Bromoform	13.07	173	1204745	10.978	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2210769	11.021	ppbv	100
51) 2-Hexanone	10.14	43	1815190	11.134	ppbv #	99
52) Tetrachloroethene	11.24	164	704217	9.523	ppbv	98
53) Toluene	9.82	91	2288631	10.603	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1224735	10.706	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1020076	8.347	ppbv	96
57) Chlorobenzene	12.17	112	1740365	8.176	ppbv #	96
58) Ethyl Benzene	12.73	91	3117016	8.460	ppbv	99
59) m/p-Xylene	13.01	91	2155595	6.983	ppbv #	6
60) o-Xylene	13.71	91	2548584	8.456	ppbv	99
61) Styrene	13.55	104	1875467	8.867	ppbv	99
62) Isopropylbenzene	14.69	105	3755152	8.240	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1805631	8.825	ppbv	99
64) n-propylbenzene	15.59	120	993344	8.375	ppbv	93
65) tert-Butylbenzene	16.77	119	3263319	8.192	ppbv	98
66) Benzyl Chloride	17.02	91	1298293	7.816	ppbv	98
67) sec-Butylbenzene	17.32	105	4703573	8.515	ppbv	99
69) p-Isopropyltoluene	17.68	119	3913954	8.450	ppbv	98
70) n-Butylbenzene	18.58	91	4154473	8.791	ppbv	99
71) 2-Chlorotoluene	15.48	91	2923779	8.472	ppbv	98
72) 4-Ethyltoluene	15.86	105	3085808	8.670	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2859596	8.583	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	2960233	8.624	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	1694834	8.188	ppbv	100
76) 1,4-Dichlorobenzene	17.17	146	1705180	8.256	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	1639808	8.173	ppbv	97
78) Hexachloro-1,3-Butadiene	23.41	225	1398602	8.346	ppbv	98
79) Naphthalene	22.24	128	2723187	10.173	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	813304	11.626	ppbv	99
81) 1,2,4-Trichlorobenzene	21.97	180	1571792	9.242	ppbv	100

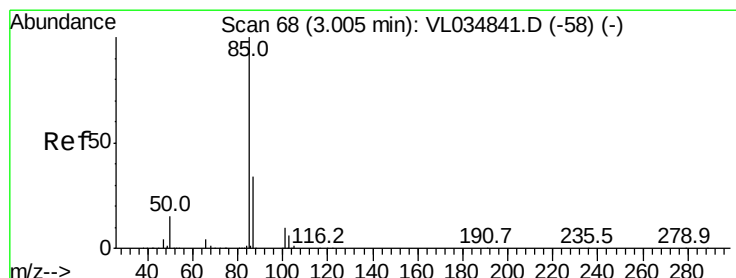
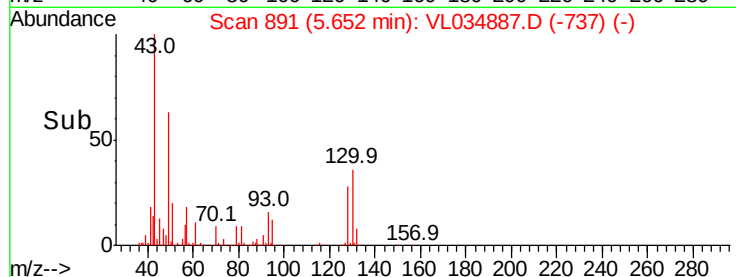
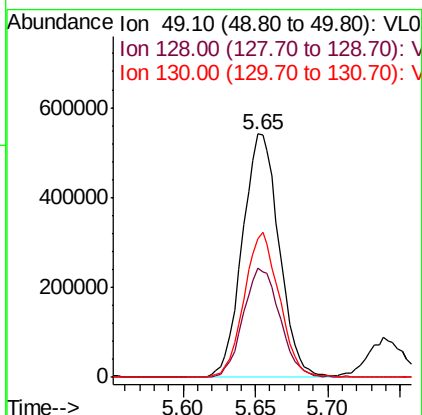
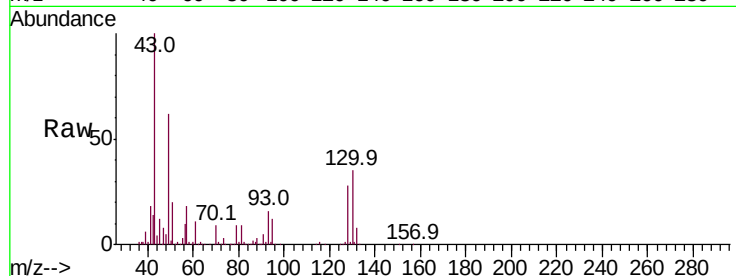
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

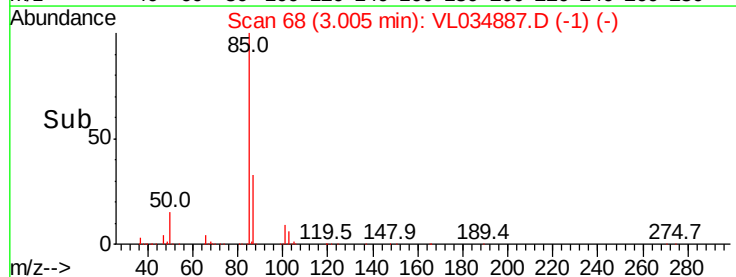
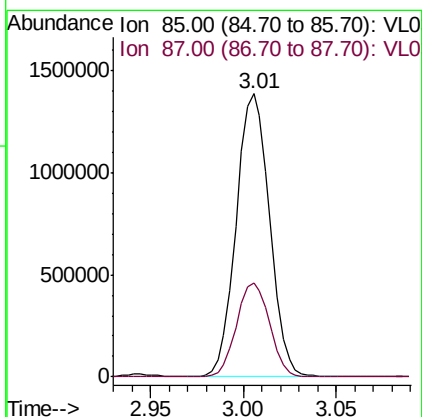
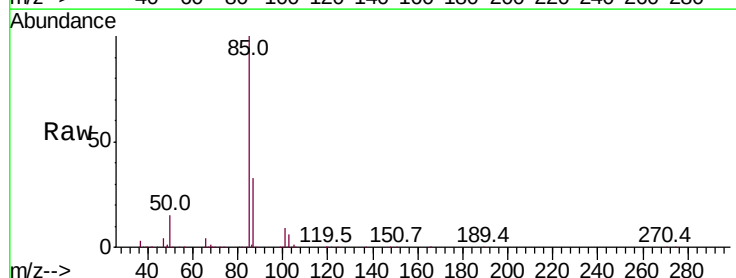
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

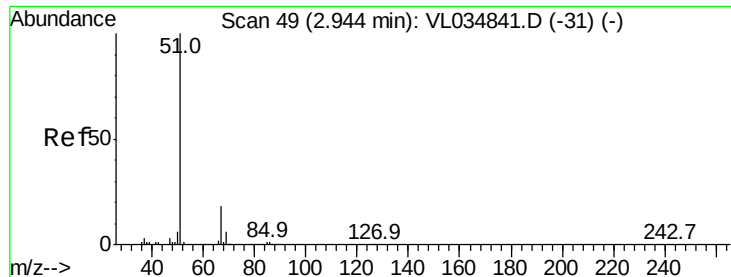
Tot Ion: 49 Resp: 955153
Ion Ratio Lower Upper
49 100
128 44.9 23.4 70.3
130 57.3 30.0 90.0



#2
Dichlorodifluoromethane
Concen: 13.225 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 85 Resp: 1729726
Ion Ratio Lower Upper
85 100
87 33.2 26.9 40.3

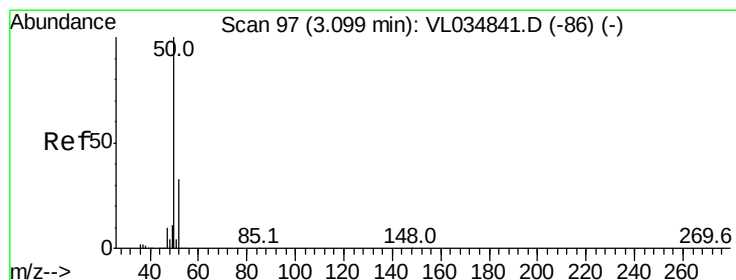
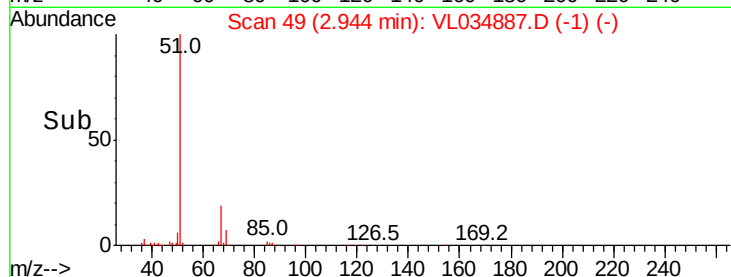
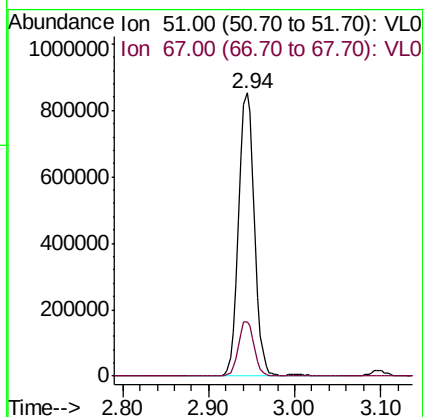
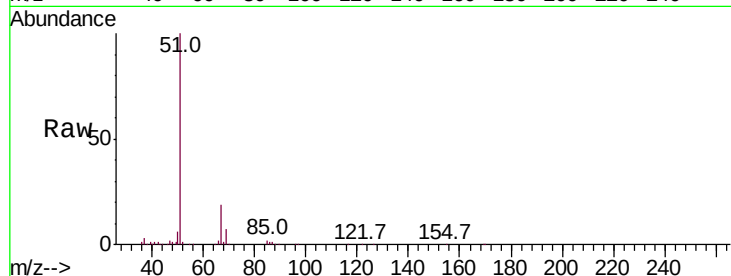




#3
Chlorodifluoromethane
Concen: 10.213 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

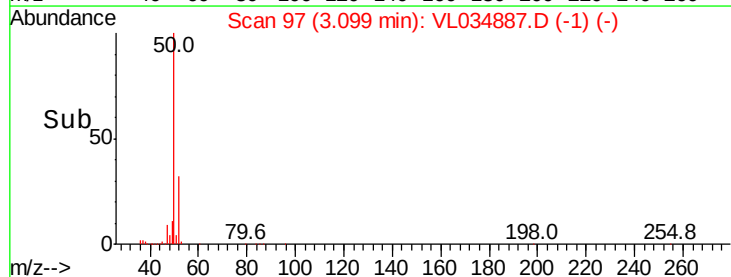
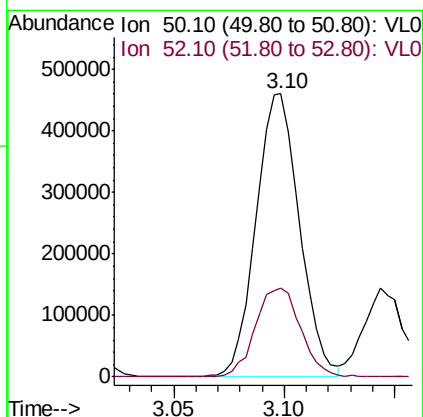
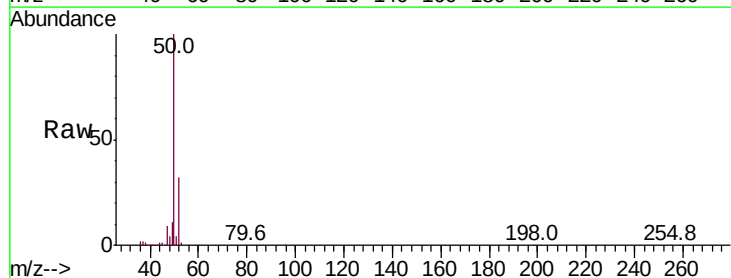
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

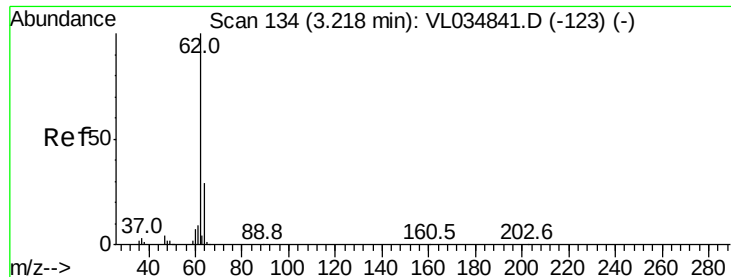
Tot Ion: 51 Resp: 1089710
Ion Ratio Lower Upper
51 100
67 18.8 14.3 21.5



#4
Chloromethane
Concen: 10.431 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 50 Resp: 629022
Ion Ratio Lower Upper
50 100
52 31.6 26.8 40.2





#5

Vinyl Chloride

Concen: 10.515 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

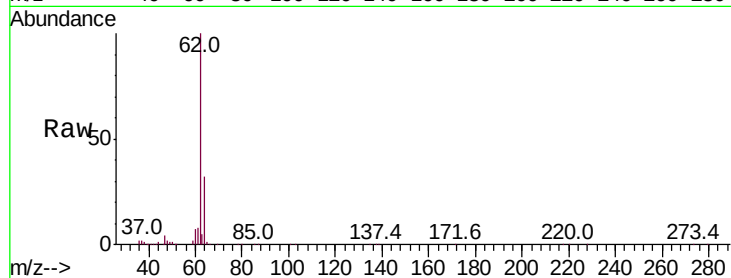
VL0316ABS01

Tot Ion: 62 Resp: 609609

Ion Ratio Lower Upper

62 100

64 32.1 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

500000

400000

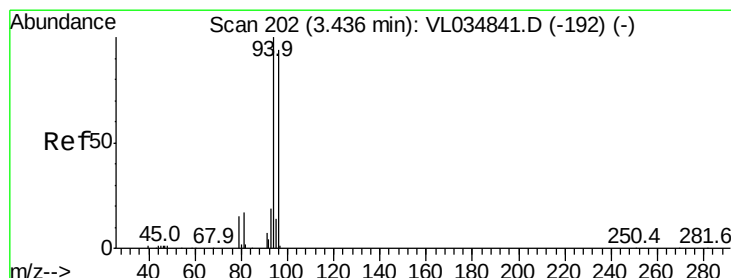
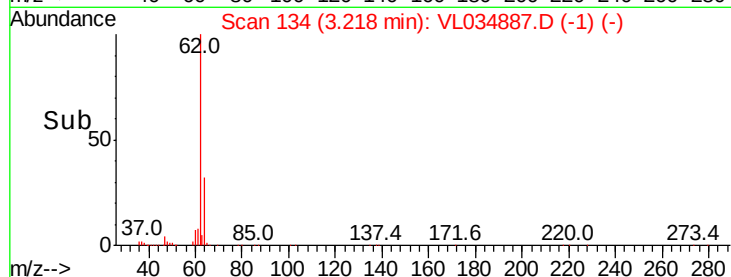
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.694 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034887.D

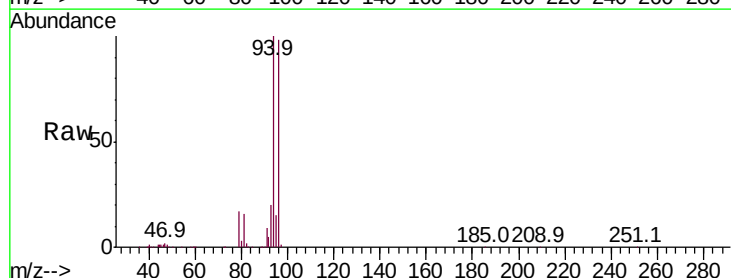
Acq: 16 Mar 2020 12:45

Tgt Ion: 94 Resp: 360902

Ion Ratio Lower Upper

94 100

96 97.9 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

250000

200000

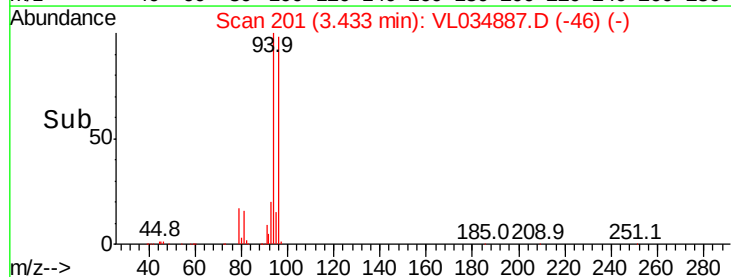
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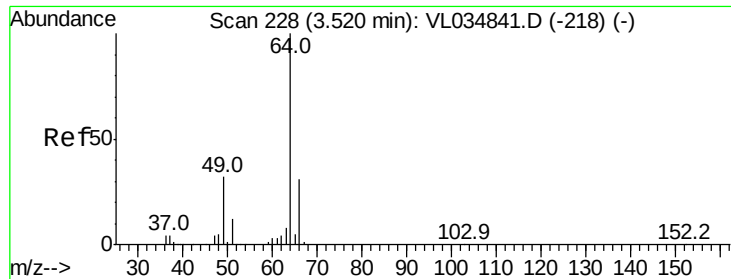
100000

50000

0

Time-->





#7

Chloroethane

Concen: 10.369 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

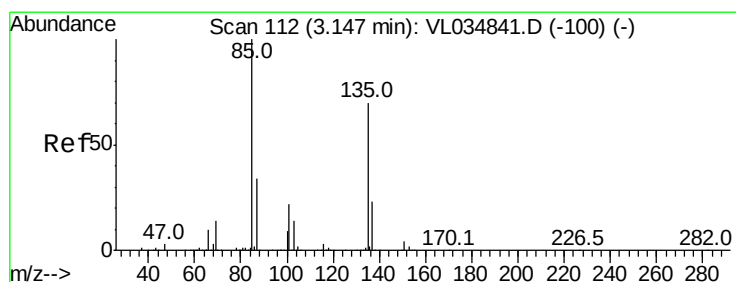
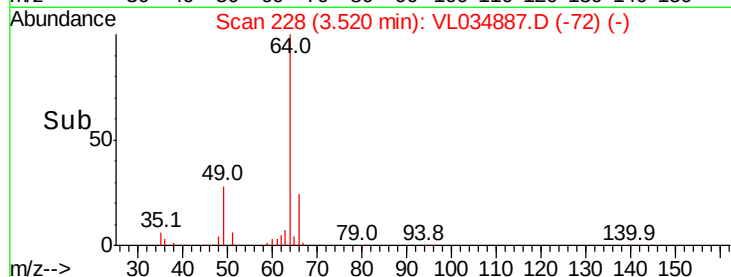
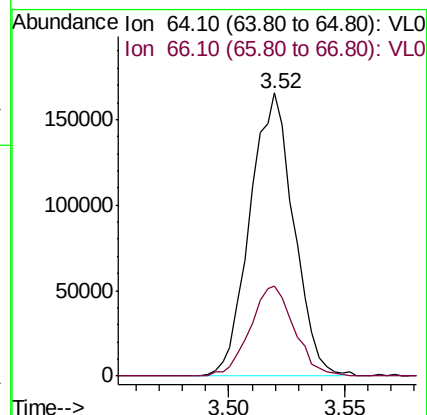
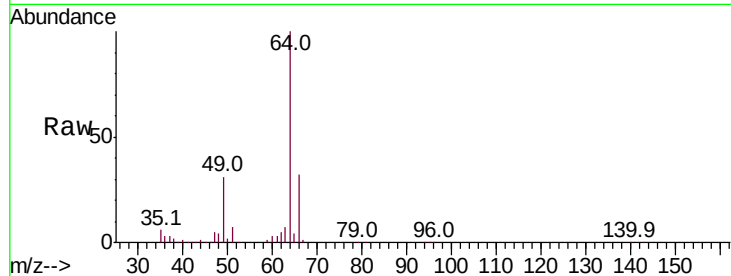
VL0316ABS01

Tot Ion: 64 Resp: 217082

Ion Ratio Lower Upper

64 100

66 31.8 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 10.131 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL034887.D

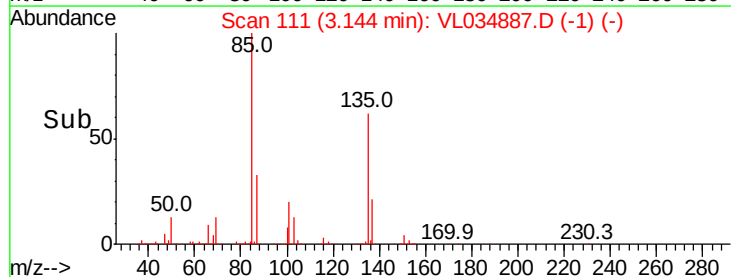
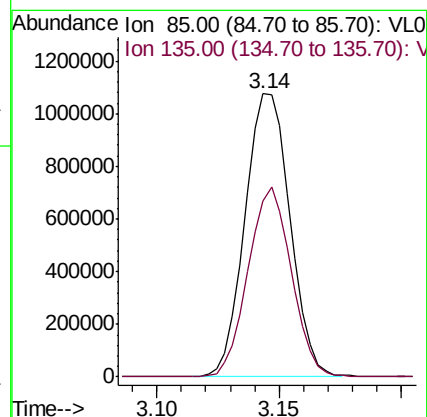
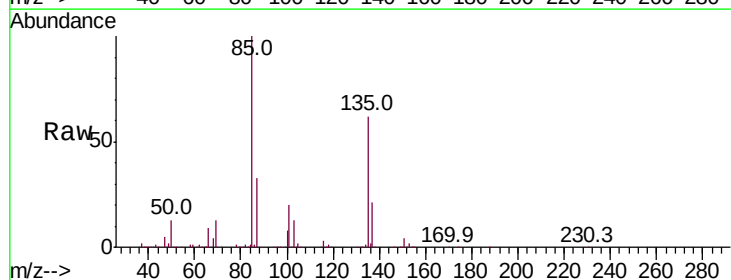
Acq: 16 Mar 2020 12:45

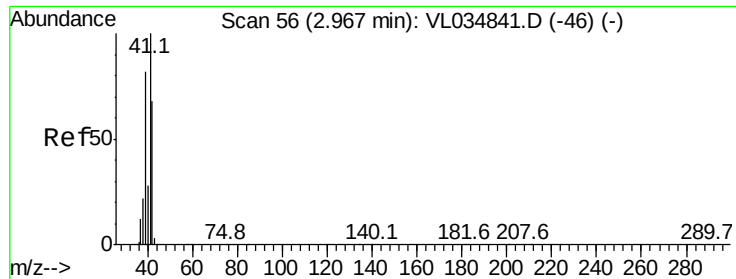
Tgt Ion: 85 Resp: 1376175

Ion Ratio Lower Upper

85 100

135 64.4 54.3 81.5





#9

Propene

Concen: 9.746 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

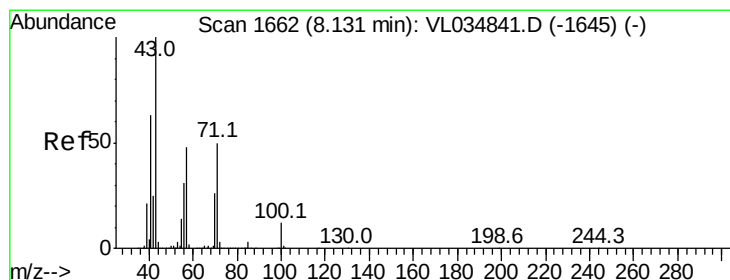
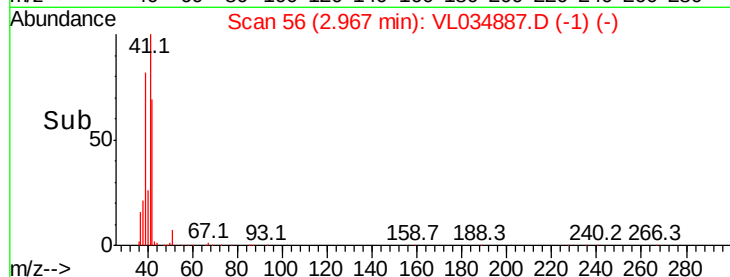
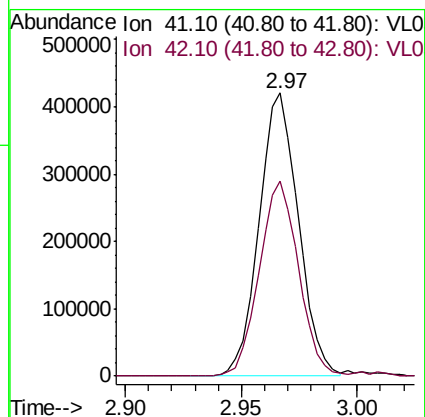
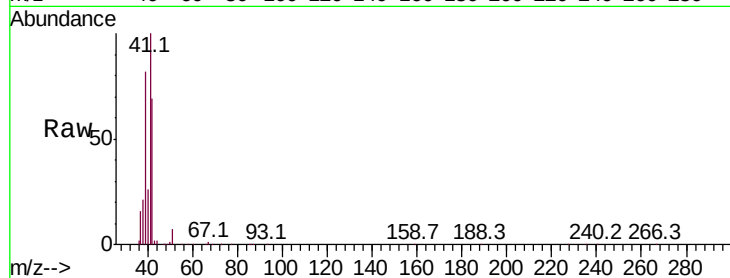
VL0316ABS01

Tot Ion: 41 Resp: 496495

Ion Ratio Lower Upper

41 100

42 70.1 55.2 82.8



#10

Heptane

Concen: 10.620 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034887.D

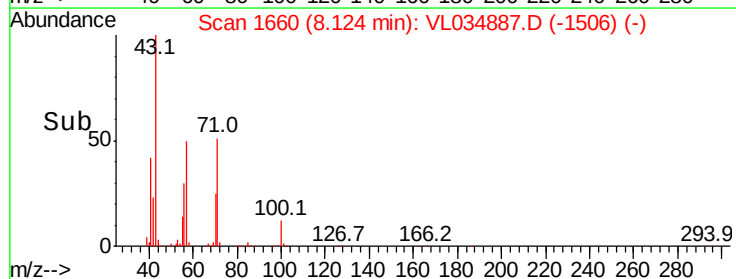
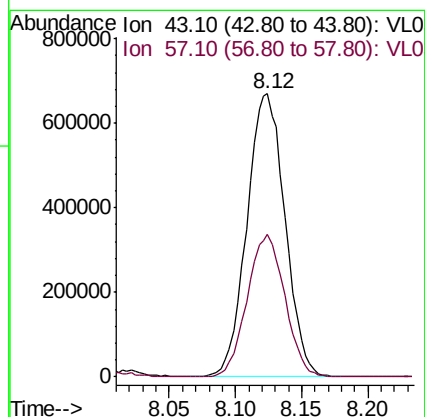
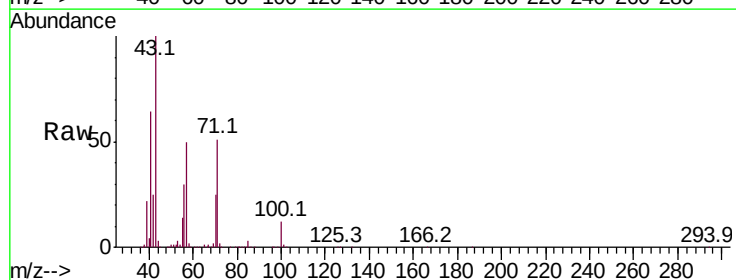
Acq: 16 Mar 2020 12:45

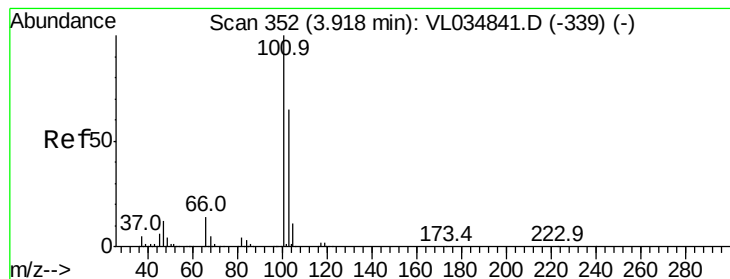
Tgt Ion: 43 Resp: 1331409

Ion Ratio Lower Upper

43 100

57 49.9 39.7 59.5





#11

Trichlorofluoromethane

Concen: 10.166 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

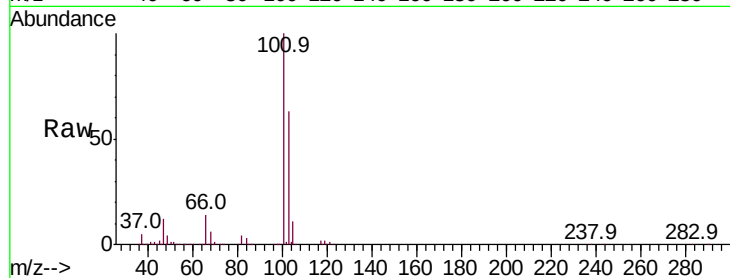
VL0316ABS01

Tot Ion:101 Resp: 1414597

Ion Ratio Lower Upper

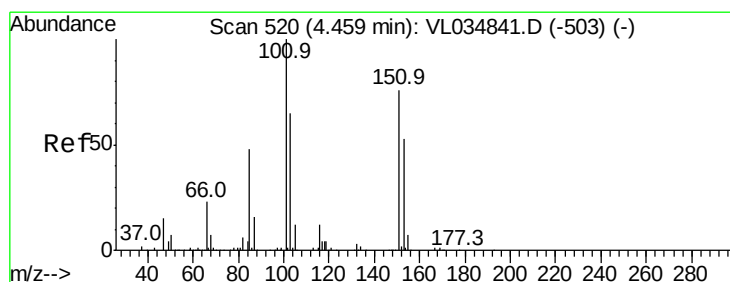
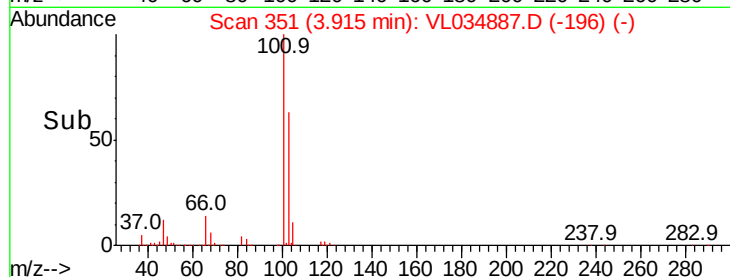
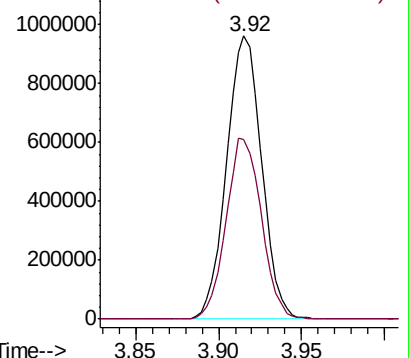
101 100

103 63.4 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.325 ppbv

RT: 4.46 min Scan# 519

Delta R.T. -0.00 min

Lab File: VL034887.D

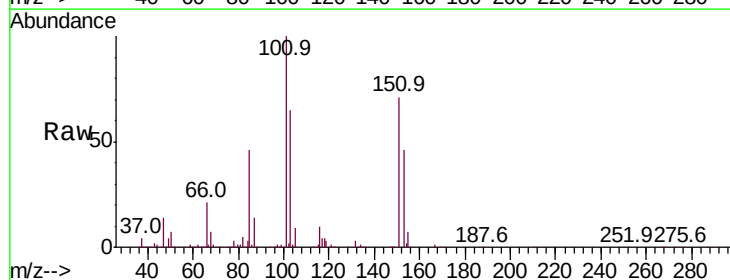
Acq: 16 Mar 2020 12:45

Tgt Ion:101 Resp: 1005572

Ion Ratio Lower Upper

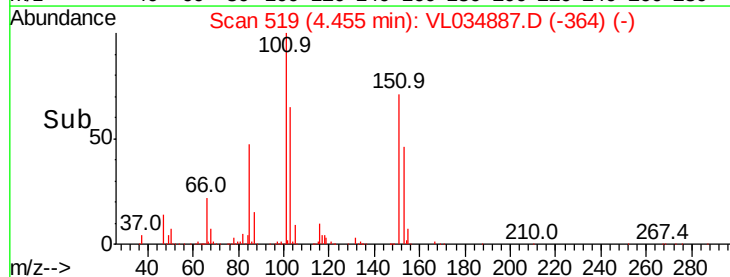
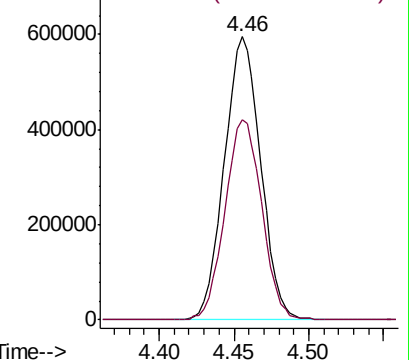
101 100

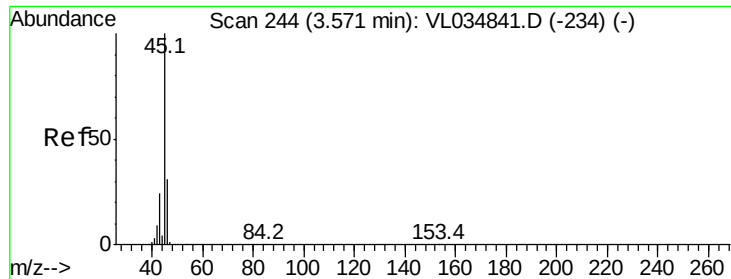
151 71.7 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.376 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

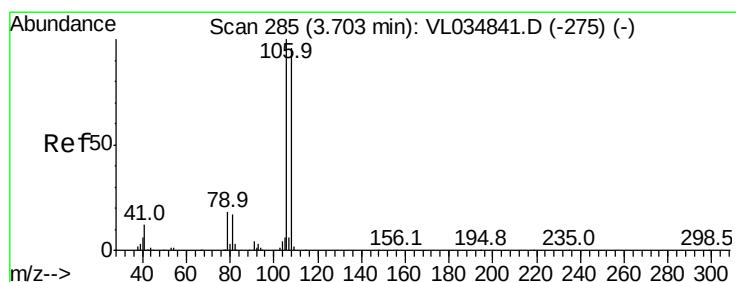
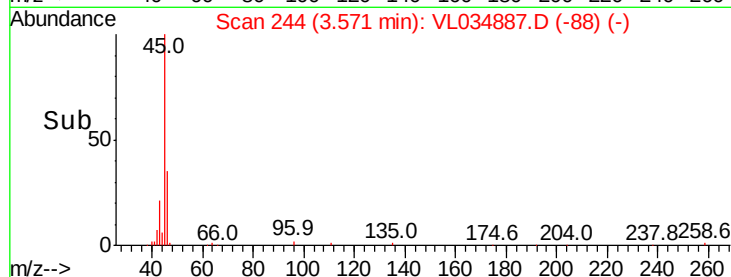
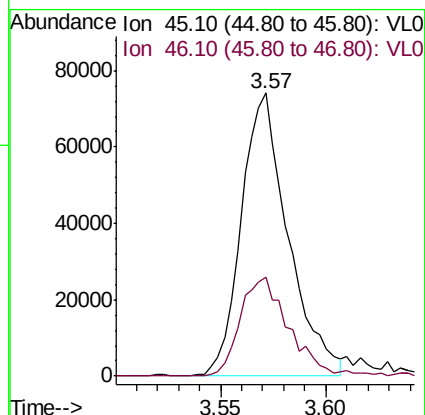
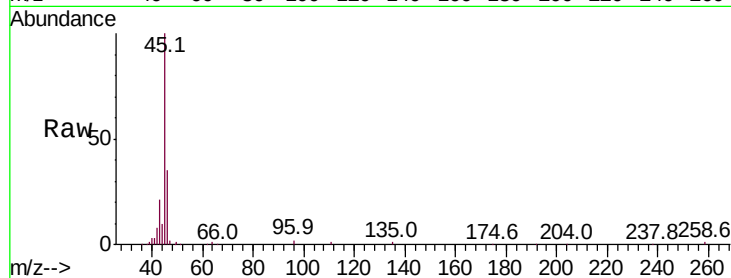
VL0316ABS01

Tot Ion: 45 Resp: 114239

Ion Ratio Lower Upper

45 100

46 37.4 16.0 64.0



#14

Bromoethene

Concen: 10.228 ppbv

RT: 3.70 min Scan# 285

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

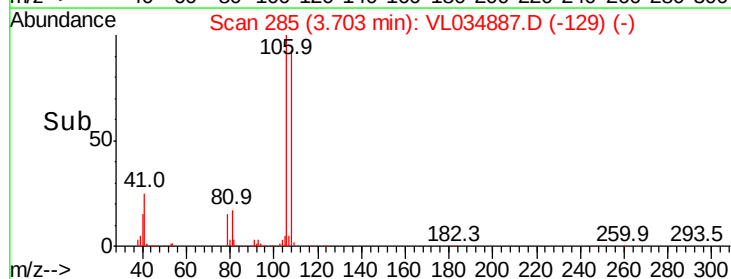
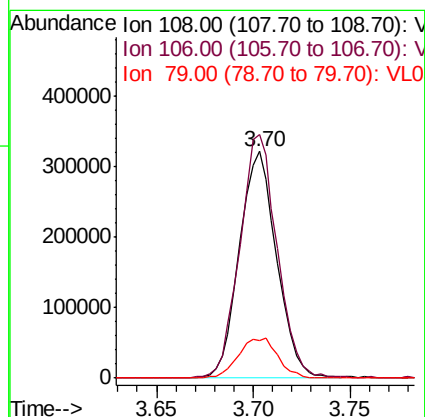
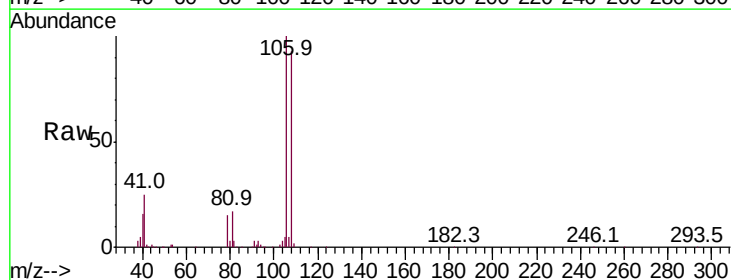
Tgt Ion: 108 Resp: 430202

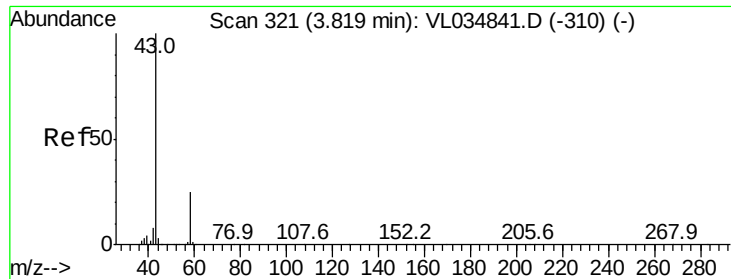
Ion Ratio Lower Upper

108 100

106 108.2 85.1 127.7

79 18.7 14.7 22.1





#15

Acetone

Concen: 9.117 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

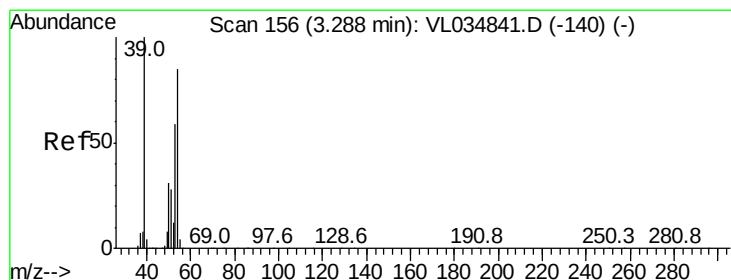
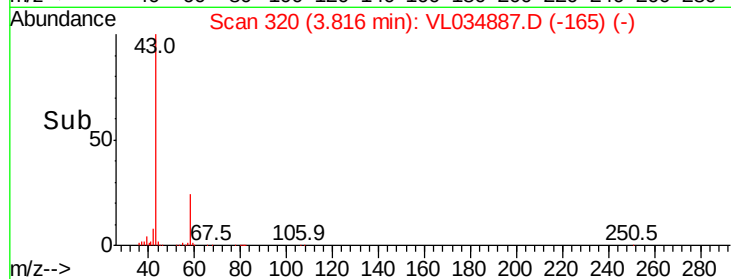
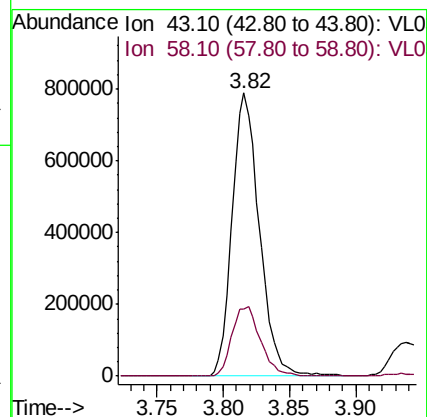
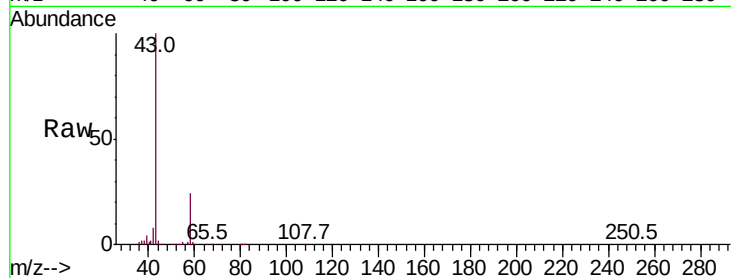
VL0316ABS01

Tot Ion: 43 Resp: 1128687

Ion Ratio Lower Upper

43 100

58 26.0 21.0 31.6



#16

1,3-Butadiene

Concen: 10.081 ppbv

RT: 3.29 min Scan# 155

Delta R.T. -0.00 min

Lab File: VL034887.D

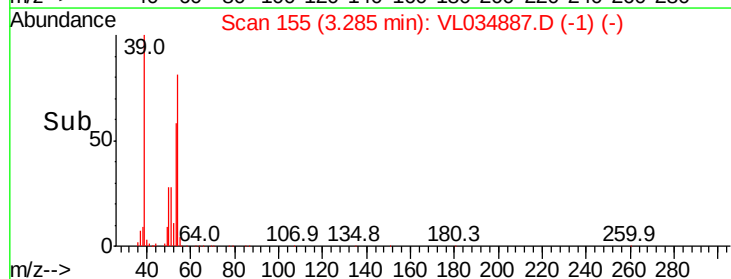
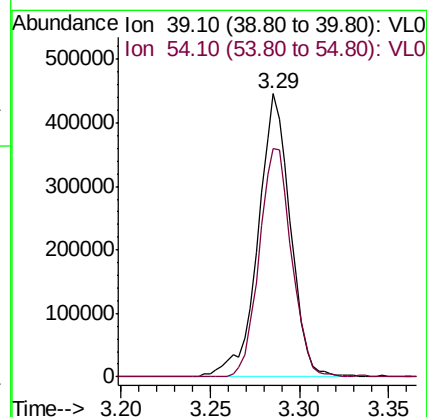
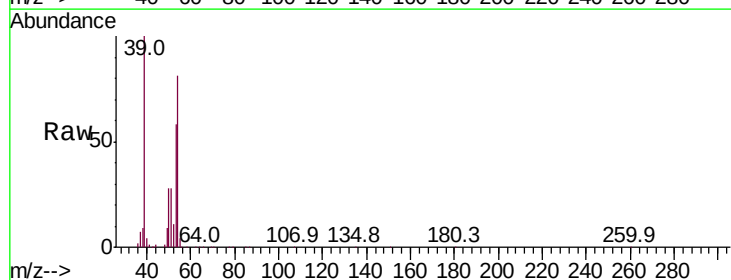
Acq: 16 Mar 2020 12:45

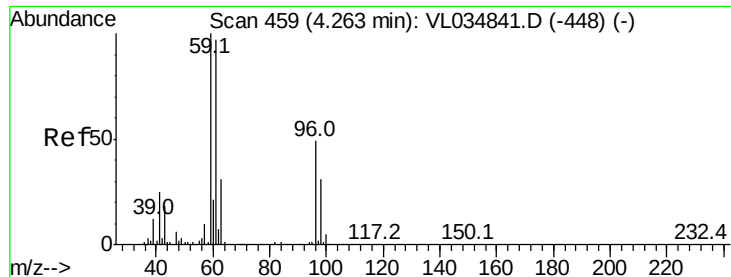
Tgt Ion: 39 Resp: 564369

Ion Ratio Lower Upper

39 100

54 81.6 65.0 97.6



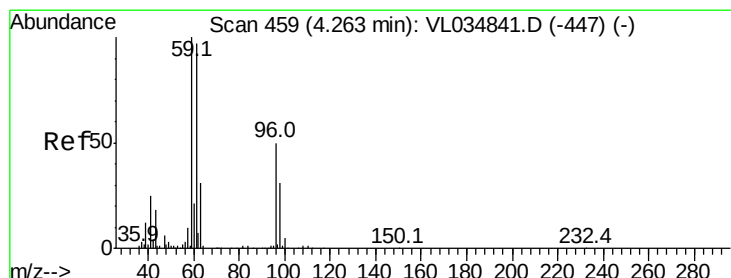
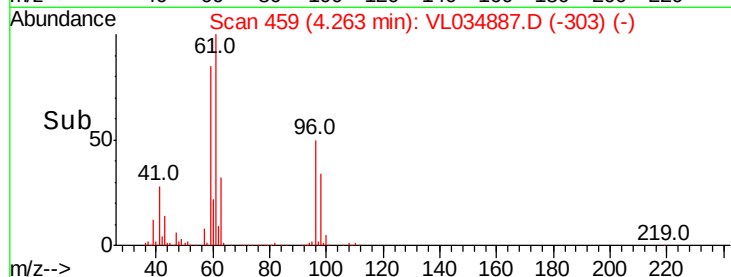
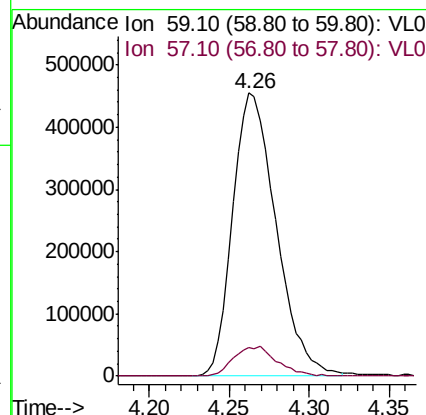
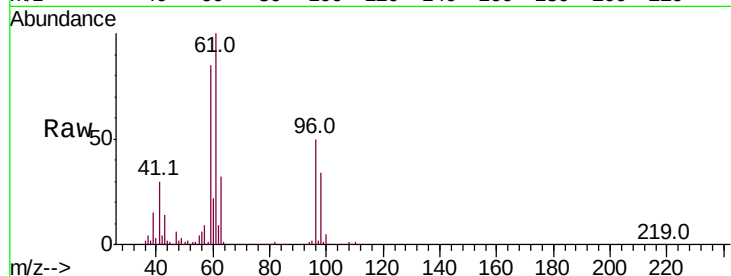


#17

tert-Butyl alcohol
 Concen: 7.067 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

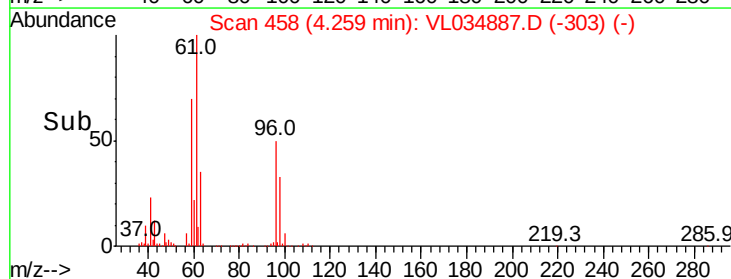
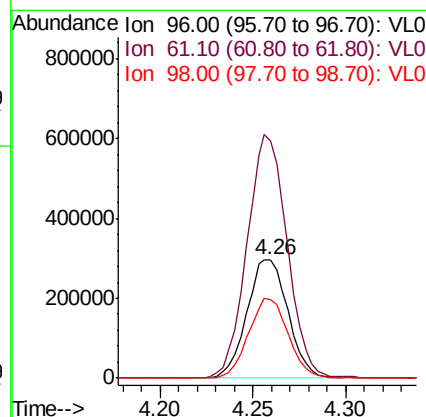
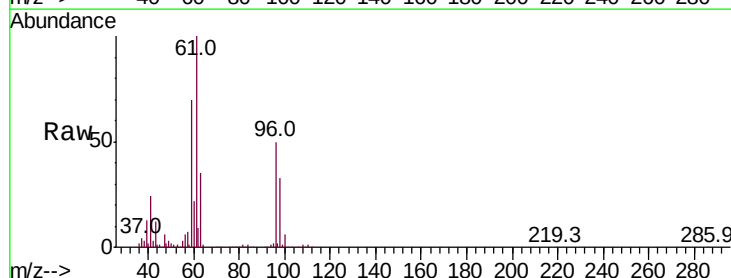
Tot Ion: 59 Resp: 842882
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

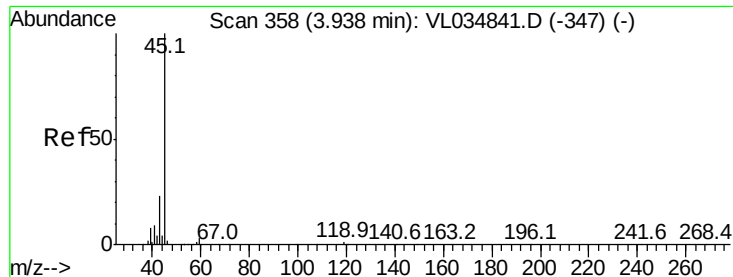


#18

1,1-Dichloroethene
 Concen: 10.603 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion: 96 Resp: 457306
 Ion Ratio Lower Upper
 96 100
 61 200.8 157.3 235.9
 98 66.6 50.2 75.4





#19

Isopropyl Alcohol

Concen: 7.703 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

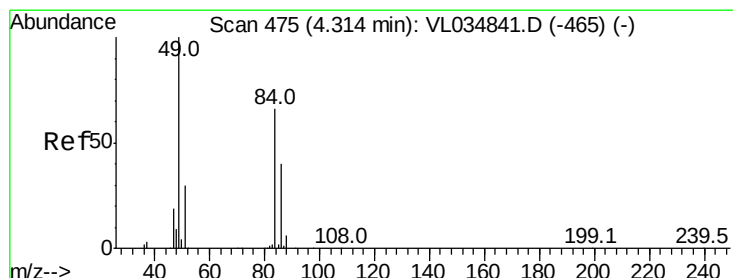
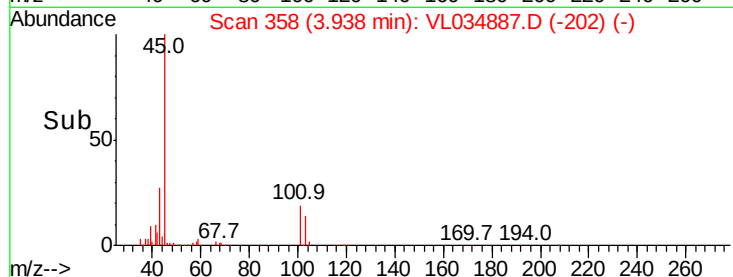
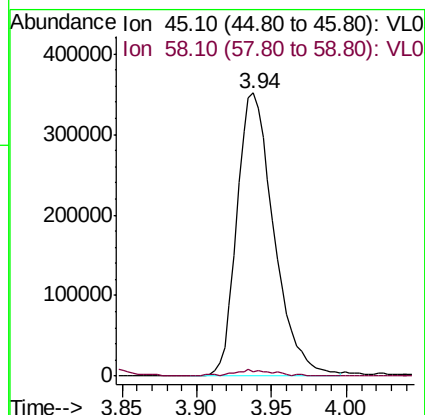
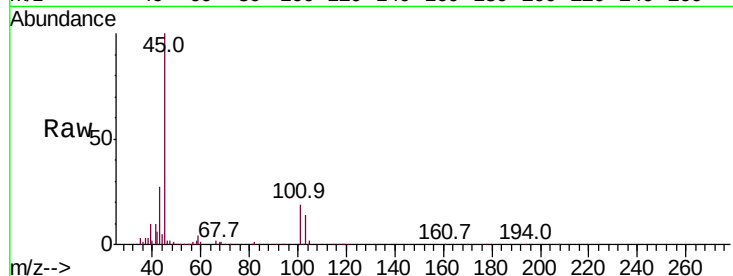
VL0316ABS01

Tot Ion: 45 Resp: 602190

Ion Ratio Lower Upper

45 100

58 2.5 30.5 45.7#



#20

Methylene Chloride

Concen: 10.364 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Tgt Ion: 84 Resp: 405649

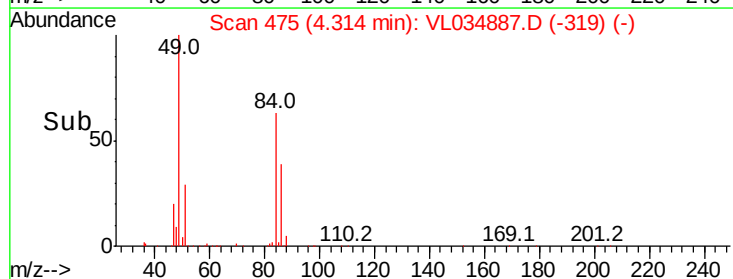
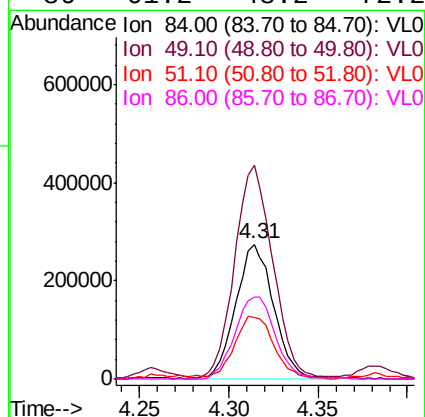
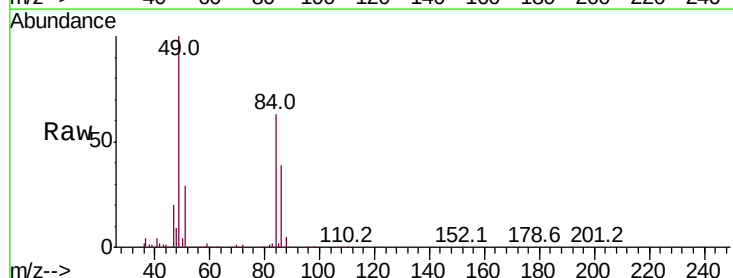
Ion Ratio Lower Upper

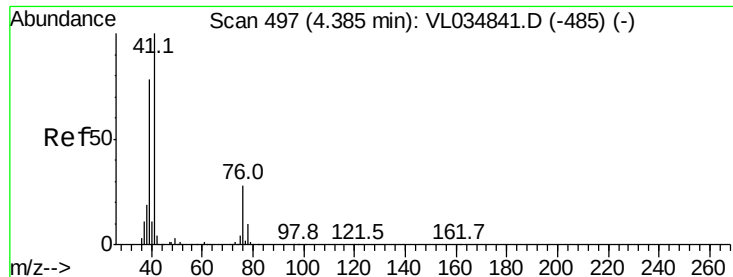
84 100

49 157.8 121.5 182.3

51 45.3 36.6 55.0

86 61.2 48.2 72.2

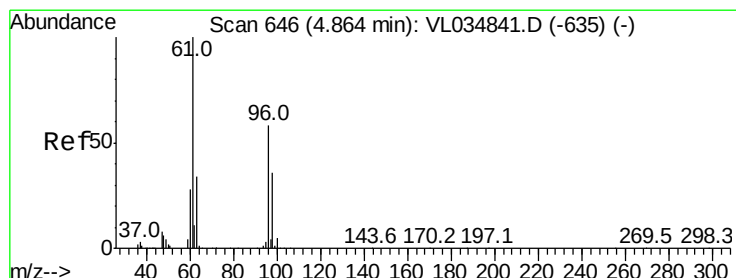
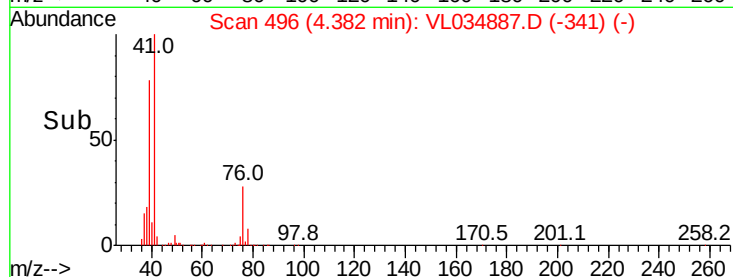
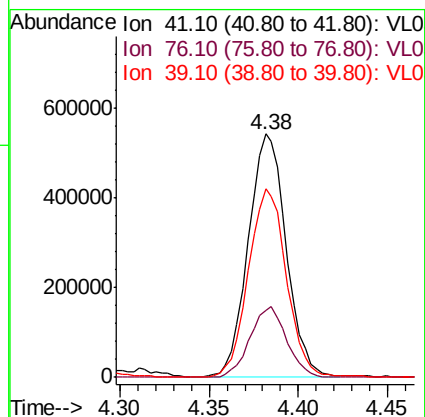
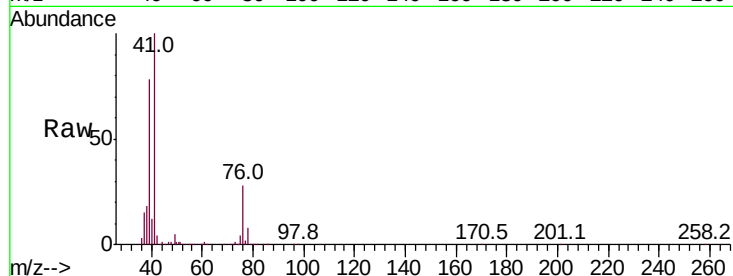




#21
 Allvl Chloride
 Concen: 10.047 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

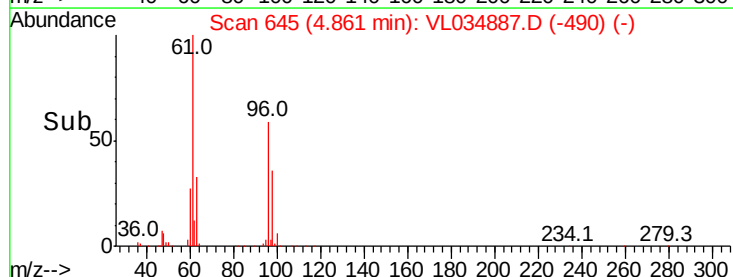
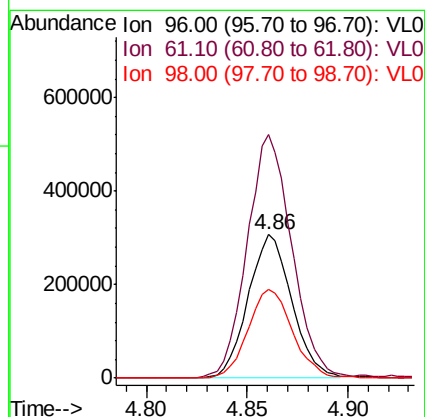
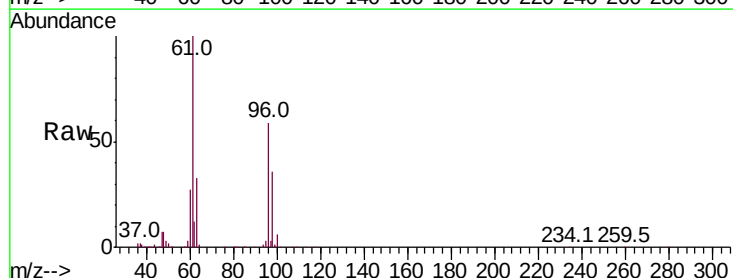
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

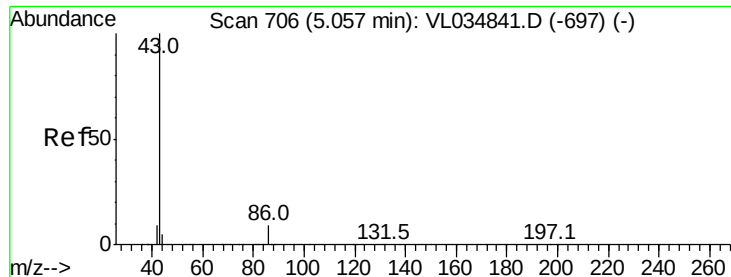
Tot Ion: 41 Resp: 798786
 Ion Ratio Lower Upper
 41 100
 76 28.3 22.2 33.2
 39 78.3 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 10.647 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion: 96 Resp: 465863
 Ion Ratio Lower Upper
 96 100
 61 169.6 139.0 208.6
 98 61.6 50.3 75.5



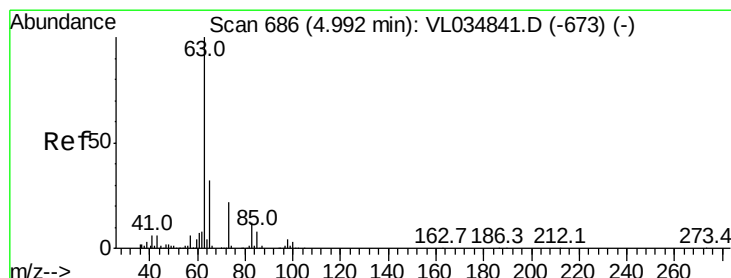
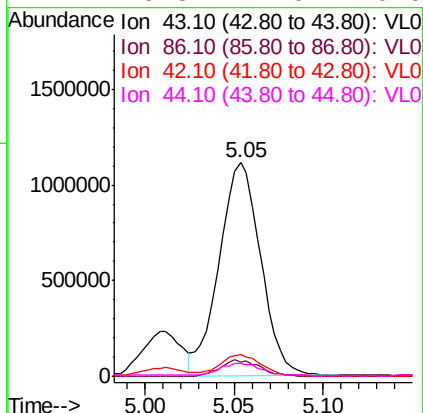
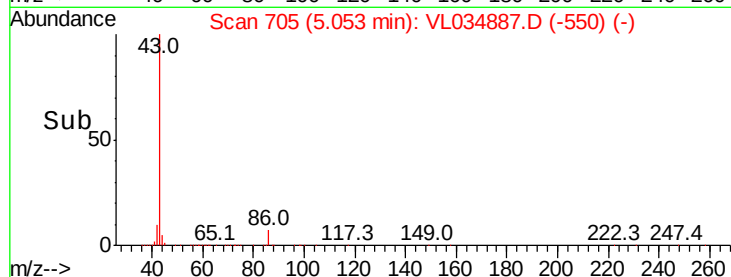
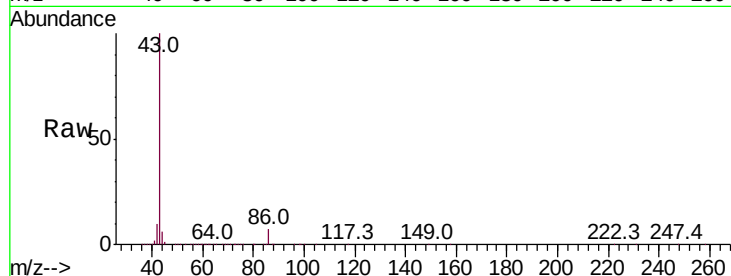


#23
 Vinyl Acetate
 Concen: 9.875 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Tot Ion: 43 Resp: 1805908

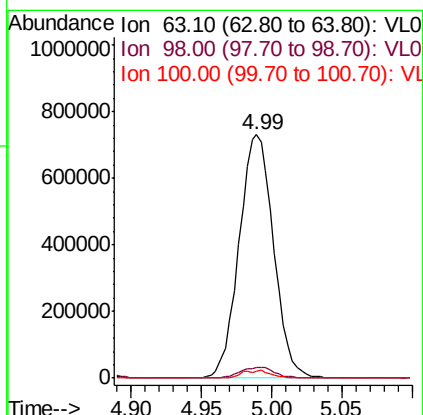
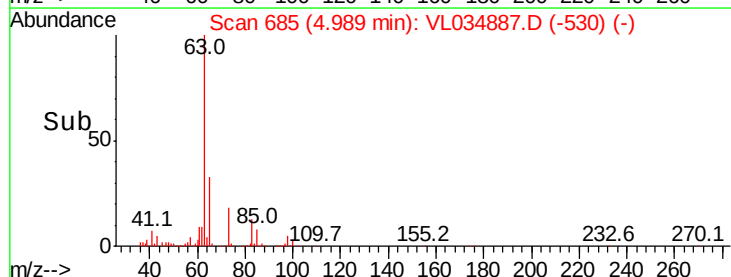
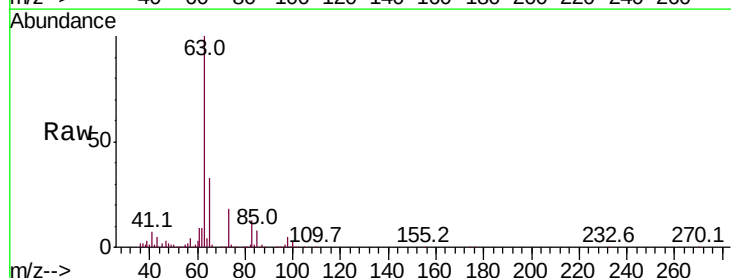
Ion	Ratio	Lower	Upper
43	100		
86	6.6	6.3	9.5
42	10.0	7.8	11.8
44	5.8	4.0	6.0

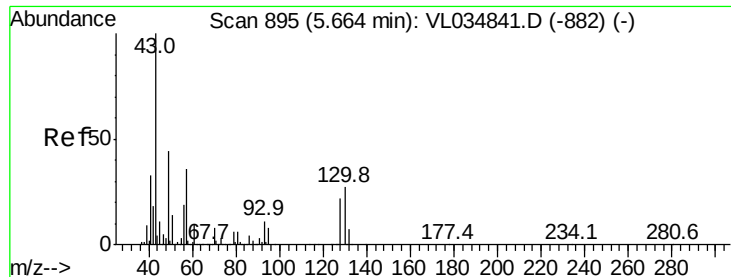


#24
 1,1-Dichloroethane
 Concen: 10.165 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion: 63 Resp: 1246116

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.0	5.8
100	2.8	1.4	4.0





#25

Ethyl Acetate

Concen: 9.918 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

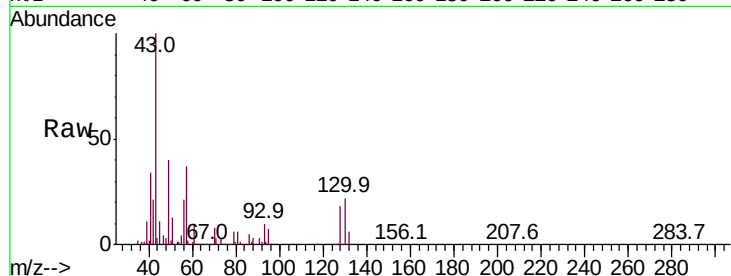
MSVOA_L

ClientSampleId :

VL0316ABS01

Tot Ion: 43 Resp: 2187497

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.8	7.8	11.6
70	7.3	5.8	8.8

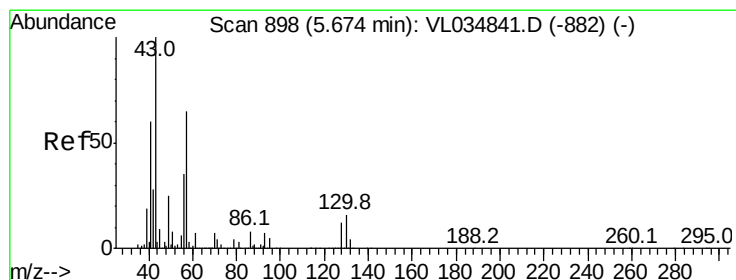
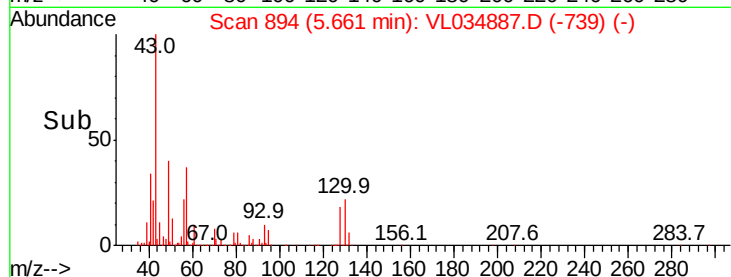
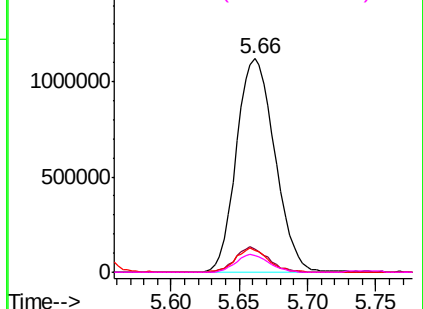


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.267 ppbv

RT: 5.67 min Scan# 896

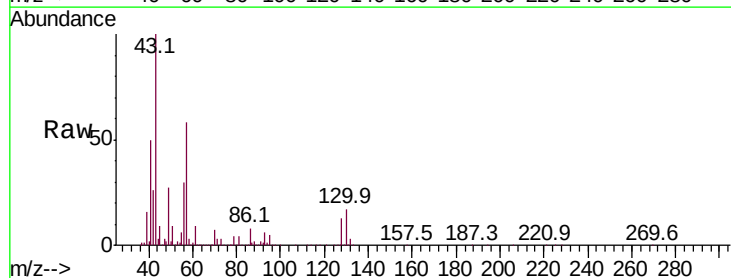
Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Tgt Ion: 57 Resp: 975124

Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.6	109.0
43	225.5	183.8	275.6
56	53.1	41.9	62.9

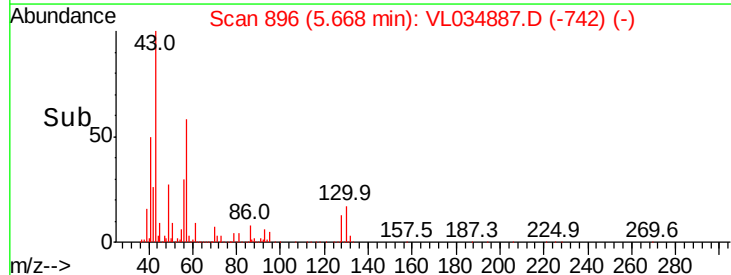
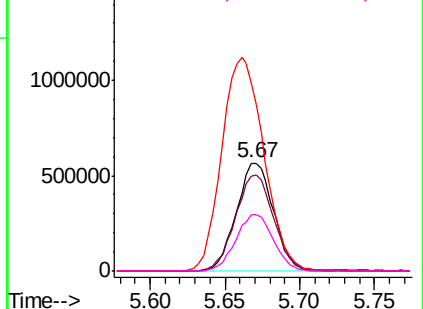


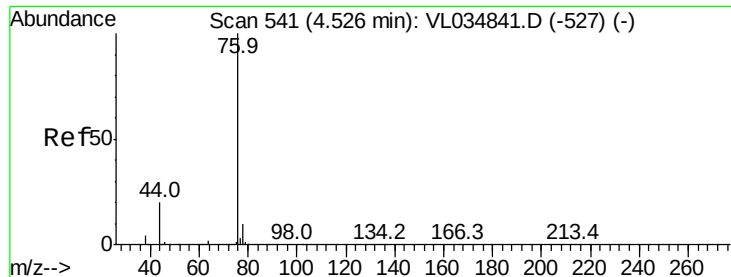
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.802 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

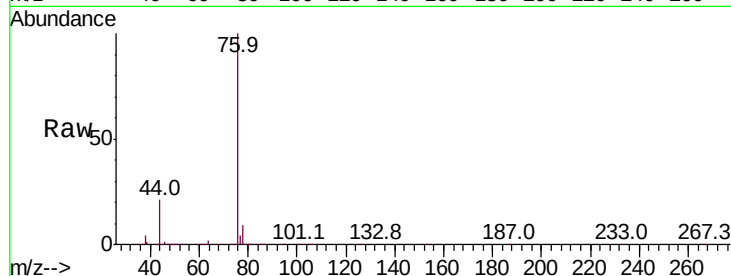
Tot Ion: 76 Resp: 1164112

Ion Ratio Lower Upper

76 100

44 20.0 16.2 24.2

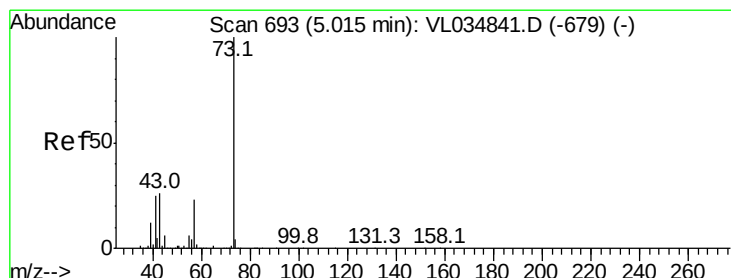
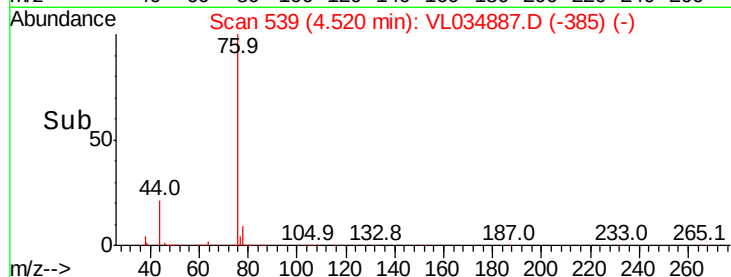
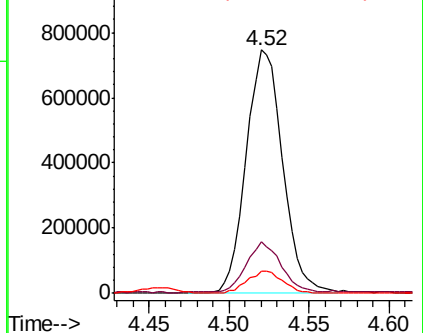
78 9.4 7.8 11.6



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: 9.552 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034887.D

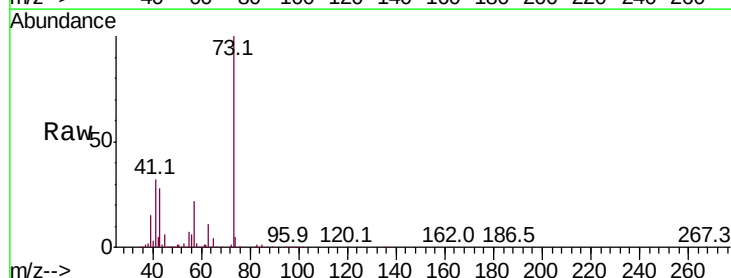
Acq: 16 Mar 2020 12:45

Tgt Ion: 73 Resp: 1509359

Ion Ratio Lower Upper

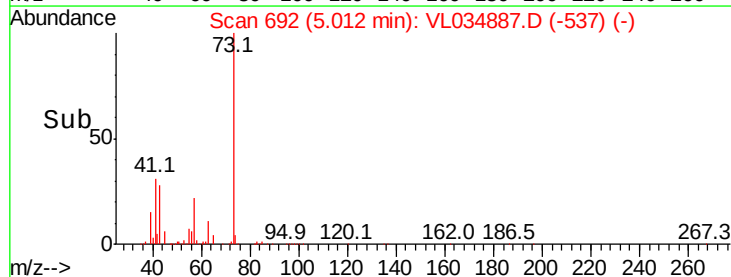
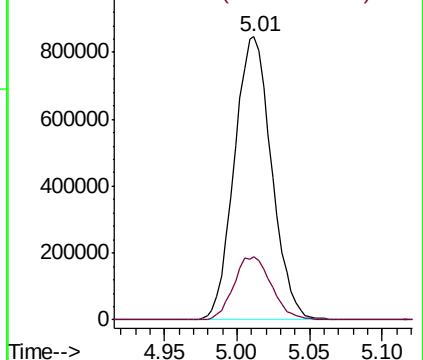
73 100

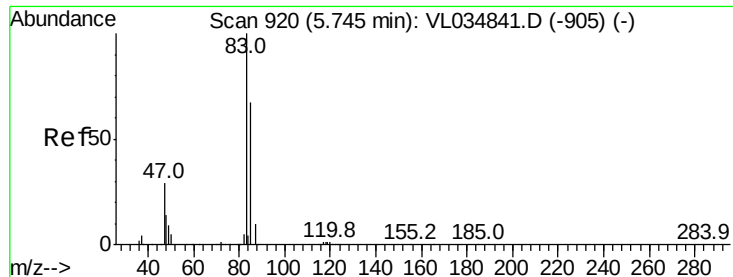
57 22.8 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

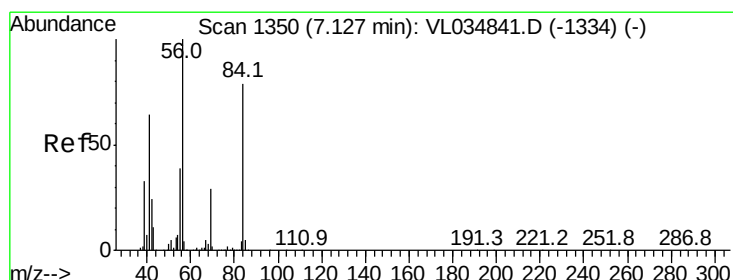
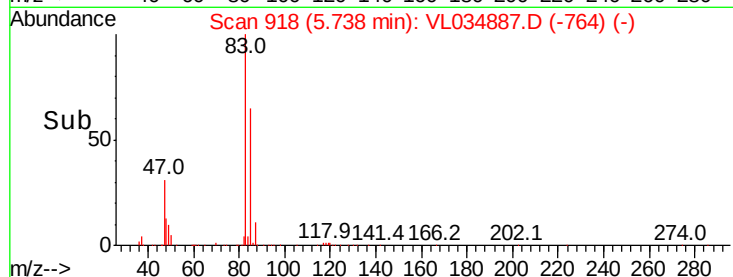
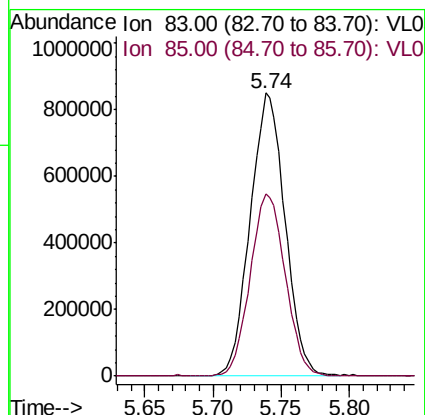
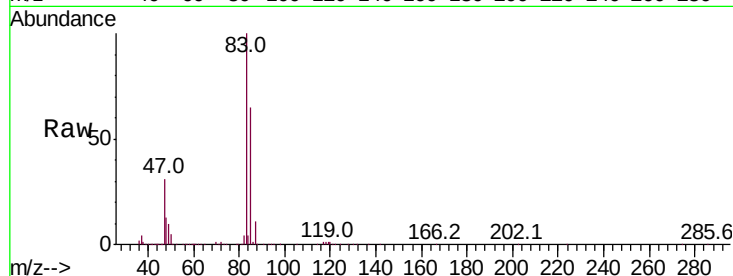




#29
Chloroform
Concen: 10.409 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

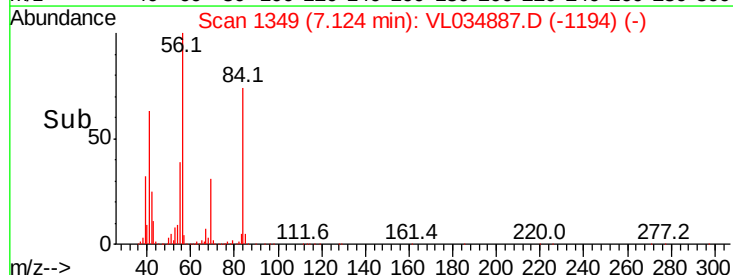
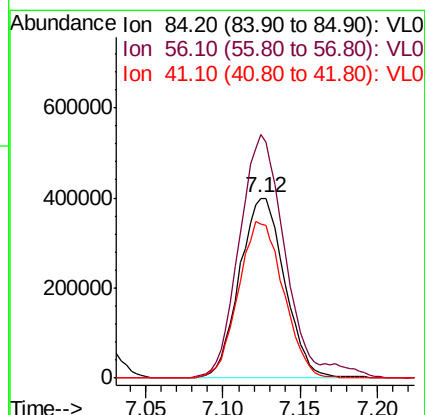
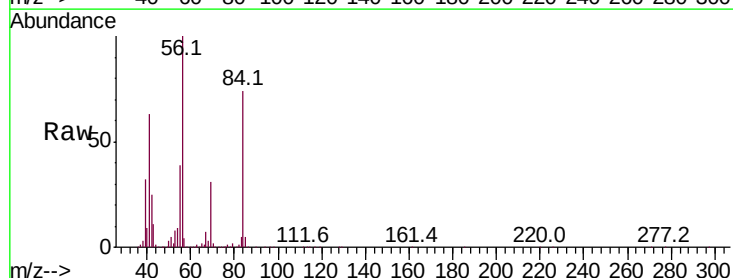
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

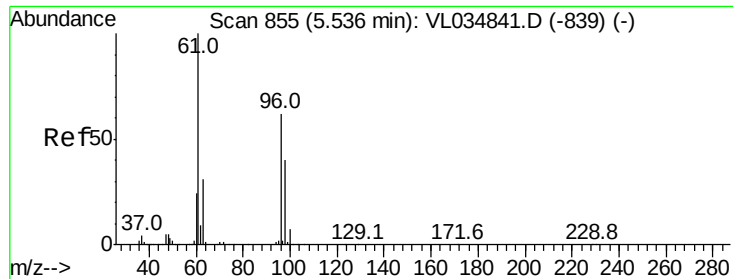
Tot Ion: 83 Resp: 1508334
Ion Ratio Lower Upper
83 100
85 64.4 53.8 80.6



#30
Cyclohexane
Concen: 10.186 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 84 Resp: 807200
Ion Ratio Lower Upper
84 100
56 139.6 110.5 165.7
41 87.5 68.2 102.4



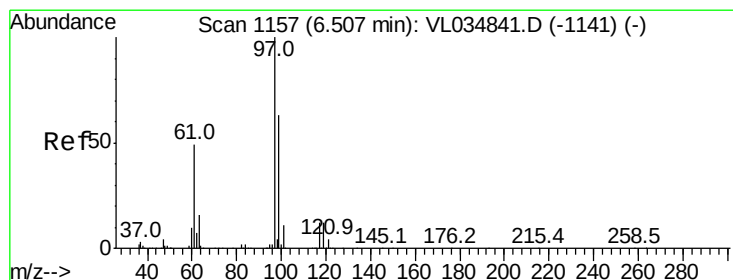
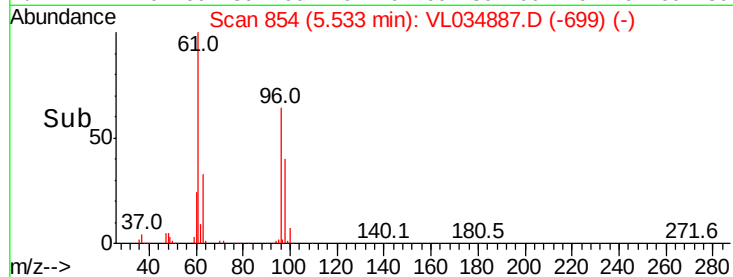
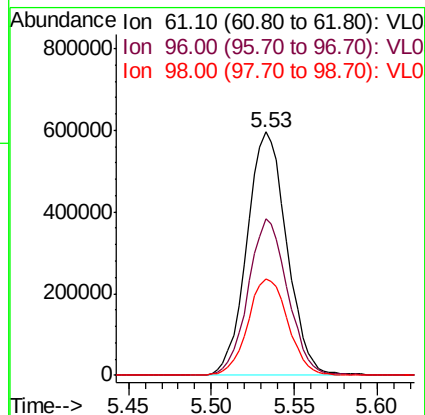
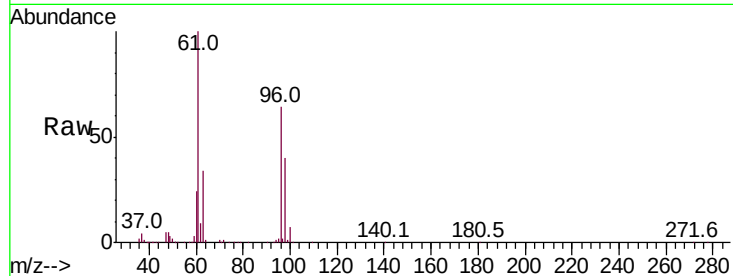


#31

cis-1,2-Dichloroethene
 Concen: 10.225 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

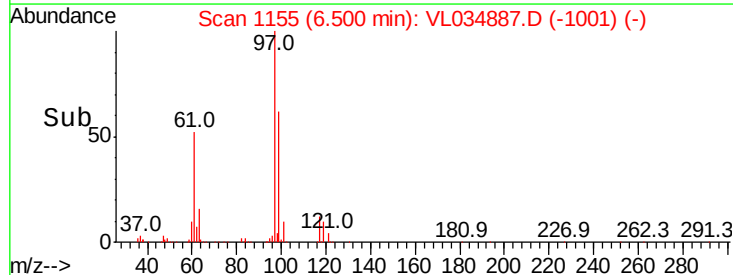
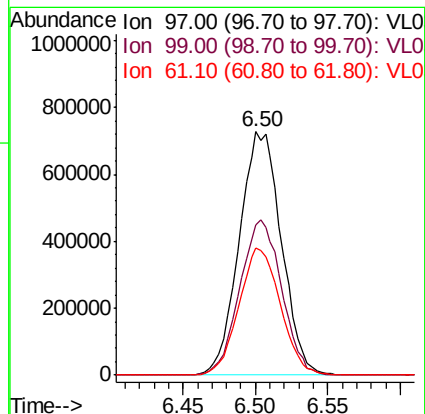
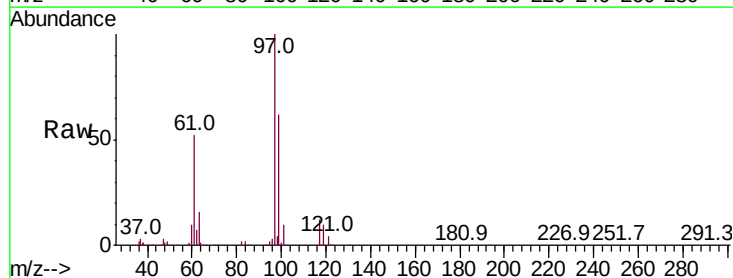
Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	49.8	74.8
98	39.8	32.2	48.4

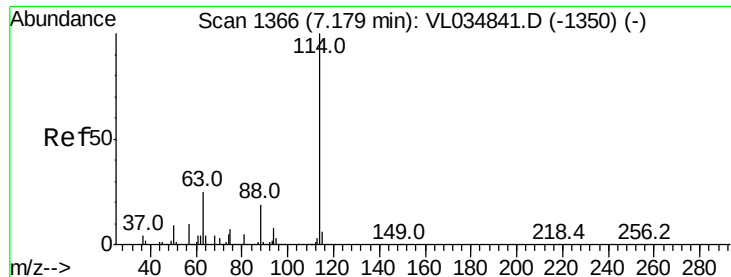


#32

1,1,1-Trichloroethane
 Concen: 10.416 ppbv
 RT: 6.50 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	51.6	39.7	59.5

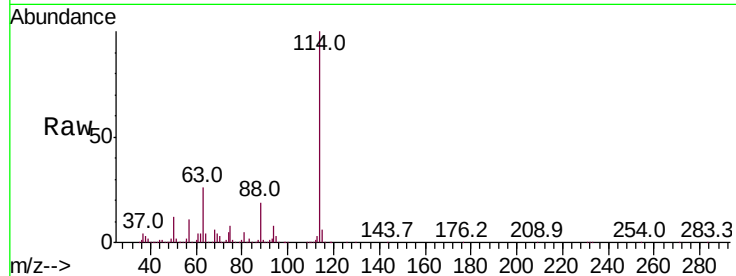




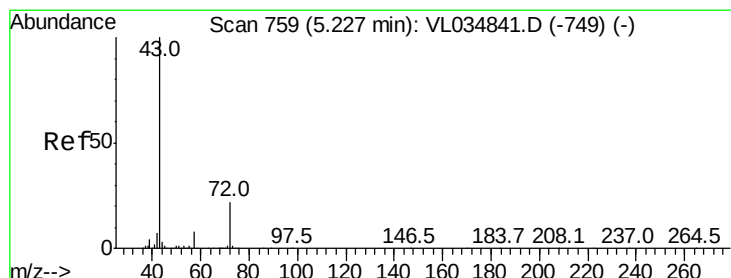
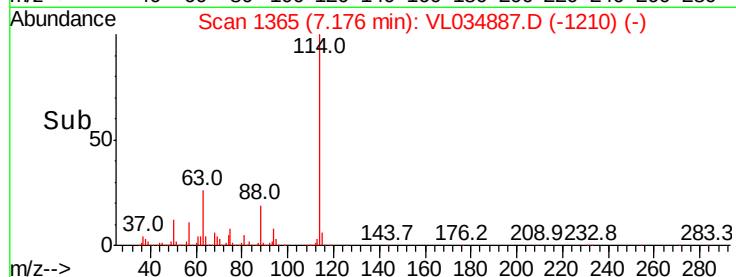
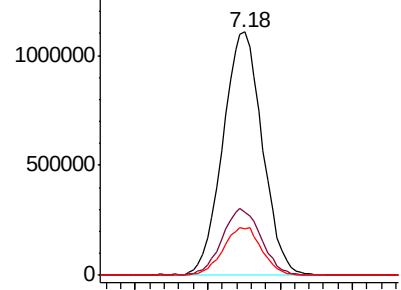
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Tot Ion:114 Resp: 2096990
 Ion Ratio Lower Upper
 114 100
 63 27.7 20.6 31.0
 88 19.5 15.0 22.6

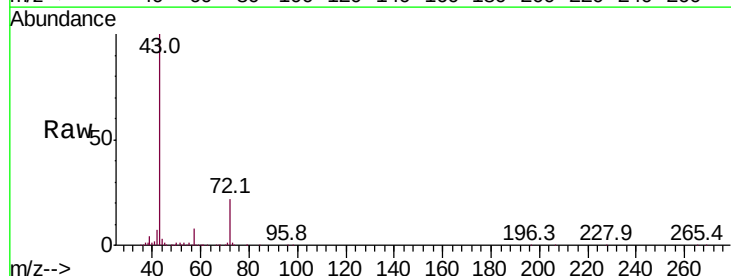


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

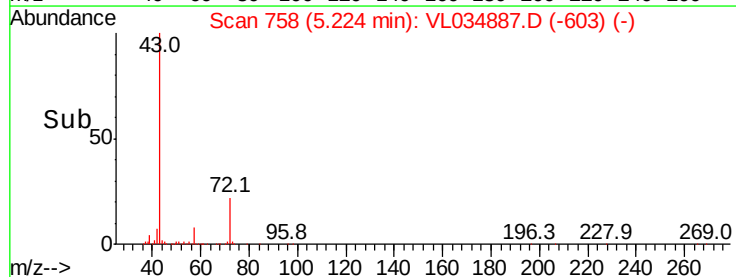
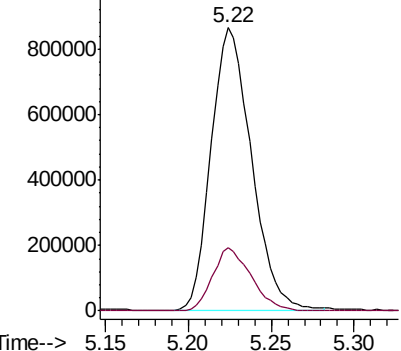


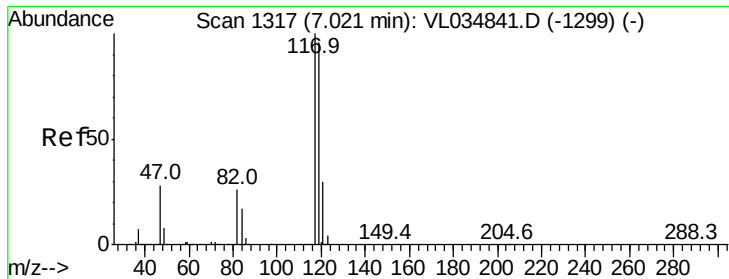
#34
 2-Butanone
 Concen: 10.533 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion: 43 Resp: 1467891
 Ion Ratio Lower Upper
 43 100
 72 21.6 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: 11.421 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

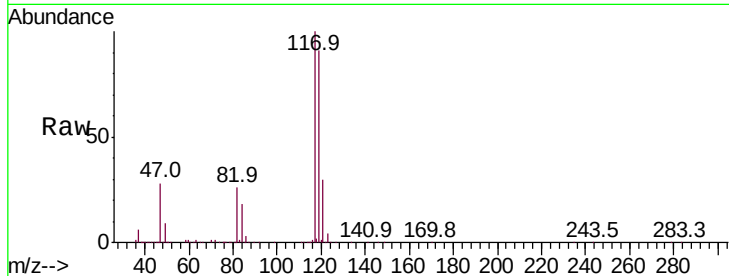
Tot Ion:117 Resp: 1489576

Ion Ratio Lower Upper

117 100

119 91.5 77.0 115.4

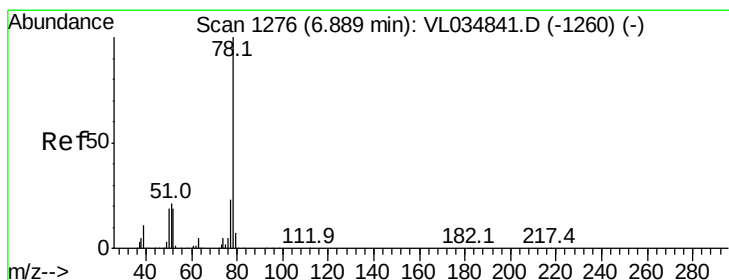
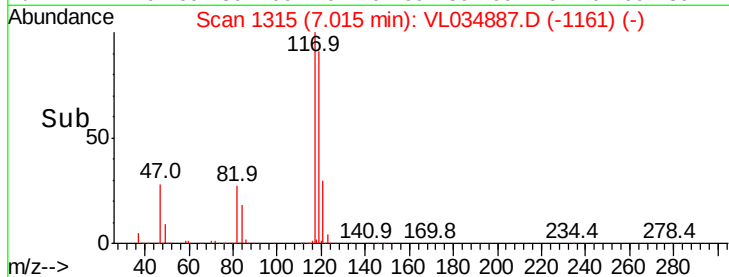
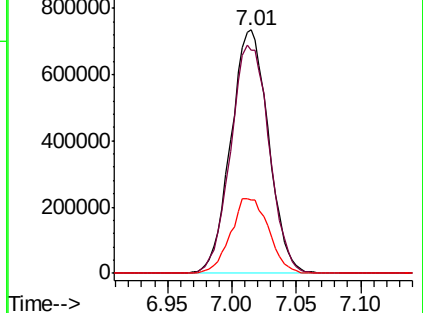
121 30.1 24.0 36.0



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: 10.505 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

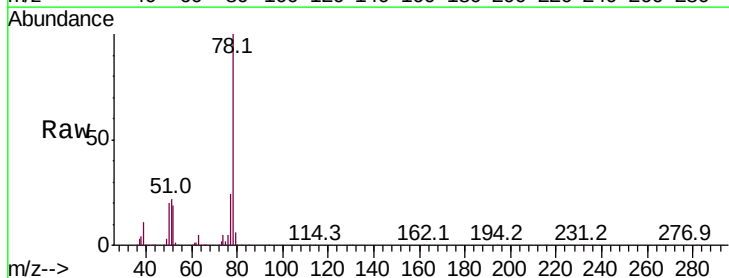
Tgt Ion: 78 Resp: 1963515

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.2

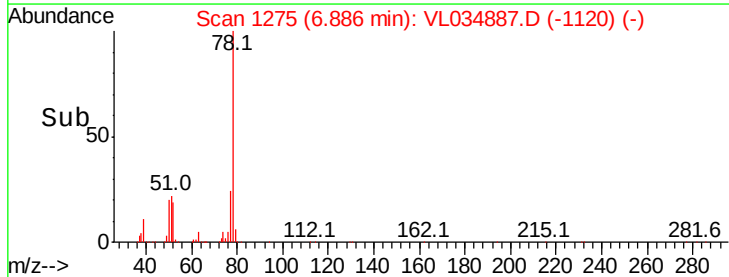
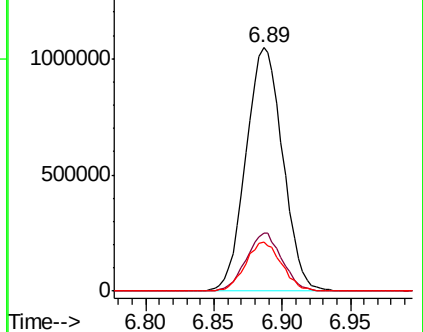
50 20.3 15.2 22.8

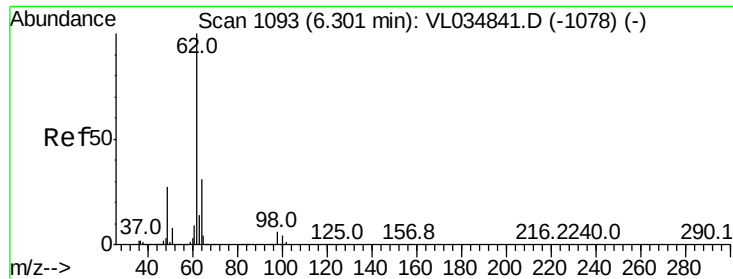


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

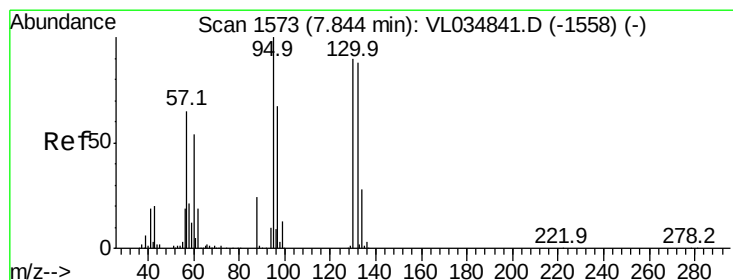
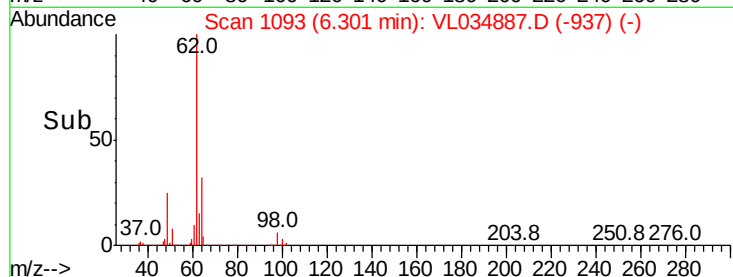
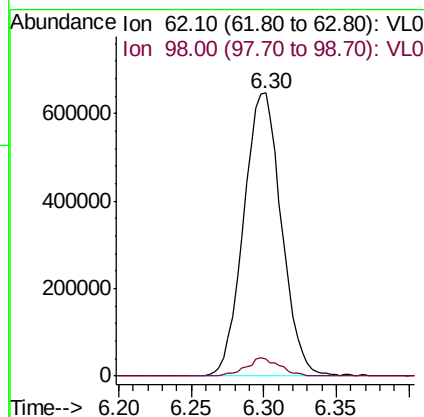
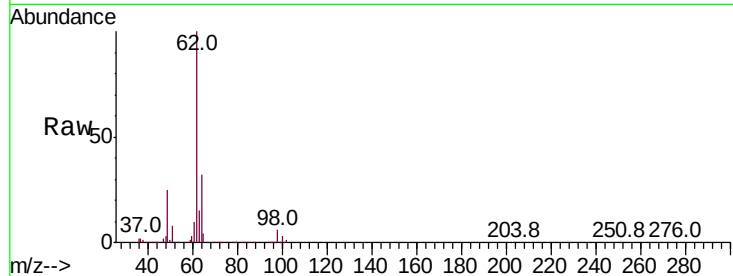




#37
 1,2-Dichloroethane
 Concen: 11.148 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

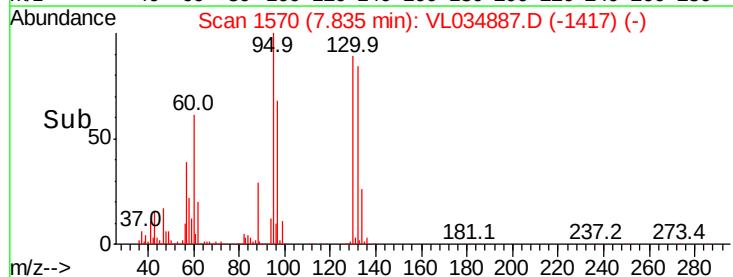
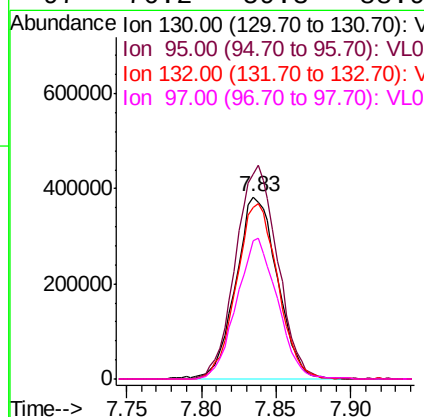
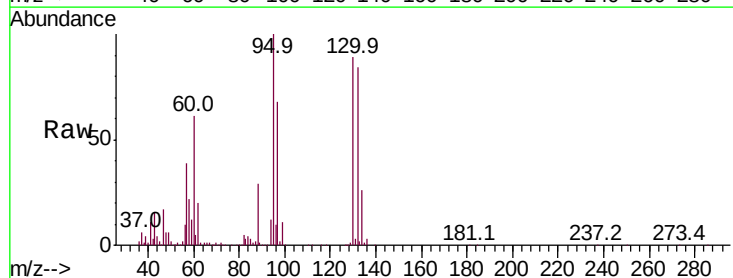
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

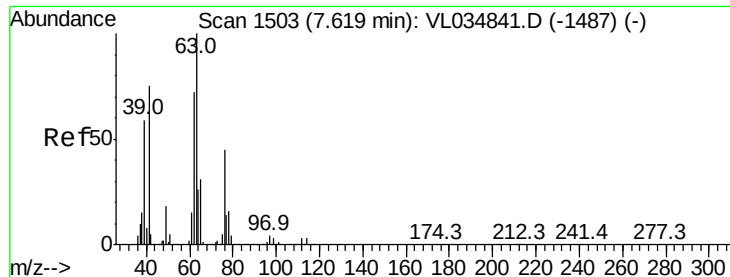
Tot Ion: 62 Resp: 1174895
 Ion Ratio Lower Upper
 62 100
 98 5.9 5.2 7.8



#38
 Trichloroethene
 Concen: 10.362 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion:130 Resp: 735599
 Ion Ratio Lower Upper
 130 100
 95 112.7 88.5 132.7
 132 94.8 78.0 117.0
 97 76.2 59.3 88.9





#39

1,2-Dichloropropane

Concen: 10.522 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

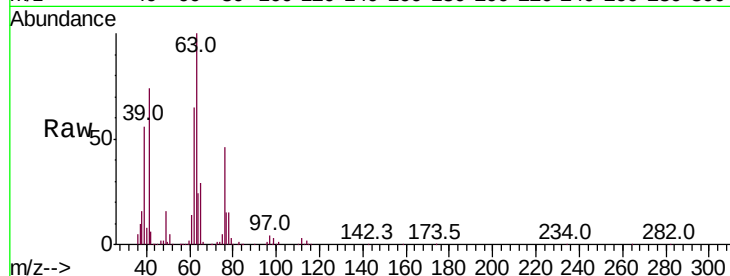
Tot Ion: 63 Resp: 779218

Ion Ratio Lower Upper

63 100

41 74.0 59.8 89.8

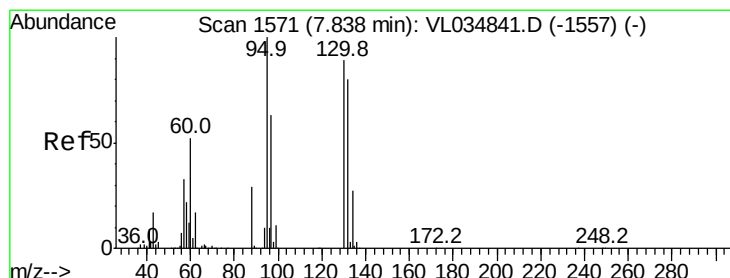
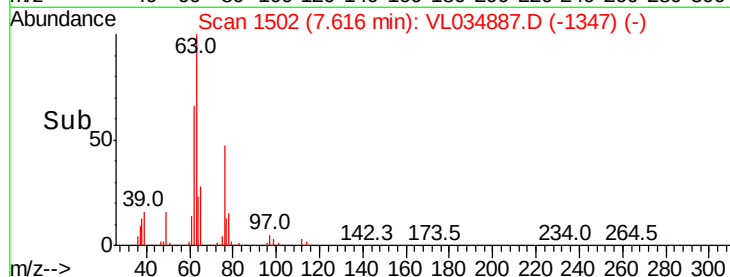
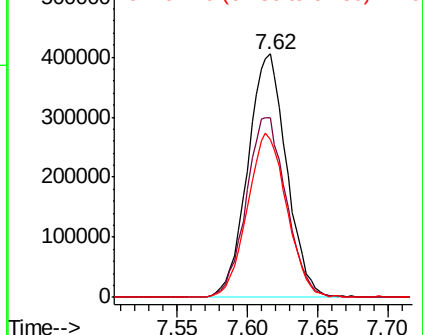
62 65.0 57.6 86.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.232 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Tgt Ion: 88 Resp: 258199

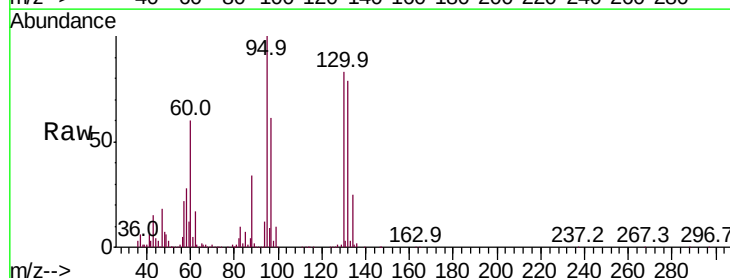
Ion Ratio Lower Upper

88 100

58 138.5 103.9 155.9

43 298.2 0.0 0.0#

57 1318.4 0.0 0.0#

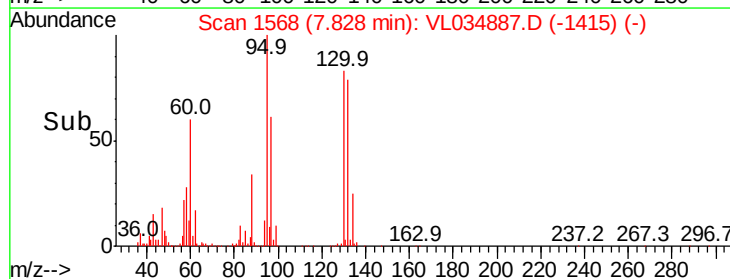
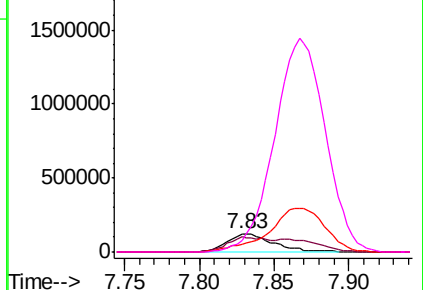


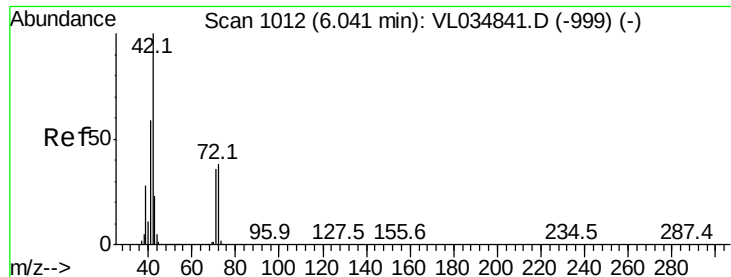
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.838 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

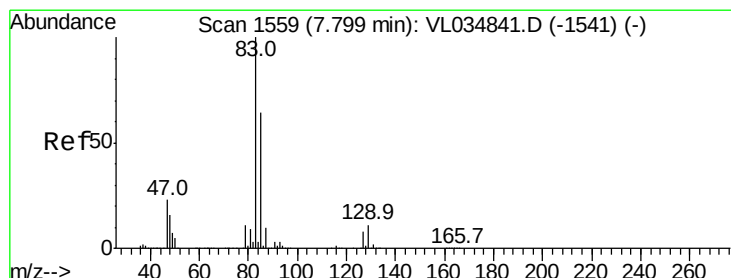
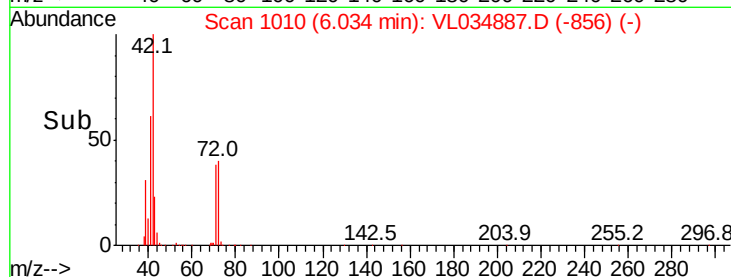
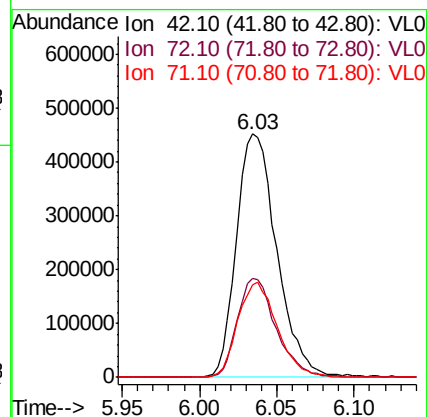
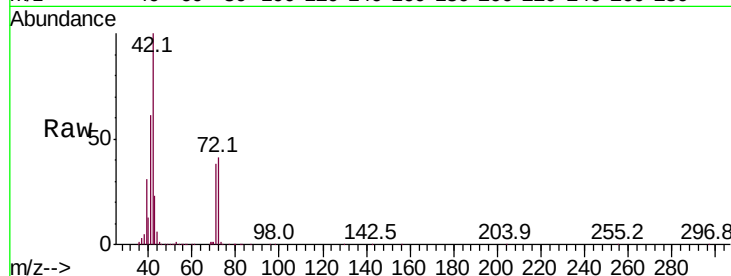
Tot Ion: 42 Resp: 817203

Ion Ratio Lower Upper

42 100

72 39.2 30.8 46.2

71 38.4 30.1 45.1



#42

Bromodichloromethane

Concen: 11.164 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

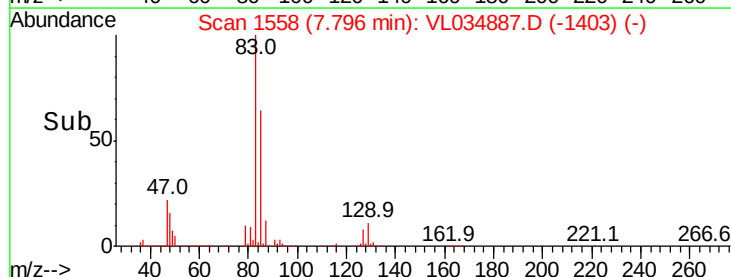
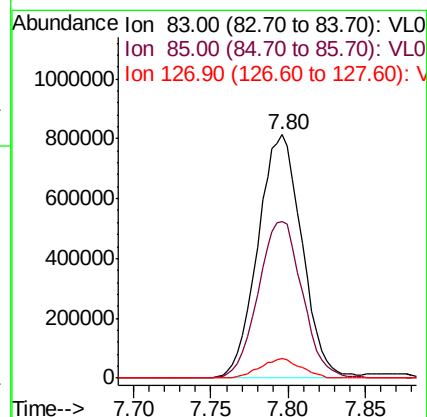
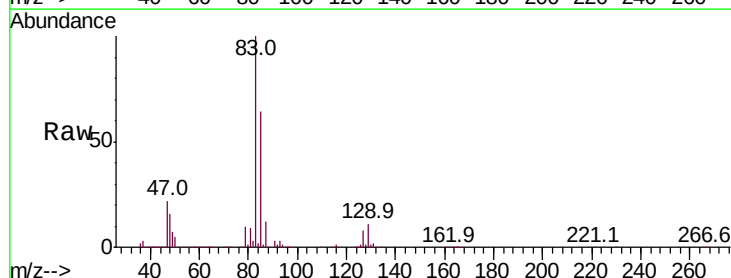
Tgt Ion: 83 Resp: 1603556

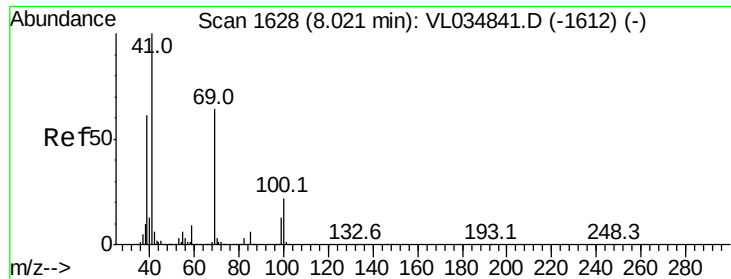
Ion Ratio Lower Upper

83 100

85 64.1 51.4 77.2

127 8.1 6.2 9.4





#43

Methyl Methacrylate

Concen: 11.295 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. -0.00 min

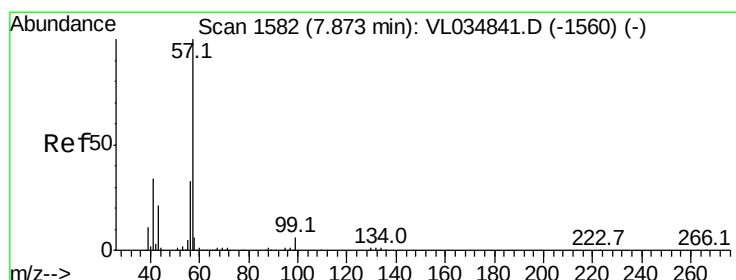
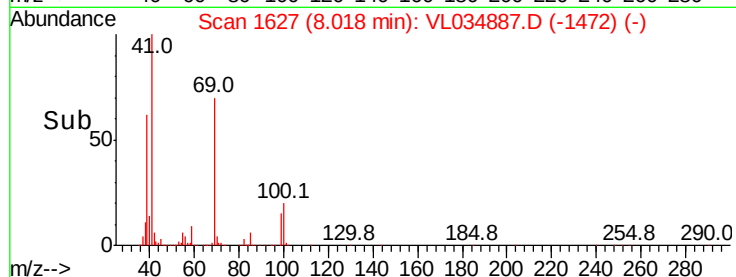
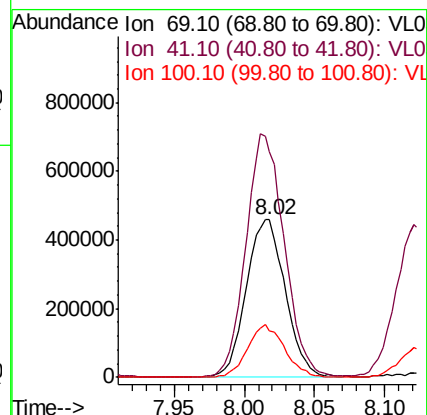
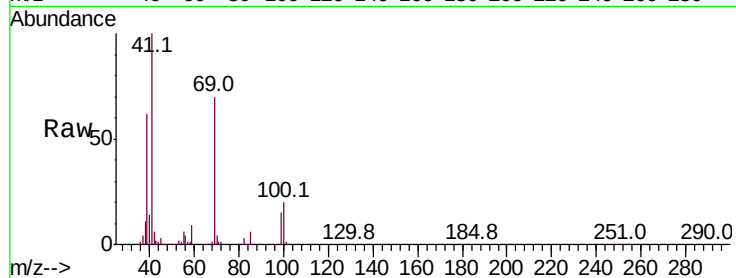
Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

Tot Ion: 69 Resp: 889421

Ion	Ratio	Lower	Upper
69	100		
41	152.5	123.2	184.8
100	31.8	26.9	40.3



#44

2,2,4-Trimethylpentane

Concen: 10.766 ppbv

RT: 7.87 min Scan# 1580

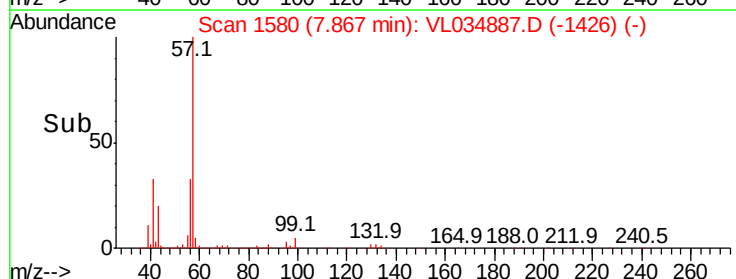
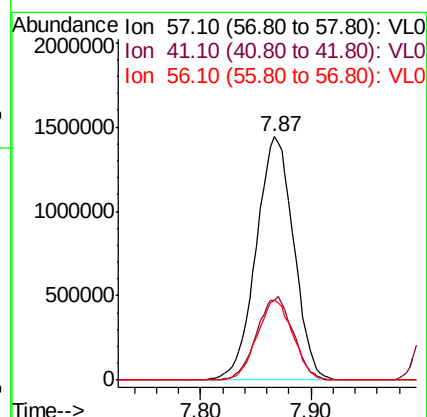
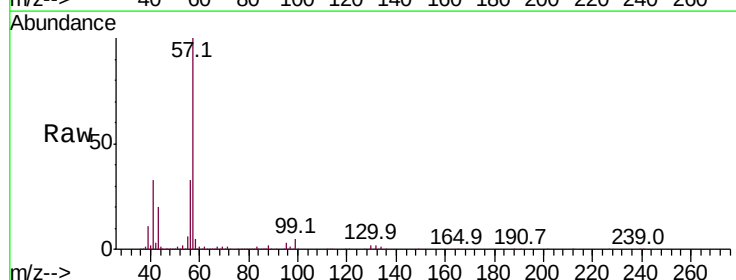
Delta R.T. -0.01 min

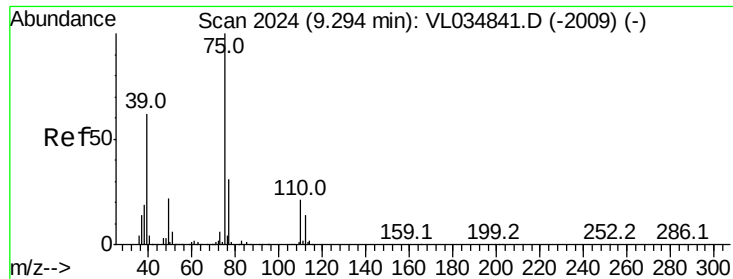
Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Tgt Ion: 57 Resp: 3400439

Ion	Ratio	Lower	Upper
57	100		
41	33.6	26.2	39.4
56	31.5	25.0	37.4

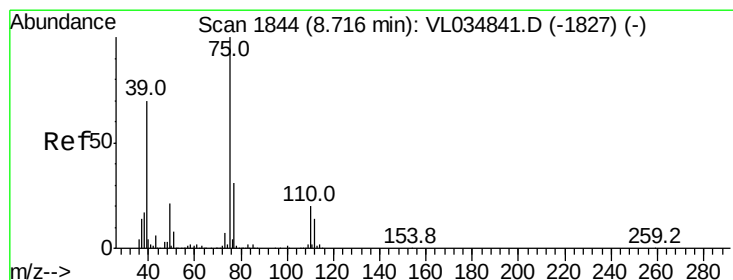
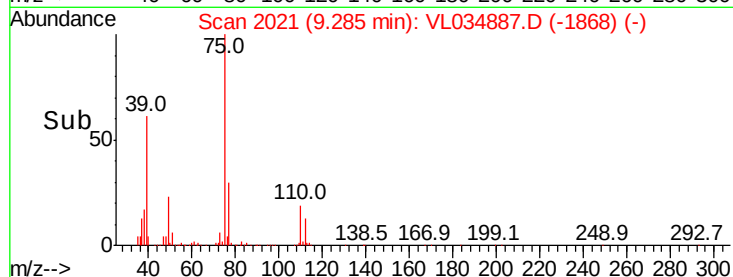
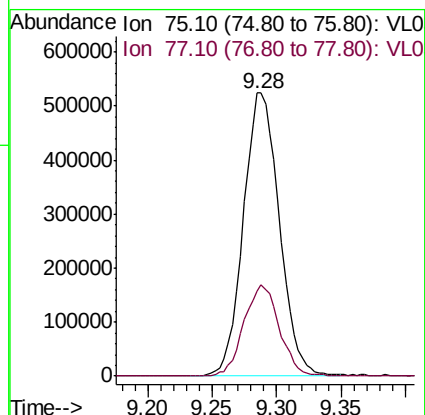
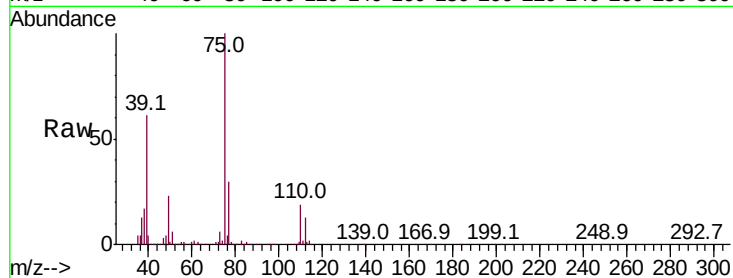




#45
t-1,3-Dichloropropene
Concen: 10.982 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

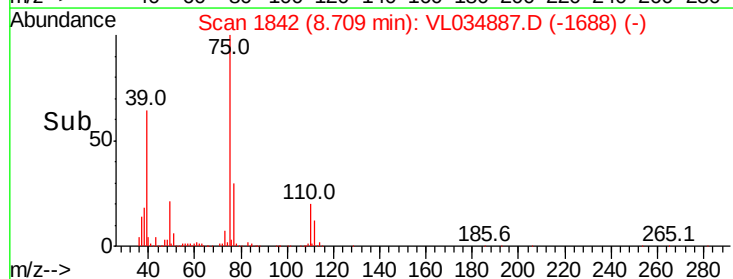
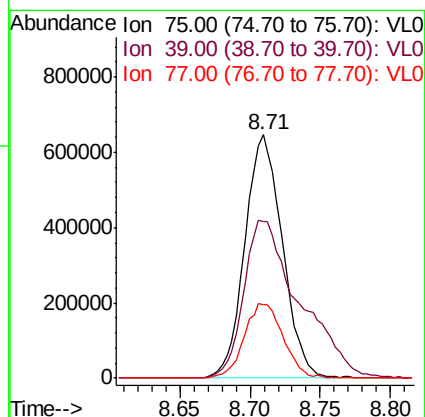
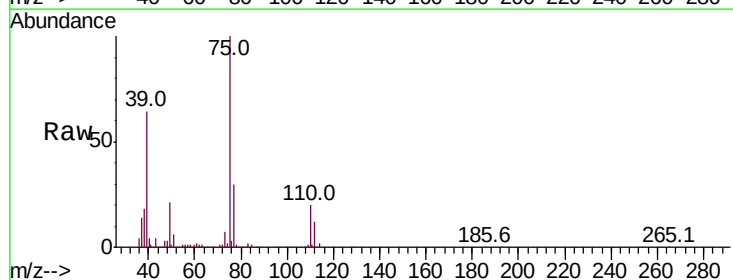
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

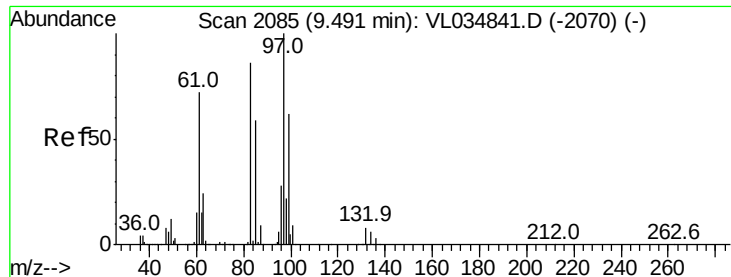
Tot Ion: 75 Resp: 1016052
Ion Ratio Lower Upper
75 100
77 30.0 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.974 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 75 Resp: 1206451
Ion Ratio Lower Upper
75 100
39 64.1 55.7 83.5
77 30.1 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 10.872 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

Tot Ion: 97 Resp: 826279

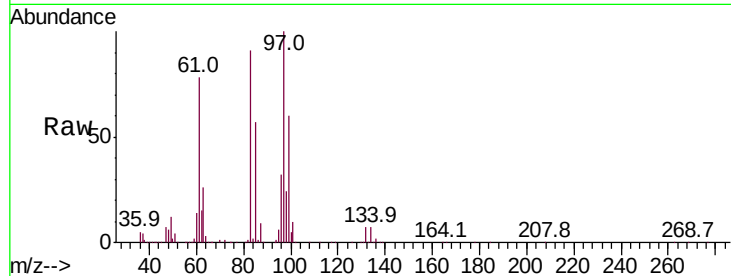
Ion Ratio Lower Upper

97 100

83 91.1 68.6 102.8

85 57.1 46.9 70.3

99 60.2 49.9 74.9

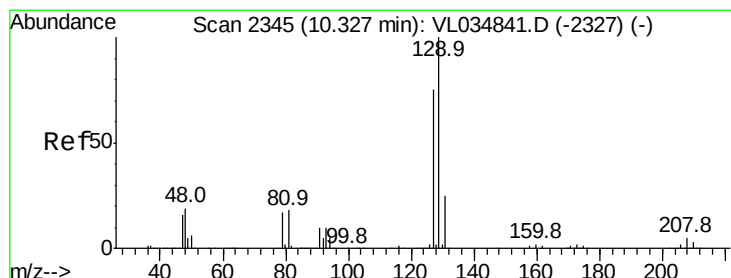
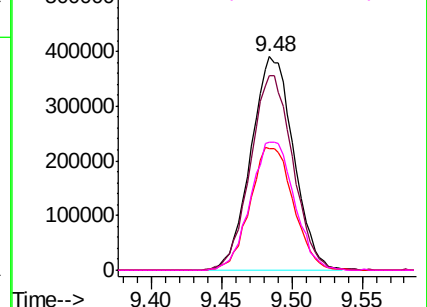
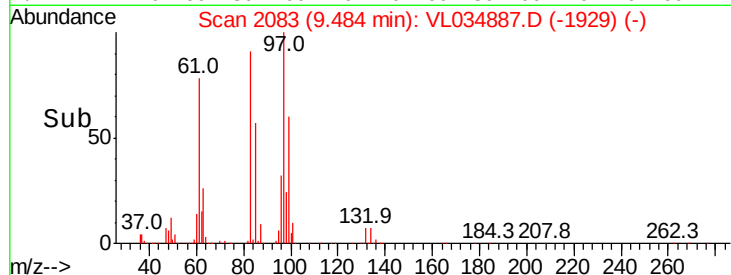


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.883 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL034887.D

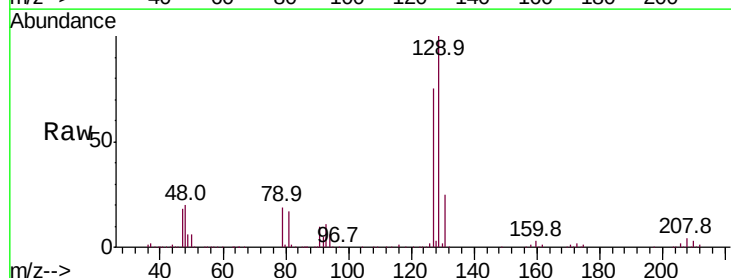
Acq: 16 Mar 2020 12:45

Tgt Ion: 129 Resp: 1339491

Ion Ratio Lower Upper

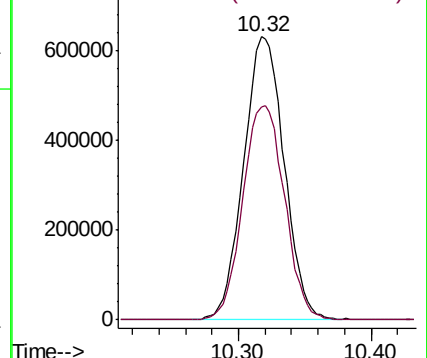
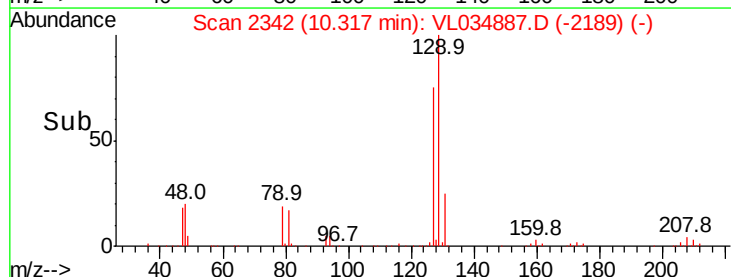
129 100

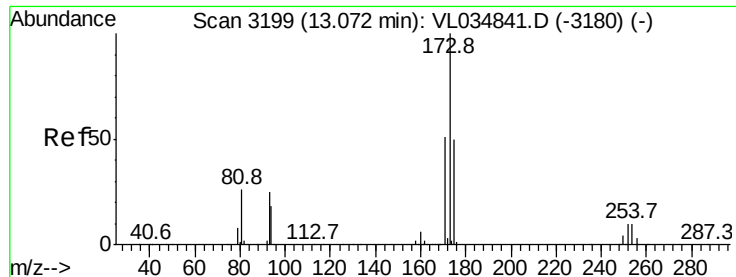
127 78.3 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.978 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

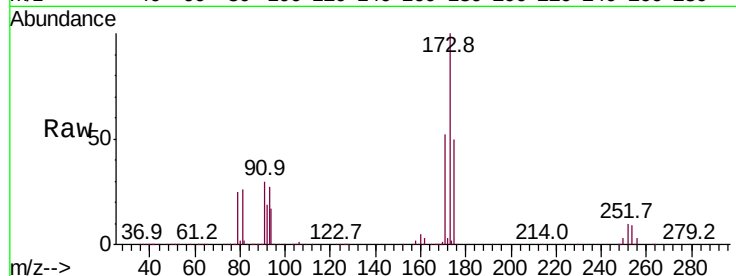
Tot Ion:173 Resp: 1204745

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

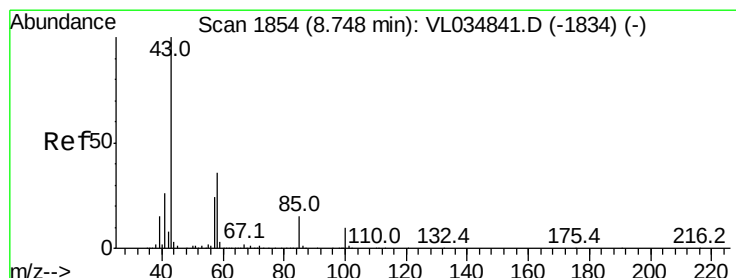
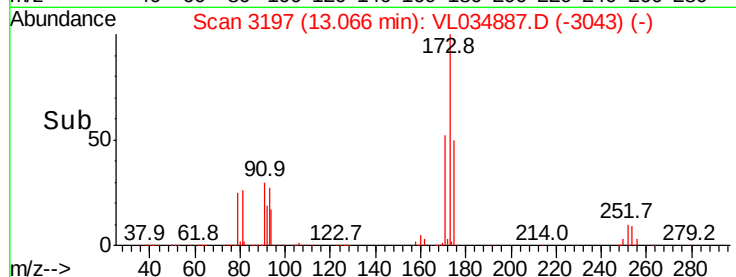
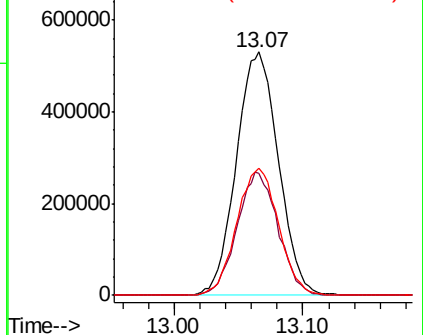
171 52.1 41.0 61.6



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: 11.021 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL034887.D

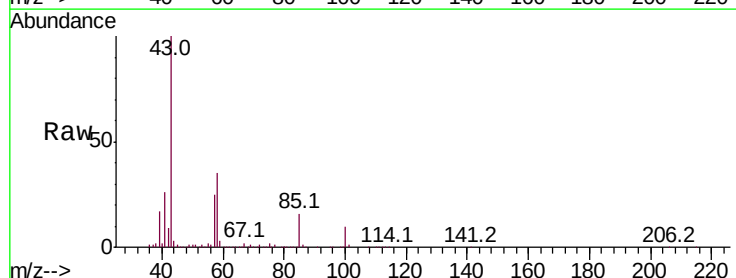
Acq: 16 Mar 2020 12:45

Tgt Ion: 43 Resp: 2210769

Ion Ratio Lower Upper

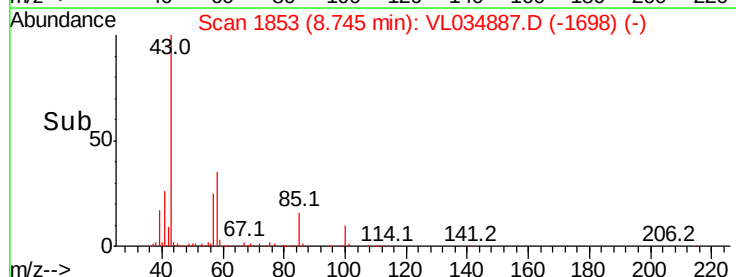
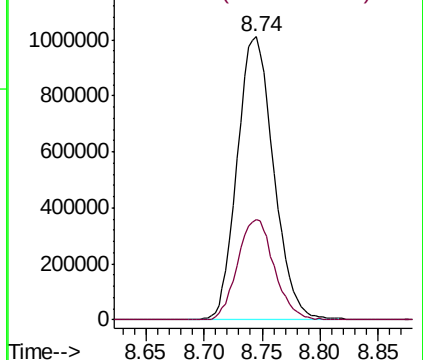
43 100

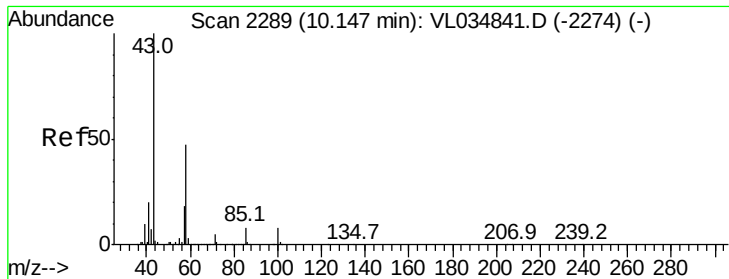
58 35.8 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

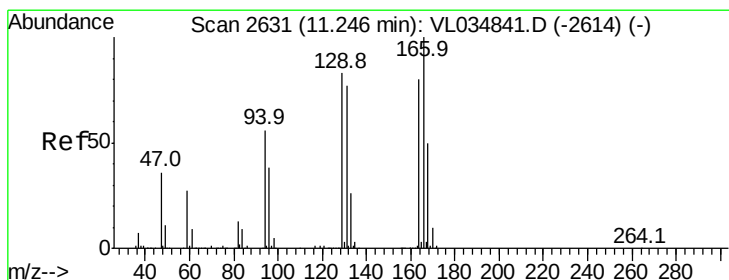
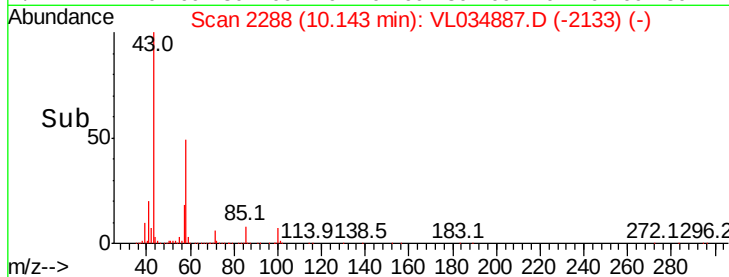
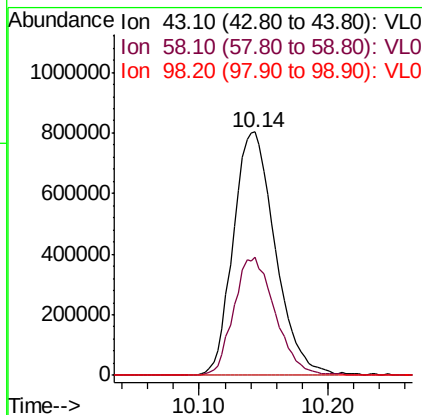
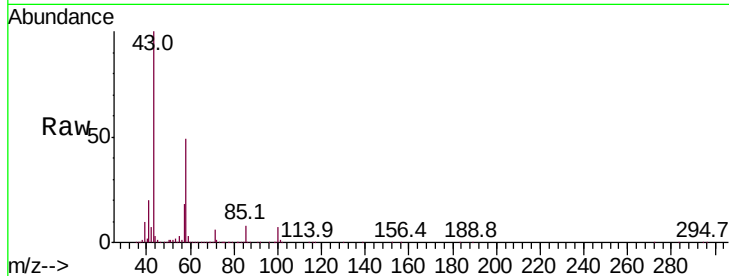




#51
2-Hexanone
Concen: 11.134 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

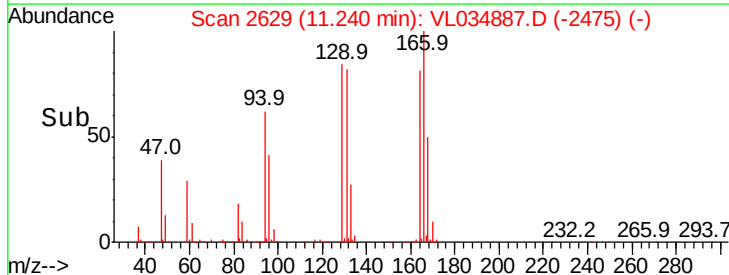
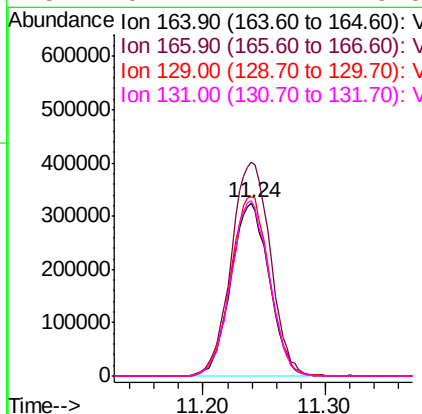
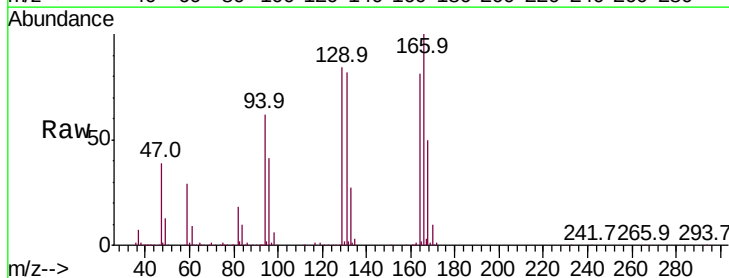
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

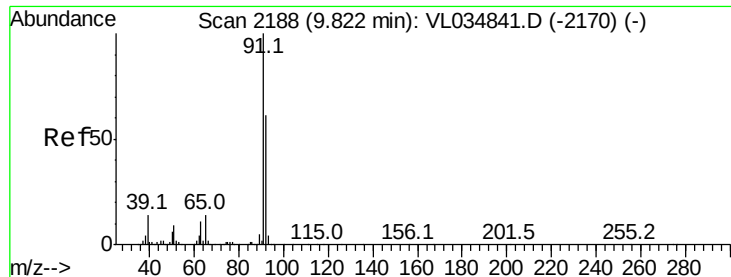
Tot Ion: 43 Resp: 1815190
Ion Ratio Lower Upper
43 100
58 47.9 38.6 58.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.523 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 164 Resp: 704217
Ion Ratio Lower Upper
164 100
166 123.2 100.0 150.0
129 103.7 83.1 124.7
131 101.4 77.2 115.8





#53

Toluene

Concen: 10.603 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

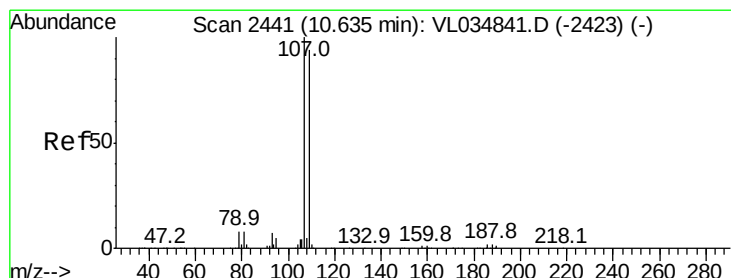
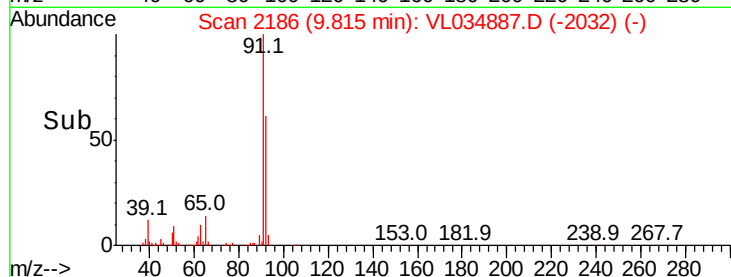
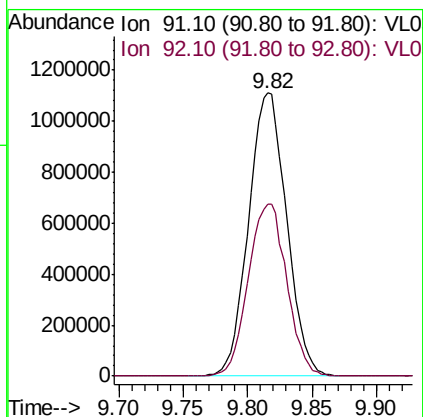
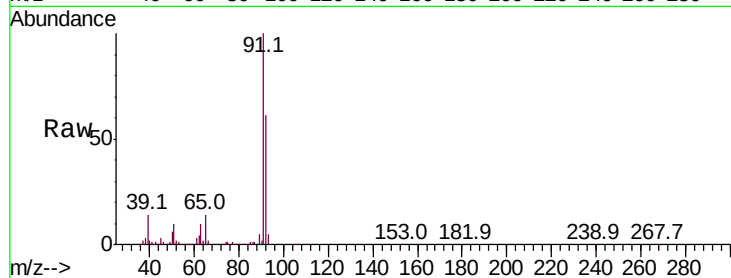
VL0316ABS01

Tot Ion: 91 Resp: 2288631

Ion Ratio Lower Upper

91 100

92 61.5 48.6 72.8



#54

1,2-Dibromoethane

Concen: 10.706 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL034887.D

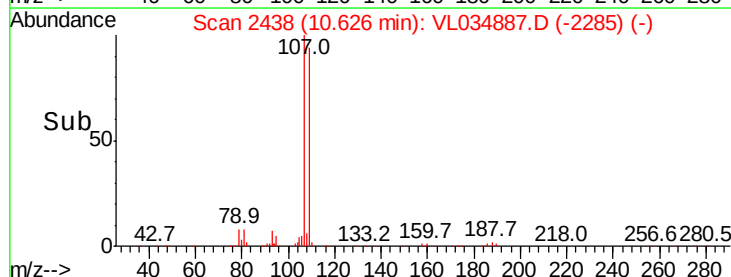
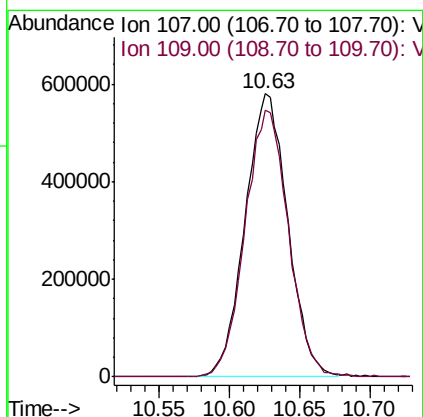
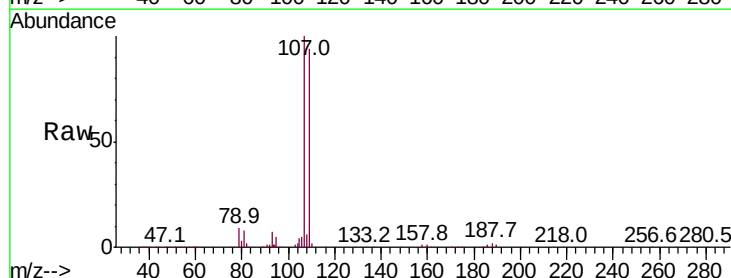
Acq: 16 Mar 2020 12:45

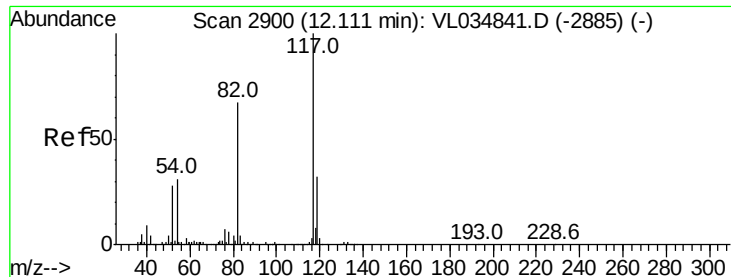
Tgt Ion: 107 Resp: 1224735

Ion Ratio Lower Upper

107 100

109 94.4 74.9 112.3

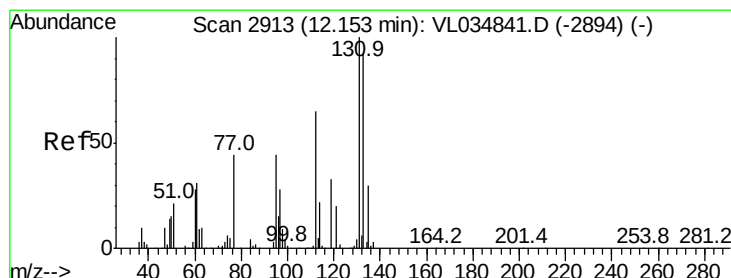
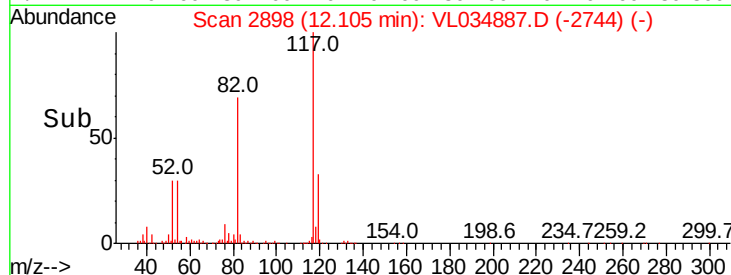
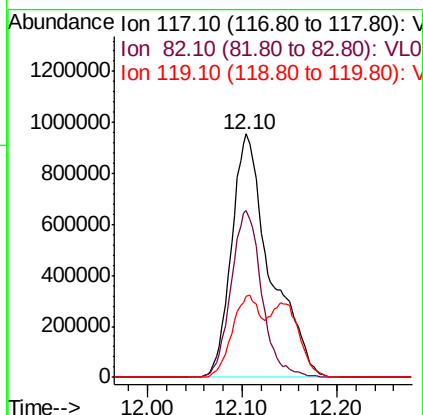
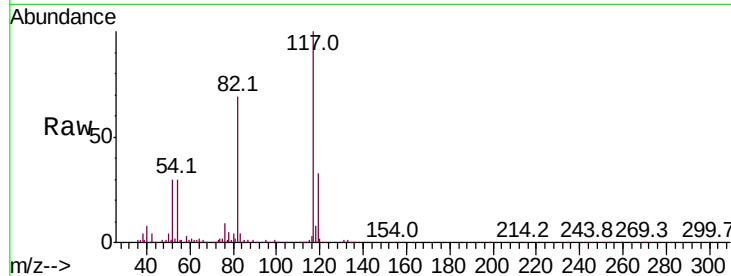




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

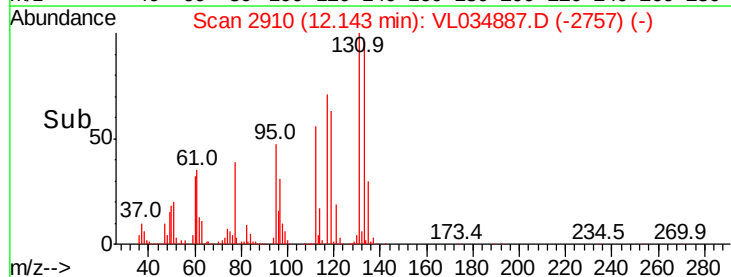
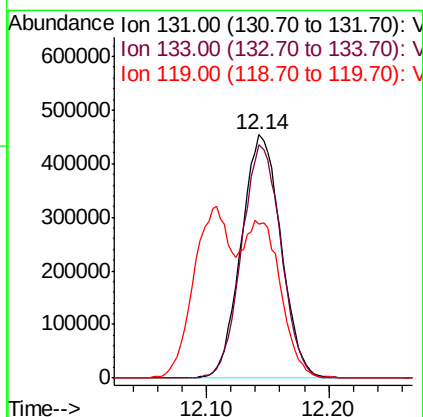
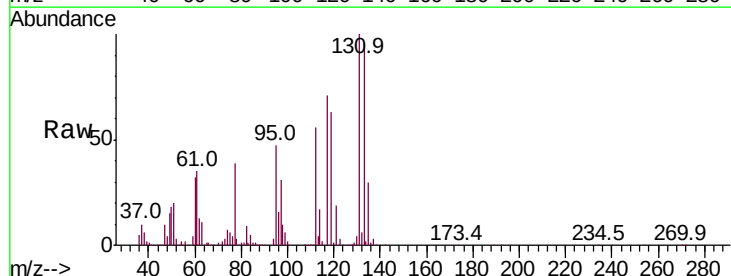
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

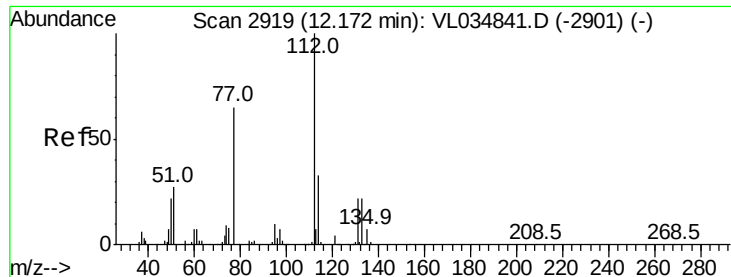
Tot Ion:117 Resp: 2720672
Ion Ratio Lower Upper
117 100
82 54.5 51.1 76.7
119 26.8 27.3 40.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.347 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:131 Resp: 1020076
Ion Ratio Lower Upper
131 100
133 95.2 76.0 114.0
119 66.8 47.8 71.8

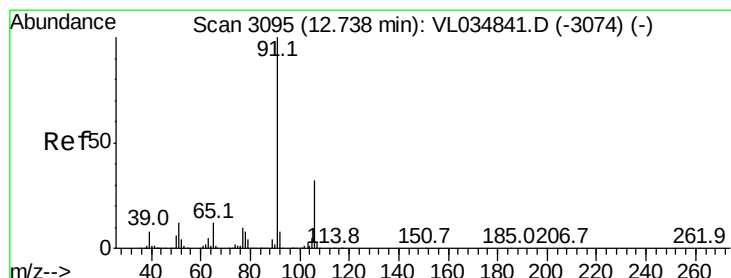
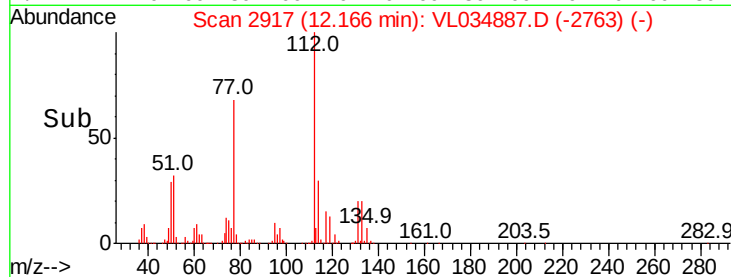
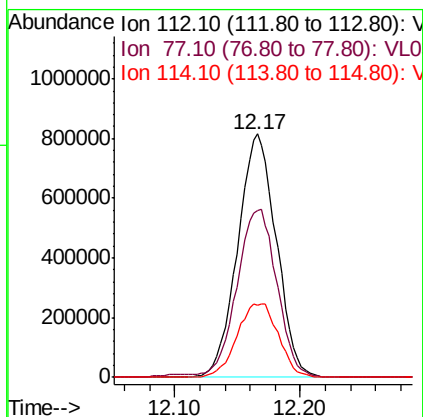
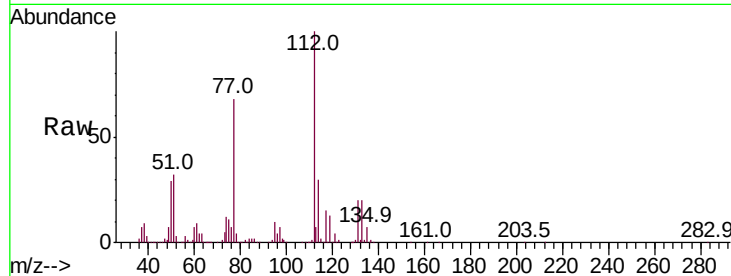




#57
Chlorobenzene
Concen: 8.176 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

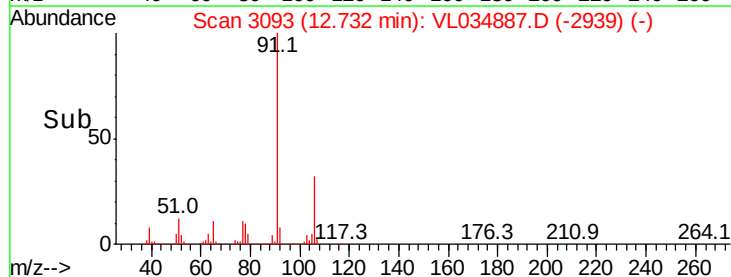
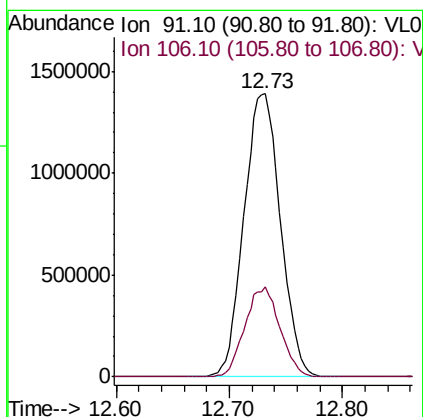
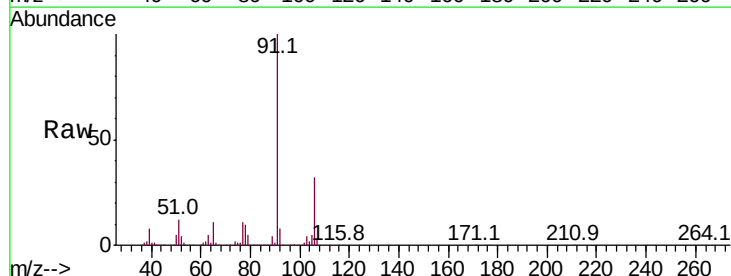
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

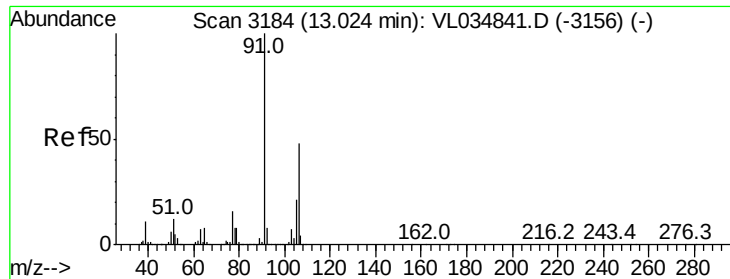
Tot Ion:112 Resp: 1740365
Ion Ratio Lower Upper
112 100
77 68.3 53.0 79.6
114 29.4 29.5 36.1#



#58
Ethyl Benzene
Concen: 8.460 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 3117016
Ion Ratio Lower Upper
91 100
106 31.9 25.8 38.6

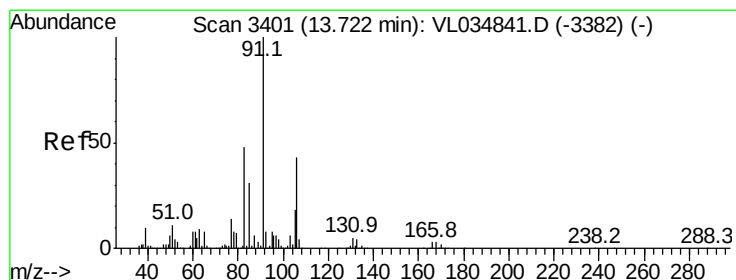
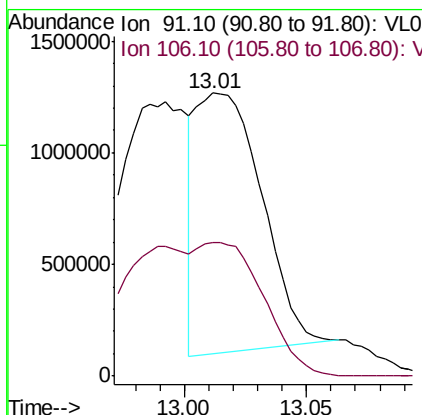
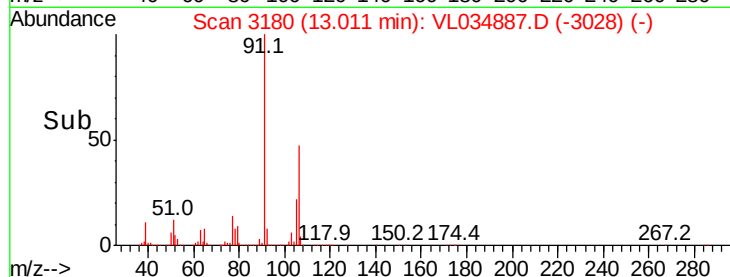
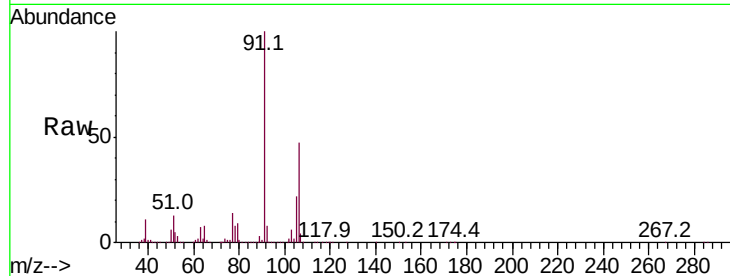




#59
m/p-Xylene
Concen: 6.983 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

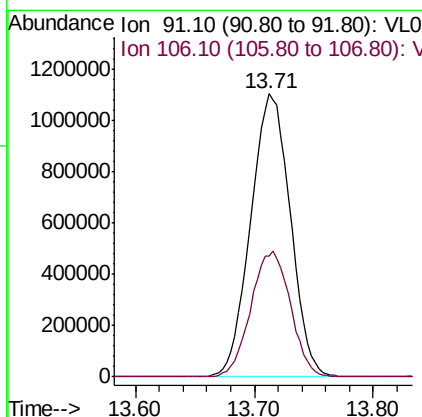
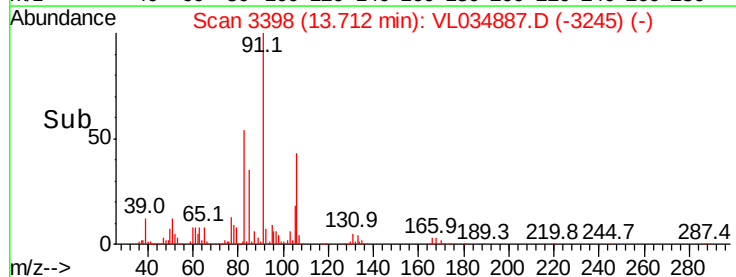
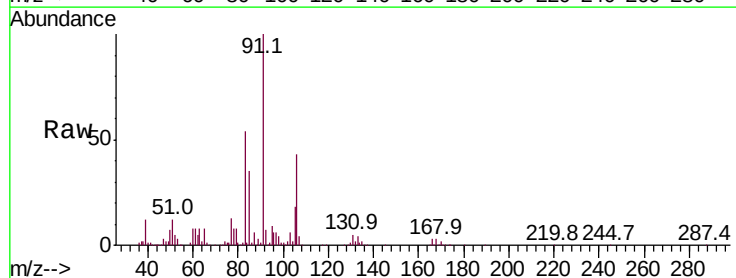
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

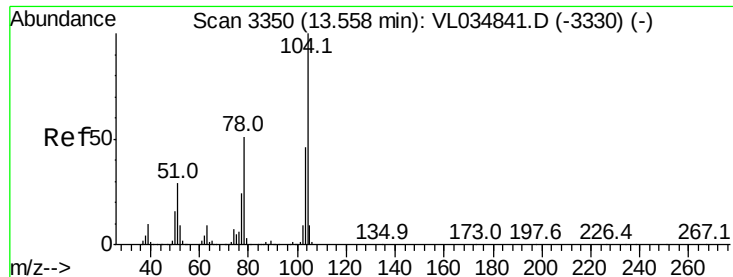
Tot Ion: 91 Resp: 2155595
Ion Ratio Lower Upper
91 100
106 108.7 37.1 55.7#



#60
o-Xylene
Concen: 8.456 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 2548584
Ion Ratio Lower Upper
91 100
106 44.3 22.5 67.5

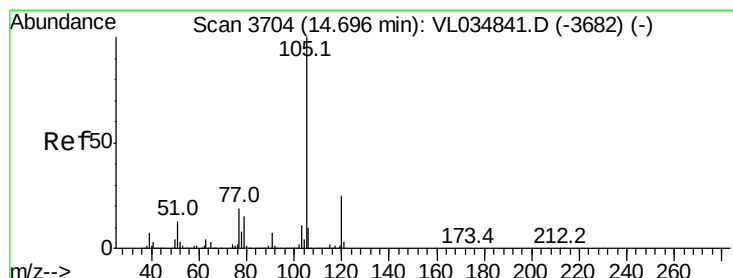
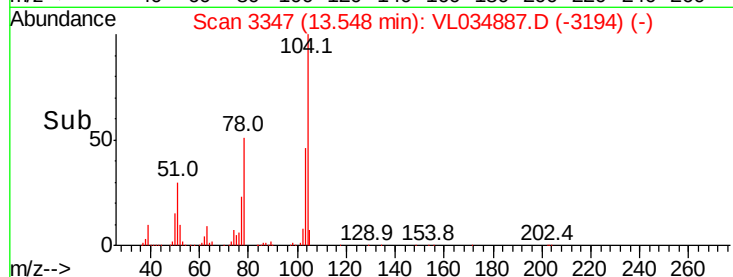
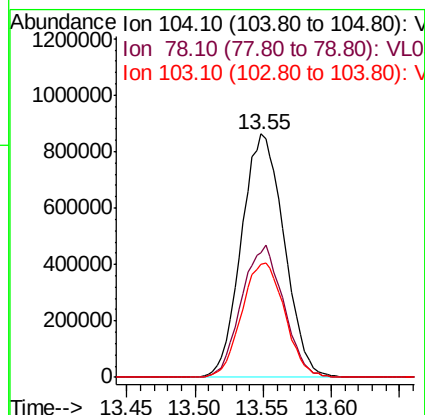
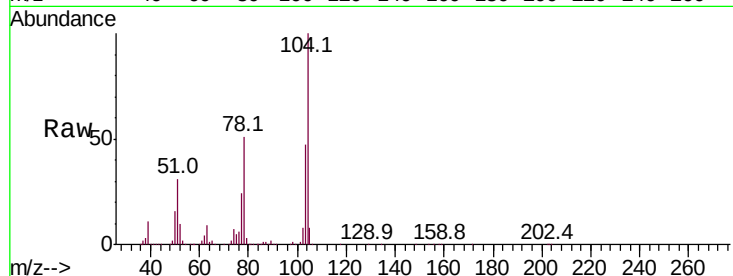




#61
Stvrene
Concen: 8.867 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

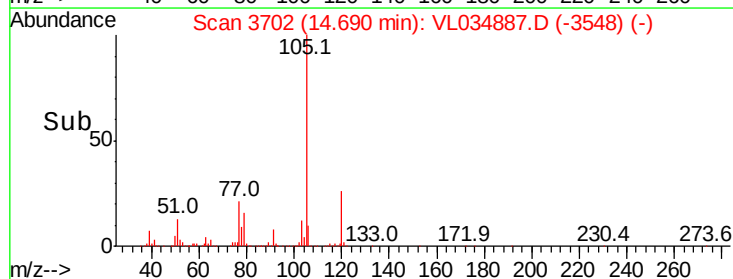
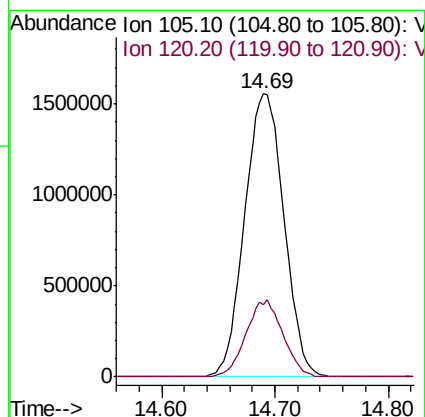
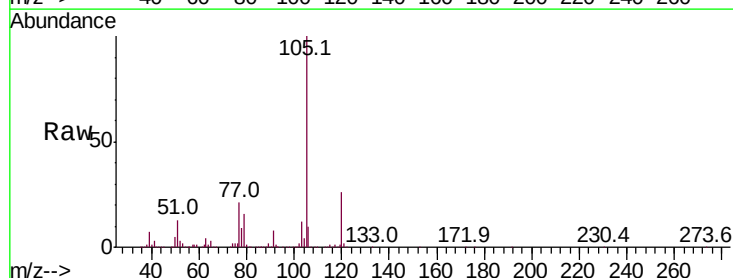
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

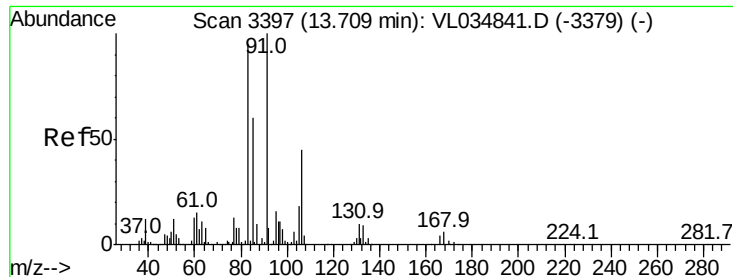
Tot Ion:104 Resp: 1875467
Ion Ratio Lower Upper
104 100
78 53.5 41.8 62.6
103 47.3 37.8 56.6



#62
Isopropylbenzene
Concen: 8.240 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 3755152
Ion Ratio Lower Upper
105 100
120 25.6 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.825 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

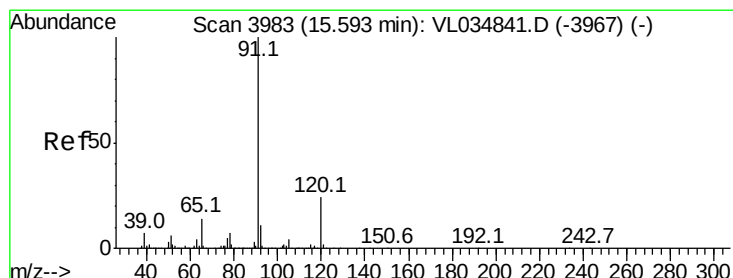
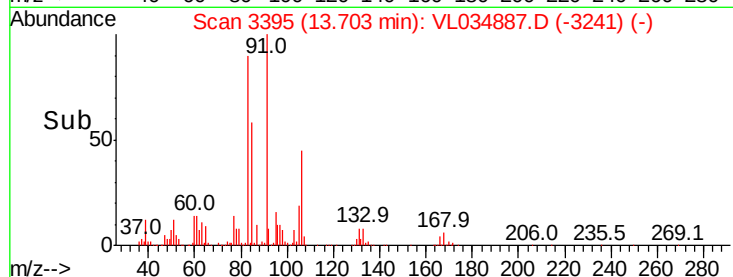
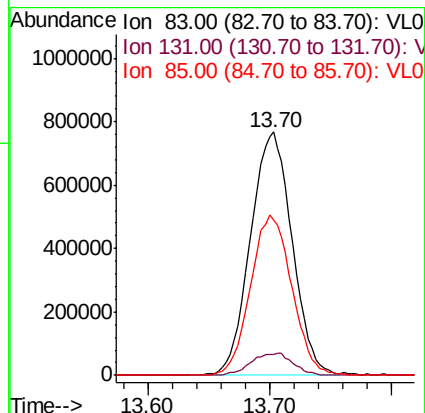
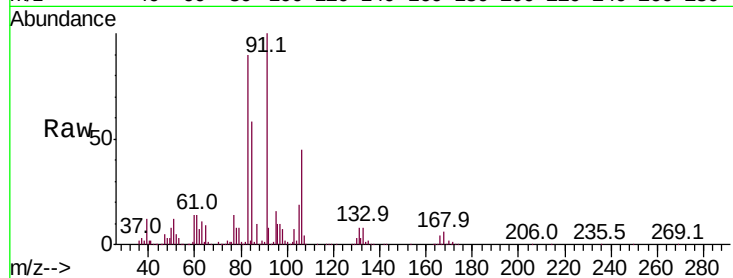
Tot Ion: 83 Resp: 1805631

Ion Ratio Lower Upper

83 100

131 9.3 5.0 14.9

85 65.8 32.4 97.2



#64

n-propylbenzene

Concen: 8.375 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. -0.00 min

Lab File: VL034887.D

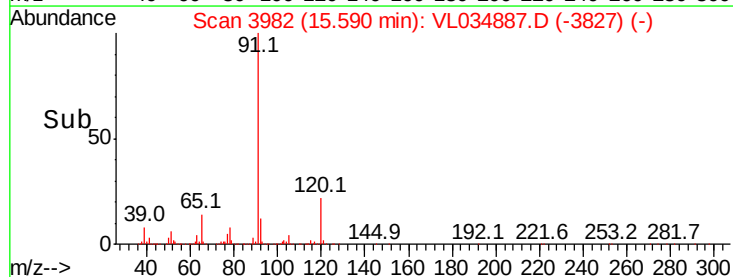
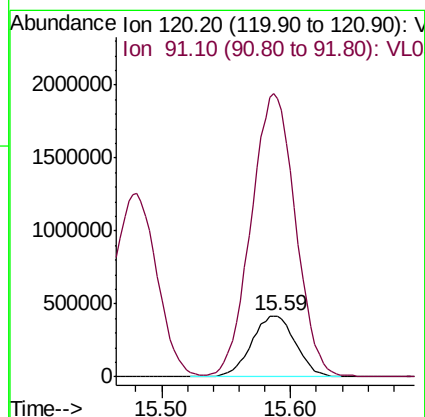
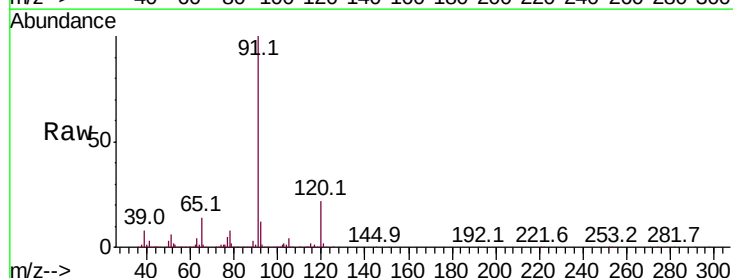
Acq: 16 Mar 2020 12:45

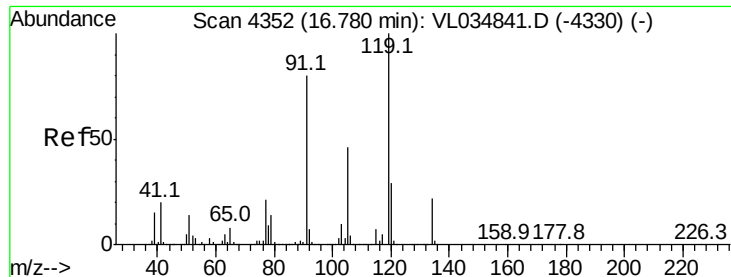
Tgt Ion:120 Resp: 993344

Ion Ratio Lower Upper

120 100

91 468.3 360.9 541.3

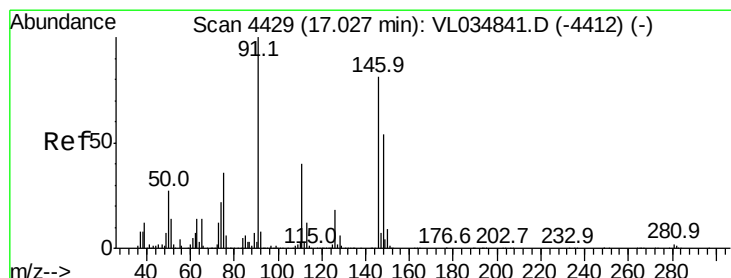
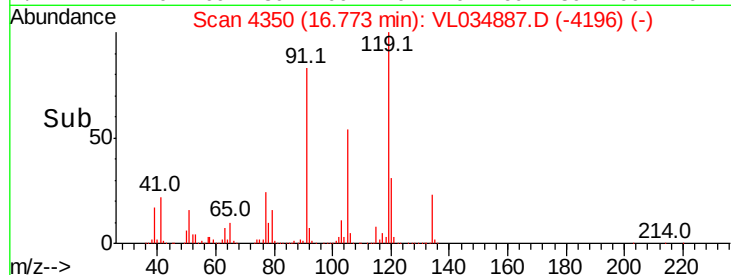
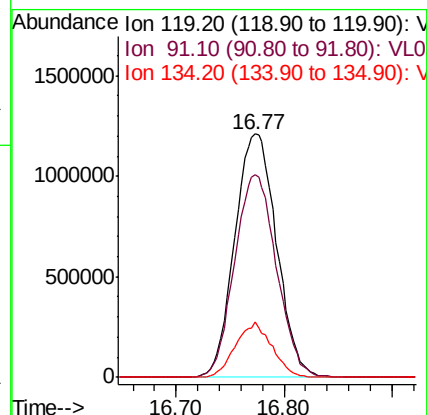
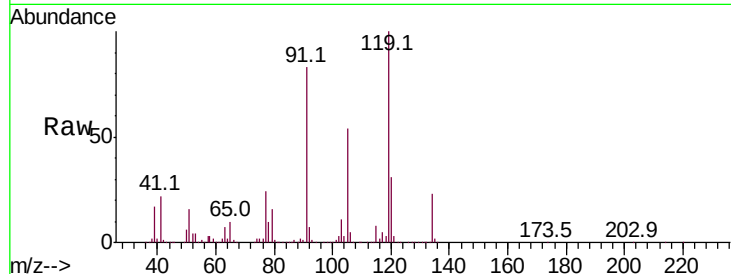




#65
tert-Butylbenzene
Concen: 8.192 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

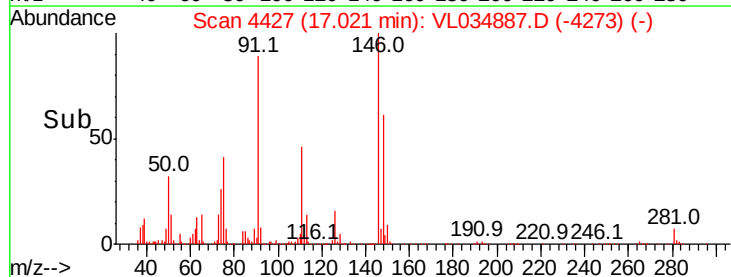
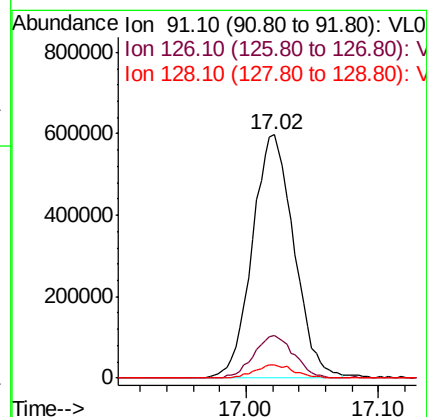
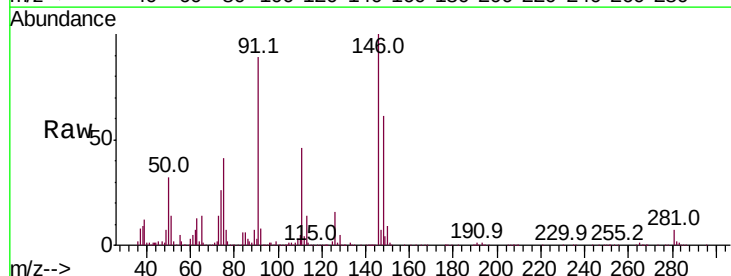
Instrument :
MSVOA_L
ClientSampleId :
VL0316ABS01

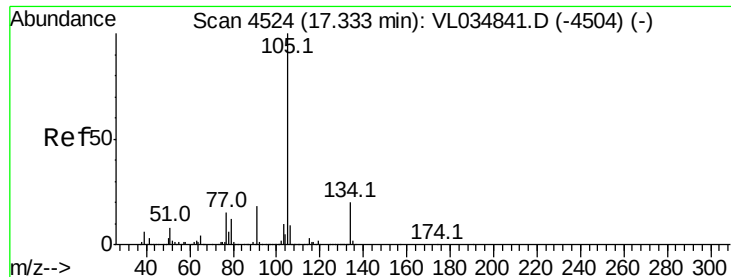
Tot Ion: 119 Resp: 3263319
Ion Ratio Lower Upper
119 100
91 83.8 64.9 97.3
134 19.8 15.9 23.9



#66
Benzyl Chloride
Concen: 7.816 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.01 min
Lab File: VL034887.D
Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 1298293
Ion Ratio Lower Upper
91 100
126 17.3 14.7 22.1
128 5.2 4.7 7.1





#67

sec-Butylbenzene

Concen: 8.515 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

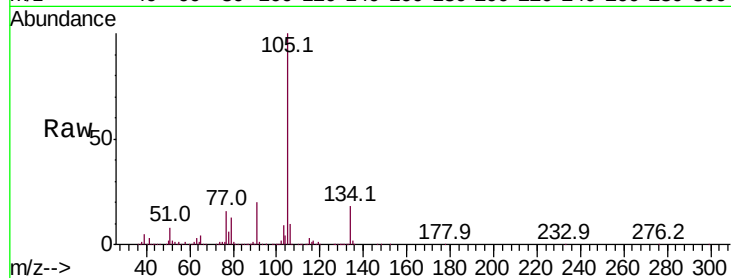
VL0316ABS01

Tot Ion:105 Resp: 4703573

Ion Ratio Lower Upper

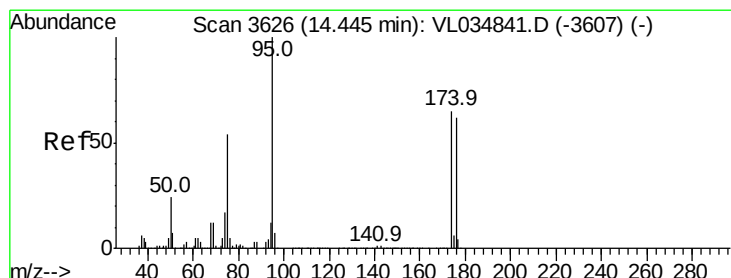
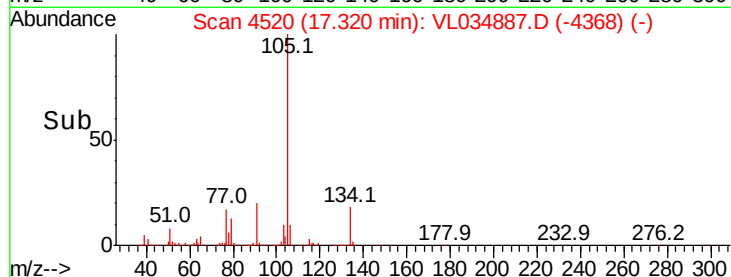
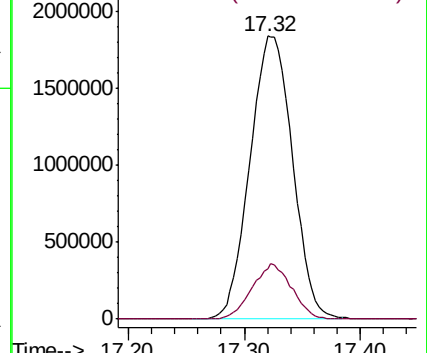
105 100

134 18.3 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: 8.236 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

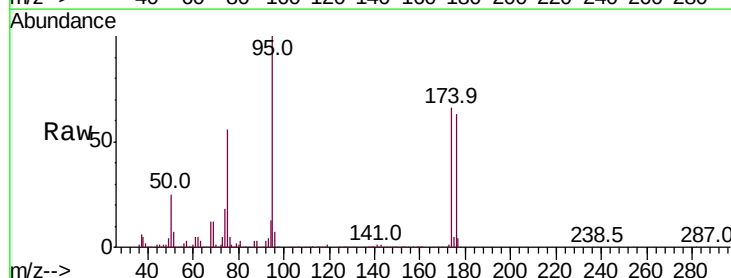
Tgt Ion: 95 Resp: 1747529

Ion Ratio Lower Upper

95 100

174 65.4 55.2 82.8

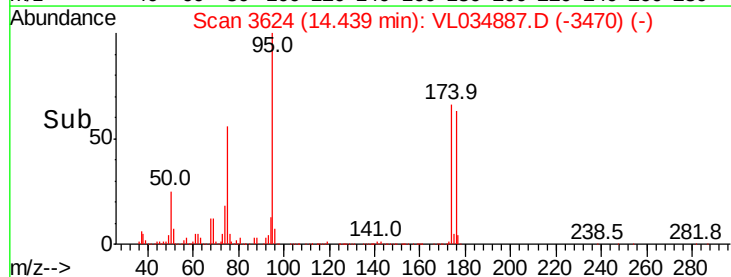
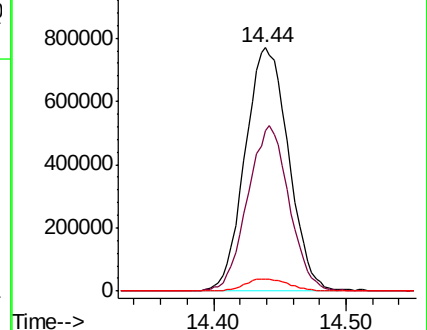
175 5.0 4.3 6.5

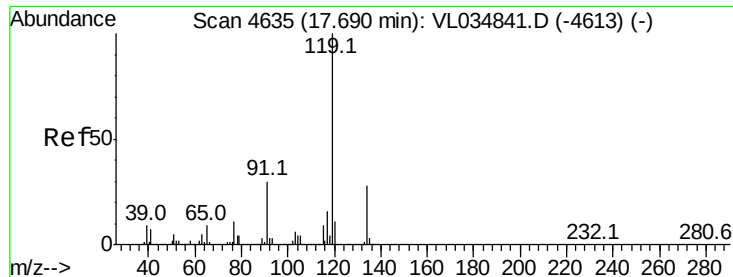


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



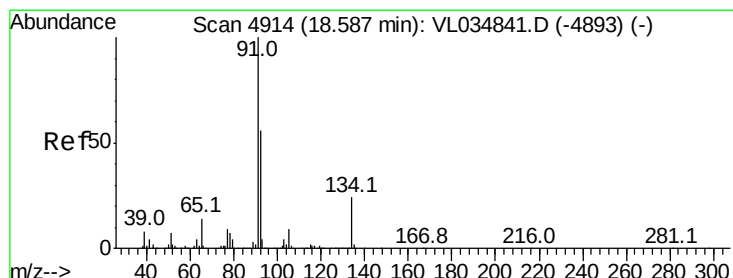
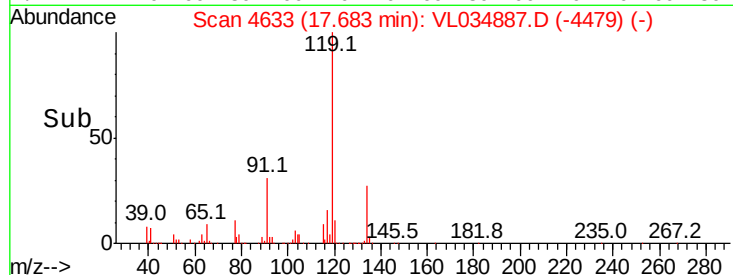
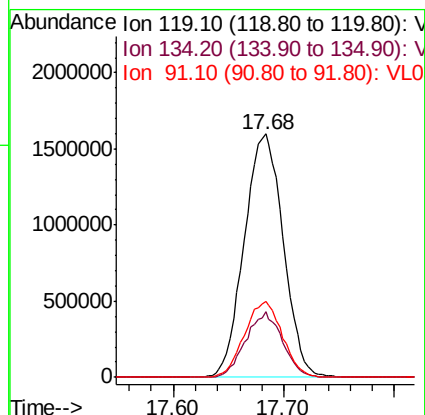
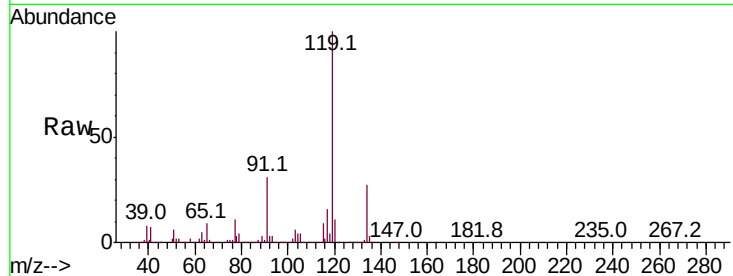


#69
 p-Isopropyltoluene
 Concen: 8.450 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Tot Ion: 119 Resp: 3913954

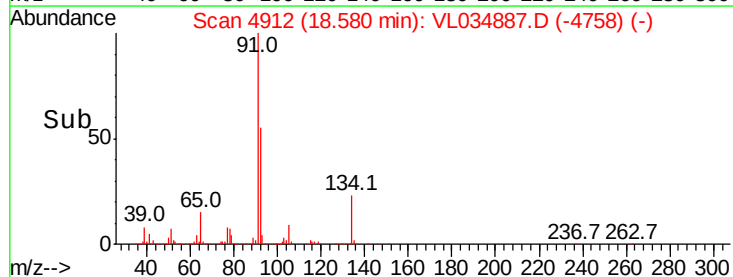
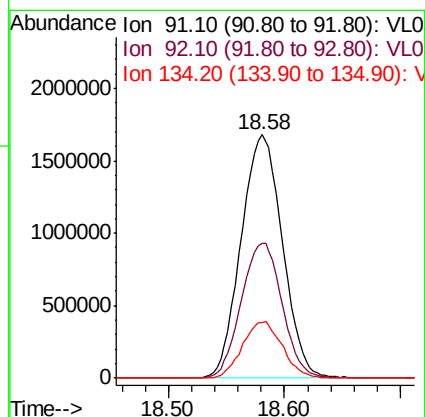
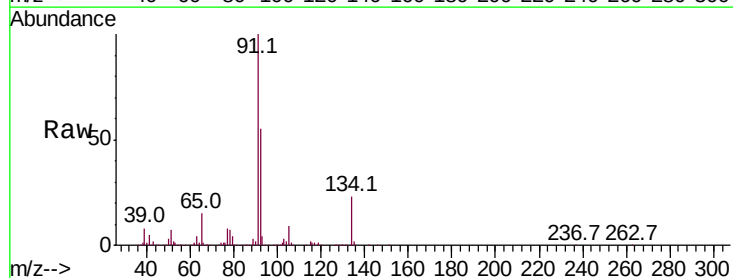
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.6	30.8
91	30.7	23.4	35.2

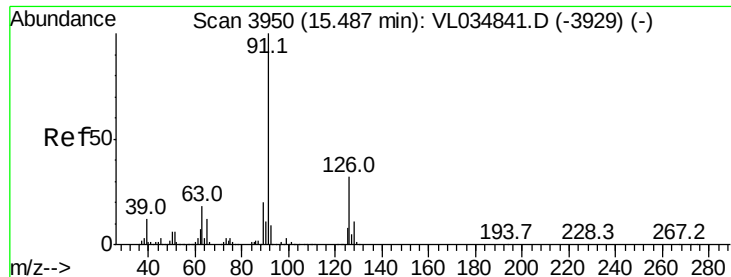


#70
 n-Butylbenzene
 Concen: 8.791 ppbv
 RT: 18.58 min Scan# 4912
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion: 91 Resp: 4154473

Ion	Ratio	Lower	Upper
91	100		
92	55.1	43.8	65.6
134	22.5	19.0	28.4





#71

2-Chlorotoluene

Concen: 8.472 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

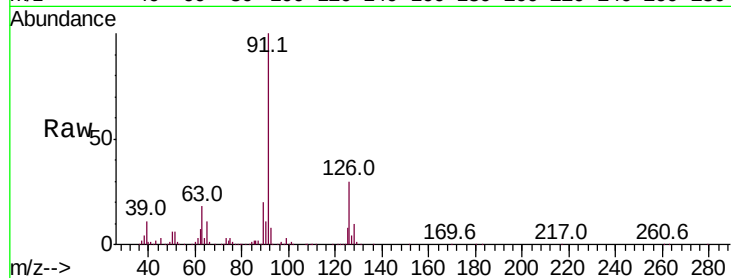
VL0316ABS01

Tot Ion: 91 Resp: 2923779

Ion Ratio Lower Upper

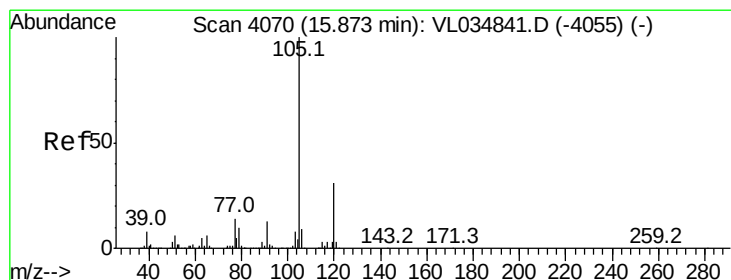
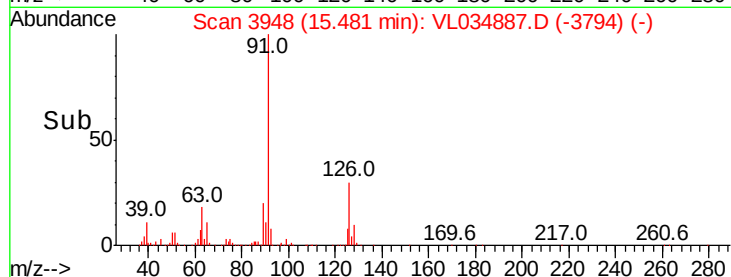
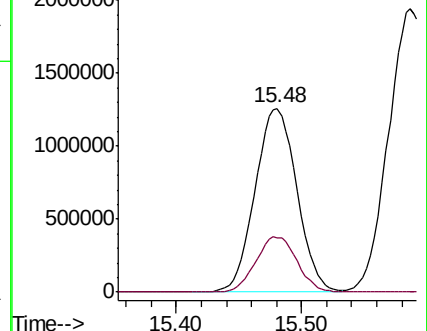
91 100

126 29.8 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: 8.670 ppbv

RT: 15.86 min Scan# 4067

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 3085808

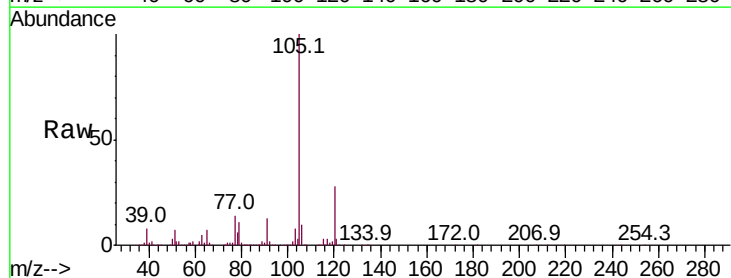
Ion Ratio Lower Upper

105 100

120 28.5 23.7 35.5

91 12.9 10.5 15.7

77 14.1 11.1 16.7

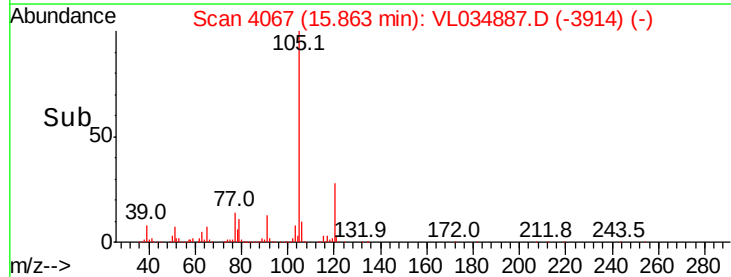
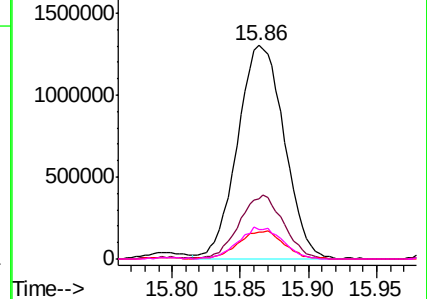


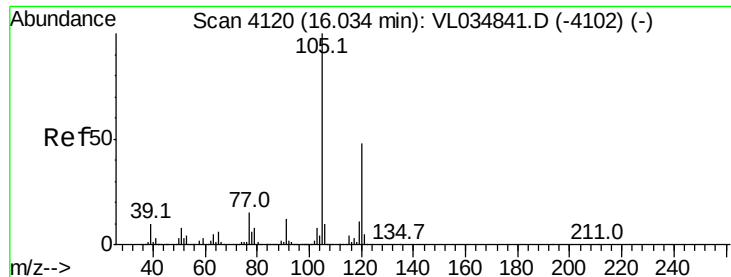
Abundance Ion 105.10 (104.80 to 105.80): V

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

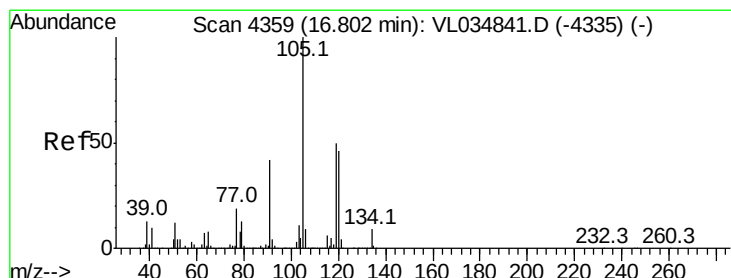
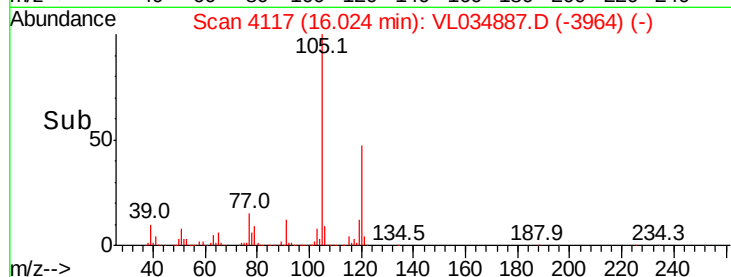
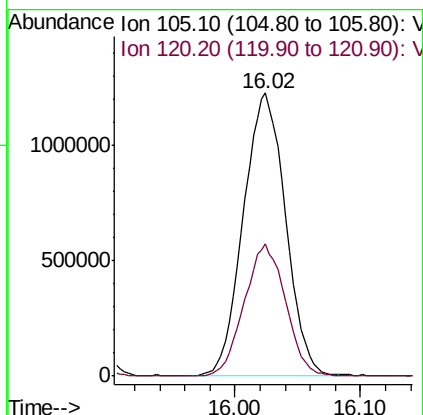
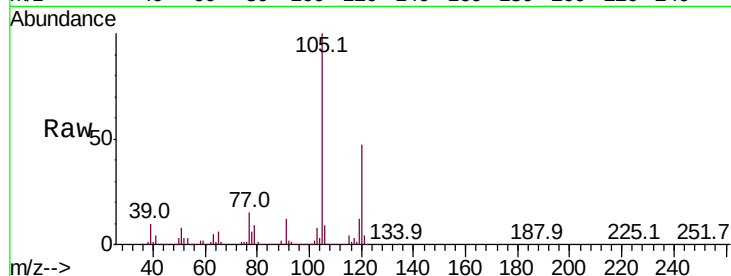




#73
 1,3,5-Trimethylbenzene
 Concen: 8.583 ppbv
 RT: 16.02 min Scan# 4117
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

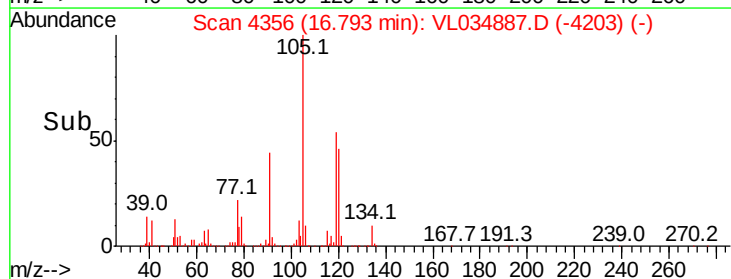
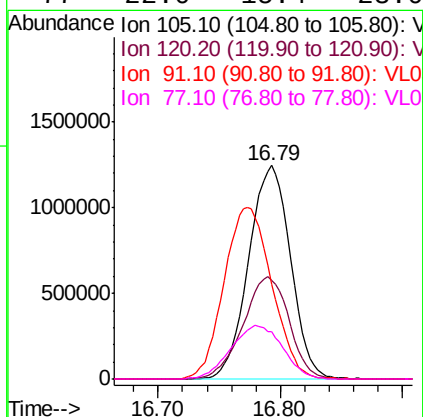
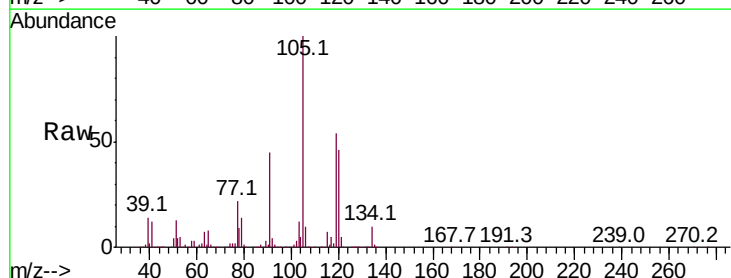
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

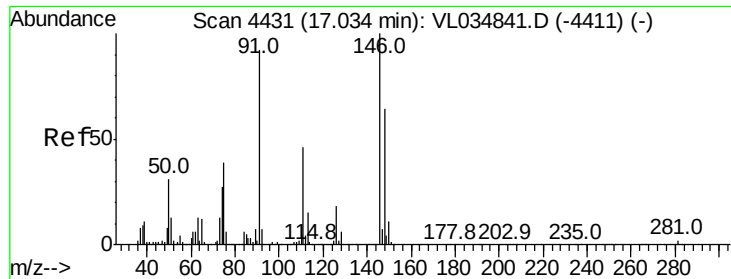
Tot Ion:105 Resp: 2859596
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.624 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion:105 Resp: 2960233
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.0 55.4
 91 44.2 33.8 50.6
 77 22.0 15.4 23.0





#75

1,3-Dichlorobenzene

Concen: 8.188 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

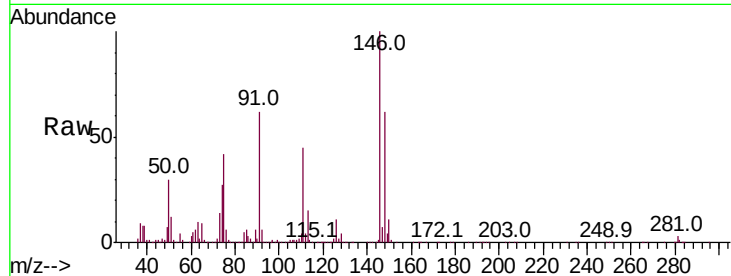
Tot Ion:146 Resp: 1694834

Ion Ratio Lower Upper

146 100

111 48.1 23.9 71.7

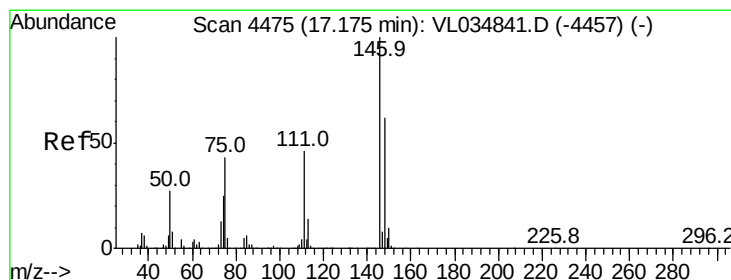
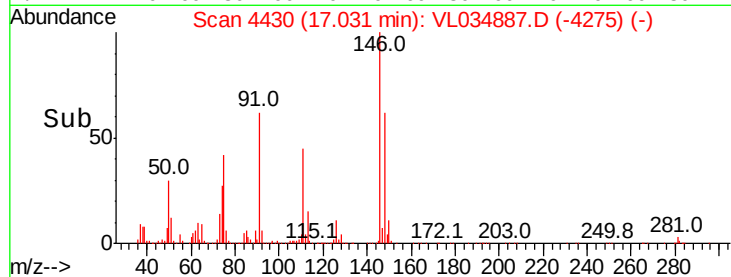
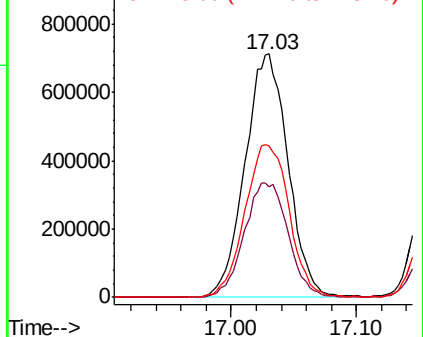
148 64.9 32.5 97.5



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: 8.256 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. -0.00 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

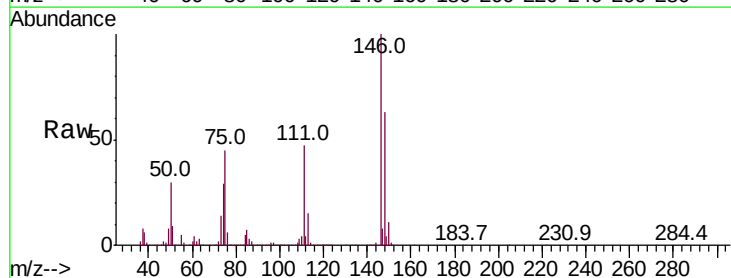
Tgt Ion:146 Resp: 1705180

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.2

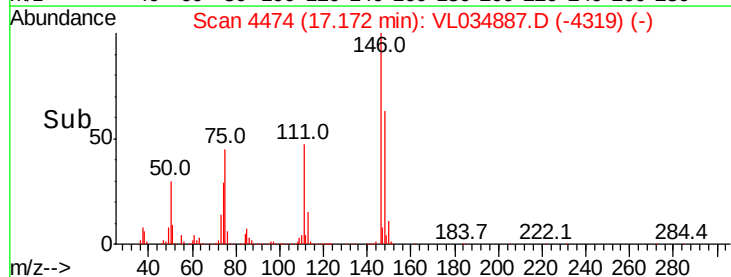
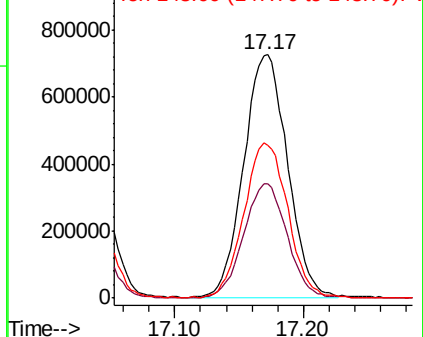
148 65.1 32.3 96.9

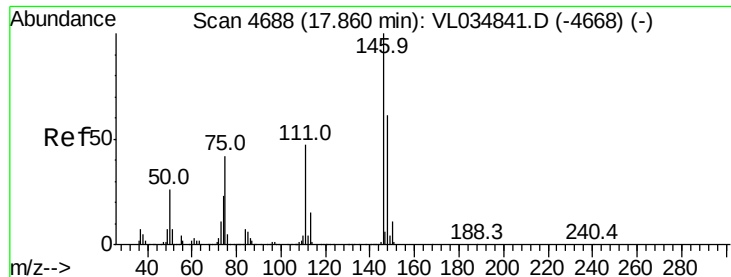


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

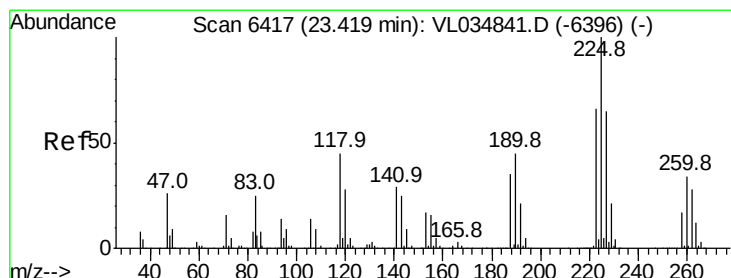
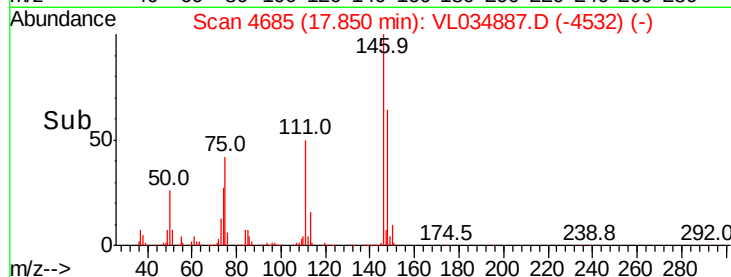
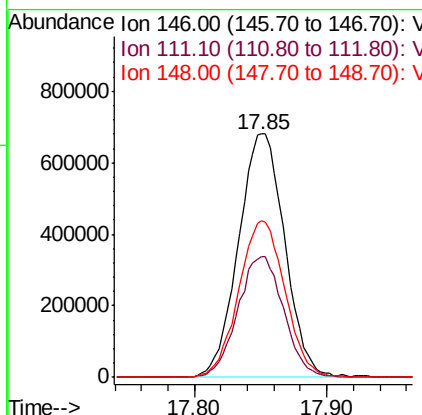
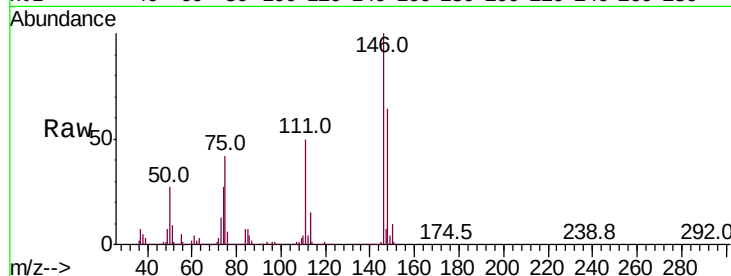




#77
 1,2-Dichlorobenzene
 Concen: 8.173 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

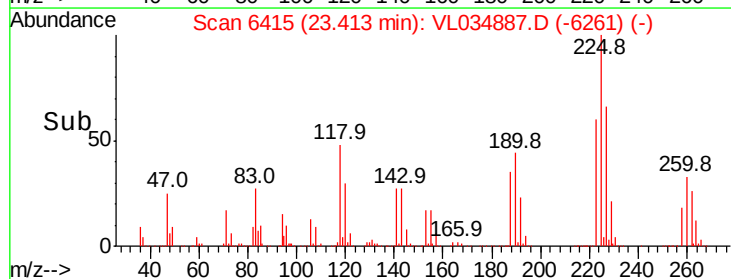
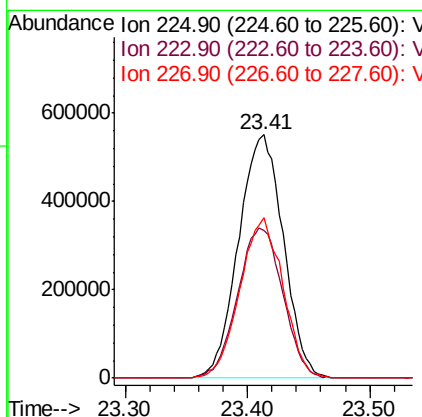
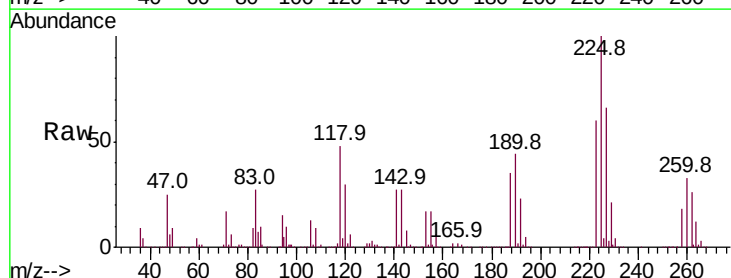
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

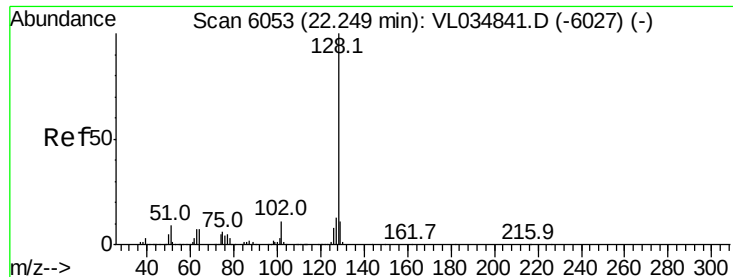
Tot Ion:146 Resp: 1639808
 Ion Ratio Lower Upper
 146 100
 111 49.7 23.8 71.4
 148 65.0 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.346 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Tgt Ion:225 Resp: 1398602
 Ion Ratio Lower Upper
 225 100
 223 62.5 51.1 76.7
 227 63.4 51.8 77.6





#79

Naphthalene

Concen: 10.173 ppbv

RT: 22.24 min Scan# 6051

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

Instrument :

MSVOA_L

ClientSampleId :

VL0316ABS01

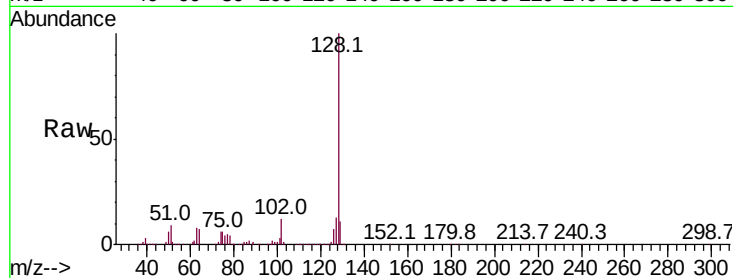
Tot Ion:128 Resp: 2723187

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

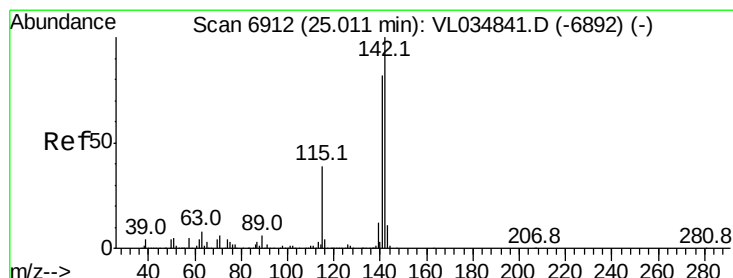
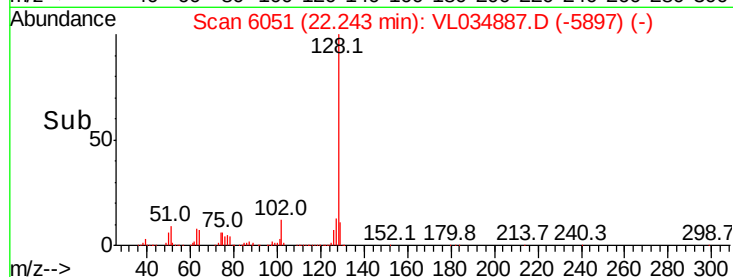
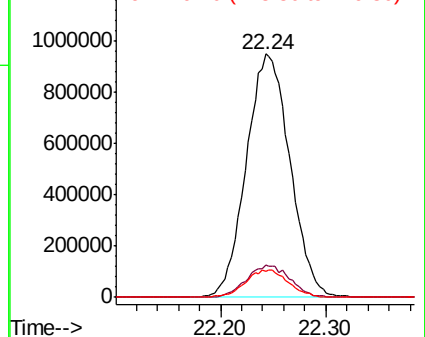
129 10.9 8.6 13.0



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: 11.626 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. -0.01 min

Lab File: VL034887.D

Acq: 16 Mar 2020 12:45

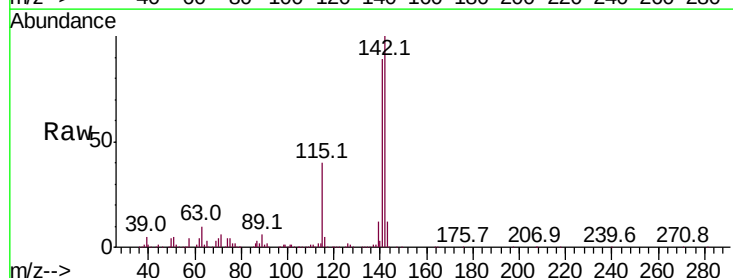
Tgt Ion:142 Resp: 813304

Ion Ratio Lower Upper

142 100

141 84.3 68.9 103.3

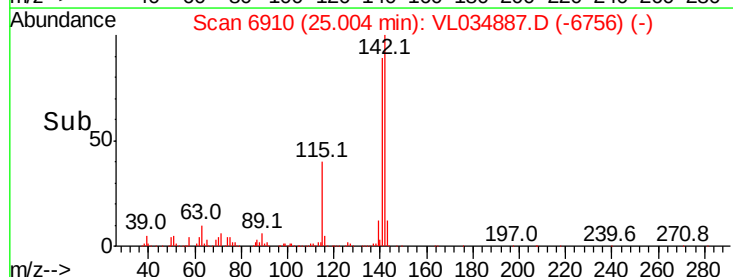
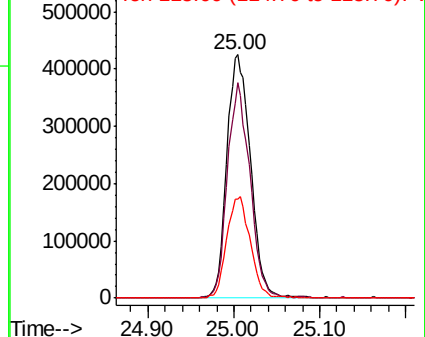
115 41.7 33.2 49.8

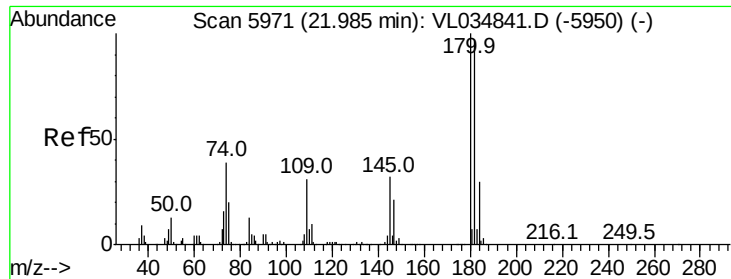


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V



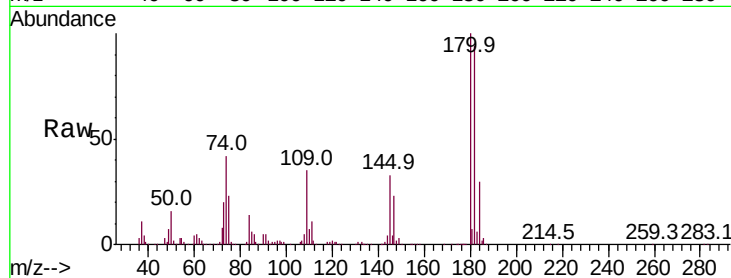


#81
 1,2,4-Trichlorobenzene
 Concen: 9.242 ppbv
 RT: 21.97 min Scan# 5967
 Delta R.T. -0.01 min
 Lab File: VL034887.D
 Acq: 16 Mar 2020 12:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0316ABS01

Tot Ion:180 Resp: 1571792

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	115.0
184	31.0	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

