

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120319\
 Data File : VL034461.D
 Acq On : 3 Dec 2019 15:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 03 16:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1002286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2014367	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2594318	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1795981	8.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1844220	10.171	ppbv 99
3) Chlorodifluoromethane	2.96	51	1073071	8.581	ppbv 98
4) Chloromethane	3.12	50	643956	8.730	ppbv 99
5) Vinyl Chloride	3.23	62	598999	8.667	ppbv 95
6) Bromomethane	3.46	94	322219	9.266	ppbv 88
7) Chloroethane	3.54	64	223037	8.892	ppbv 98
8) Dichlorotetrafluoroethane	3.17	85	1408043	8.647	ppbv 99
9) Propene	2.99	41	453224	8.163	ppbv 98
10) Heptane	8.16	43	1227126	8.565	ppbv 100
11) Trichlorofluoromethane	3.94	101	1632975	9.049	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1080114	9.013	ppbv 99
13) Ethanol	3.59	45	38810	2.509	ppbv # 40
14) Bromoethene	3.73	108	426487	8.752	ppbv 97
15) Acetone	3.84	43	1340947	9.343	ppbv 98
16) 1,3-Butadiene	3.31	39	551087	8.815	ppbv 100
17) tert-Butyl alcohol	4.29	59	890494	7.381	ppbv 100
18) 1,1-Dichloroethene	4.29	96	473345	9.030	ppbv 95
19) Isopropyl Alcohol	3.96	45	666978	7.250	ppbv # 99
20) Methylene Chloride	4.34	84	411943	8.094	ppbv 95
21) Allyl Chloride	4.41	41	810874	9.429	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	493088	9.331	ppbv 98
23) Vinyl Acetate	5.08	43	1776025	9.473	ppbv # 99
24) 1,1-Dichloroethane	5.02	63	1256338	8.723	ppbv 99
25) Ethyl Acetate	5.69	43	2181862	8.519	ppbv 100
26) Hexane	5.70	57	922412	8.382	ppbv 98
27) Carbon Disulfide	4.55	76	1252907	10.453	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1618536	8.870	ppbv 100
29) Chloroform	5.77	83	1522833	8.545	ppbv 96
30) Cyclohexane	7.16	84	725652	8.722	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1003196	8.821	ppbv 97
32) 1,1,1-Trichloroethane	6.54	97	1580083	9.456	ppbv 99
34) 2-Butanone	5.25	43	1458738	8.798	ppbv 99
35) Carbon Tetrachloride	7.05	117	1648016	9.515	ppbv 98
36) Benzene	6.92	78	1750914	8.695	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1352602	9.042	ppbv 99
38) Trichloroethene	7.88	130	738189	8.933	ppbv 98
39) 1,2-Dichloropropane	7.65	63	729416	9.403	ppbv 95
40) 1,4-Dioxane	7.87	88	230457	6.801	ppbv # 88
41) Tetrahydrofuran	6.07	42	804621	8.652	ppbv 98
42) Bromodichloromethane	7.83	83	1704963	9.113	ppbv 99
43) Methyl Methacrylate	8.05	69	755013	9.040	ppbv 99

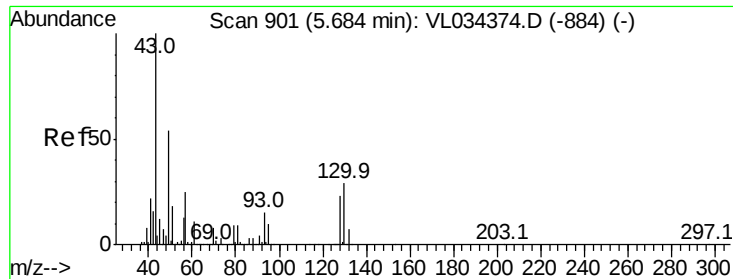
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120319\
 Data File : VL034461.D
 Acq On : 3 Dec 2019 15:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 03 16:12:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3149781	8.559	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1054308	9.843	ppbv	96
46) cis-1,3-Dichloropropene	8.75	75	1171507	9.737	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	738831	8.561	ppbv	93
48) Dibromochloromethane	10.36	129	1403478	9.472	ppbv	99
49) Bromoform	13.11	173	1245078	9.413	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	2137675	8.911	ppbv	100
51) 2-Hexanone	10.18	43	1806298	8.989	ppbv	96
52) Tetrachloroethene	11.28	164	662039	7.599	ppbv	98
53) Toluene	9.86	91	2024623	8.852	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1133068	8.564	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.19	131	914932	7.210	ppbv #	59
57) Chlorobenzene	12.21	112	1546434	6.594	ppbv	97
58) Ethyl Benzene	12.77	91	2784230	6.916	ppbv	97
59) m/p-Xylene	13.06	91	2063631	5.930	ppbv #	13
60) o-Xylene	13.76	91	2359769	6.858	ppbv	99
61) Styrene	13.59	104	1699218	6.848	ppbv	100
62) Isopropylbenzene	14.73	105	3022081	6.641	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1590588	6.150	ppbv	99
64) n-propylbenzene	15.64	120	771433	6.528	ppbv	94
65) tert-Butylbenzene	16.82	119	2668194	6.527	ppbv	99
66) Benzyl Chloride	17.07	91	1295191	8.236	ppbv	100
67) sec-Butylbenzene	17.37	105	3733580	6.529	ppbv	100
69) p-Isopropyltoluene	17.73	119	3126888	6.589	ppbv	100
70) n-Butylbenzene	18.63	91	3313735	6.490	ppbv	100
71) 2-Chlorotoluene	15.53	91	2355029	6.490	ppbv	100
72) 4-Ethyltoluene	15.91	105	2658925	6.688	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2543063	6.535	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2649022	6.408	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1474111	6.204	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1482590	6.425	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1447392	6.306	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1534877	7.784	ppbv	100
79) Naphthalene	22.30	128	2763560	7.711	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	1273700	7.871	ppbv	98
81) 1,2,4-Trichlorobenzene	22.03	180	835965	3.797	ppbv #	17

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampled :

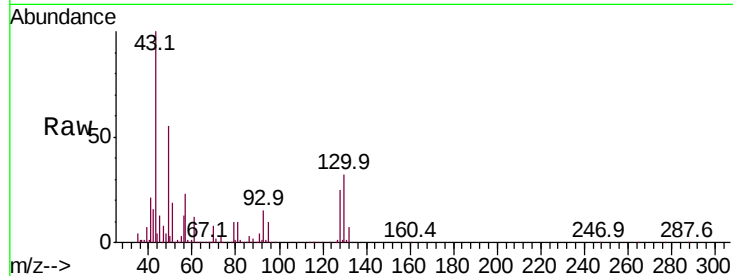
Tot Ion: 49 Resp: 1002286

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

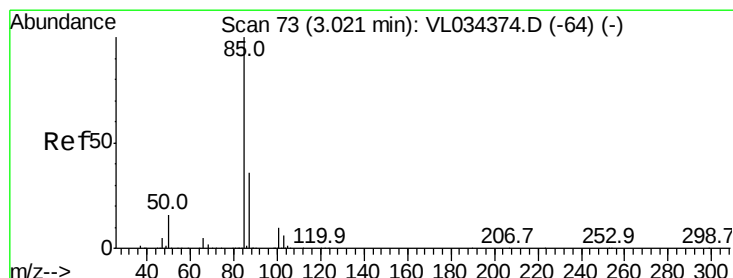
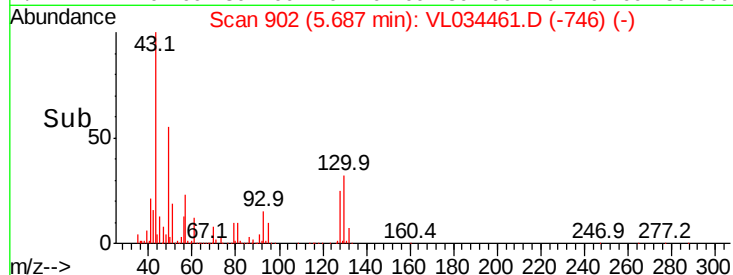
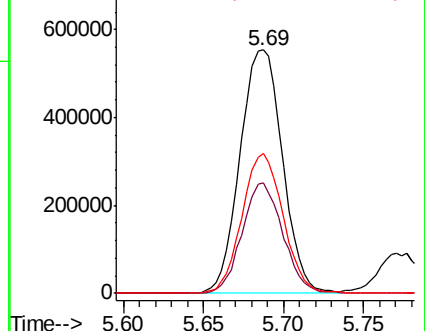
130 55.9 28.0 84.0



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: 10.171 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034461.D

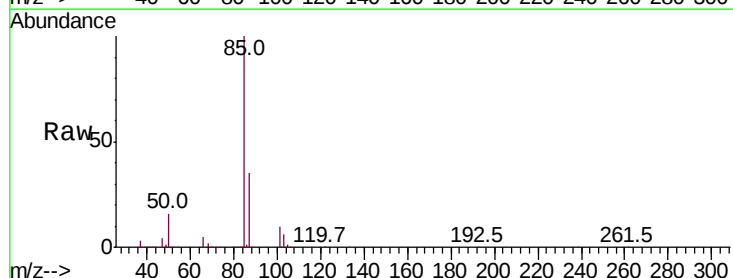
Acq: 3 Dec 2019 15:39

Tgt Ion: 85 Resp: 1844220

Ion Ratio Lower Upper

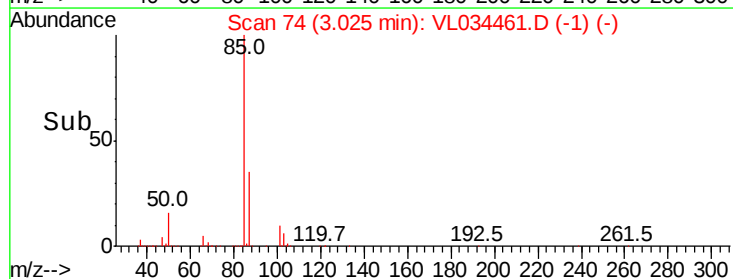
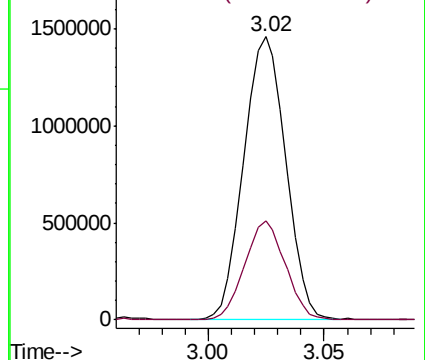
85 100

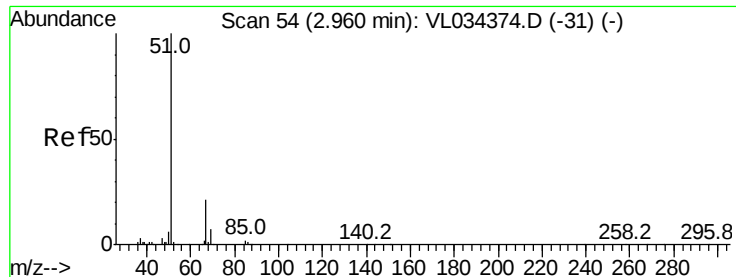
87 35.1 28.5 42.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.581 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

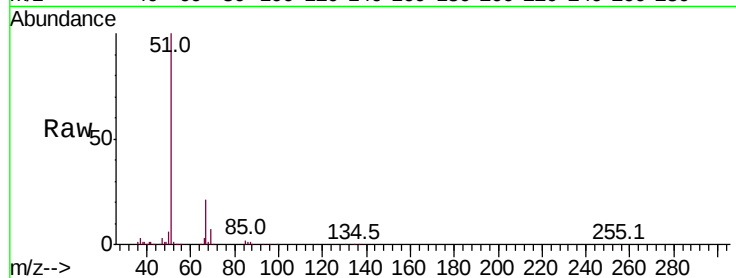
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1073071

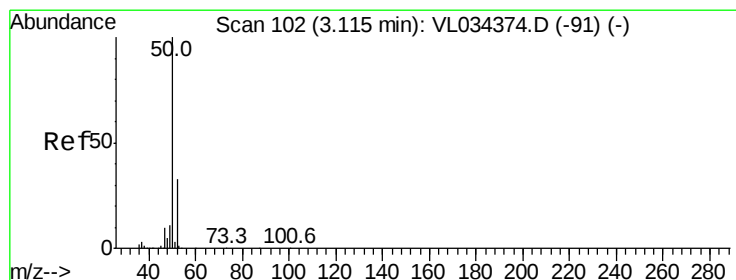
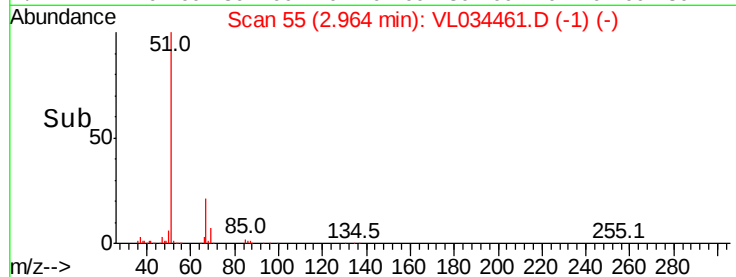
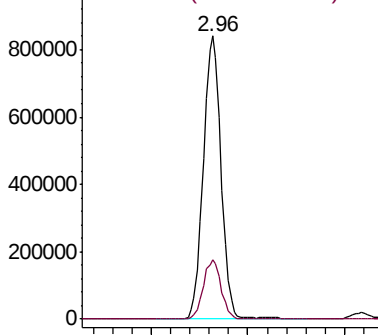
Ion Ratio Lower Upper

51 100

67 20.9 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.730 ppbv

RT: 3.12 min Scan# 103

Delta R.T. 0.00 min

Lab File: VL034461.D

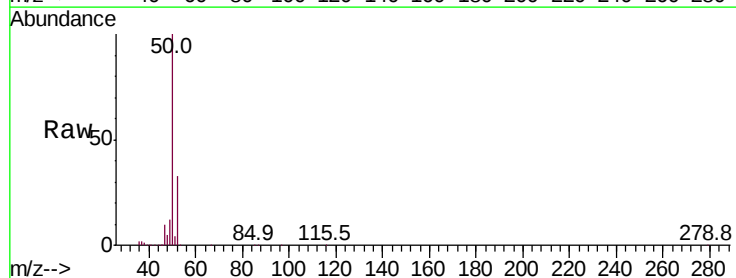
Acq: 3 Dec 2019 15:39

Tgt Ion: 50 Resp: 643956

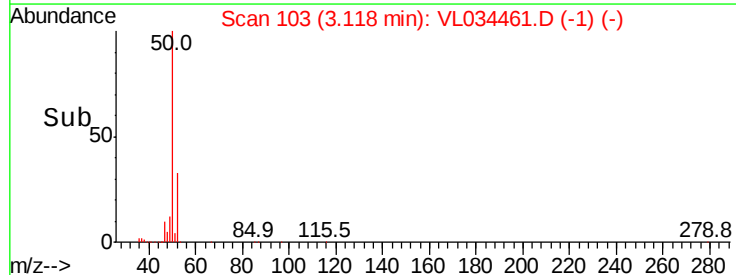
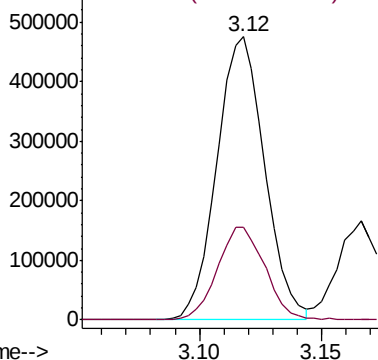
Ion Ratio Lower Upper

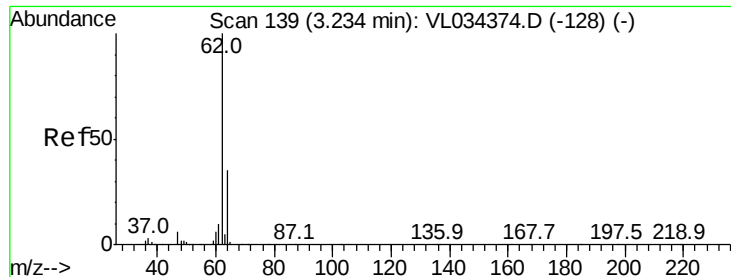
50 100

52 32.7 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.667 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

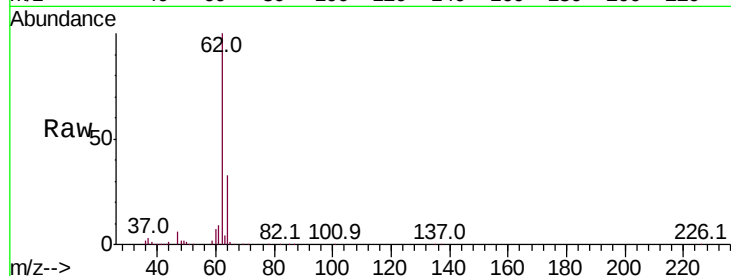
ClientSampleId :

Tot Ion: 62 Resp: 598999

Ion Ratio Lower Upper

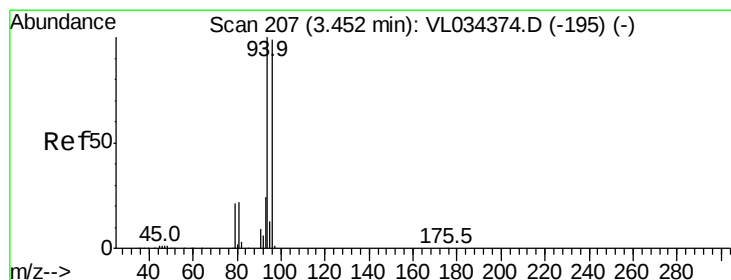
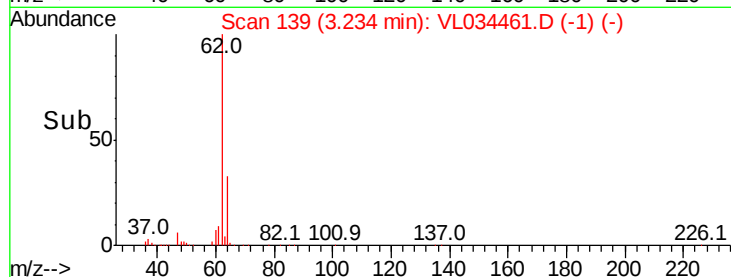
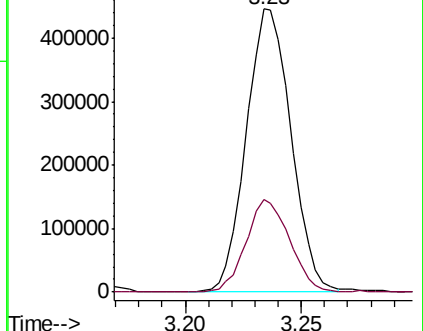
62 100

64 32.6 28.4 42.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.266 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034461.D

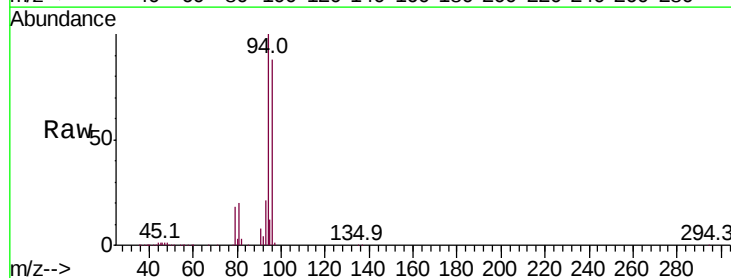
Acq: 3 Dec 2019 15:39

Tgt Ion: 94 Resp: 322219

Ion Ratio Lower Upper

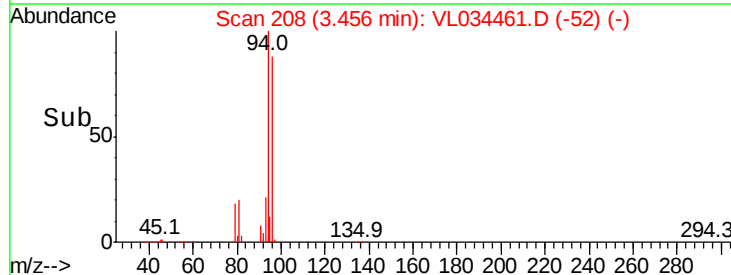
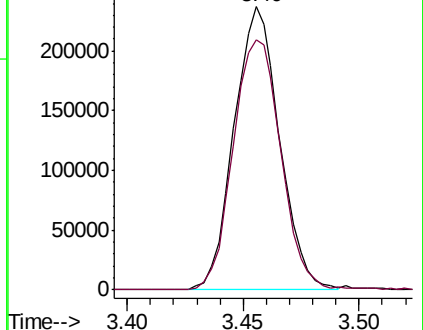
94 100

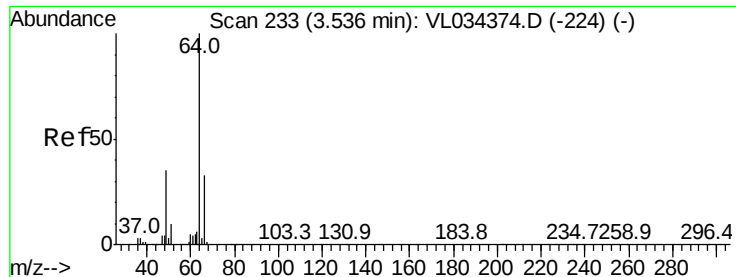
96 87.8 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.892 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

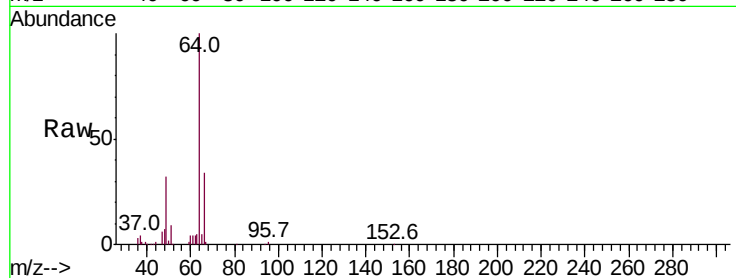
ClientSampleId :

Tot Ion: 64 Resp: 223037

Ion Ratio Lower Upper

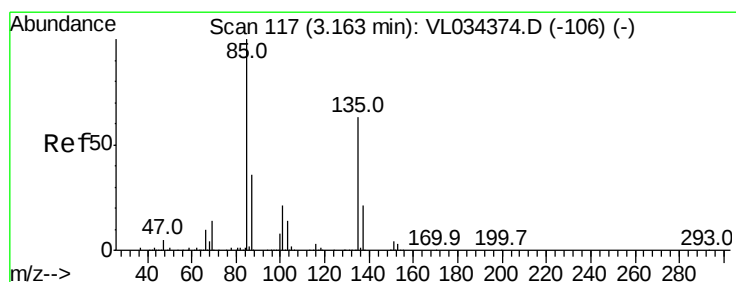
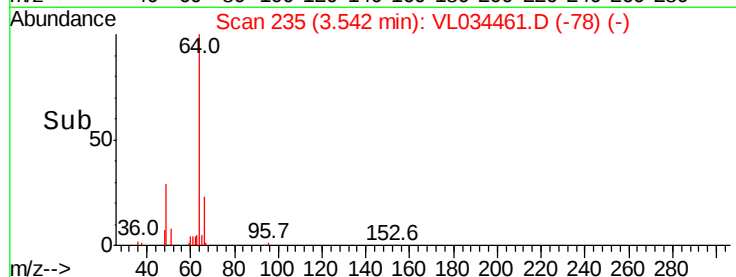
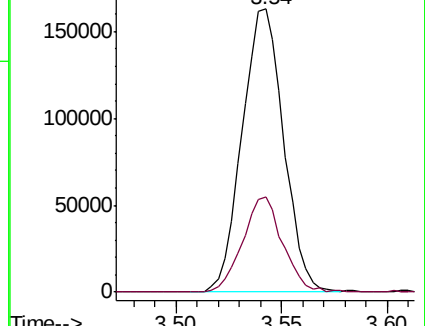
64 100

66 33.7 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.647 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034461.D

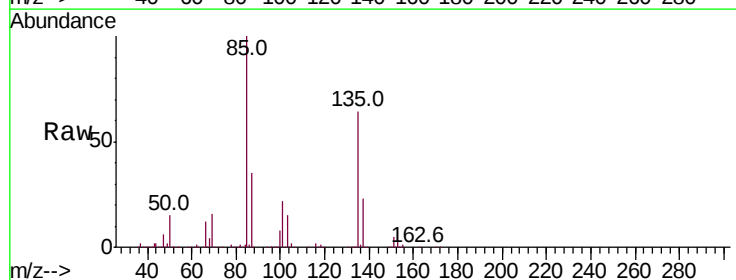
Acq: 3 Dec 2019 15:39

Tgt Ion: 85 Resp: 1408043

Ion Ratio Lower Upper

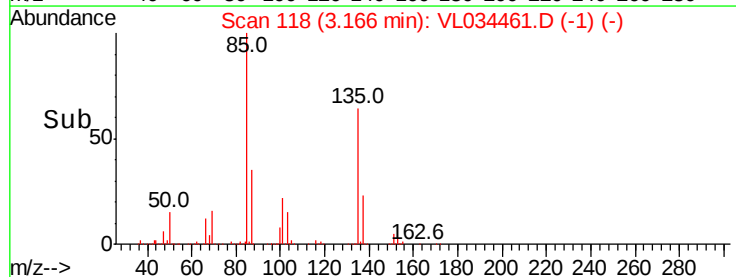
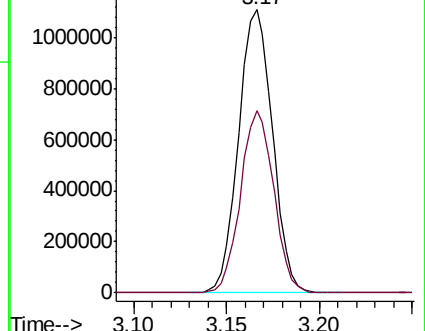
85 100

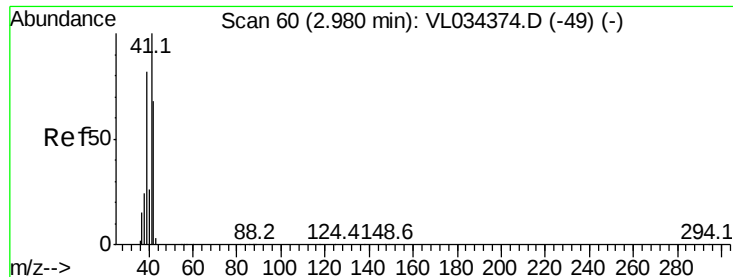
135 63.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.163 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

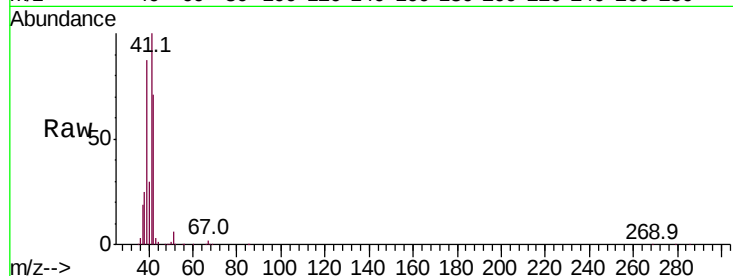
ClientSampleId :

Tot Ion: 41 Resp: 453224

Ion Ratio Lower Upper

41 100

42 69.7 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

300000

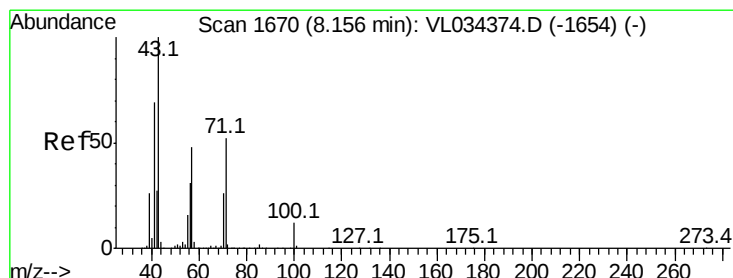
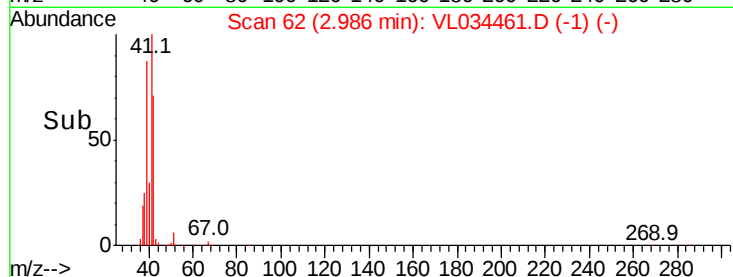
200000

100000

0

2.95 3.00

Time-->



#10

Heptane

Concen: 8.565 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VL034461.D

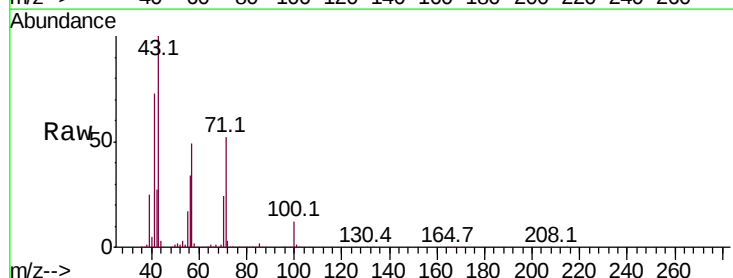
Acq: 3 Dec 2019 15:39

Tgt Ion: 43 Resp: 1227126

Ion Ratio Lower Upper

43 100

57 50.3 40.2 60.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.16

600000

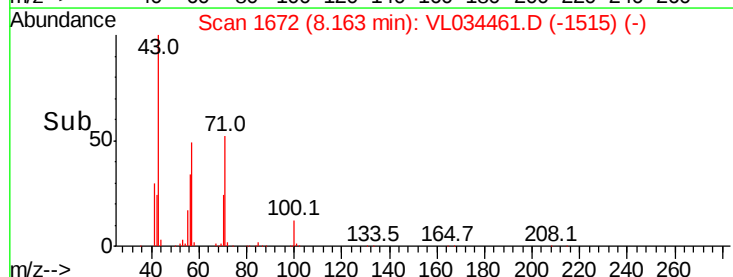
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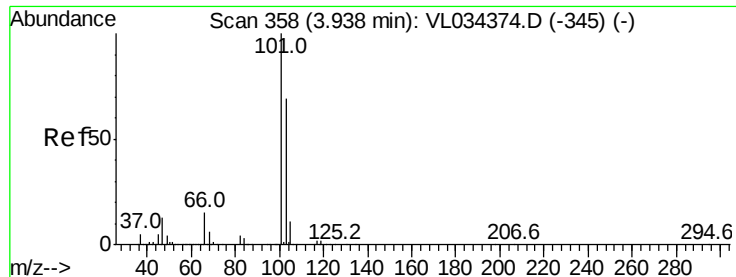
200000

0

8.10 8.15 8.20 8.25

Time-->

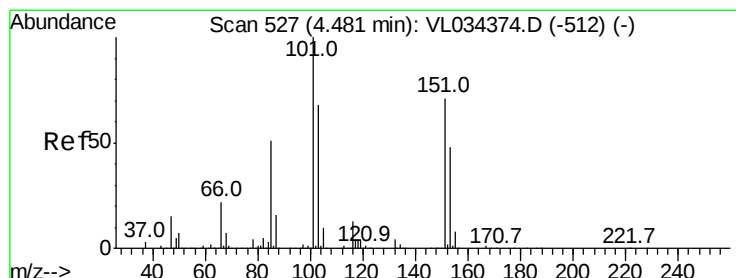
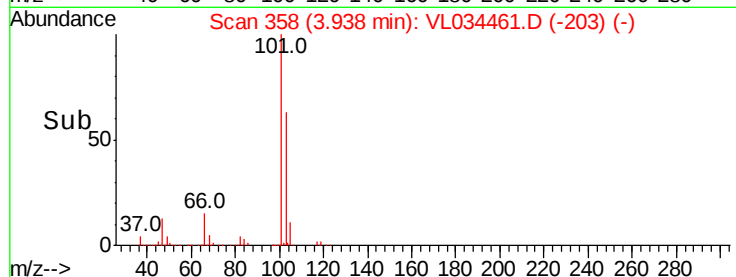
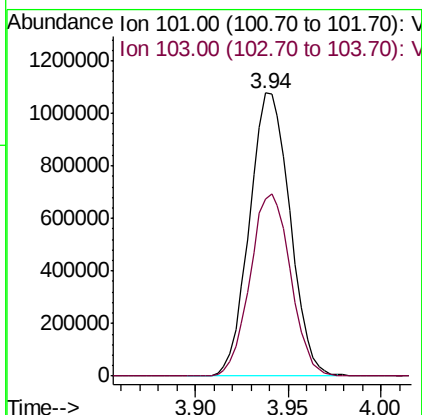
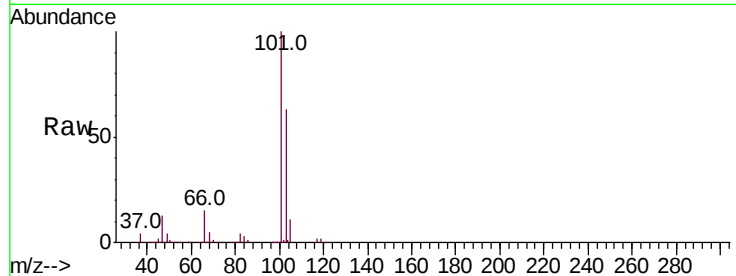




#11
 Trichlorofluoromethane
 Concen: 9.049 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

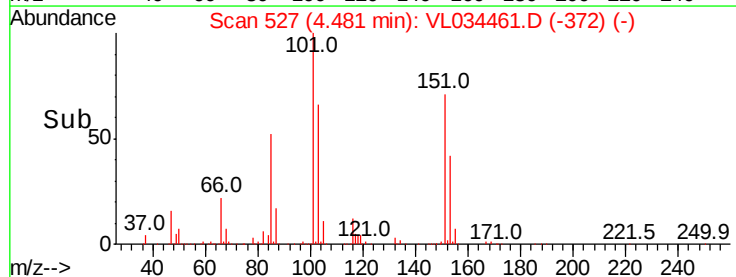
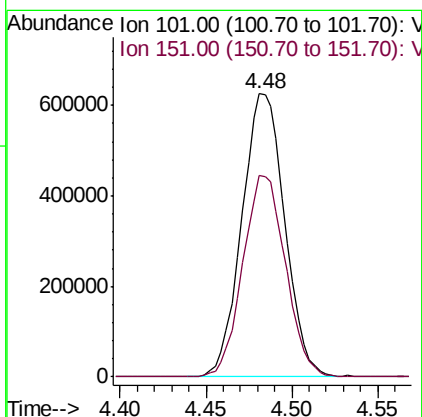
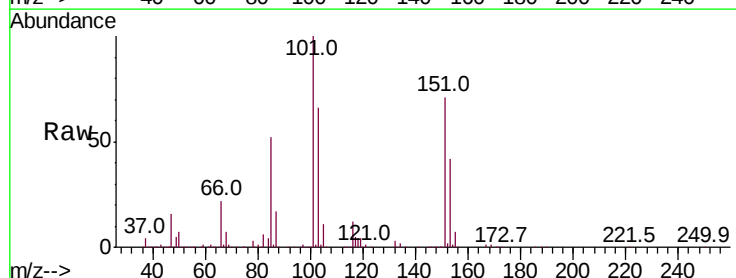
Instrument :
 MSVOA_L
 ClientSampleId :

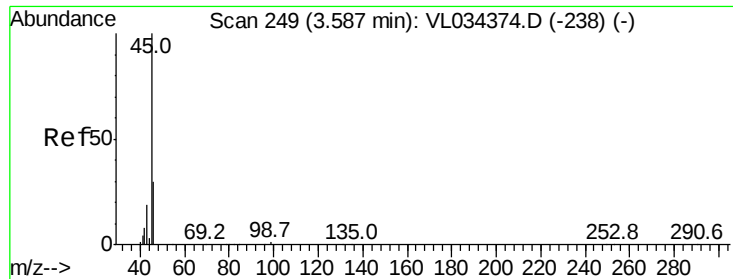
Tot Ion:101 Resp: 1632975
 Ion Ratio Lower Upper
 101 100
 103 62.8 55.4 83.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.013 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion:101 Resp: 1080114
 Ion Ratio Lower Upper
 101 100
 151 71.0 57.4 86.2

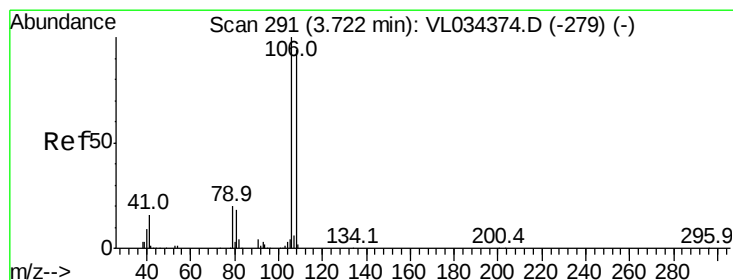
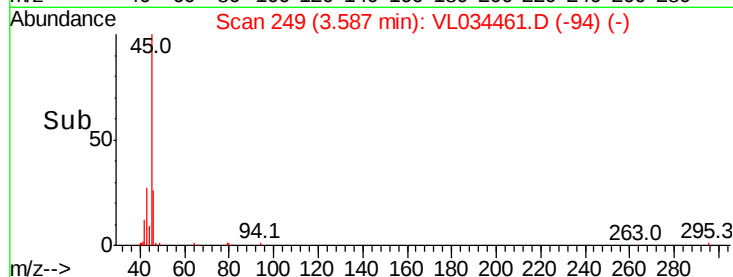
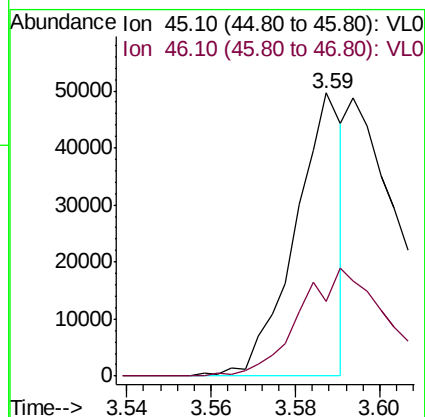
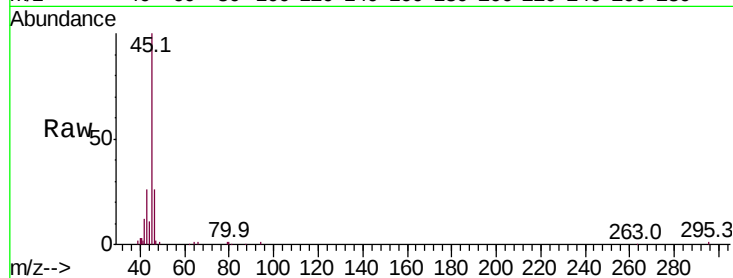




#13
Ethanol
Concen: 2.509 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

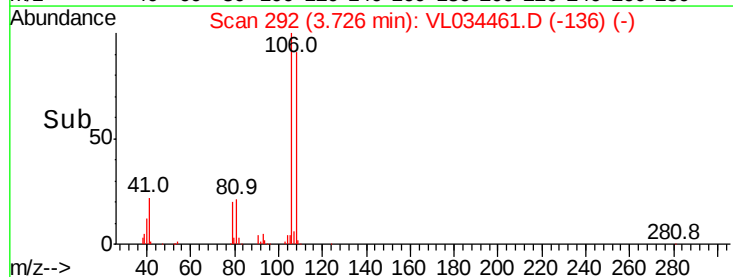
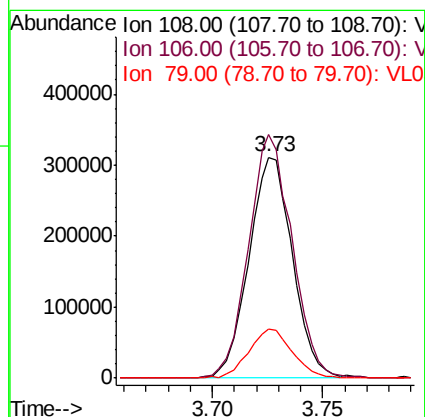
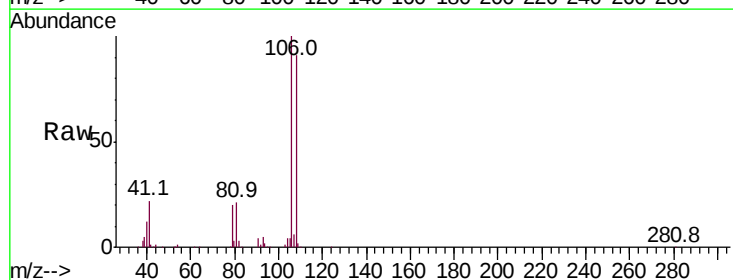
Instrument :
MSVOA_L
ClientSampled :

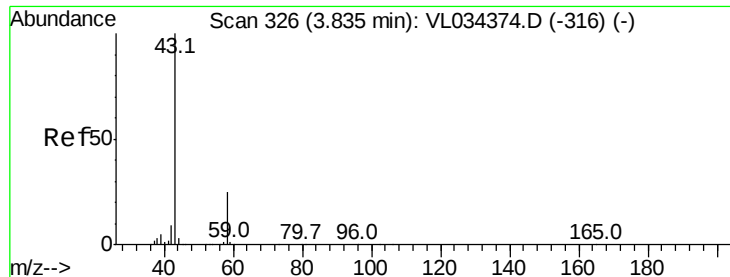
Tot Ion: 45 Resp: 38810
Ion Ratio Lower Upper
45 100
46 0.0 13.8 55.4#



#14
Bromoethene
Concen: 8.752 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 108 Resp: 426487
Ion Ratio Lower Upper
108 100
106 110.8 85.7 128.5
79 22.4 17.2 25.8





#15

Acetone

Concen: 9.343 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

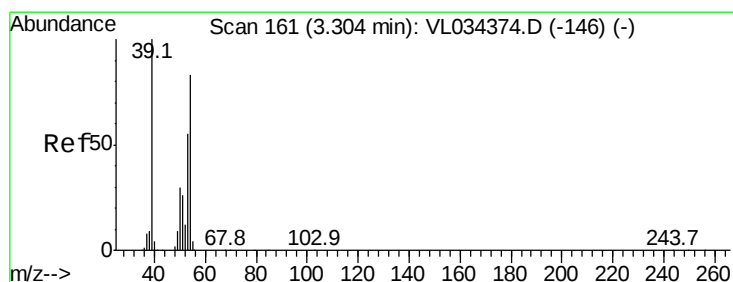
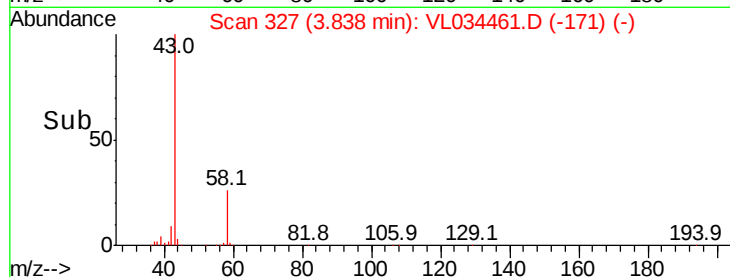
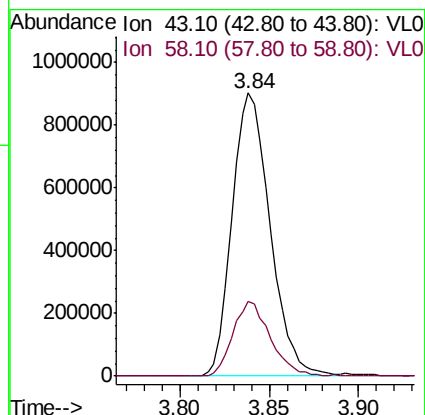
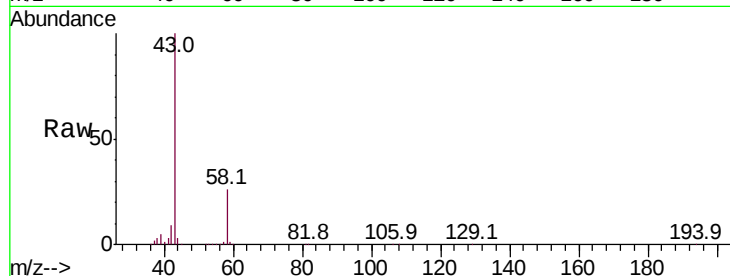
ClientSampleId :

Tot Ion: 43 Resp: 1340947

Ion Ratio Lower Upper

43 100

58 26.1 20.2 30.4



#16

1,3-Butadiene

Concen: 8.815 ppbv

RT: 3.31 min Scan# 162

Delta R.T. 0.00 min

Lab File: VL034461.D

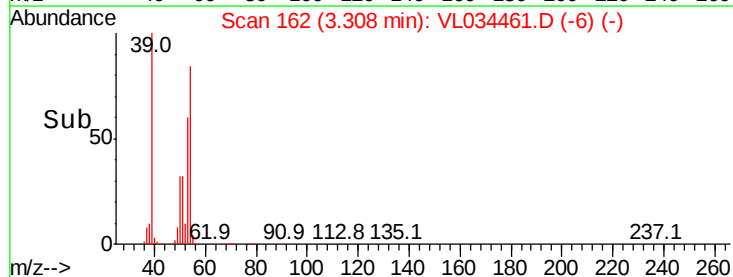
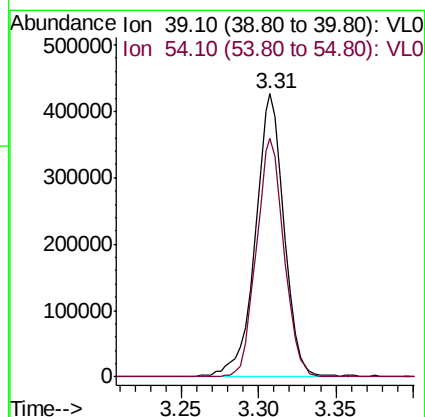
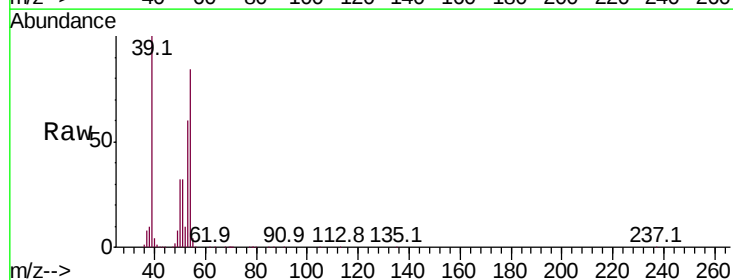
Acq: 3 Dec 2019 15:39

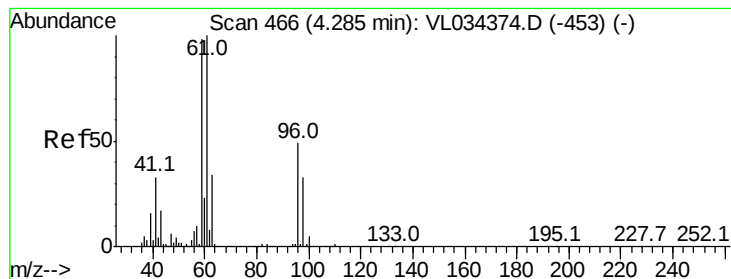
Tgt Ion: 39 Resp: 551087

Ion Ratio Lower Upper

39 100

54 81.3 64.7 97.1



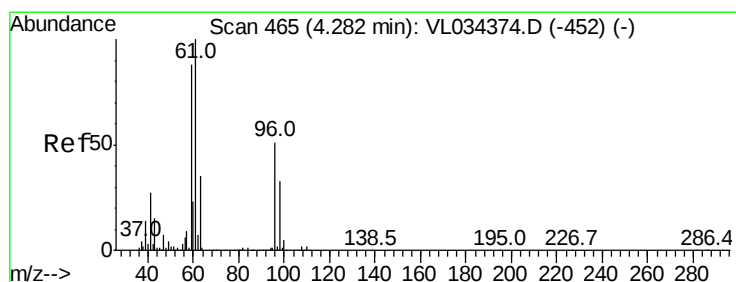
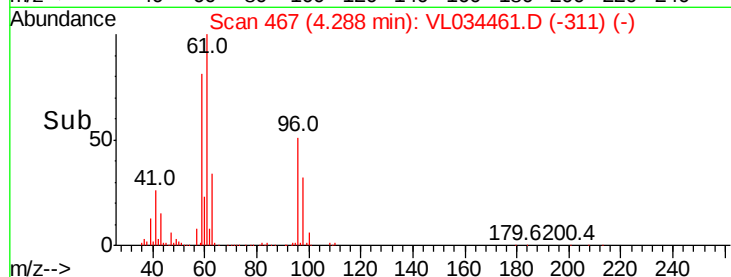
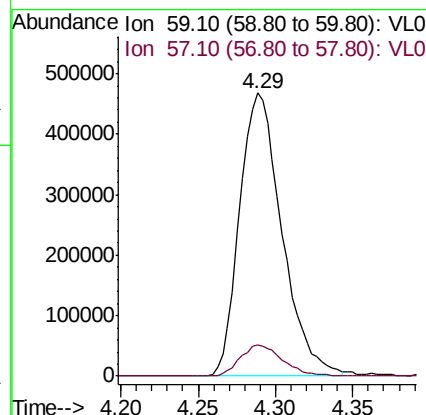
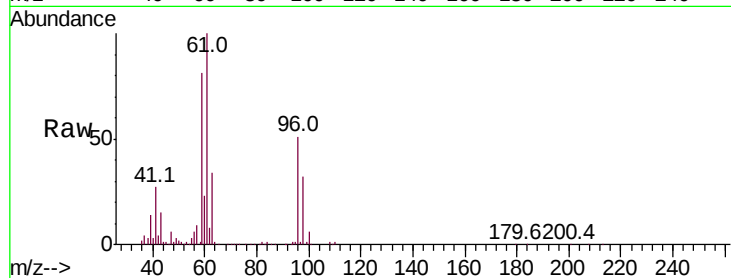


#17

tert-Butyl alcohol
Concen: 7.381 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :

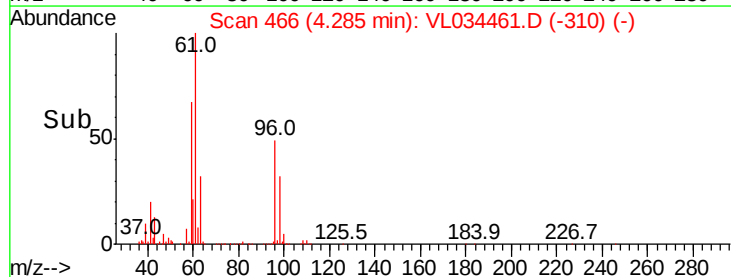
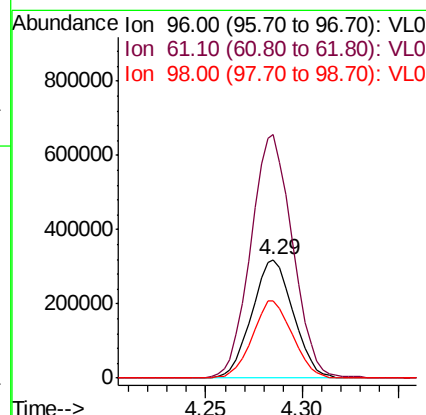
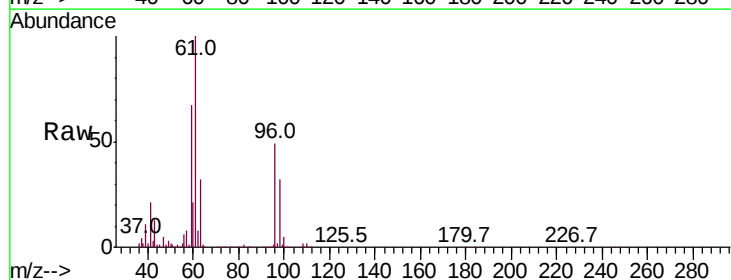
Tot Ion: 59 Resp: 890494
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

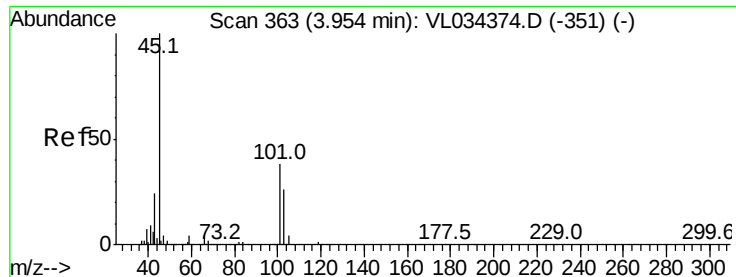


#18

1,1-Dichloroethene
Concen: 9.030 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 96 Resp: 473345
Ion Ratio Lower Upper
96 100
61 204.8 155.6 233.4
98 64.6 51.6 77.4





#19

Isopropyl Alcohol

Concen: 7.250 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

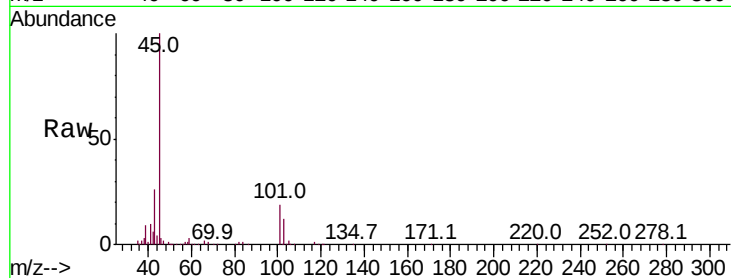
ClientSampleId :

Tot Ion: 45 Resp: 666978

Ion Ratio Lower Upper

45 100

58 2.1 1.3 1.9#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

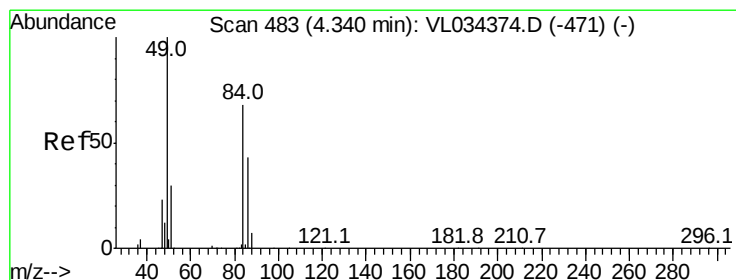
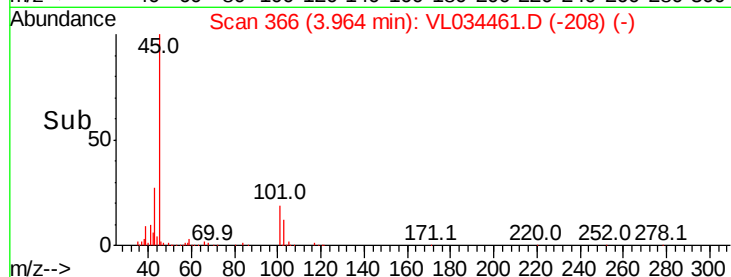
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.094 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 84 Resp: 411943

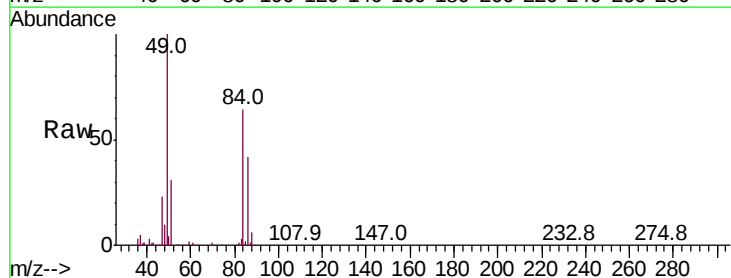
Ion Ratio Lower Upper

84 100

49 154.5 116.8 175.2

51 47.8 35.6 53.4

86 65.6 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

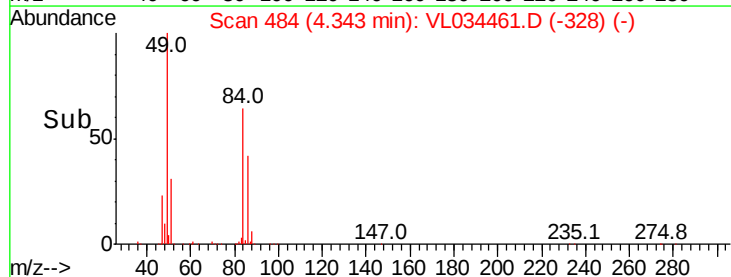
600000

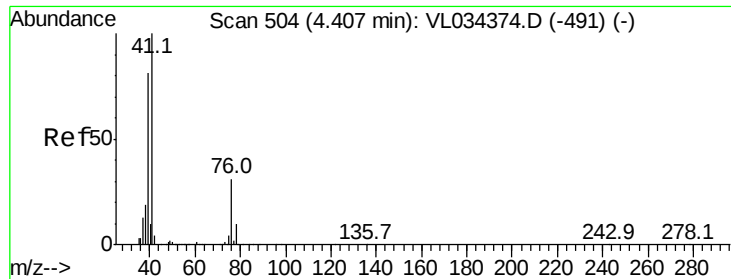
400000

200000

0

Time-->

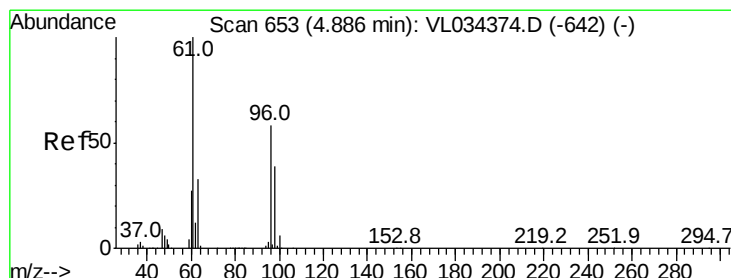
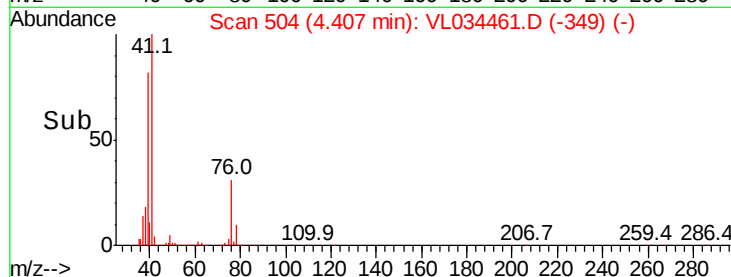
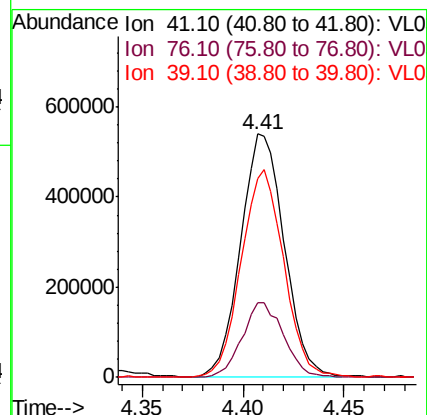
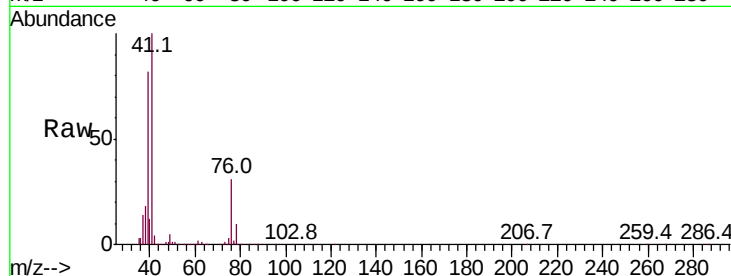




#21
Allvl Chloride
Concen: 9.429 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

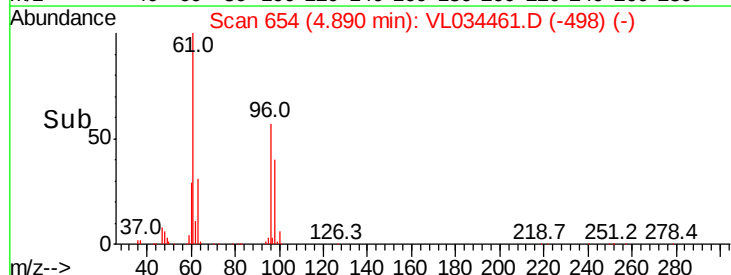
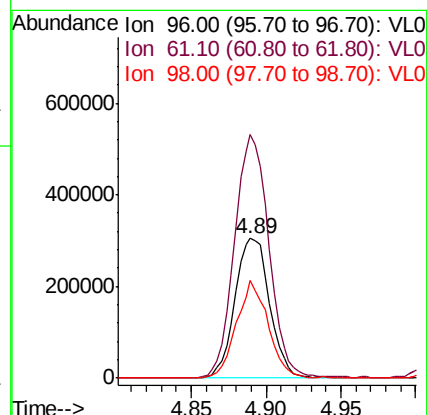
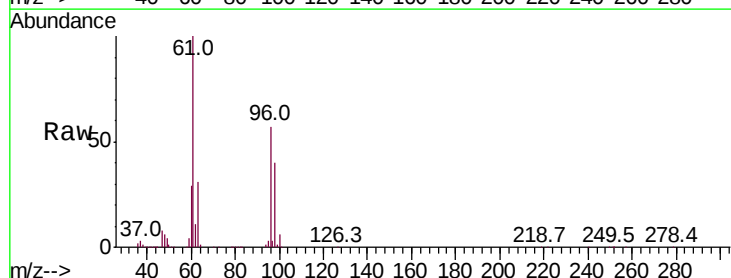
Instrument :
MSVOA_L
ClientSampled :

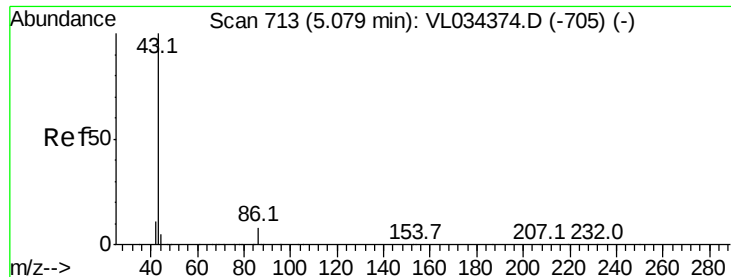
Tot Ion: 41 Resp: 810874
Ion Ratio Lower Upper
41 100
76 29.7 24.2 36.2
39 84.4 66.9 100.3



#22
trans-1,2-Dichloroethene
Concen: 9.331 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 96 Resp: 493088
Ion Ratio Lower Upper
96 100
61 174.3 137.9 206.9
98 70.1 53.5 80.3





#23

Vinyl Acetate

Concen: 9.473 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

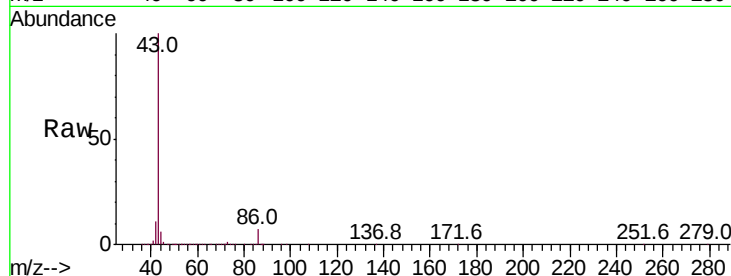
Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

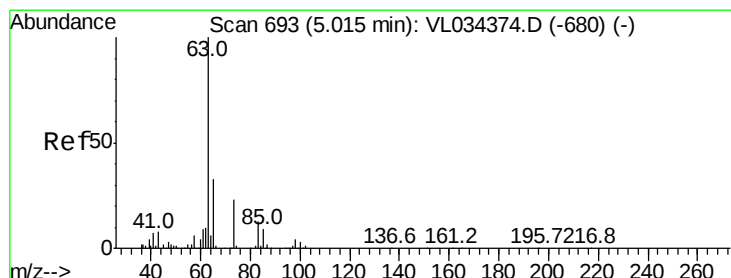
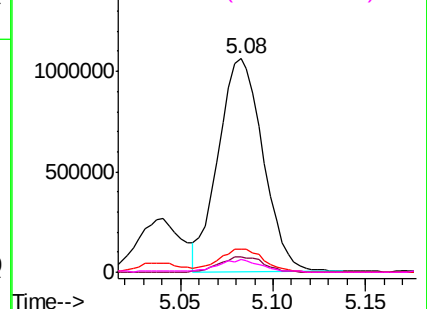
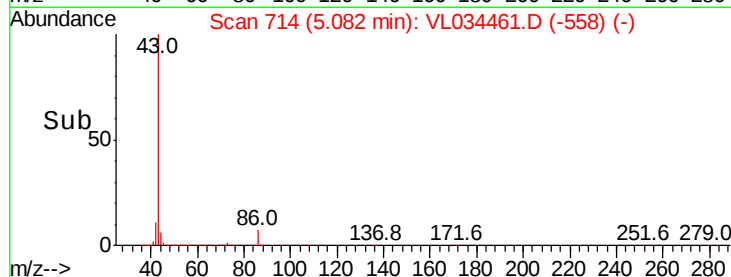
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1776025

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.6
42	10.8	8.9	13.3
44	6.2	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: 8.723 ppbv

RT: 5.02 min Scan# 694

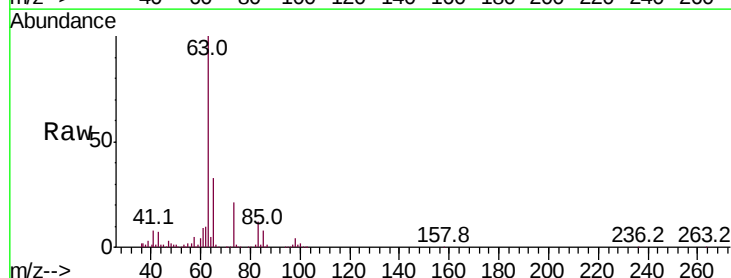
Delta R.T. 0.00 min

Lab File: VL034461.D

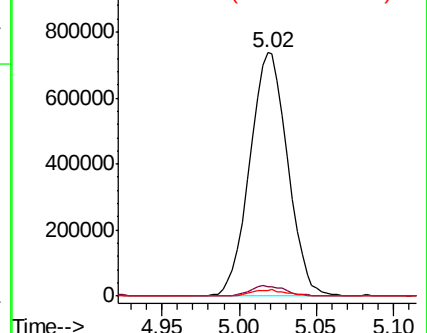
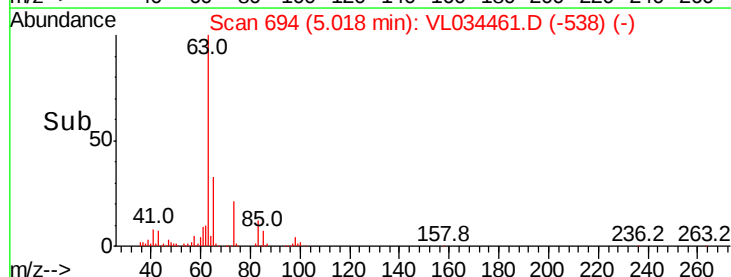
Acq: 3 Dec 2019 15:39

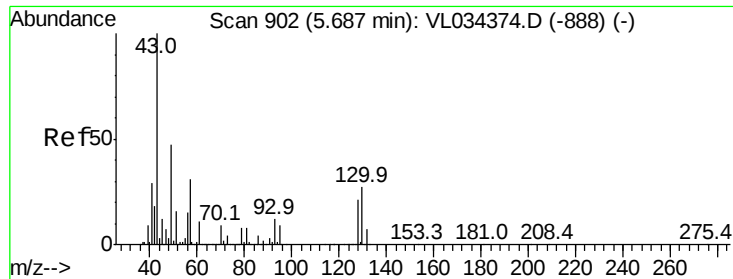
Tgt Ion: 63 Resp: 1256338

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.9	5.7
100	2.3	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

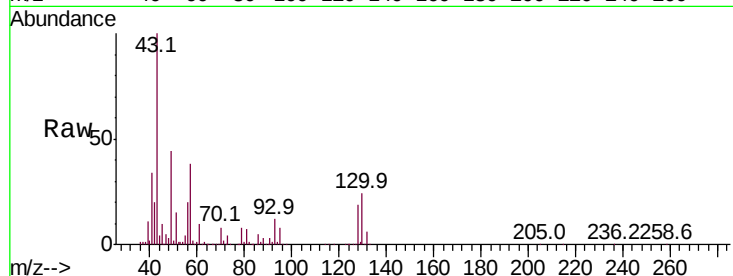




#25
Ethyl Acetate
Concen: 8.519 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	2181862
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	9.4	7.5	11.3
70	7.2	5.7	8.5



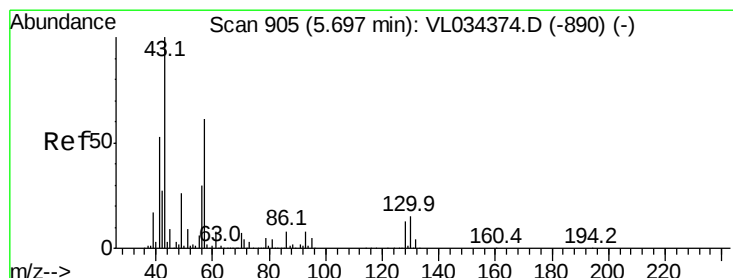
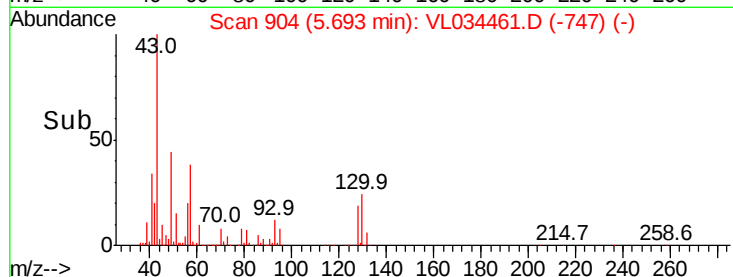
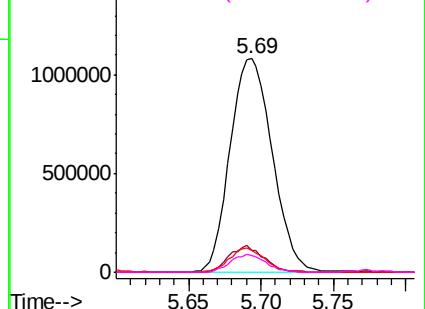
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

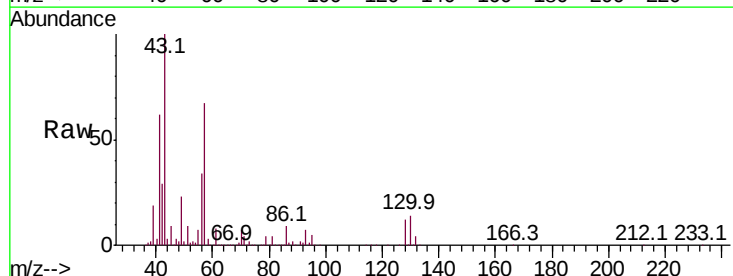
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.382 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion:	57	Resp:	922412
Ion	Ratio	Lower	Upper
57	100		
41	94.4	75.0	112.4
43	238.5	186.6	279.8
56	53.0	41.5	62.3



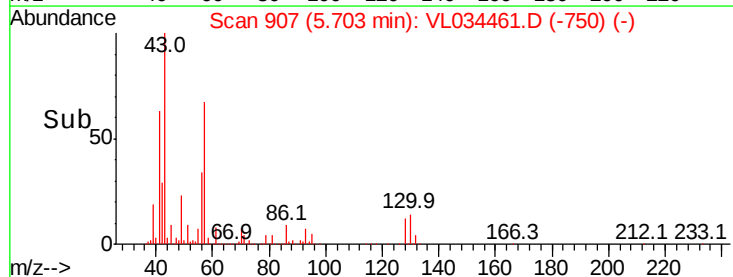
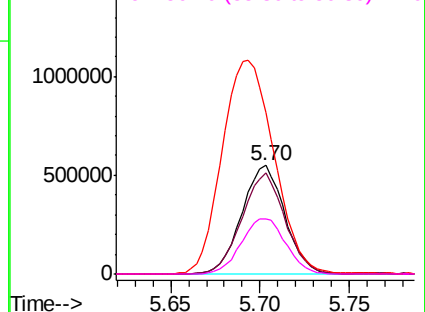
Abundance

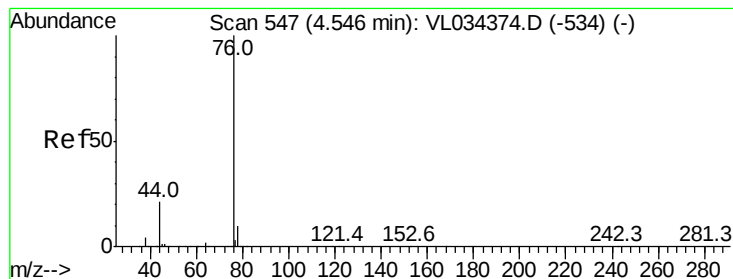
Ion 57.10 (56.80 to 57.80): VL0

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: 10.453 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

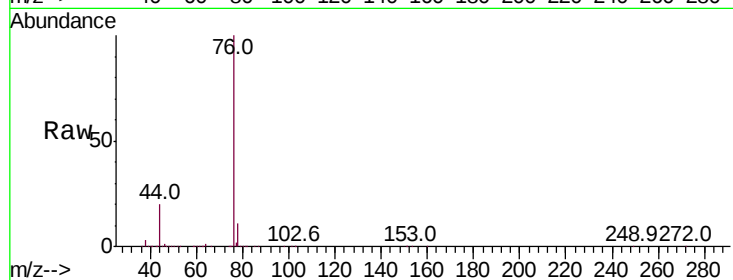
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1252907

Ion	Ratio	Lower	Upper
76	100		
44	20.4	17.0	25.4
78	9.5	7.6	11.4

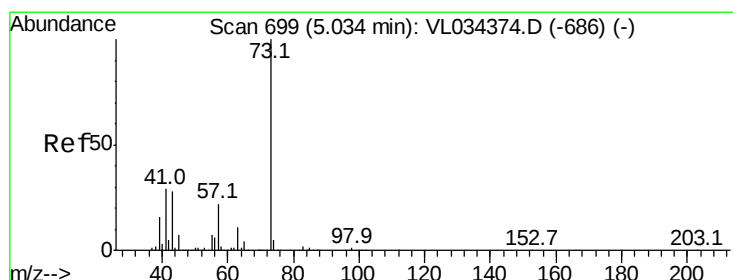
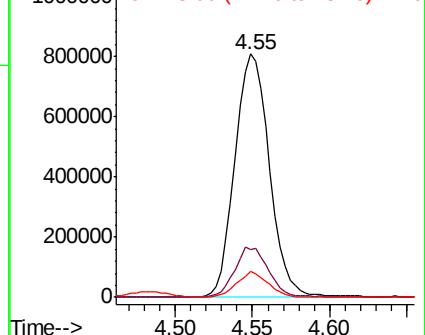
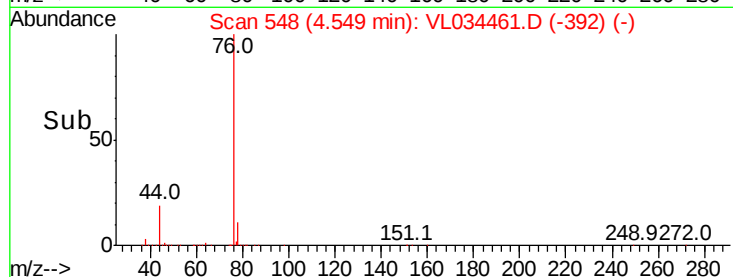


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.870 ppbv

RT: 5.04 min Scan# 700

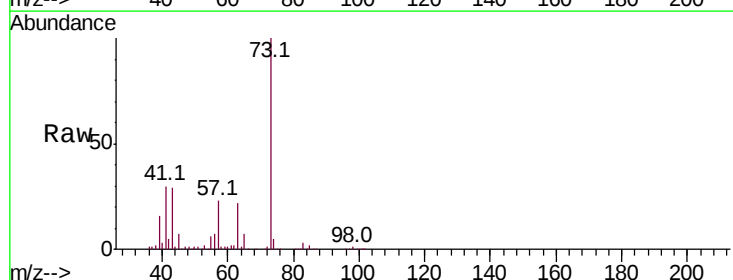
Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 73 Resp: 1618536

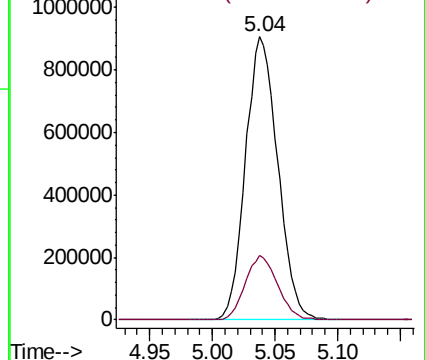
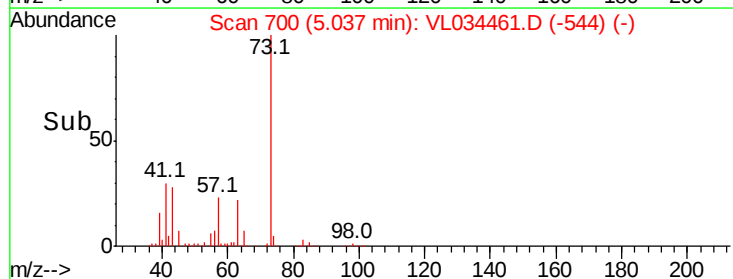
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.4	27.6

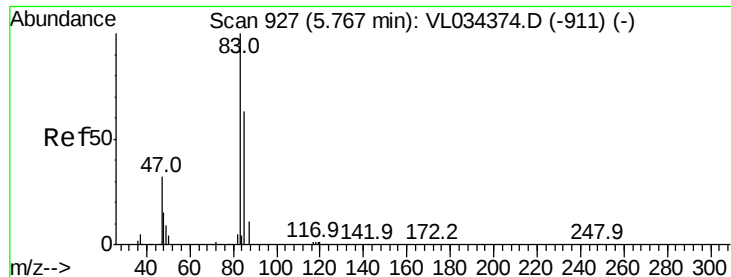


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

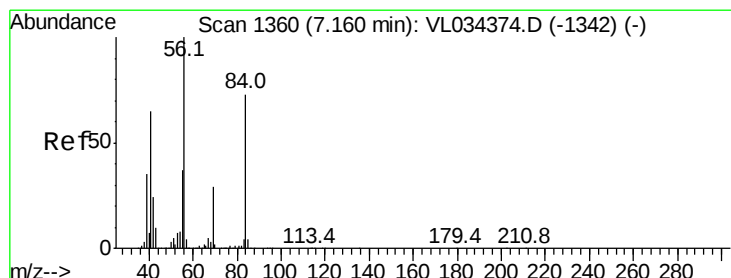
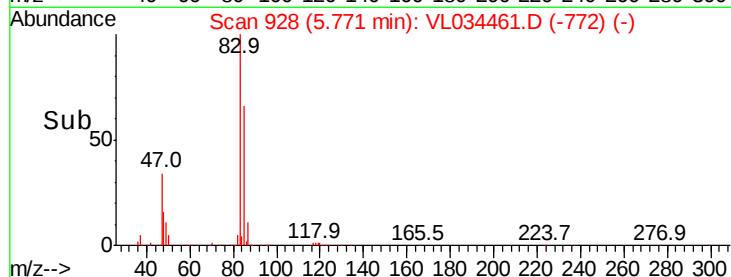
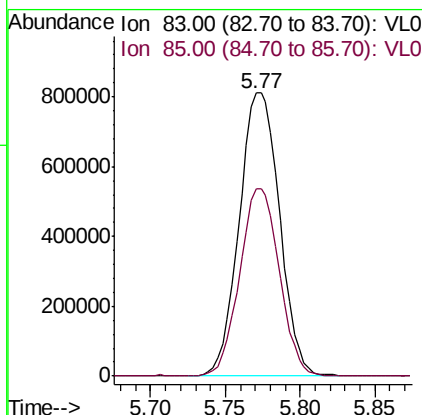
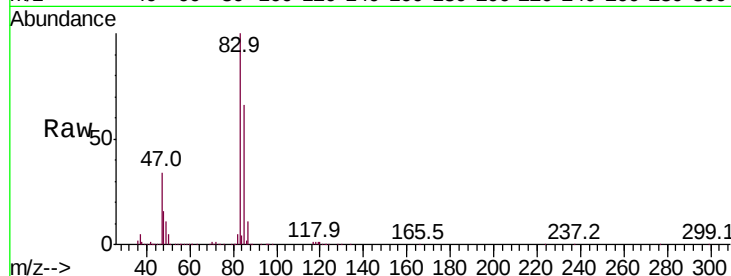




#29
Chloroform
Concen: 8.545 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

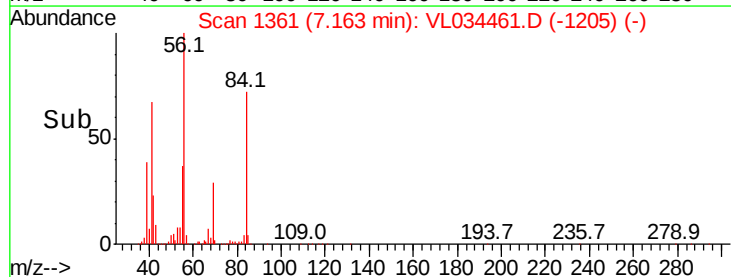
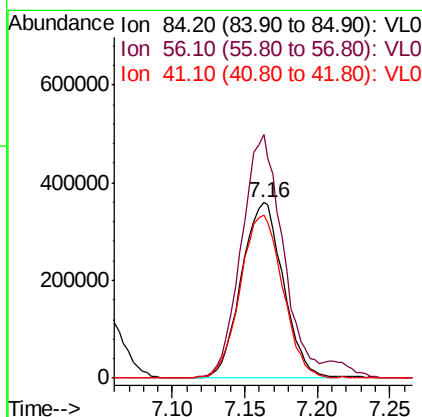
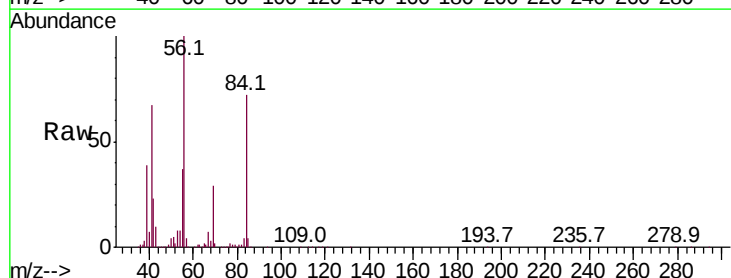
Instrument :
MSVOA_L
ClientSampleId :

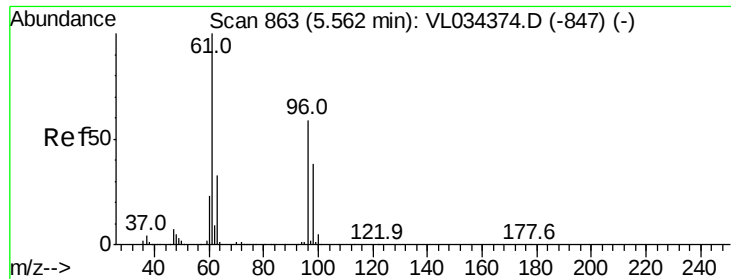
Tot Ion: 83 Resp: 1522833
Ion Ratio Lower Upper
83 100
85 66.0 50.4 75.6



#30
Cyclohexane
Concen: 8.722 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 84 Resp: 725652
Ion Ratio Lower Upper
84 100
56 143.3 112.6 169.0
41 94.2 73.4 110.2



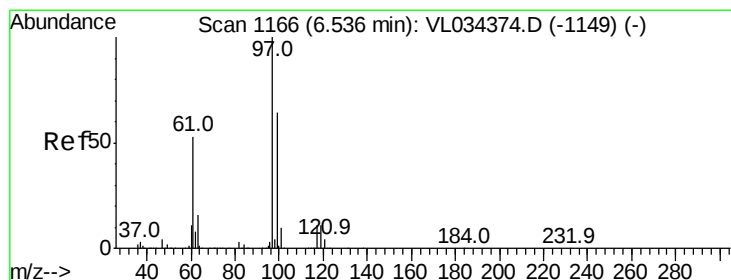
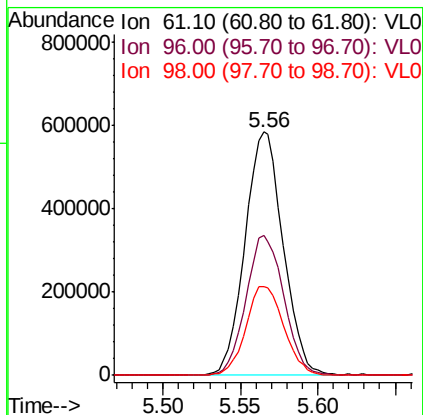
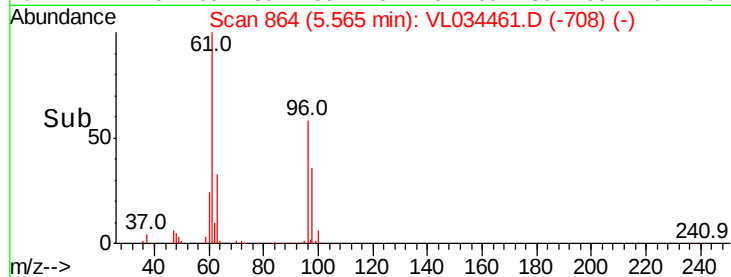
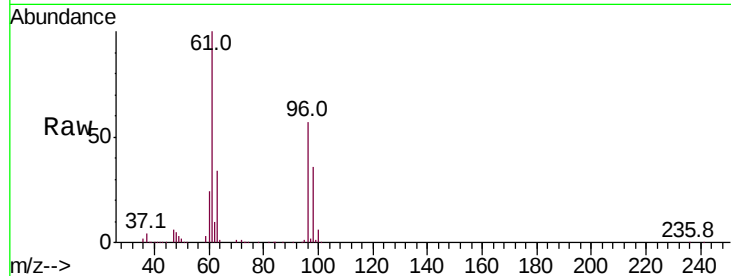


#31

cis-1,2-Dichloroethene
Concen: 8.821 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :

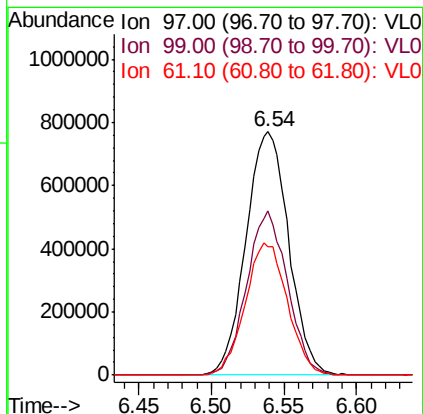
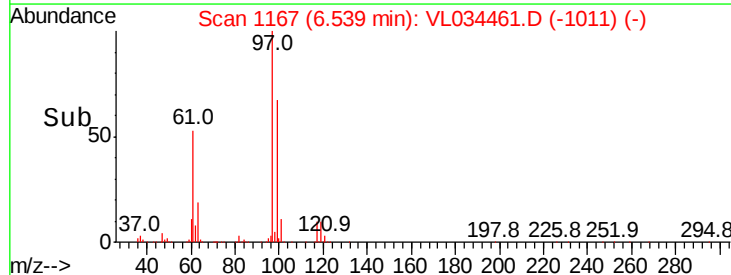
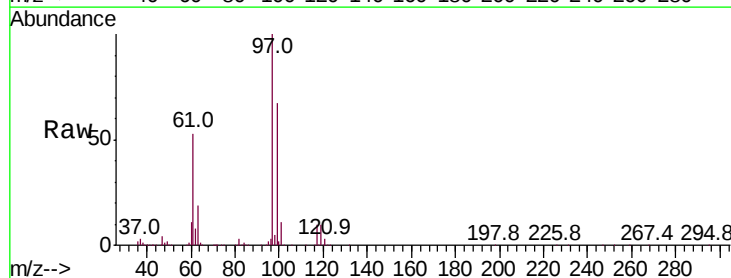
Tot Ion: 61 Resp: 1003196
Ion Ratio Lower Upper
61 100
96 57.3 47.4 71.2
98 36.2 30.6 45.8

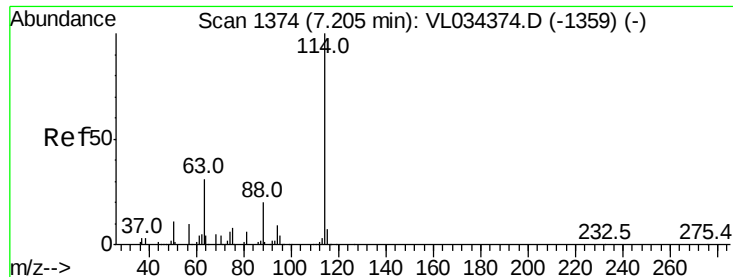


#32

1,1,1-Trichloroethane
Concen: 9.456 ppbv
RT: 6.54 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 97 Resp: 1580083
Ion Ratio Lower Upper
97 100
99 64.7 52.3 78.5
61 53.7 43.7 65.5

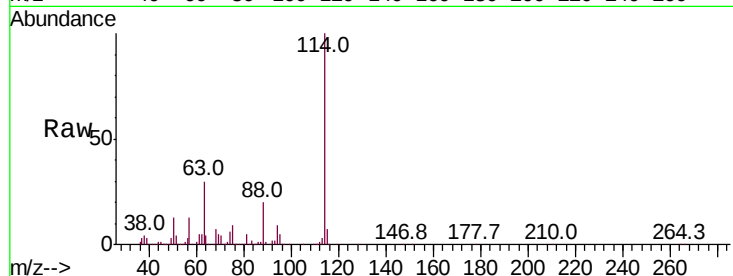




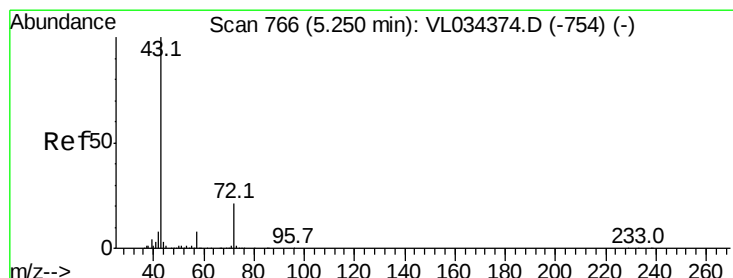
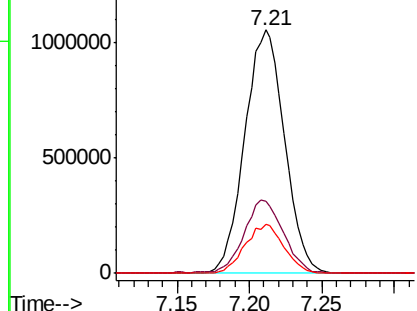
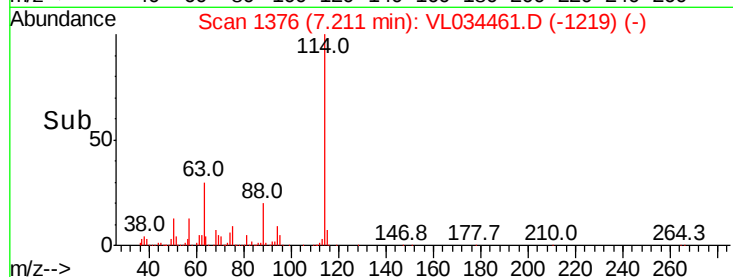
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 2014367
 Ion Ratio Lower Upper
 114 100
 63 30.2 24.2 36.4
 88 19.7 15.9 23.9

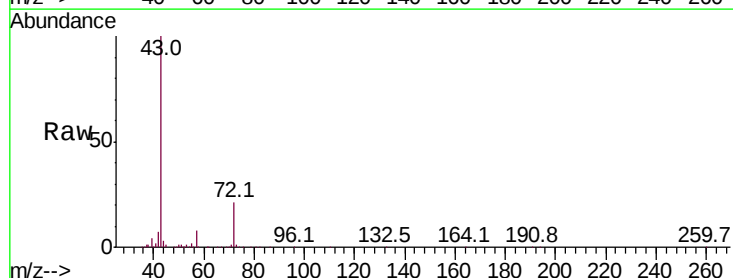


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

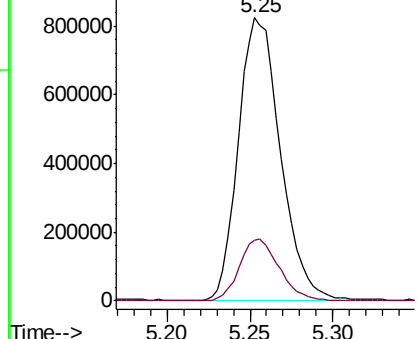
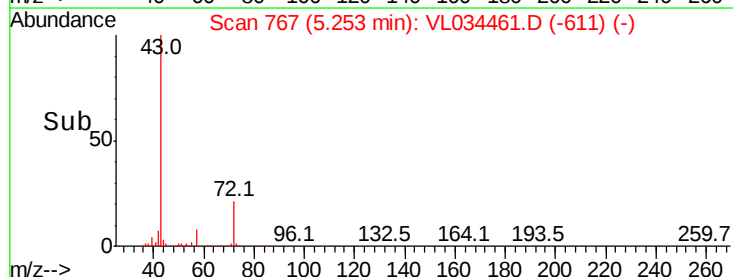


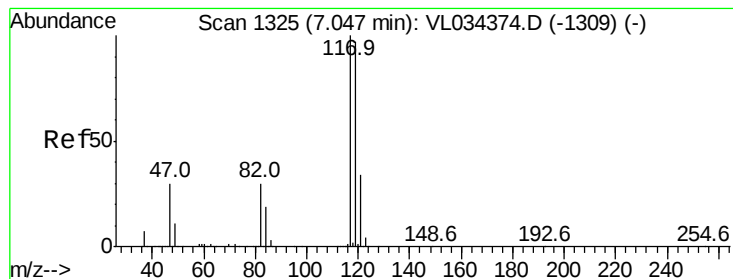
#34
 2-Butanone
 Concen: 8.798 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion: 43 Resp: 1458738
 Ion Ratio Lower Upper
 43 100
 72 20.7 17.0 25.6



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





#35

Carbon Tetrachloride

Concen: 9.515 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

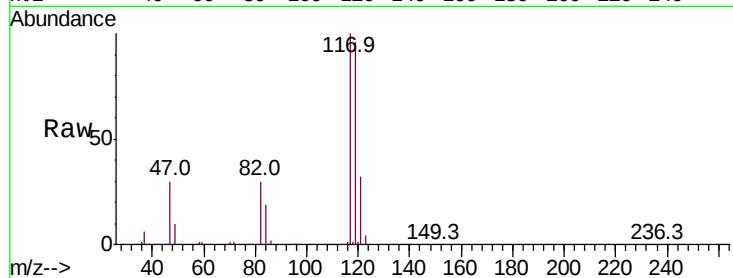
Tot Ion:117 Resp: 1648016

Ion Ratio Lower Upper

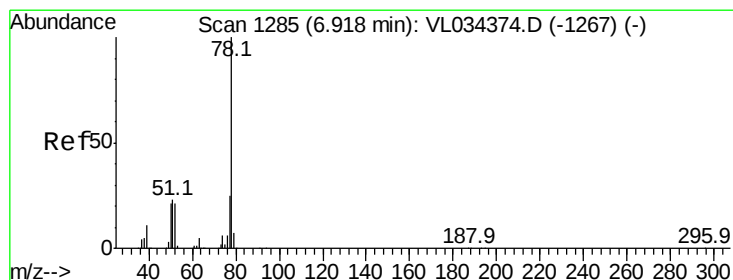
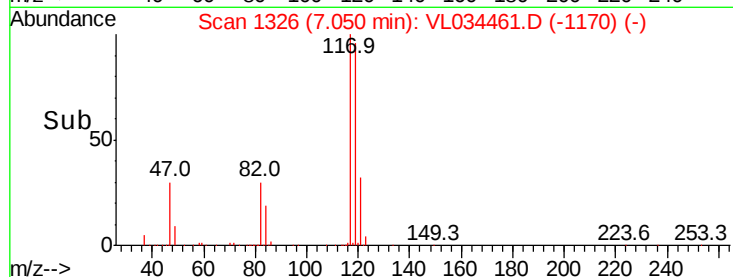
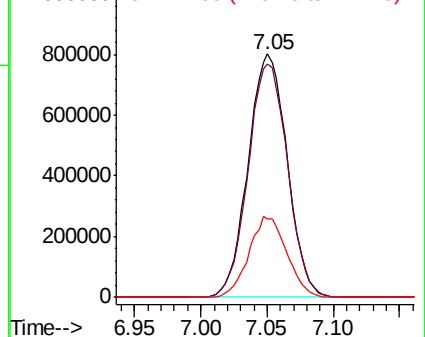
117 100

119 96.0 77.3 115.9

121 32.0 27.4 41.2



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



#36

Benzene

Concen: 8.695 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

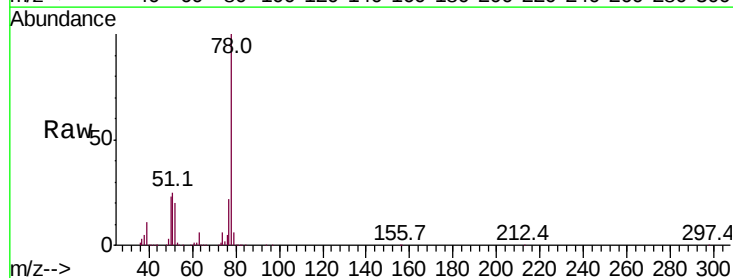
Tgt Ion: 78 Resp: 1750914

Ion Ratio Lower Upper

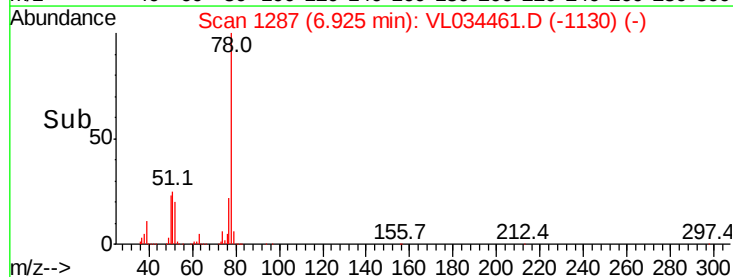
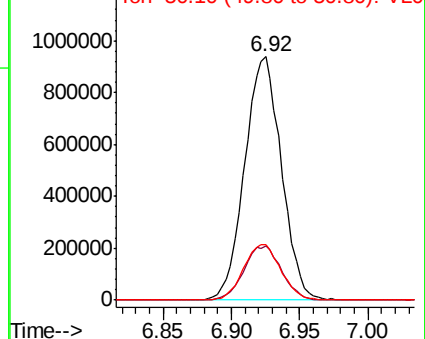
78 100

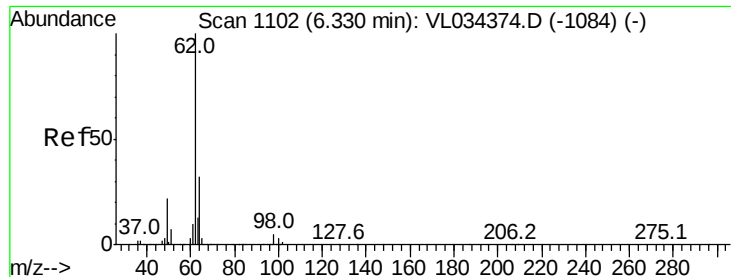
77 22.4 20.2 30.4

50 22.6 17.1 25.7



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





#37

1,2-Dichloroethane

Concen: 9.042 ppbv

RT: 6.33 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

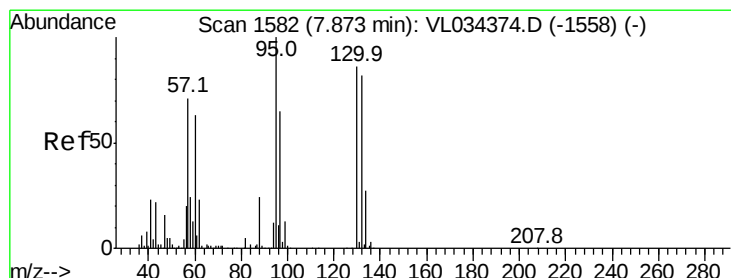
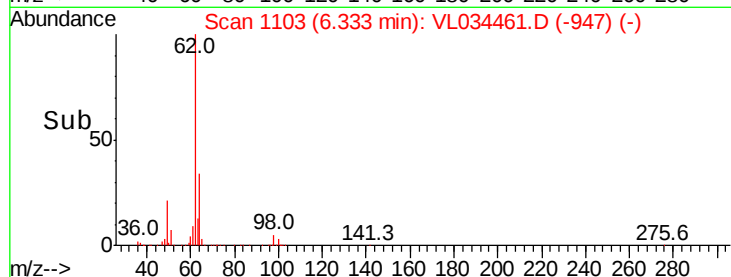
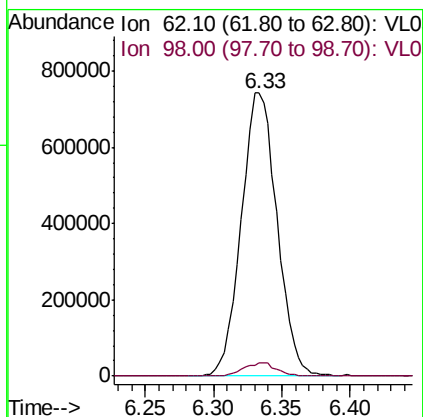
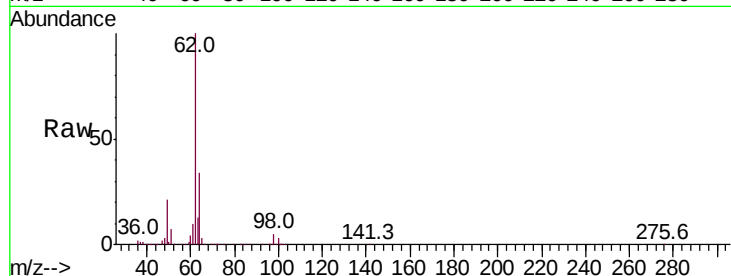
ClientSampleId :

Tot Ion: 62 Resp: 1352602

Ion Ratio Lower Upper

62 100

98 4.5 3.8 5.8



#38

Trichloroethene

Concen: 8.933 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:130 Resp: 738189

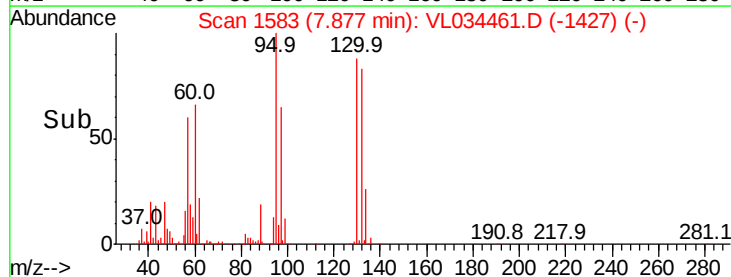
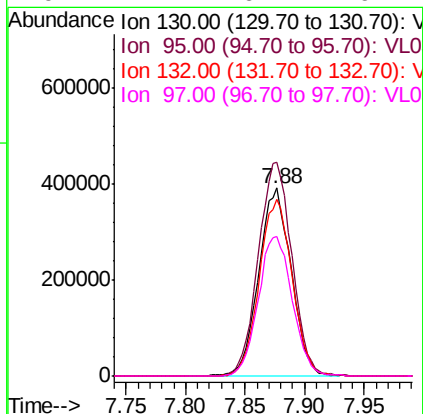
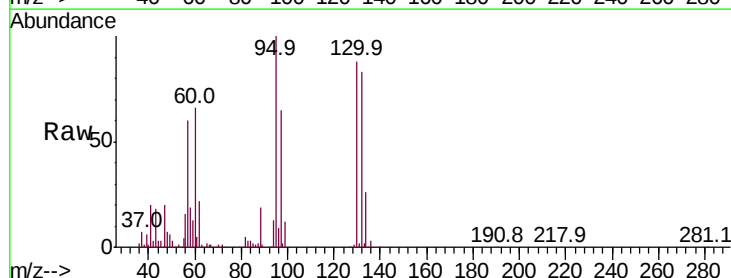
Ion Ratio Lower Upper

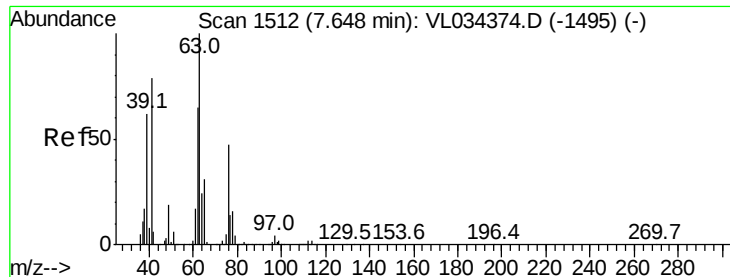
130 100

95 113.8 93.4 140.0

132 94.4 76.4 114.6

97 74.1 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.403 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

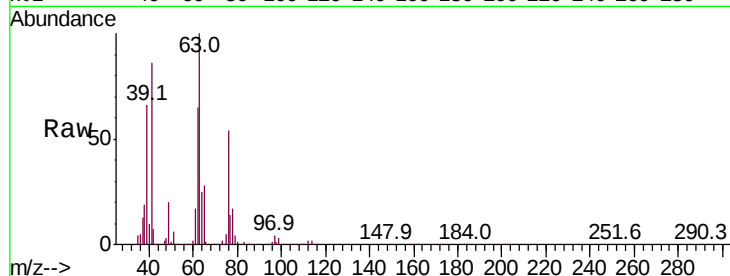
Tot Ion: 63 Resp: 729416

Ion Ratio Lower Upper

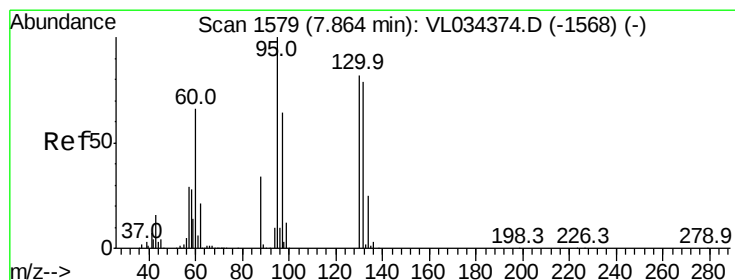
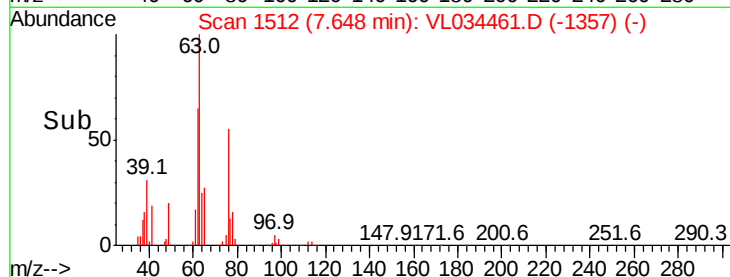
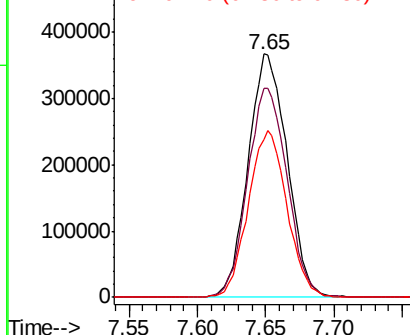
63 100

41 86.0 63.1 94.7

62 64.9 52.3 78.5



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: 6.801 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 88 Resp: 230457

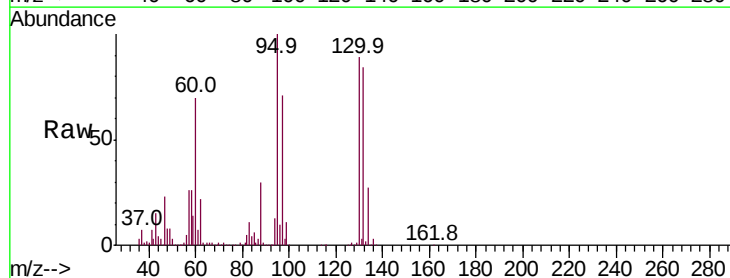
Ion Ratio Lower Upper

88 100

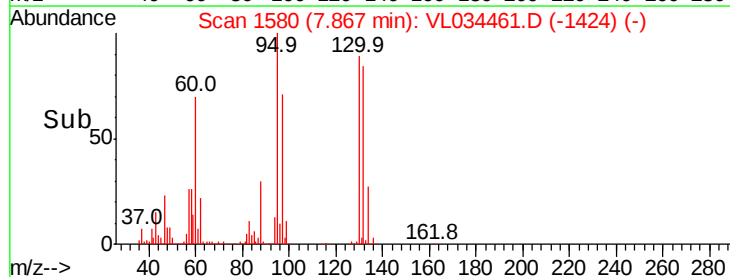
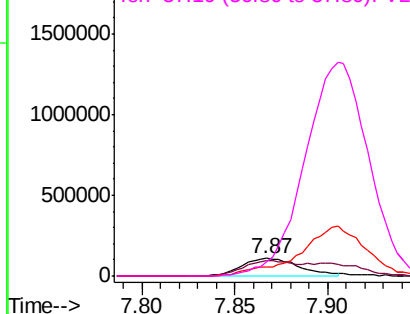
58 151.6 109.5 164.3

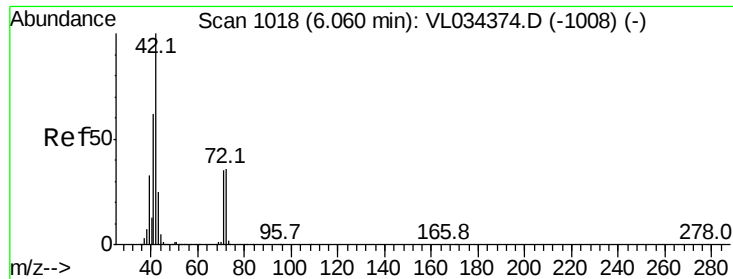
43 0.0 0.0 0.0

57 0.0 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: 8.652 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

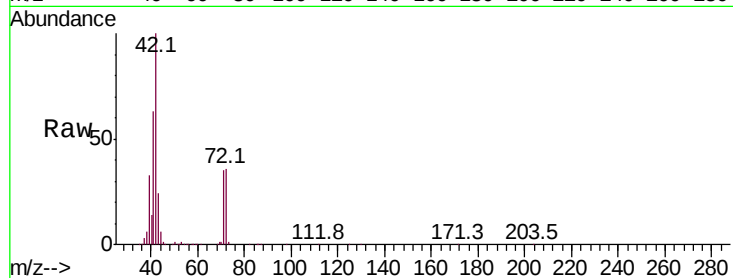
Tot Ion: 42 Resp: 804621

Ion Ratio Lower Upper

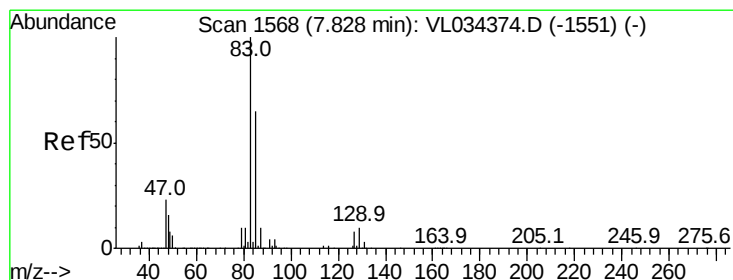
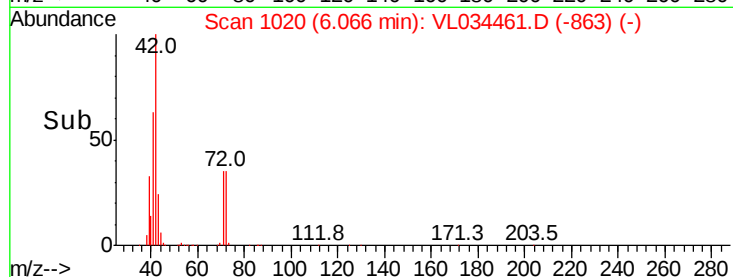
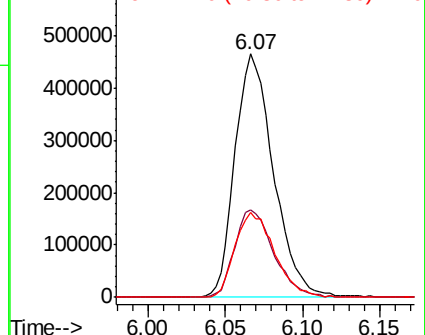
42 100

72 36.6 30.2 45.4

71 35.9 29.4 44.2



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



#42

Bromodichloromethane

Concen: 9.113 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

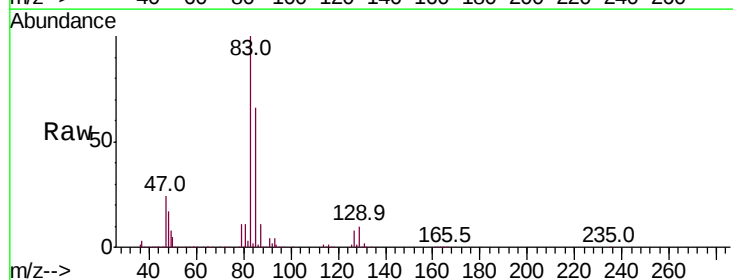
Tgt Ion: 83 Resp: 1704963

Ion Ratio Lower Upper

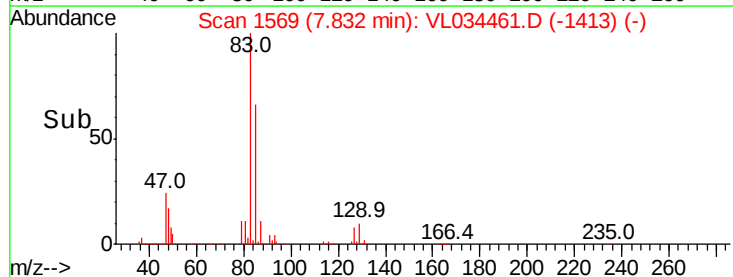
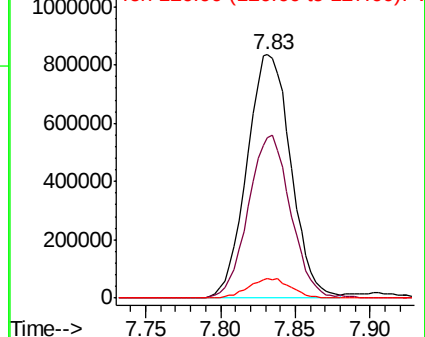
83 100

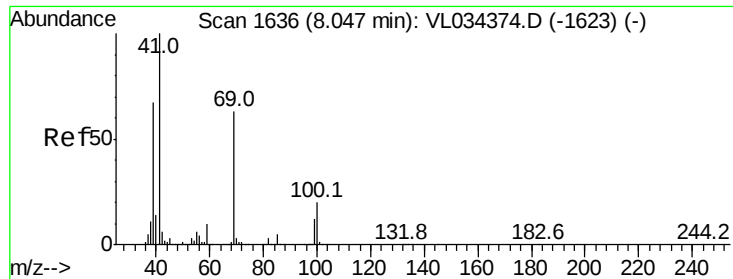
85 65.9 52.3 78.5

127 8.2 6.1 9.1



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

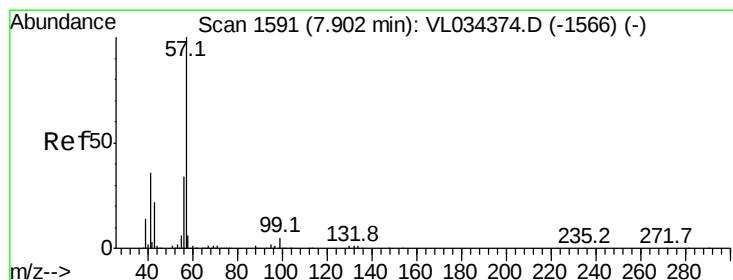
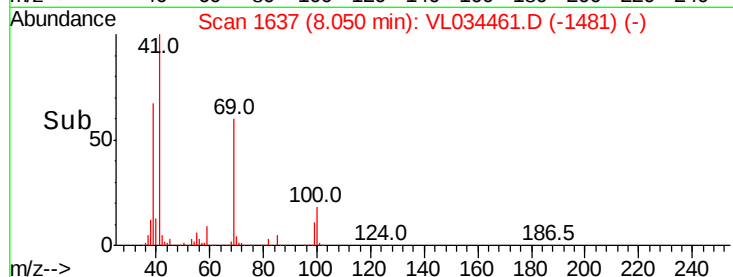
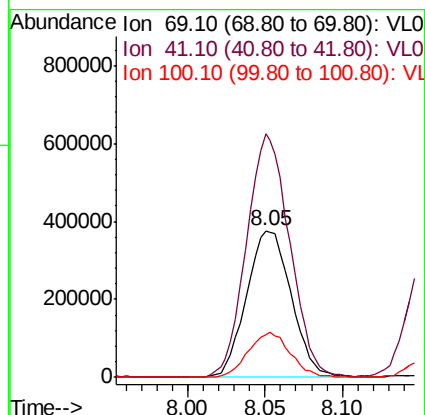
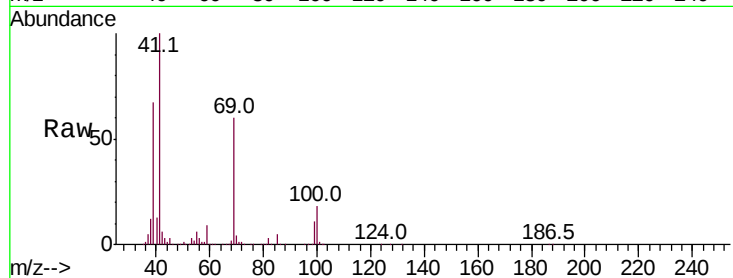




#43
Methvl Methacrylate
Concen: 9.040 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

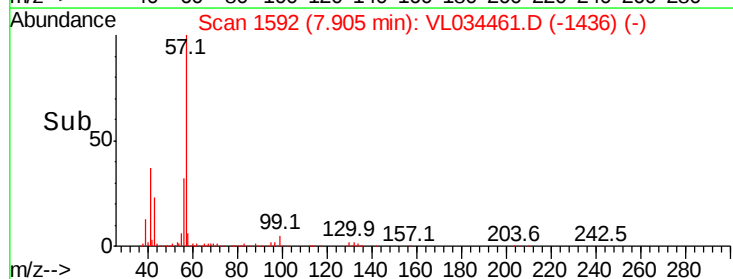
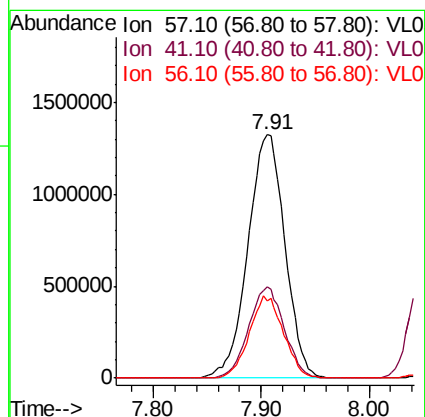
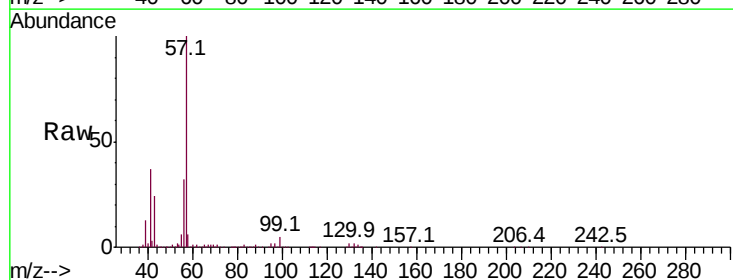
Instrument :
MSVOA_L
ClientSampleId :

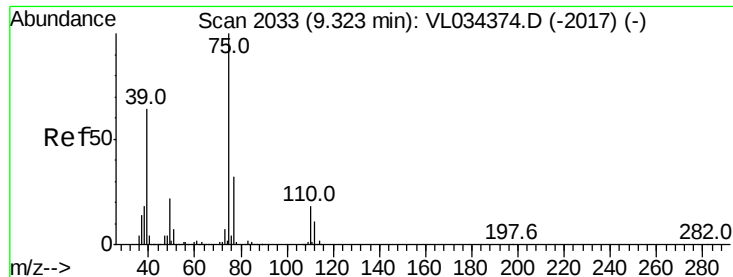
Tot Ion: 69 Resp: 755013
Ion Ratio Lower Upper
69 100
41 160.6 127.4 191.2
100 29.0 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 8.559 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 57 Resp: 3149781
Ion Ratio Lower Upper
57 100
41 36.1 28.6 42.8
56 31.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 9.843 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

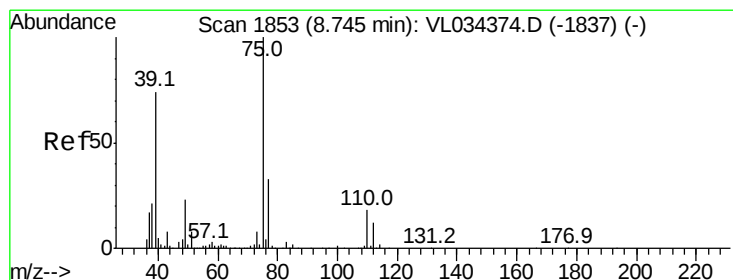
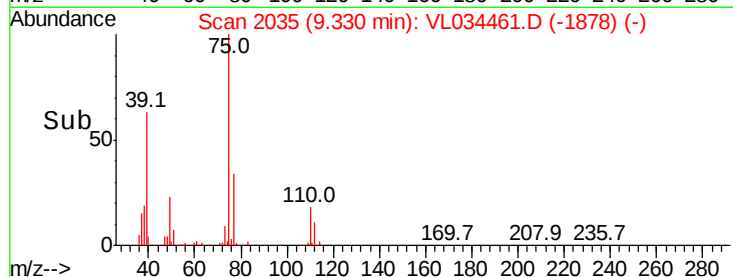
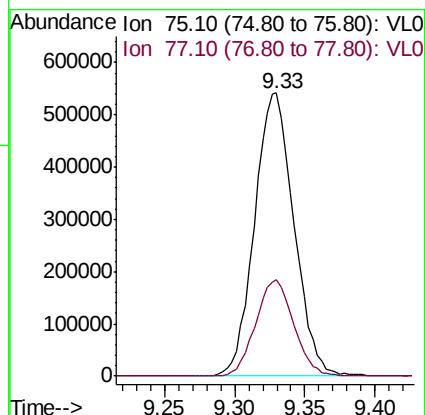
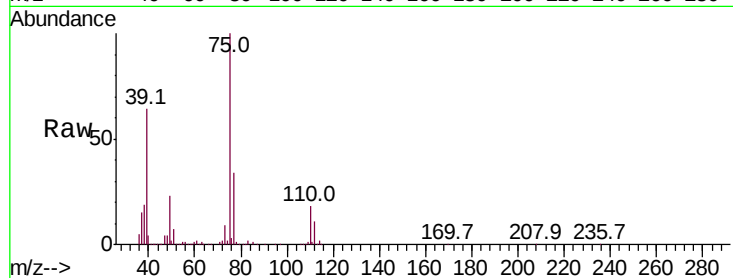
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1054308

Ion Ratio Lower Upper

75 100

77 34.2 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 9.737 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

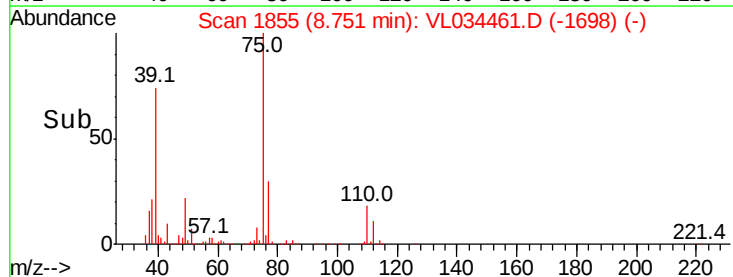
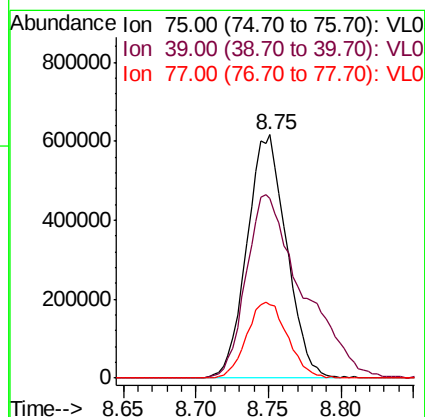
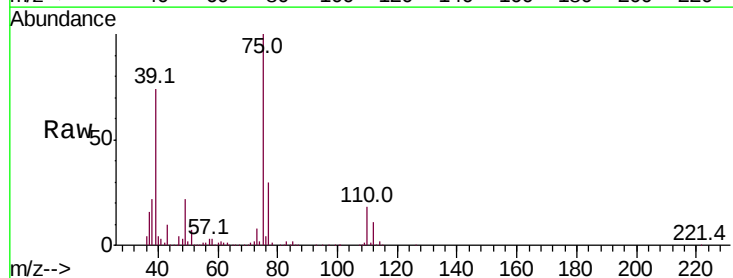
Tgt Ion: 75 Resp: 1171507

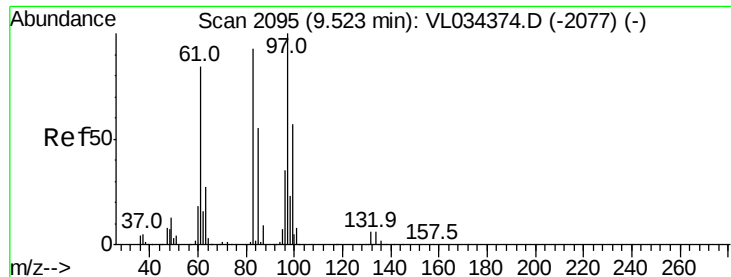
Ion Ratio Lower Upper

75 100

39 73.6 59.0 88.6

77 30.2 26.4 39.6





#47

1,1,2-Trichloroethane

Concen: 8.561 ppbv

RT: 9.53 min Scan# 2096

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 97 Resp: 738831

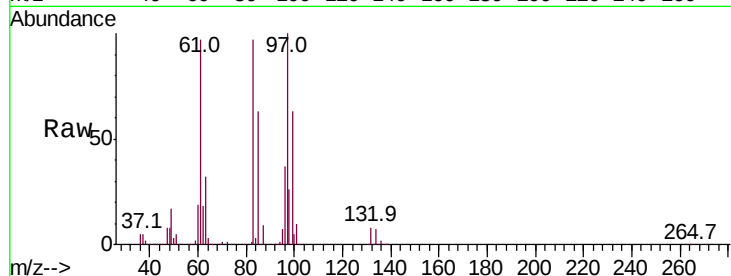
Ion Ratio Lower Upper

97 100

83 97.4 74.6 112.0

85 63.4 43.8 65.8

99 62.9 45.6 68.4

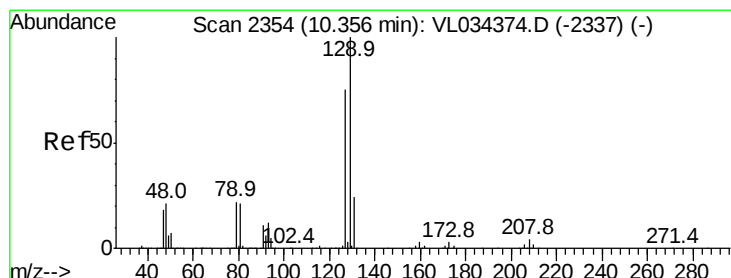
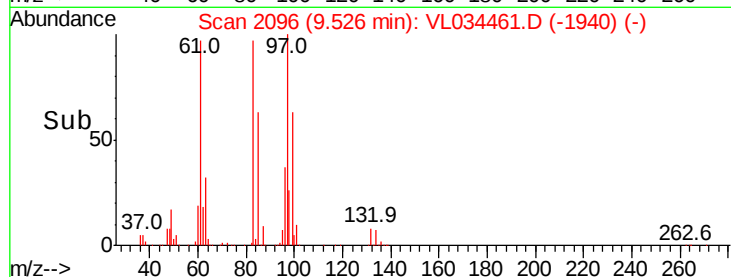
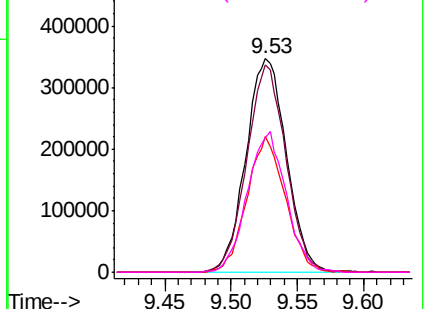


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.472 ppbv

RT: 10.36 min Scan# 2356

Delta R.T. 0.01 min

Lab File: VL034461.D

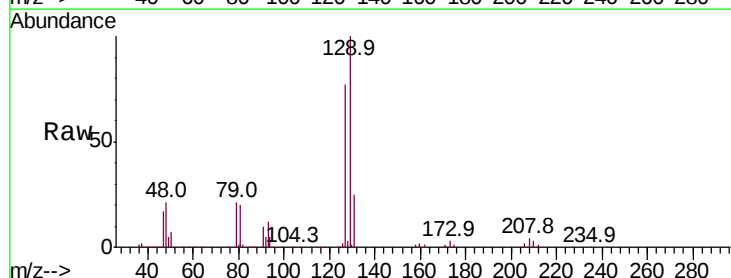
Acq: 3 Dec 2019 15:39

Tgt Ion: 129 Resp: 1403478

Ion Ratio Lower Upper

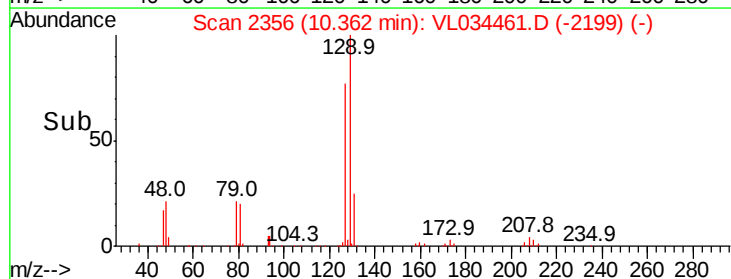
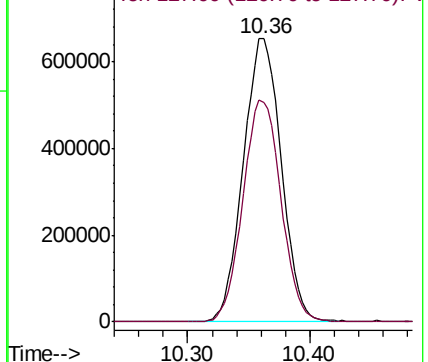
129 100

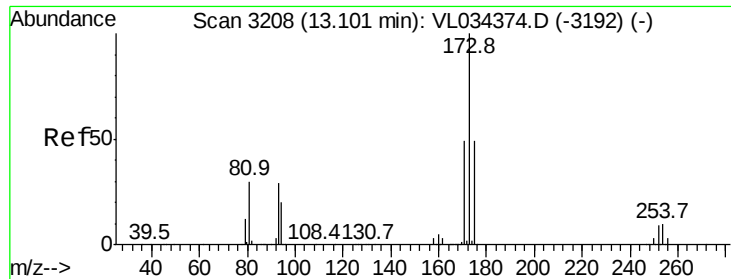
127 78.8 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

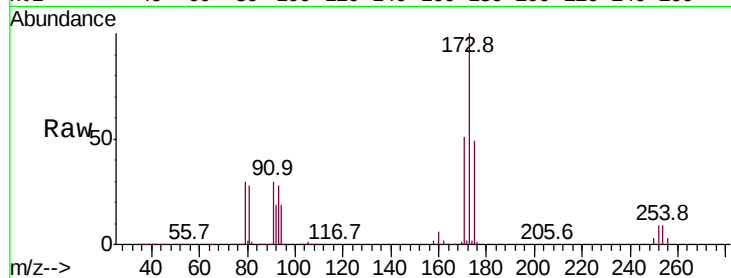




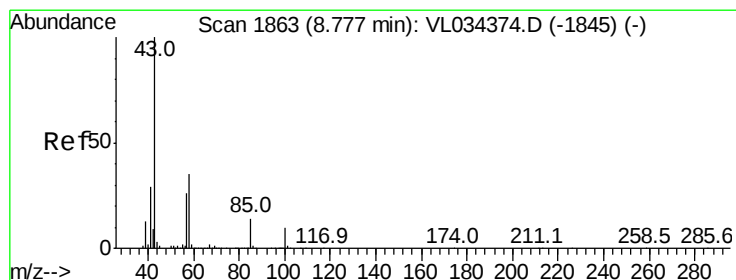
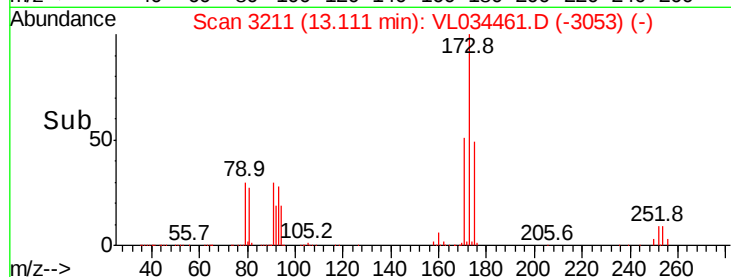
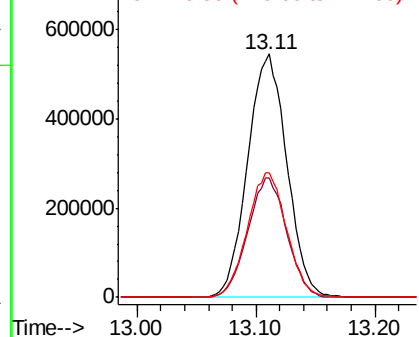
#49
Bromoform
Concen: 9.413 ppbv
RT: 13.11 min Scan# 3211
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:173 Resp: 1245078
Ion Ratio Lower Upper
173 100
175 48.8 39.3 58.9
171 51.1 42.4 63.6

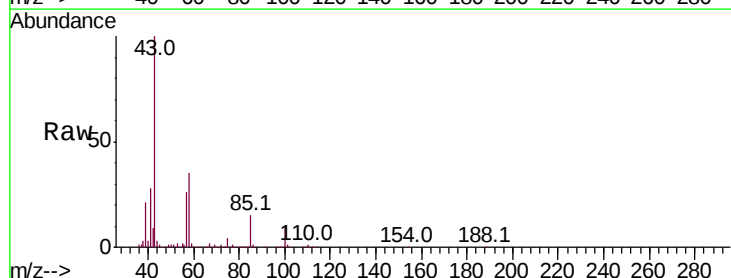


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

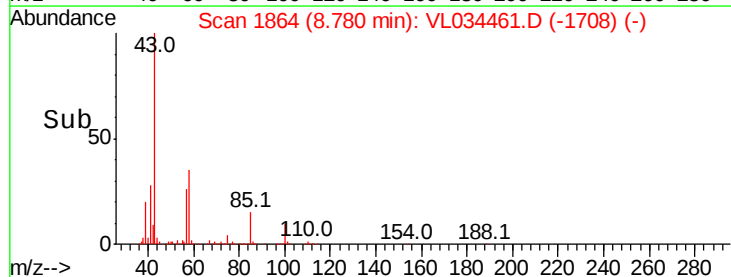
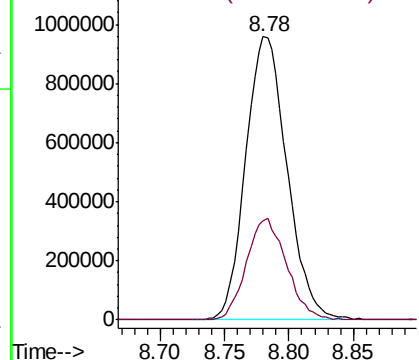


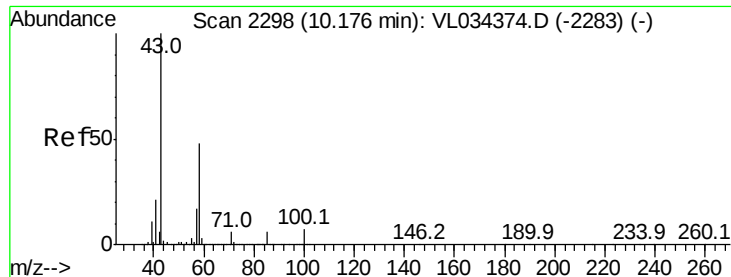
#50
4-Methyl-2-Pentanone
Concen: 8.911 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 43 Resp: 2137675
Ion Ratio Lower Upper
43 100
58 34.9 27.9 41.9



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

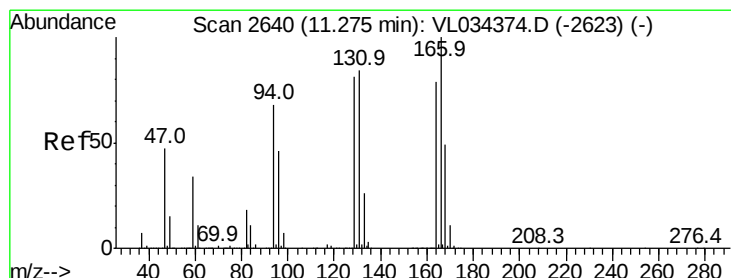
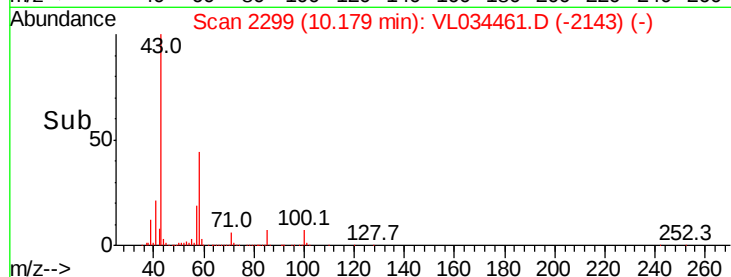
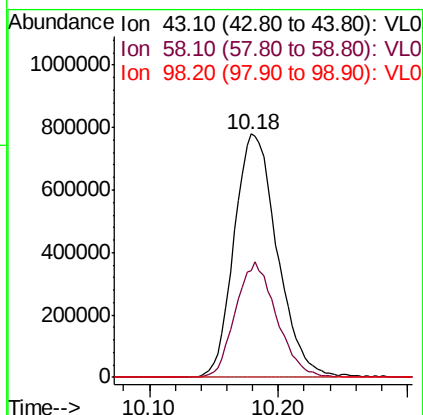
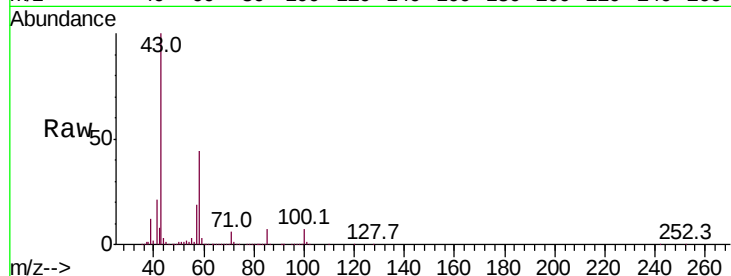




#51
2-Hexanone
Concen: 8.989 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

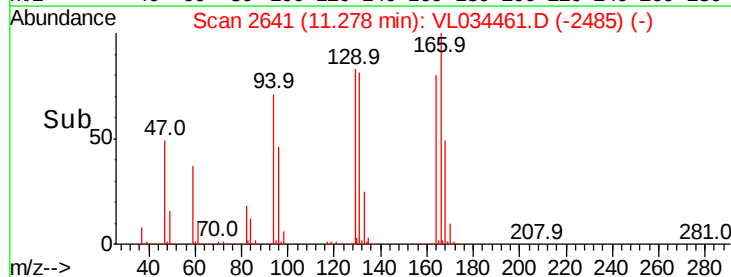
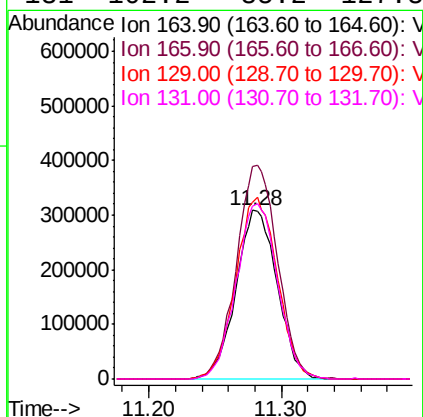
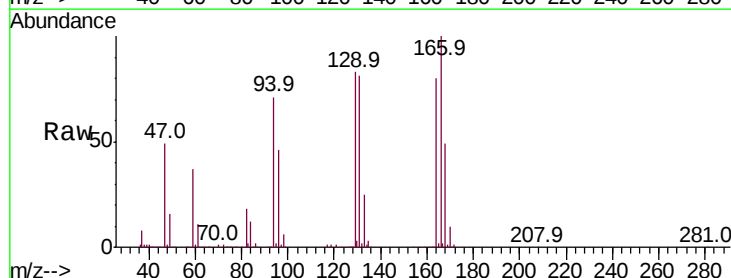
Instrument :
MSVOA_L
ClientSampled :

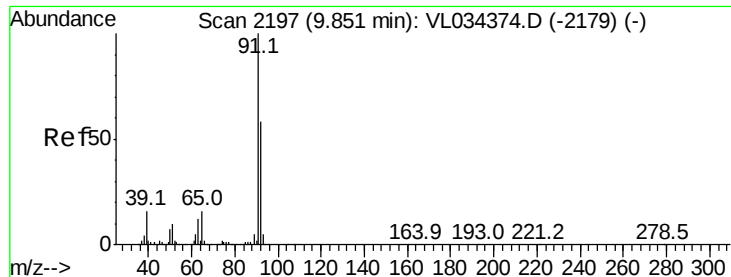
Tot Ion: 43 Resp: 1806298
Ion Ratio Lower Upper
43 100
58 45.4 38.2 57.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 7.599 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 164 Resp: 662039
Ion Ratio Lower Upper
164 100
166 125.5 101.7 152.5
129 104.4 82.6 123.8
131 102.2 85.2 127.8





#53

Toluene

Concen: 8.852 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

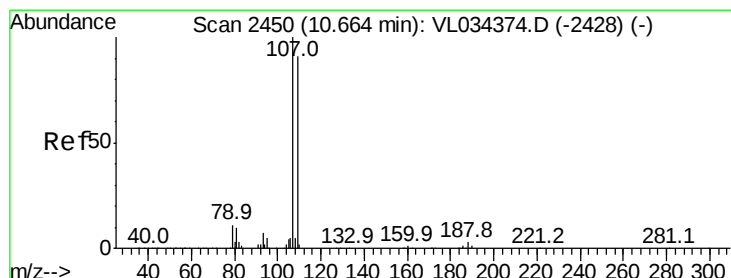
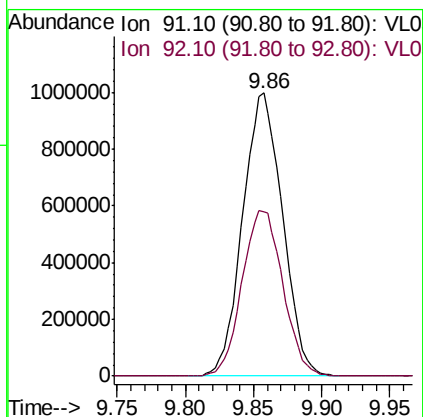
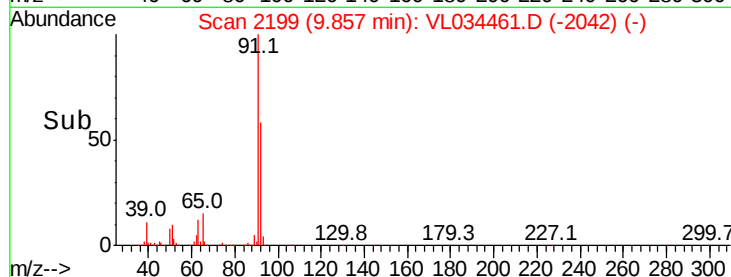
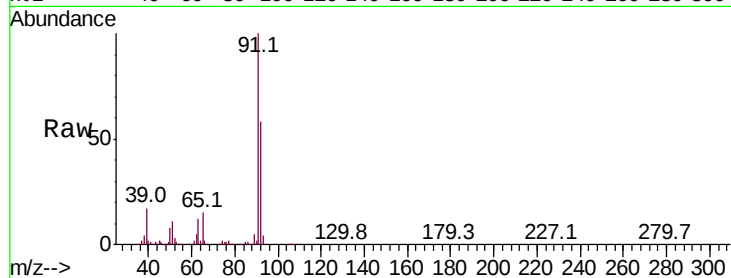
ClientSampleId :

Tot Ion: 91 Resp: 2024623

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9



#54

1,2-Dibromoethane

Concen: 8.564 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. 0.00 min

Lab File: VL034461.D

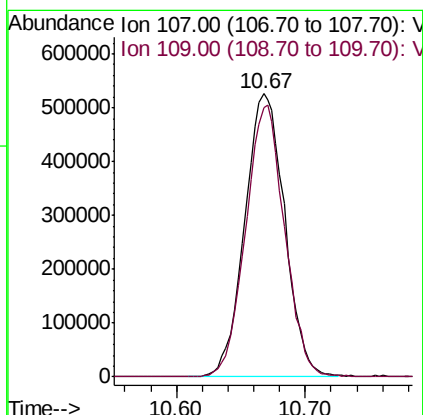
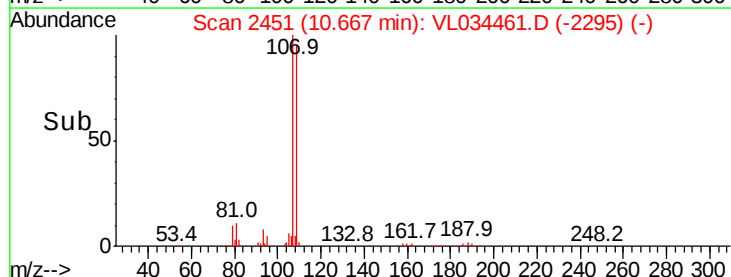
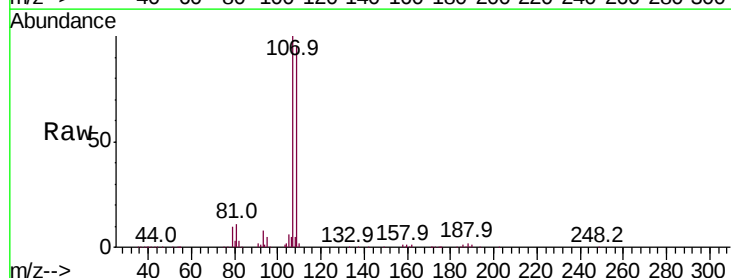
Acq: 3 Dec 2019 15:39

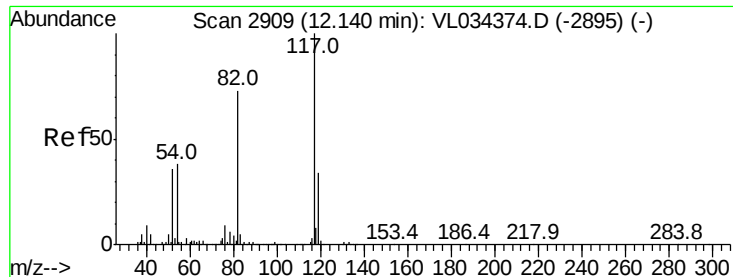
Tgt Ion: 107 Resp: 1133068

Ion Ratio Lower Upper

107 100

109 95.3 73.0 109.4

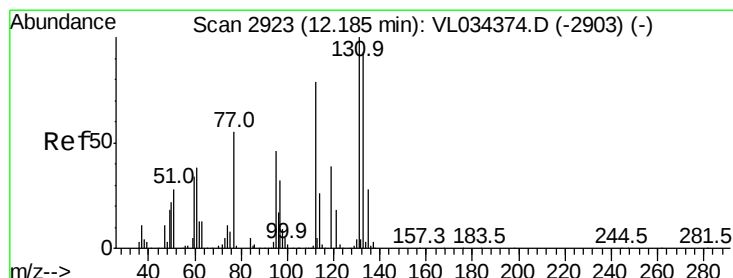
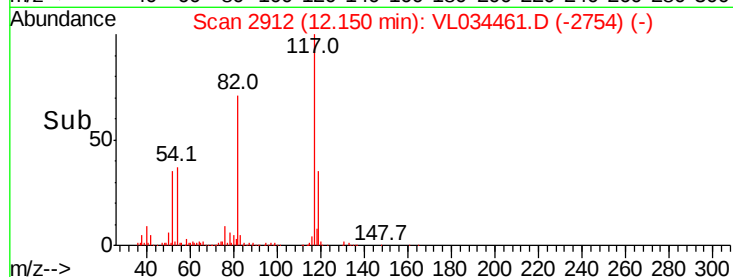
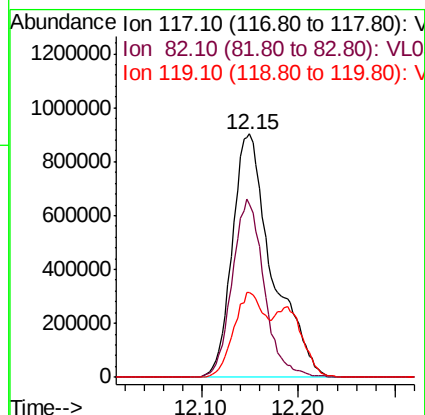
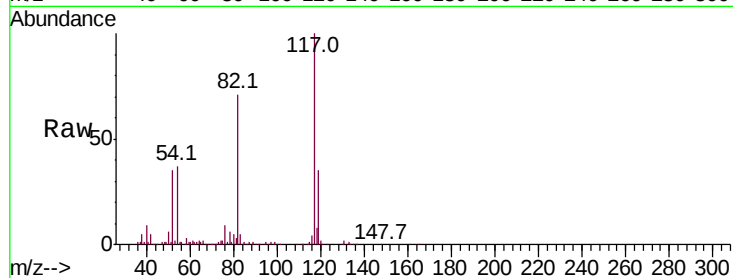




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

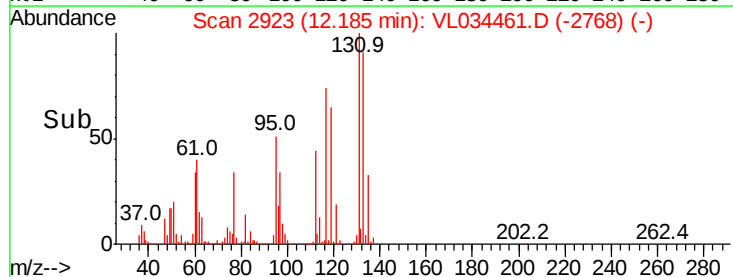
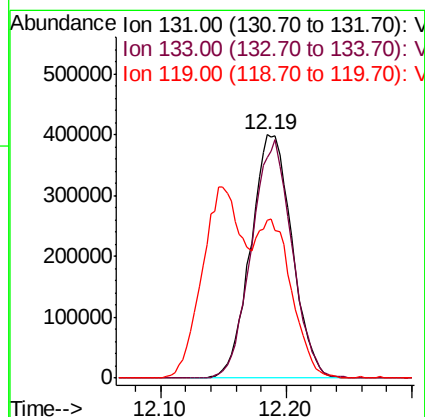
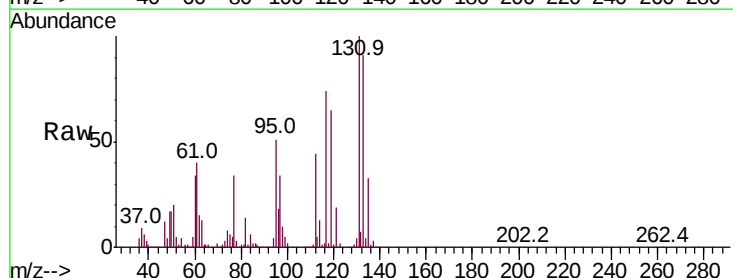
Instrument :
MSVOA_L
ClientSampleId :

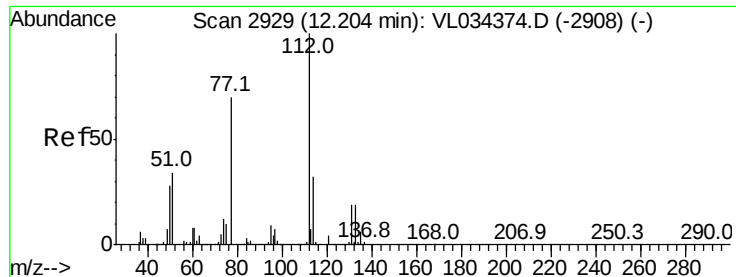
Tot Ion:117 Resp: 2594318
Ion Ratio Lower Upper
117 100
82 58.6 57.5 86.3
119 28.1 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.210 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. -0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion:131 Resp: 914932
Ion Ratio Lower Upper
131 100
133 96.0 76.2 114.2
119 136.0 44.6 67.0#

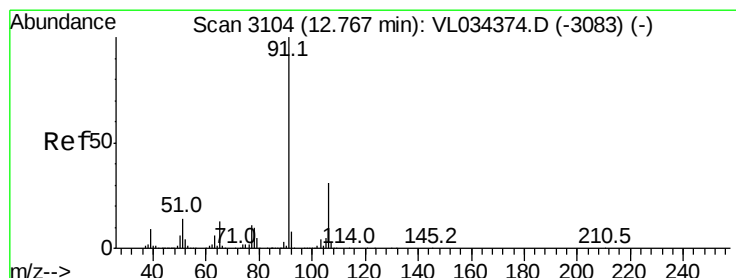
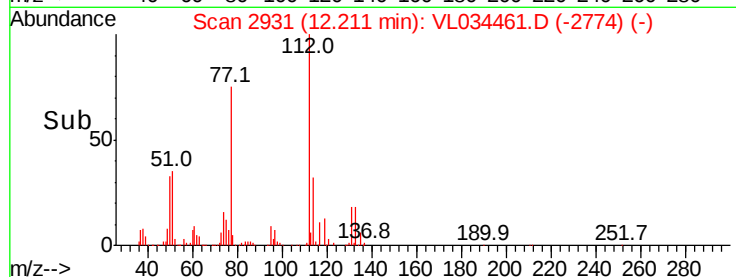
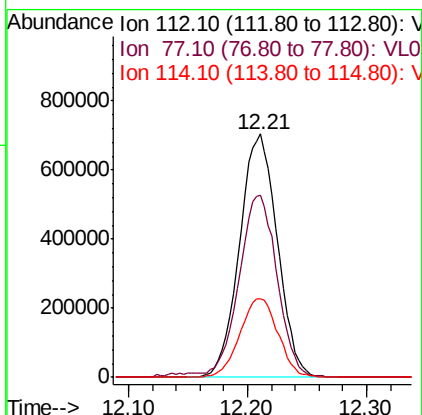
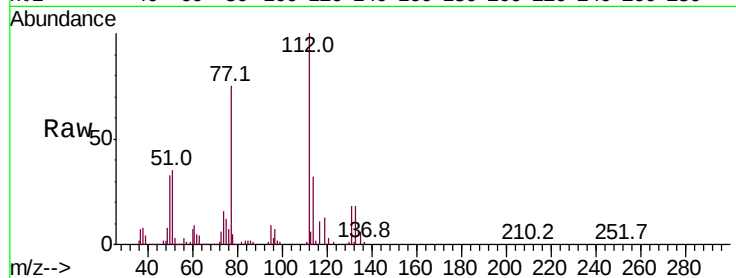




#57
Chlorobenzene
Concen: 6.594 ppbv
RT: 12.21 min Scan# 2931
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

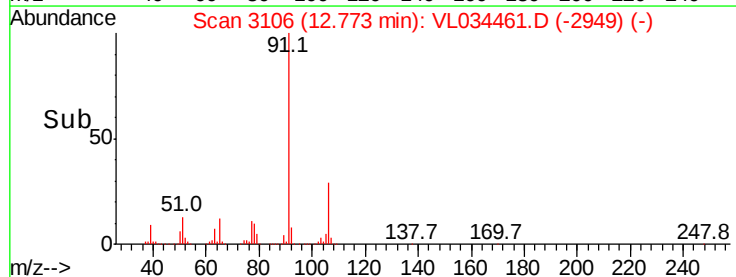
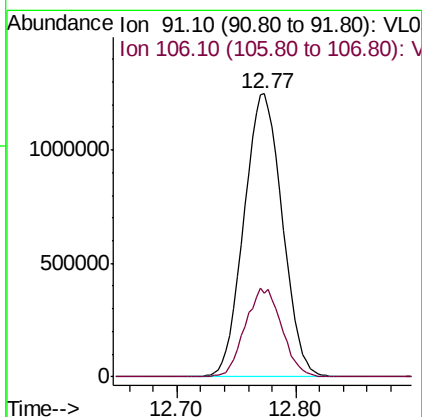
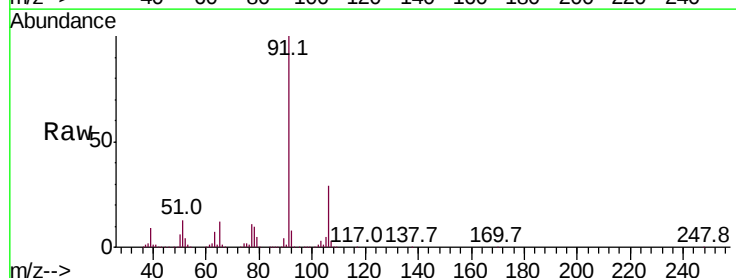
Instrument :
MSVOA_L
ClientSampleId :

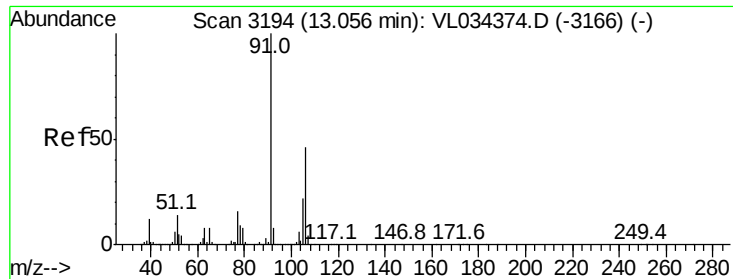
Tot Ion:112 Resp: 1546434
Ion Ratio Lower Upper
112 100
77 74.6 57.1 85.7
114 32.4 28.5 34.9



#58
Ethyl Benzene
Concen: 6.916 ppbv
RT: 12.77 min Scan# 3106
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 91 Resp: 2784230
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2





#59

m/p-Xylene

Concen: 5.930 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

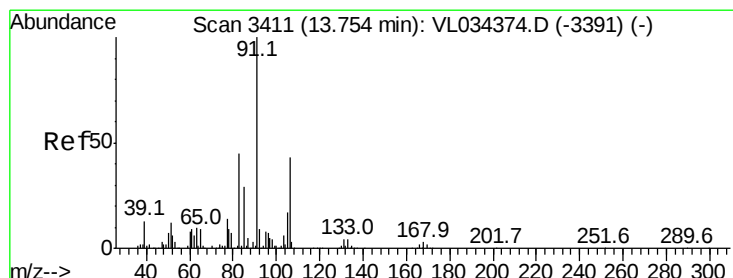
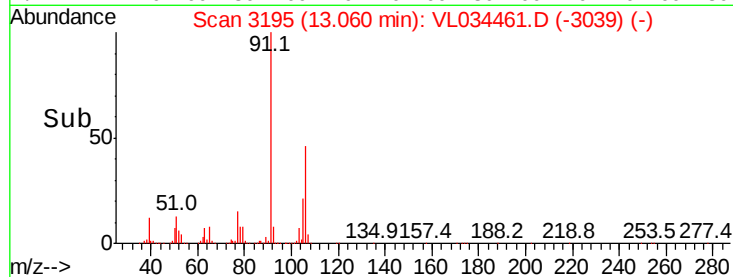
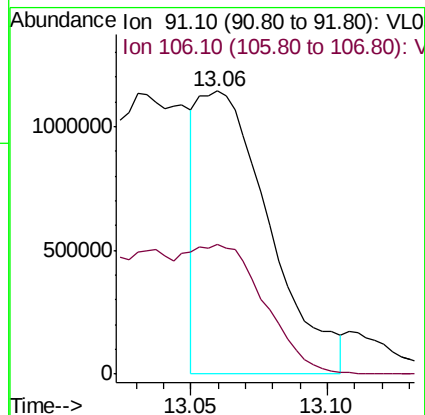
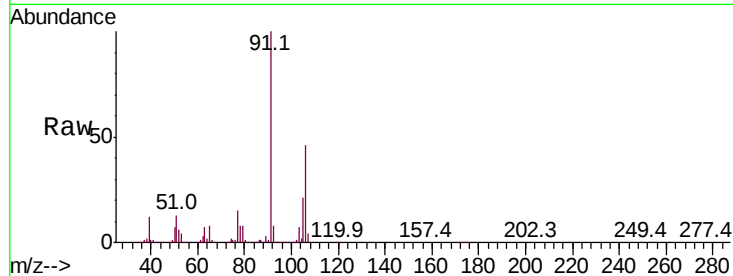
ClientSampled :

Tot Ion: 91 Resp: 2063631

Ion Ratio Lower Upper

91 100

106 99.2 34.6 51.8#



#60

o-Xylene

Concen: 6.858 ppbv

RT: 13.76 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VL034461.D

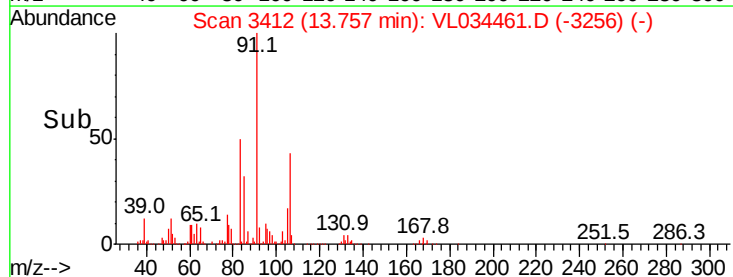
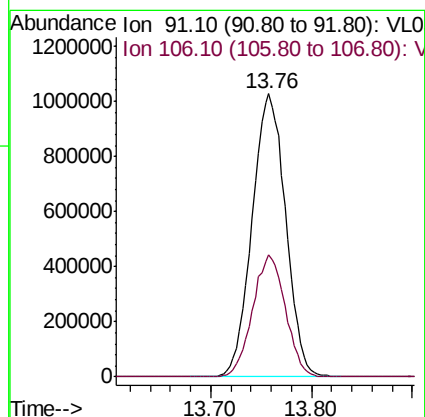
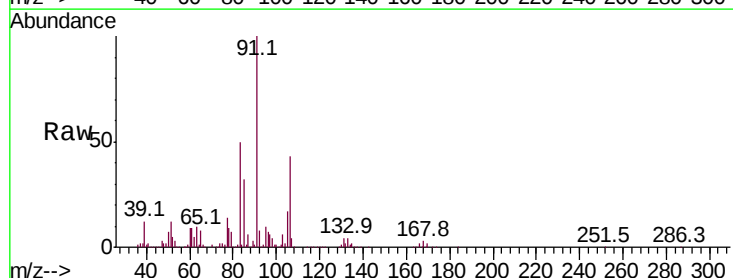
Acq: 3 Dec 2019 15:39

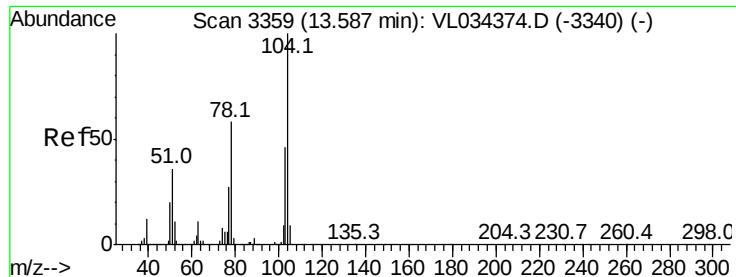
Tgt Ion: 91 Resp: 2359769

Ion Ratio Lower Upper

91 100

106 42.3 21.3 64.0

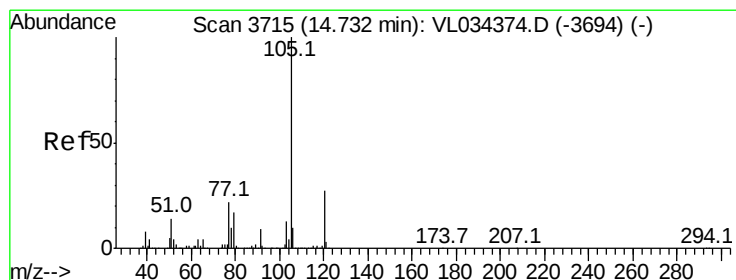
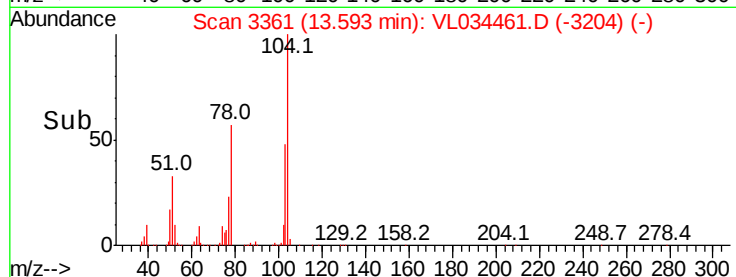
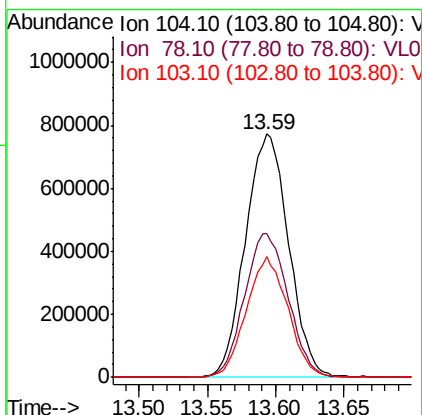
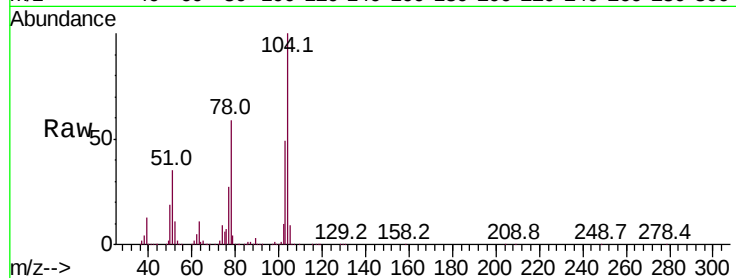




#61
Stvrene
Concen: 6.848 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

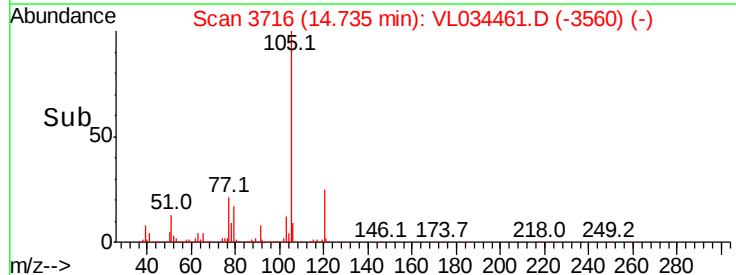
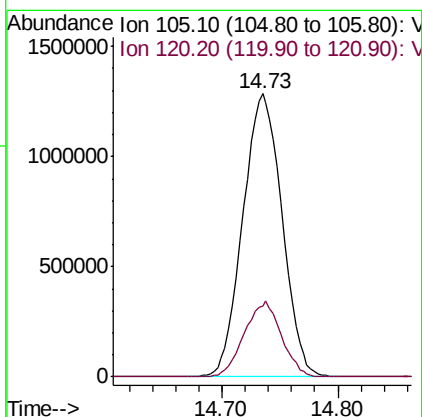
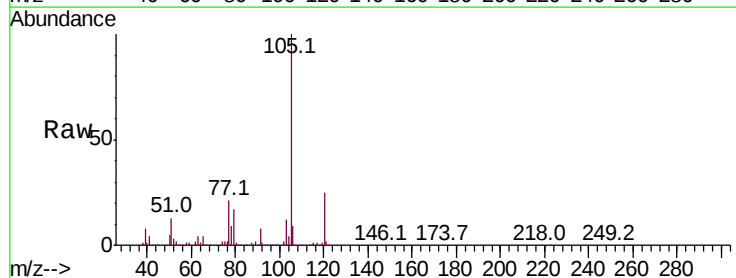
Instrument :
MSVOA_L
ClientSampleId :

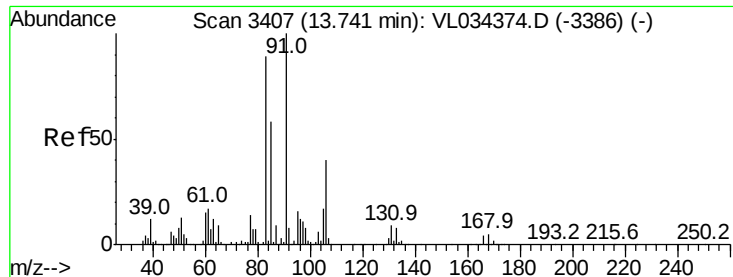
Tot Ion:104 Resp: 1699218
Ion Ratio Lower Upper
104 100
78 59.6 47.6 71.4
103 47.8 38.6 57.8



#62
Isopropylbenzene
Concen: 6.641 ppbv
RT: 14.73 min Scan# 3716
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion:105 Resp: 3022081
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 6.150 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

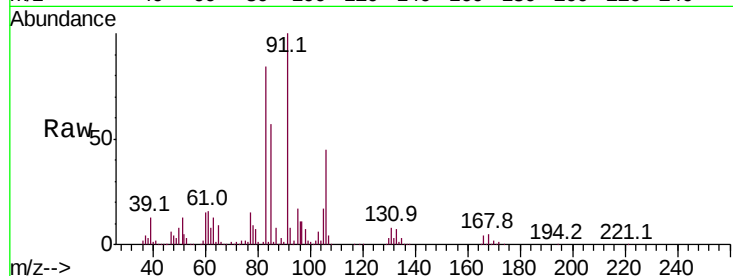
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 1590588

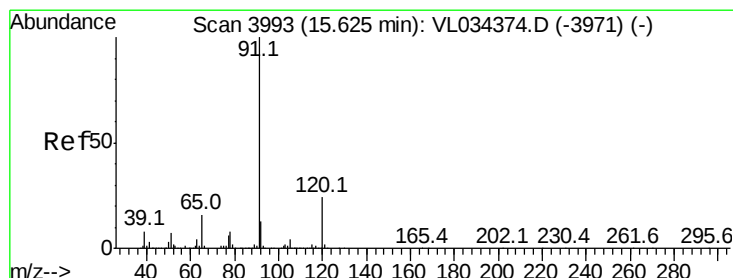
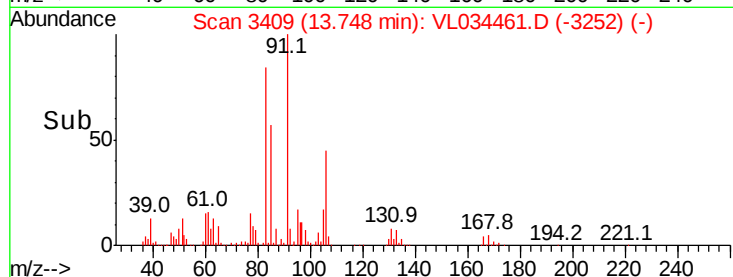
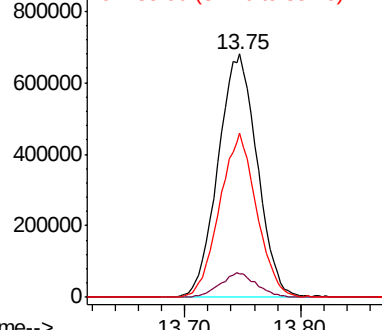
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.1	32.6	97.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.528 ppbv

RT: 15.64 min Scan# 3996

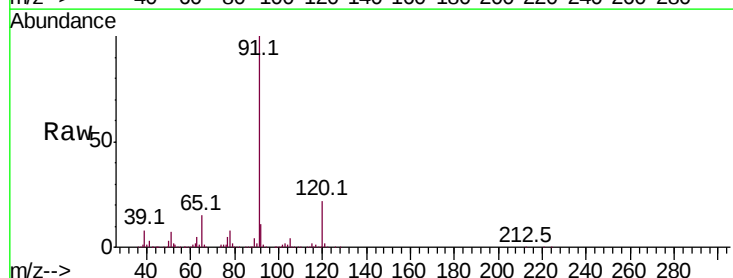
Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

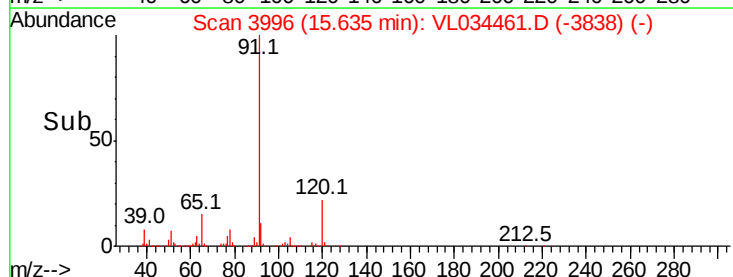
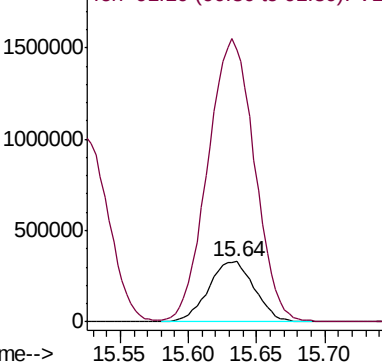
Tgt Ion: 120 Resp: 771433

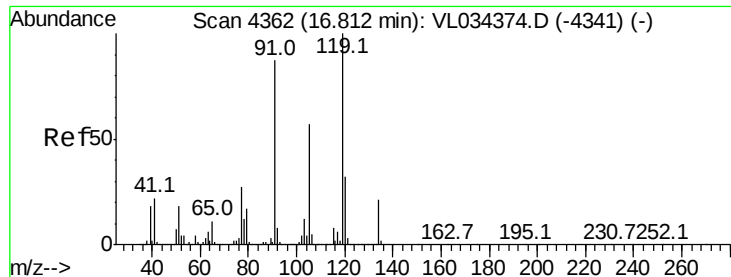
Ion	Ratio	Lower	Upper
120	100		
91	478.6	370.9	556.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 6.527 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

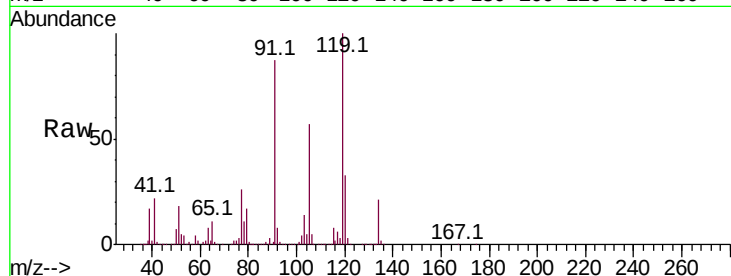
Tot Ion:119 Resp: 2668194

Ion Ratio Lower Upper

119 100

91 90.4 71.6 107.4

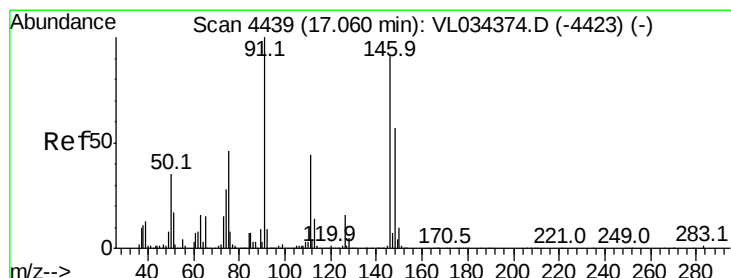
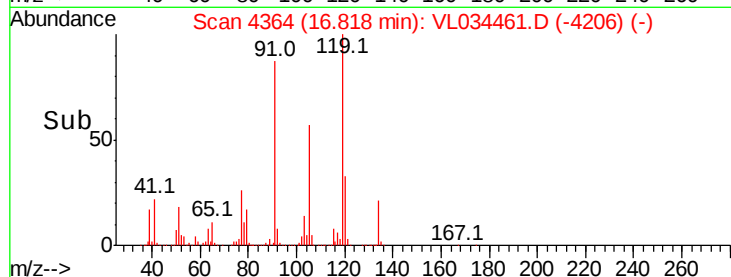
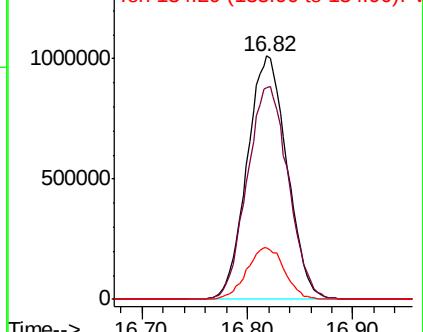
134 20.0 15.9 23.9



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: 8.236 ppbv

RT: 17.07 min Scan# 4442

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

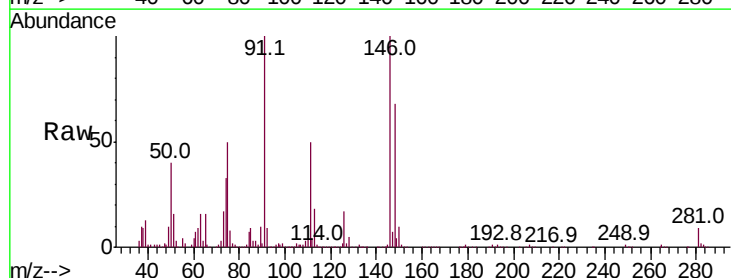
Tgt Ion: 91 Resp: 1295191

Ion Ratio Lower Upper

91 100

126 16.2 12.9 19.3

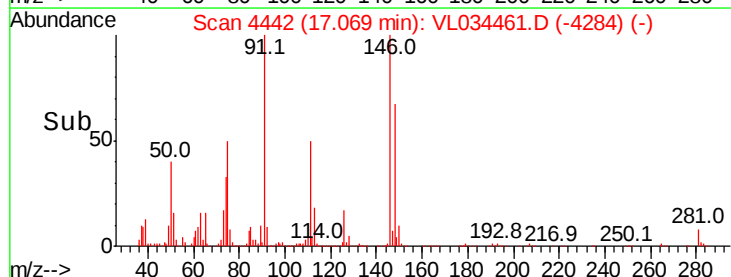
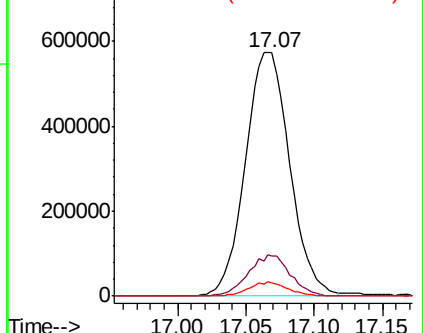
128 5.2 4.3 6.5

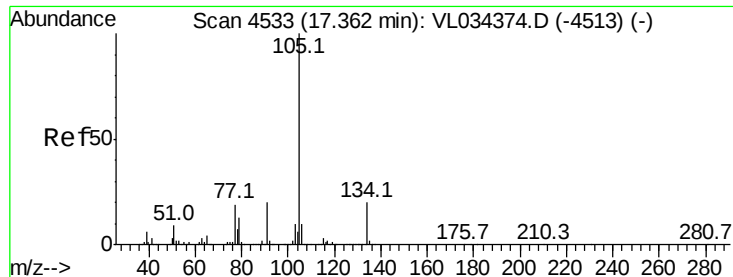


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 6.529 ppbv

RT: 17.37 min Scan# 4535

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

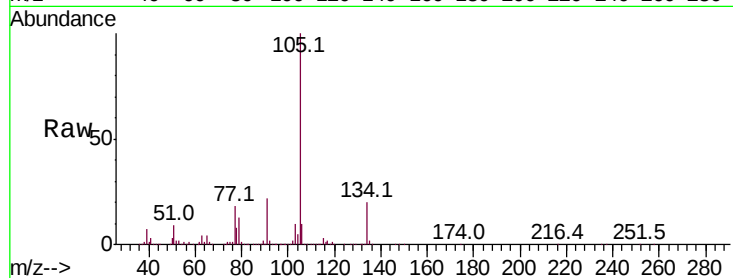
ClientSampleId :

Tot Ion:105 Resp: 3733580

Ion Ratio Lower Upper

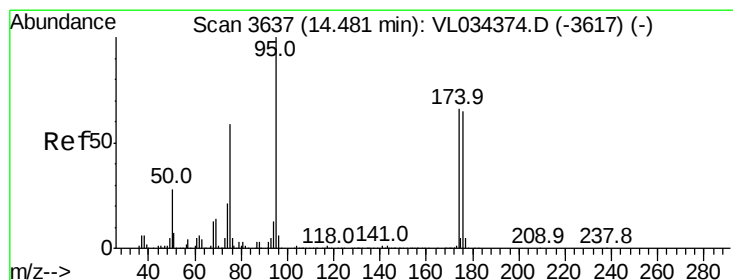
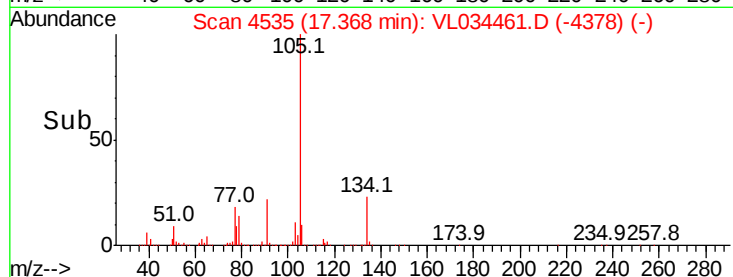
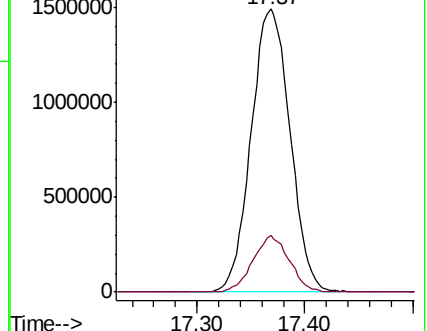
105 100

134 18.7 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: 8.229 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

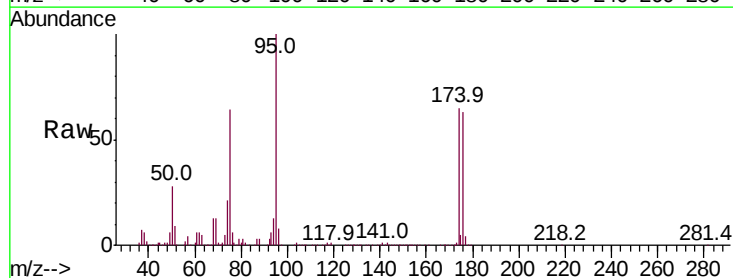
Tgt Ion: 95 Resp: 1795981

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

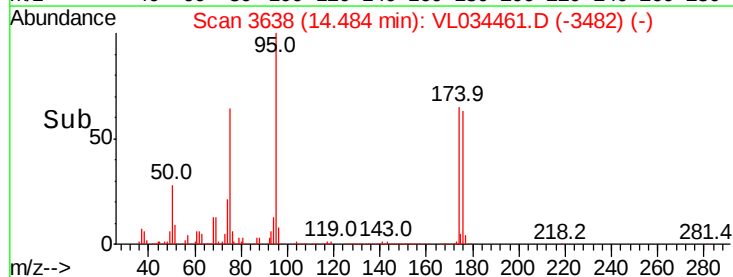
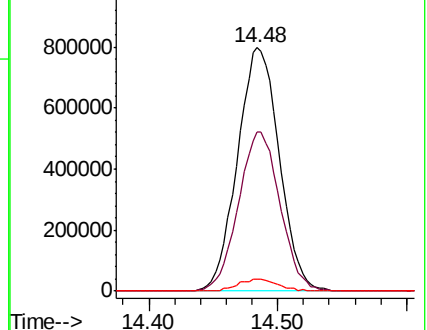
175 4.8 3.8 5.8

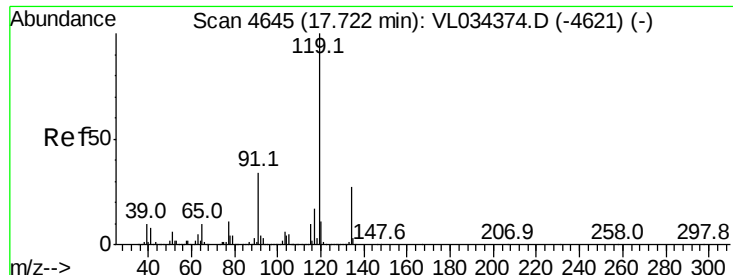


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

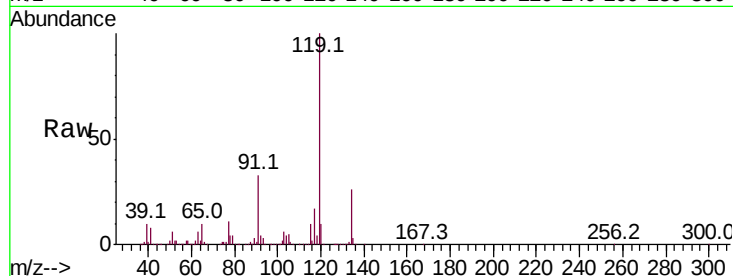




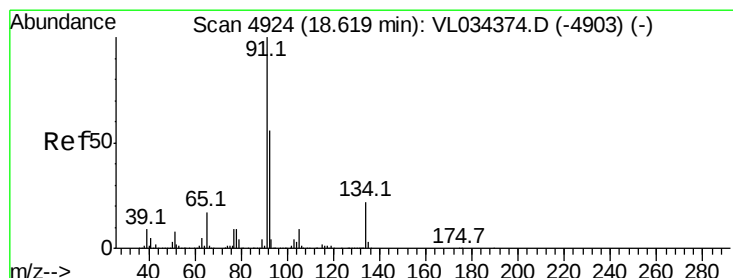
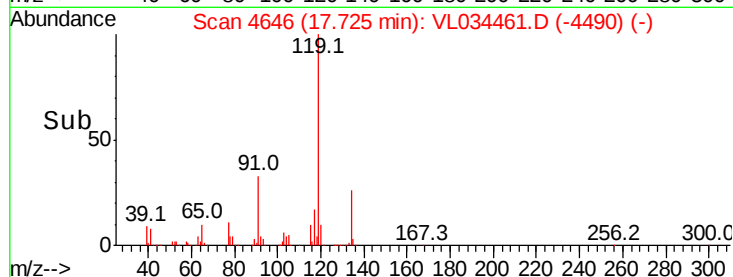
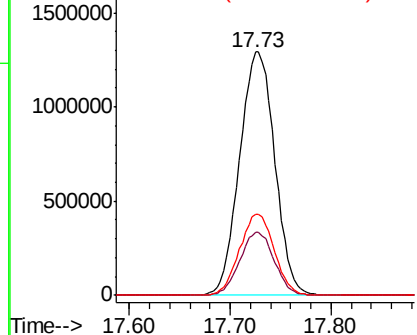
#69
 p-Isopropyltoluene
 Concen: 6.589 ppbv
 RT: 17.73 min Scan# 4646
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:119 Resp: 3126888
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.6 31.0
 91 32.9 26.3 39.5

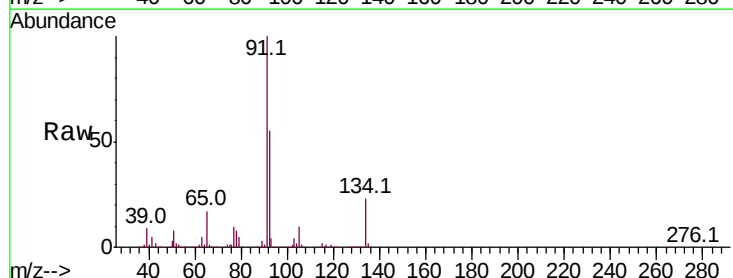


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

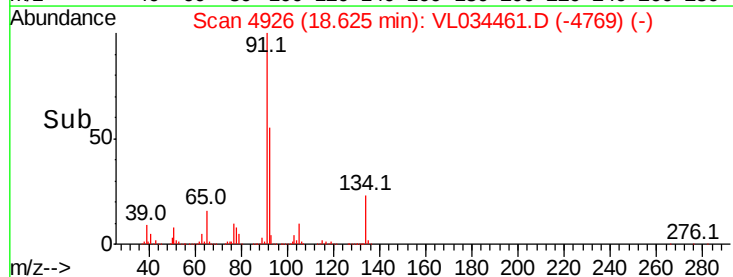
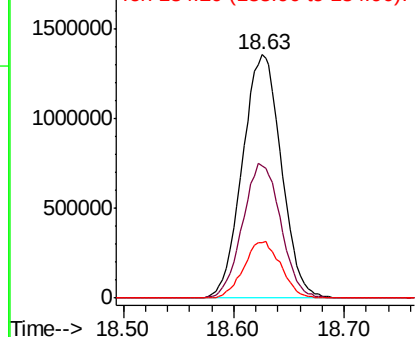


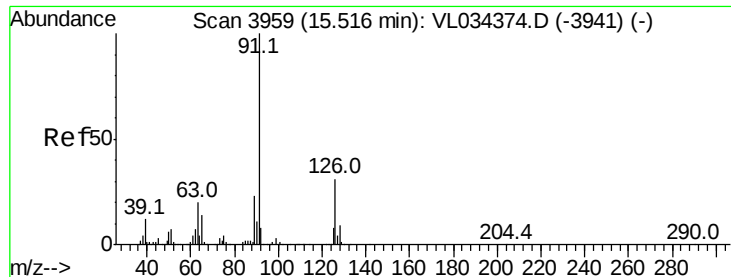
#70
 n-Butylbenzene
 Concen: 6.490 ppbv
 RT: 18.63 min Scan# 4926
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion: 91 Resp: 3313735
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.8 65.6
 134 22.2 17.9 26.9



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





#71

2-Chlorotoluene

Concen: 6.490 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

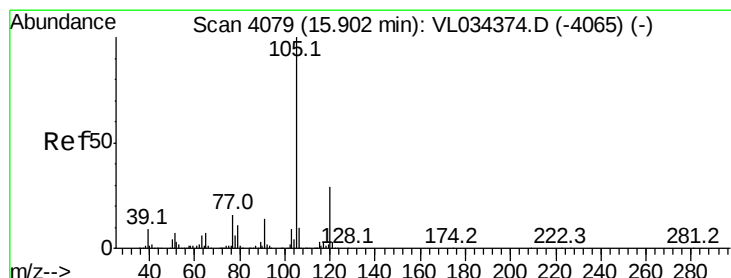
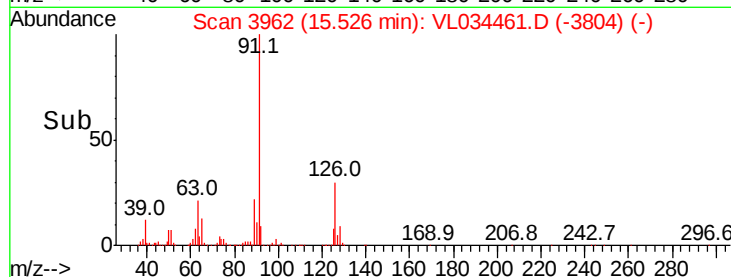
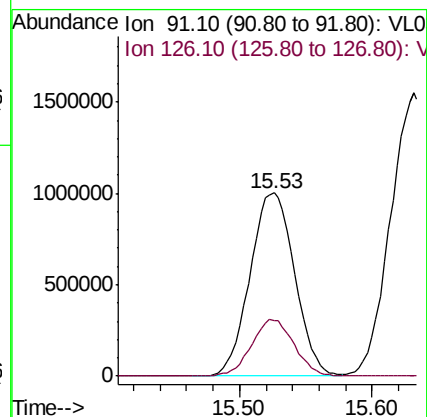
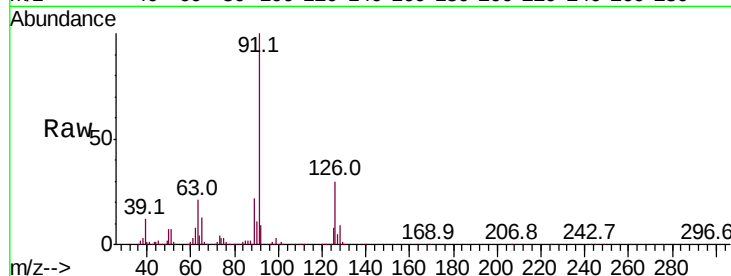
ClientSampleId :

Tot Ion: 91 Resp: 2355029

Ion Ratio Lower Upper

91 100

126 29.6 11.8 47.4



#72

4-Ethyltoluene

Concen: 6.688 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:105 Resp: 2658925

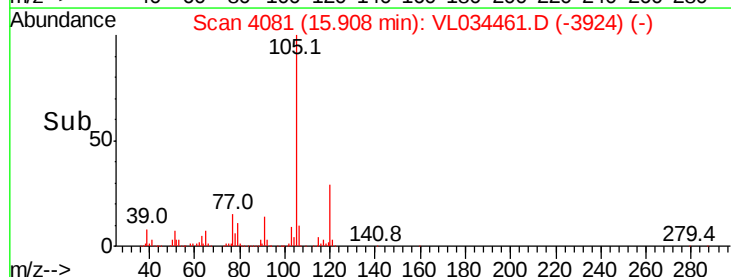
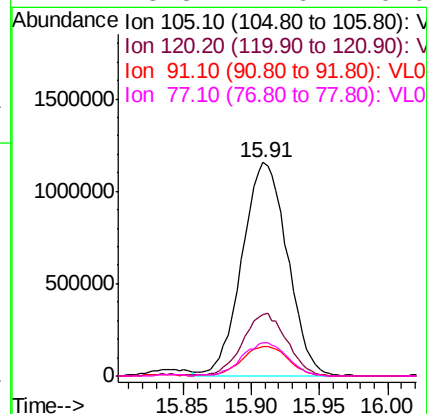
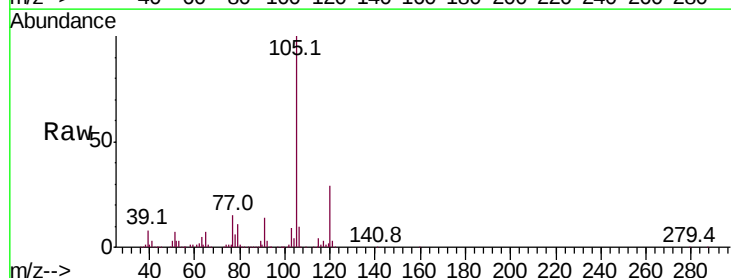
Ion Ratio Lower Upper

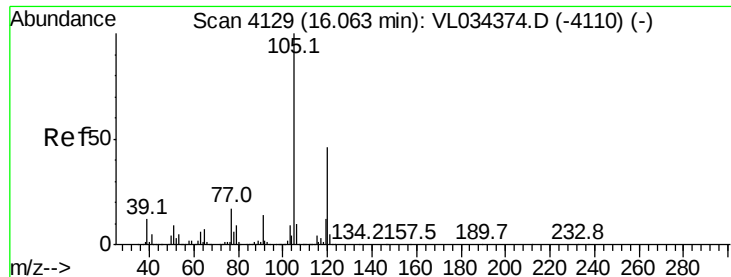
105 100

120 28.7 23.5 35.3

91 14.4 11.4 17.0

77 15.8 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 6.535 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

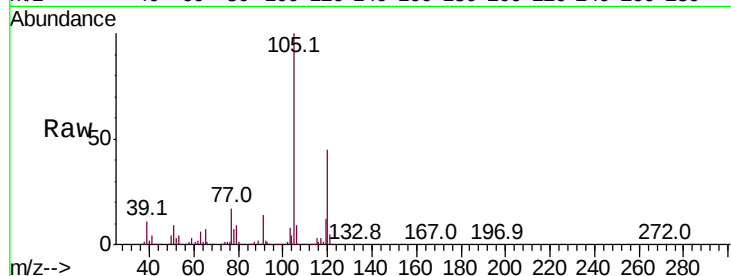
ClientSampleId :

Tot Ion:105 Resp: 2543063

Ion Ratio Lower Upper

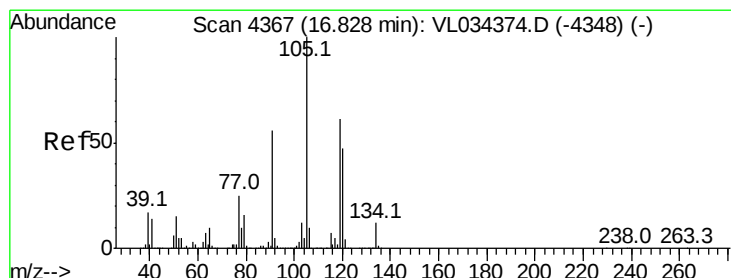
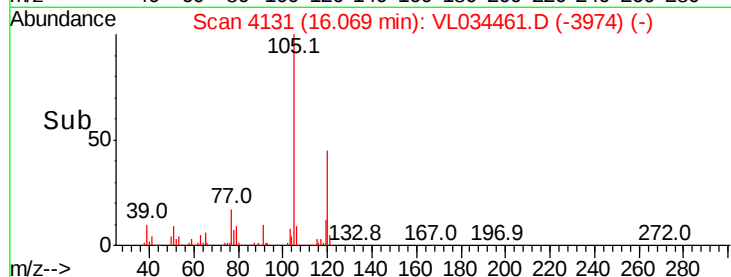
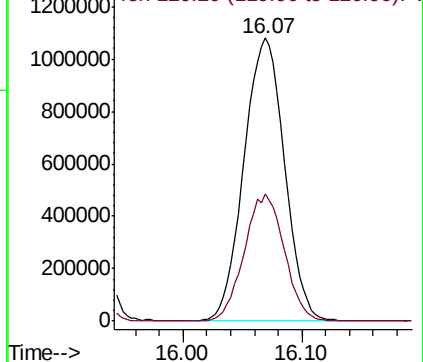
105 100

120 45.1 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 6.408 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:105 Resp: 2649022

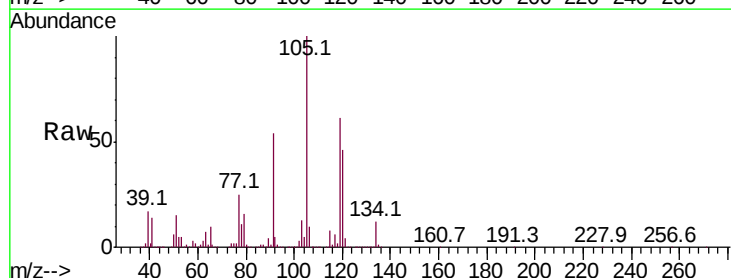
Ion Ratio Lower Upper

105 100

120 46.0 37.4 56.0

91 53.4 46.3 69.5

77 25.0 20.6 30.8

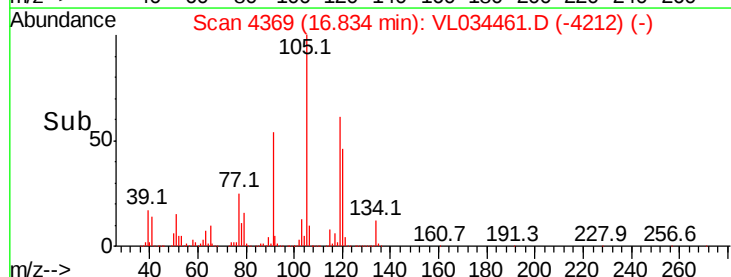
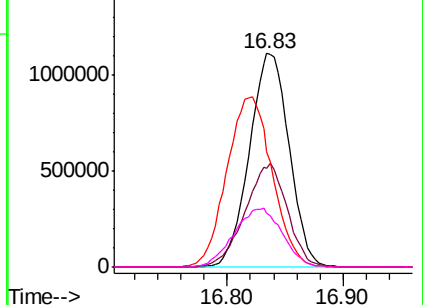


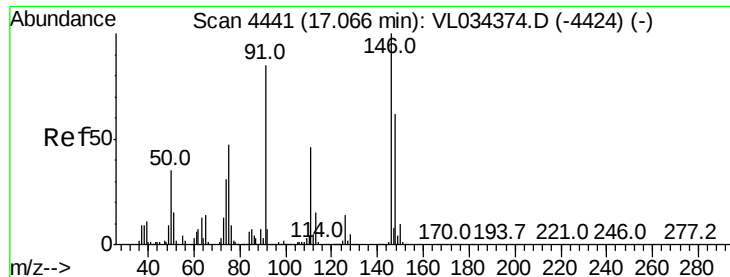
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 6.204 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

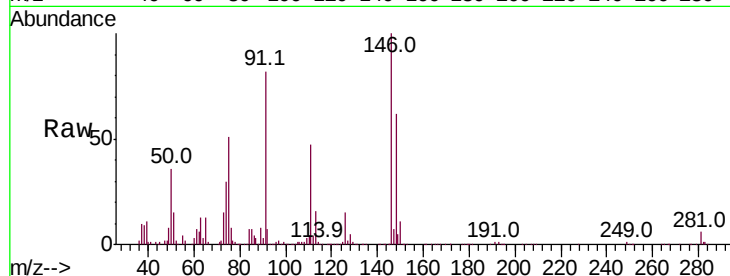
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 1474111

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.4
148	65.4	32.4	97.0

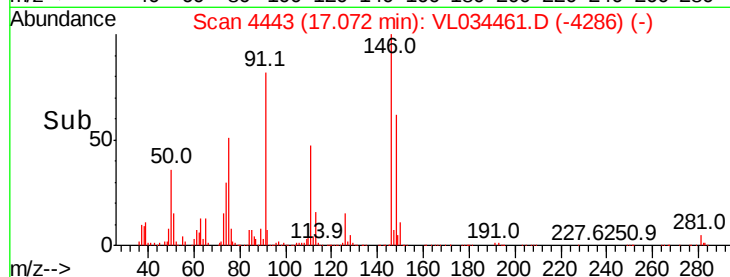


Abundance Ion 146.00 (145.70 to 146.70): V

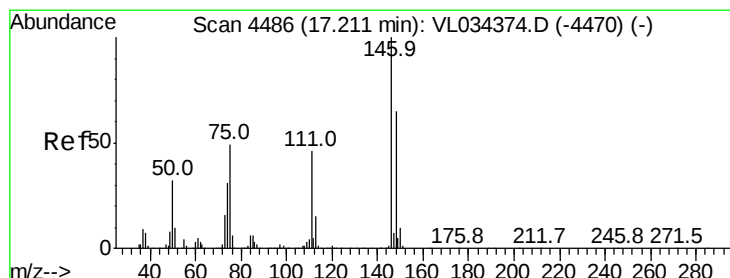
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.07



Time-->



#76

1,4-Dichlorobenzene

Concen: 6.425 ppbv

RT: 17.21 min Scan# 4487

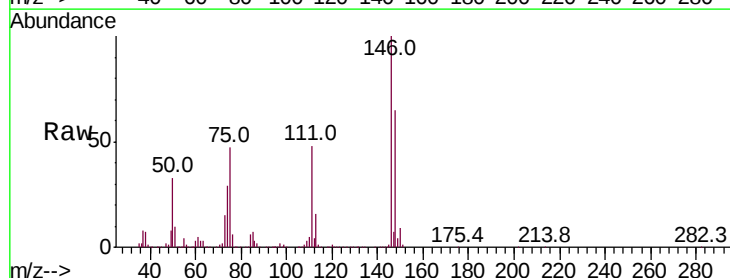
Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:146 Resp: 1482590

Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.1	72.3
148	66.1	32.9	98.6

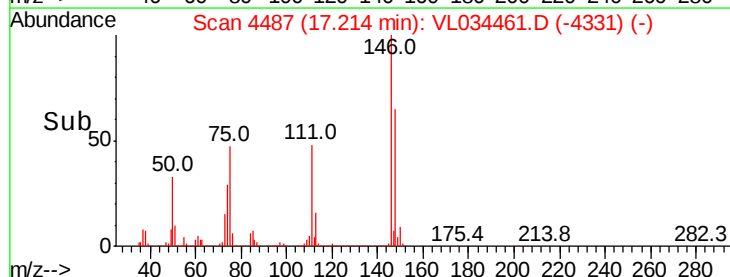


Abundance Ion 146.00 (145.70 to 146.70): V

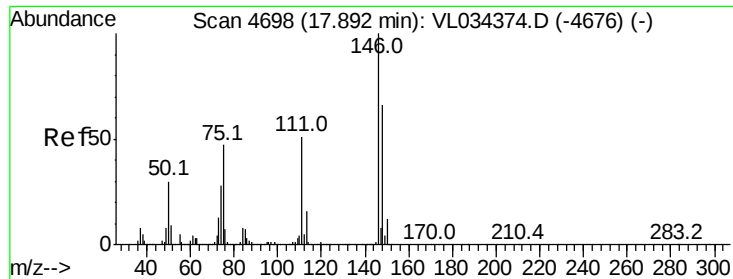
Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

17.21



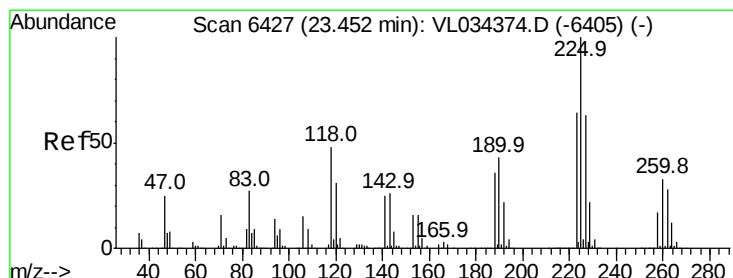
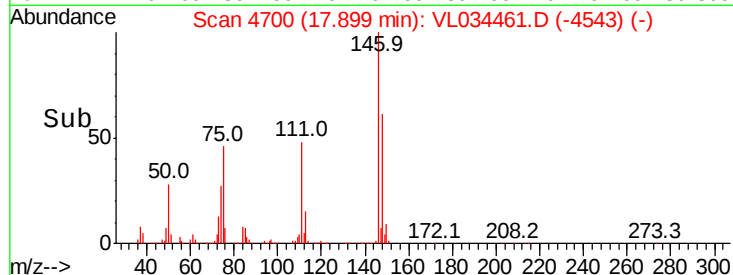
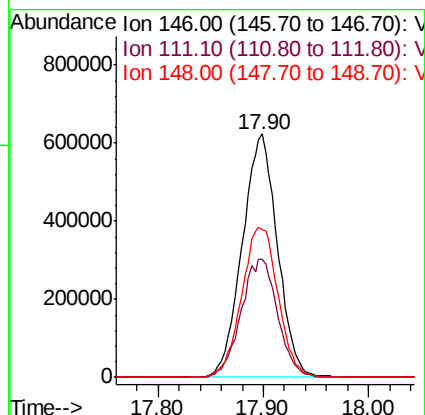
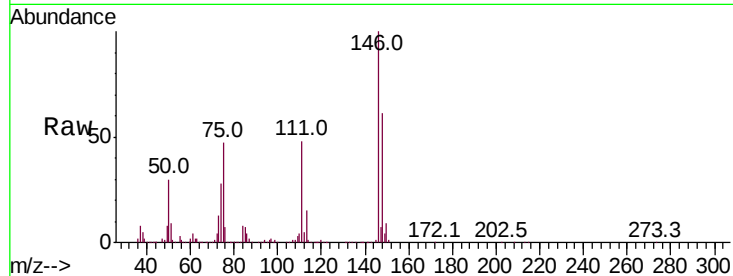
Time-->



#77
 1,2-Dichlorobenzene
 Concen: 6.306 ppbv
 RT: 17.90 min Scan# 4700
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

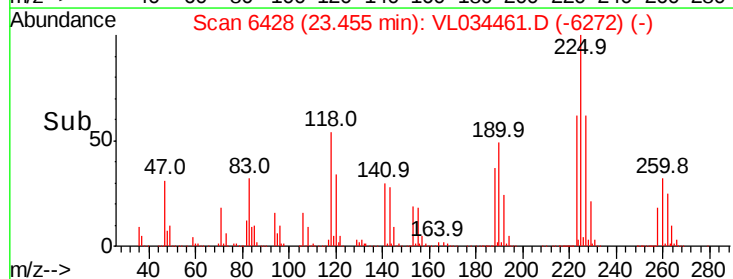
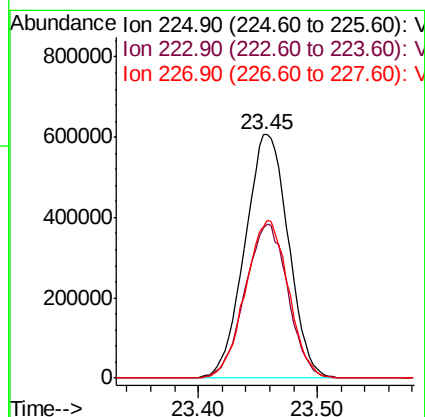
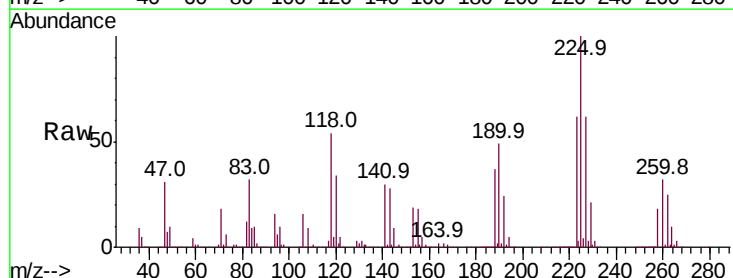
Instrument :
 MSVOA_L
 ClientSampleId :

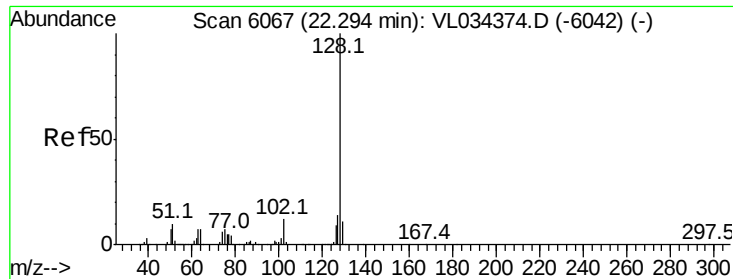
Tot Ion:146 Resp: 1447392
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.0 75.0
 148 64.0 32.7 98.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.784 ppbv
 RT: 23.45 min Scan# 6428
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion:225 Resp: 1534877
 Ion Ratio Lower Upper
 225 100
 223 62.6 50.2 75.2
 227 64.1 51.5 77.3

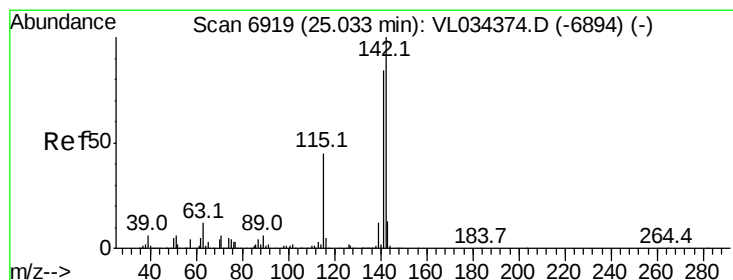
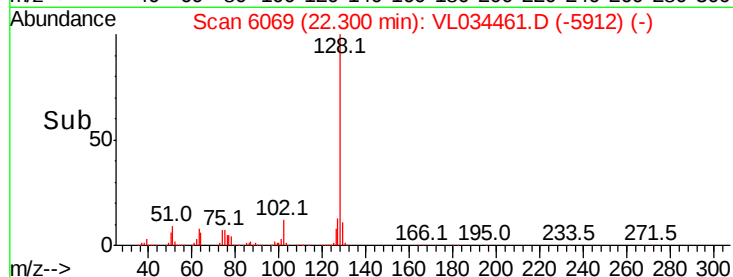
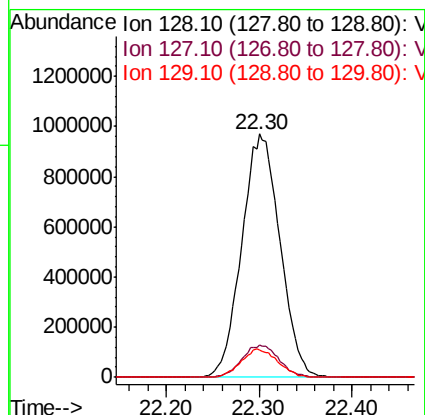
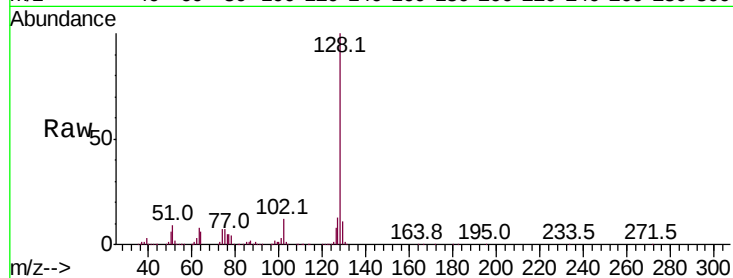




#79
Naphthalene
Concen: 7.711 ppbv
RT: 22.30 min Scan# 6069
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

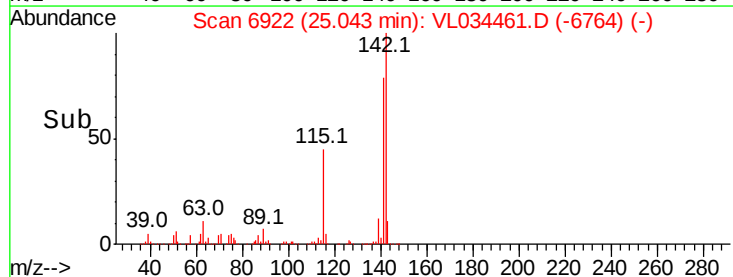
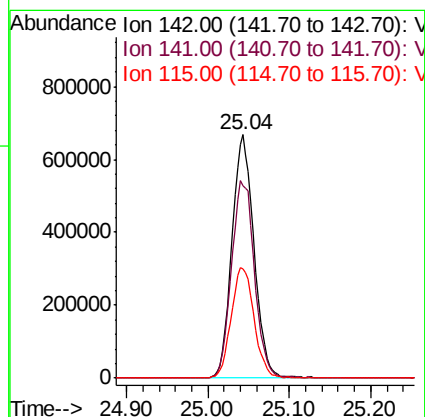
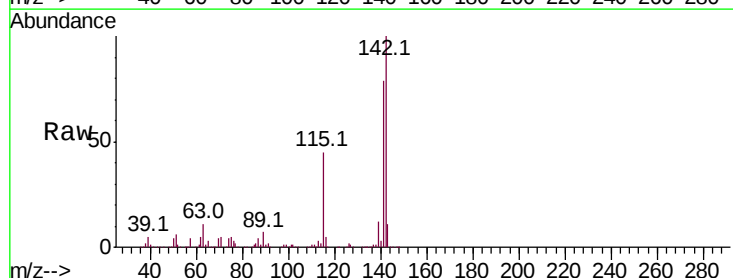
Instrument :
MSVOA_L
ClientSampleId :

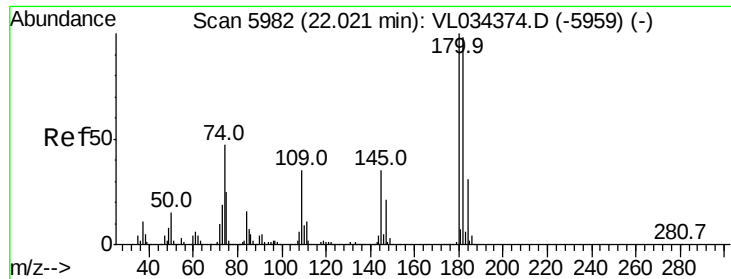
Tot Ion:128 Resp: 2763560
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 11.5 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 7.871 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion:142 Resp: 1273700
Ion Ratio Lower Upper
142 100
141 85.0 67.1 100.7
115 47.3 36.6 54.8

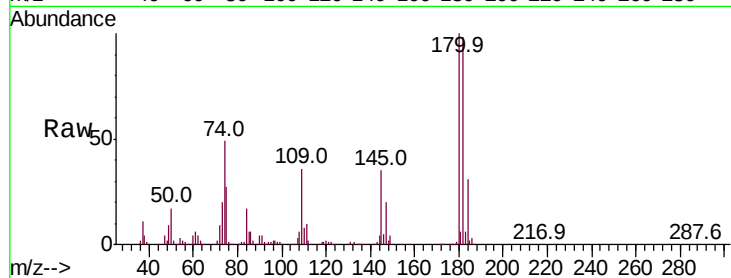




#81
 1,2,4-Trichlorobenzene
 Concen: 3.797 ppbv
 RT: 22.03 min Scan# 5985
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	186.6	76.8	115.2#
184	60.7	24.9	37.3#



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

