

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120319\
 Data File : VL034455.D
 Acq On : 3 Dec 2019 11:36
 Operator : SY/AP
 Sample : VL1203ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1203ABS01

Manual Integrations
 APPROVED

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 12/3/2019 5:04:00 PM

Quant Time: Dec 03 12:18:15 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)
1) Bromochloromethane	5.69	49	954865	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1931093	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2090659	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1705782	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1864429	10.793	ppbv	100
3) Chlorodifluoromethane	2.97	51	1088173	9.134	ppbv	98
4) Chloromethane	3.12	50	657912	9.362	ppbv	98
5) Vinyl Chloride	3.24	62	613089	9.312	ppbv	92
6) Bromomethane	3.46	94	322206	9.726	ppbv	94
7) Chloroethane	3.55	64	229087	9.586	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1415323	9.124	ppbv	99
9) Propene	2.99	41	477135	9.021	ppbv	98
10) Heptane	8.16	43	1268917	9.296	ppbv	100
11) Trichlorofluoromethane	3.94	101	1621830	9.434	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1084246	9.497	ppbv	100
13) Ethanol	3.60	45	104497	7.092	ppbv	97
14) Bromoethene	3.73	108	438415	9.444	ppbv	99
15) Acetone	3.84	43	1184424	8.662	ppbv	99
16) 1,3-Butadiene	3.31	39	563366	9.459	ppbv	99
17) tert-Butyl alcohol	4.29	59	1021732	8.890	ppbv	100
18) 1,1-Dichloroethene	4.29	96	485675	9.725	ppbv	96
19) Isopropyl Alcohol	3.97	45	812940	9.276	ppbv	100
20) Methylene Chloride	4.34	84	430894	8.887	ppbv	97
21) Allyl Chloride	4.41	41	837340	10.220	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	493381	9.800	ppbv	98
23) Vinyl Acetate	5.09	43	1787824	10.009	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1283133	9.352	ppbv	100
25) Ethyl Acetate	5.69	43	2247051	9.210	ppbv	100
26) Hexane	5.71	57	945938	9.022	ppbv	98
27) Carbon Disulfide	4.56	76	1265276	11.080	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1697975	9.767	ppbv	100
29) Chloroform	5.78	83	1572150	9.260	ppbv	96
30) Cyclohexane	7.17	84	752276	9.491	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1045311	9.648	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1615260	10.147	ppbv	99
34) 2-Butanone	5.26	43	1467845	9.235	ppbv	100
35) Carbon Tetrachloride	7.05	117	1681459	10.127	ppbv	97
36) Benzene	6.92	78	1805691	9.354	ppbv	96
37) 1,2-Dichloroethane	6.34	62	1372536	9.571	ppbv	100
38) Trichloroethene	7.88	130	730629	9.223	ppbv	99
39) 1,2-Dichloropropane	7.65	63	759825	10.217	ppbv	96
40) 1,4-Dioxane	7.87	88	275782	8.489	ppbv #	95
41) Tetrahydrofuran	6.07	42	841513	9.439	ppbv	99
42) Bromodichloromethane	7.83	83	1755917	9.790	ppbv	98
43) Methyl Methacrylate	8.05	69	781246	9.757	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3270381	9.270	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1117056	10.879	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1208817	10.481	ppbv	97
47) 1,1,2-Trichloroethane	9.53	97	784514	9.483	ppbv	95
48) Dibromochloromethane	10.37	129	1456885	10.257	ppbv	99
49) Bromoform	13.11	173	1319846	10.409	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2174501	9.455	ppbv	100
51) 2-Hexanone	10.19	43	1839907	9.551	ppbv	97
52) Tetrachloroethene	11.28	164	685940	8.213	ppbv	96
53) Toluene	9.86	91	2093154	9.546	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1179137	9.297	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	964901	9.435	ppbv	99
57) Chlorobenzene	12.21	112	1617686	8.560	ppbv	98
58) Ethyl Benzene	12.78	91	2912985	8.978	ppbv	100
59) m/p-Xylene	13.06	91	4933913m	17.593	ppbv	
60) o-Xylene	13.76	91	2439905	8.799	ppbv	99
61) Styrene	13.60	104	1815682	9.080	ppbv	99
62) Isopropylbenzene	14.74	105	3179073	8.669	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1715648	8.231	ppbv	99
64) n-propylbenzene	15.64	120	822745	8.639	ppbv	96
65) tert-Butylbenzene	16.82	119	2847815	8.645	ppbv	100
66) Benzyl Chloride	17.07	91	1455193	11.483	ppbv	100
67) sec-Butylbenzene	17.37	105	3952234	8.577	ppbv	99
69) p-Isopropyltoluene	17.73	119	3280386	8.578	ppbv	100
70) n-Butylbenzene	18.63	91	3481273	8.460	ppbv	100
71) 2-Chlorotoluene	15.53	91	2497341	8.540	ppbv	99
72) 4-Ethyltoluene	15.91	105	2818766	8.798	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2704223	8.623	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2781184	8.348	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1590240	8.305	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1590812	8.555	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1539451	8.324	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	1320322	8.309	ppbv	99
79) Naphthalene	22.30	128	2376248	8.228	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	1241653	9.521	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1437627	8.103	ppbv	100

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

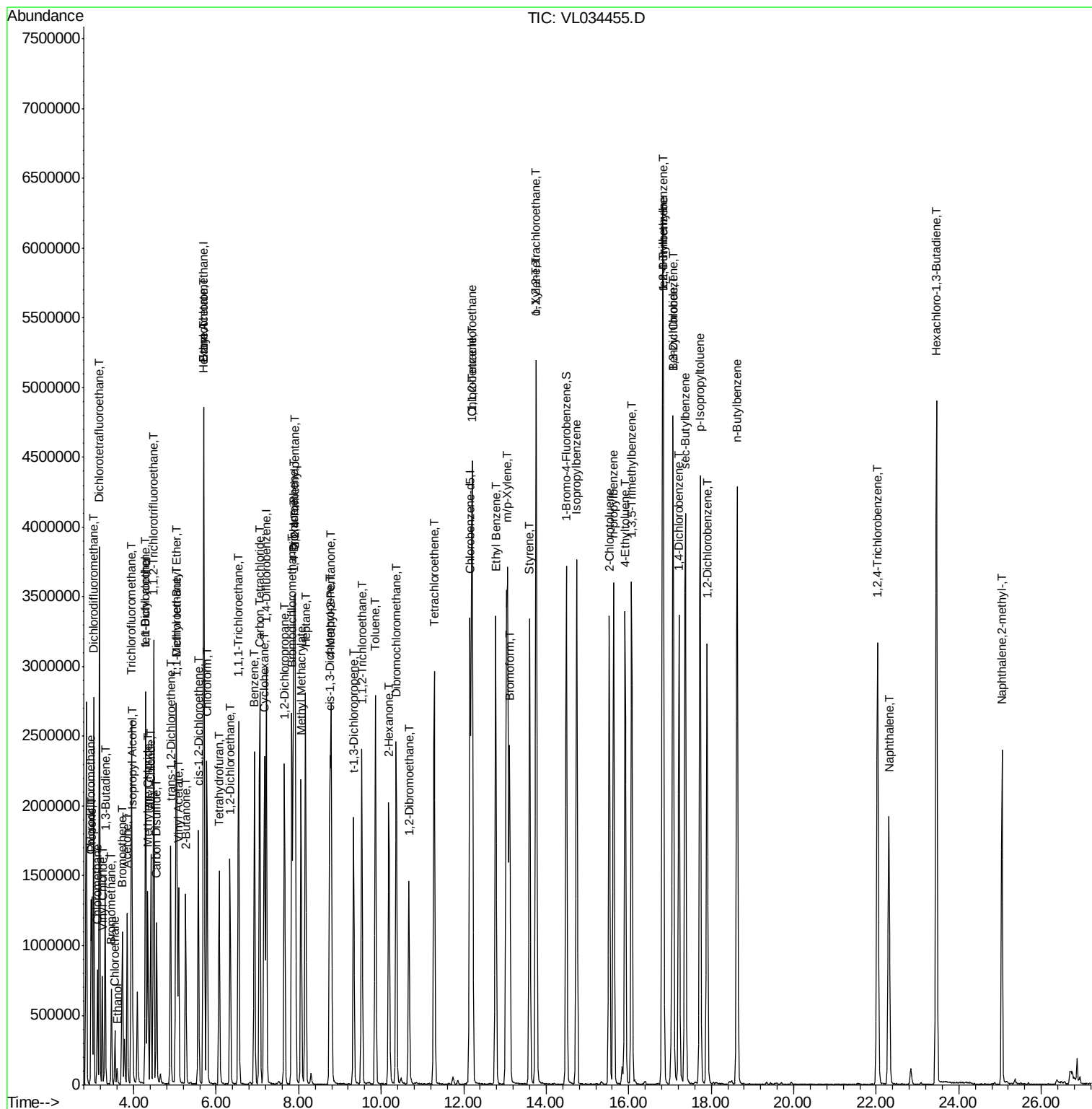
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120319\
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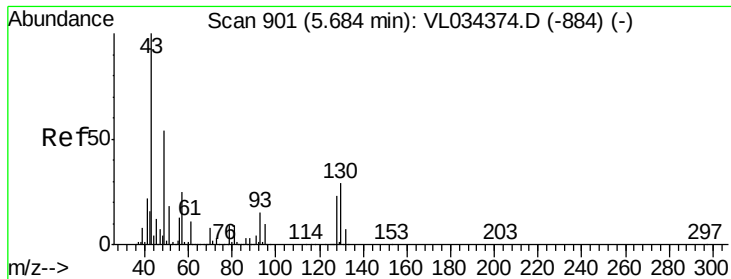
Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

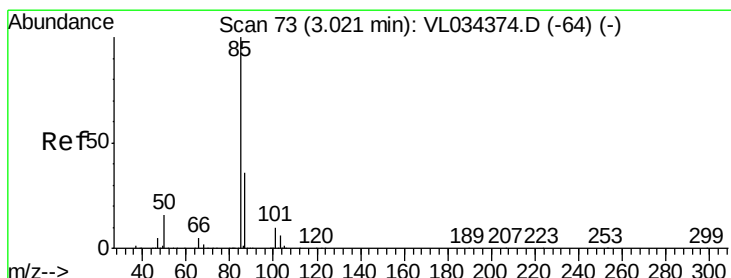
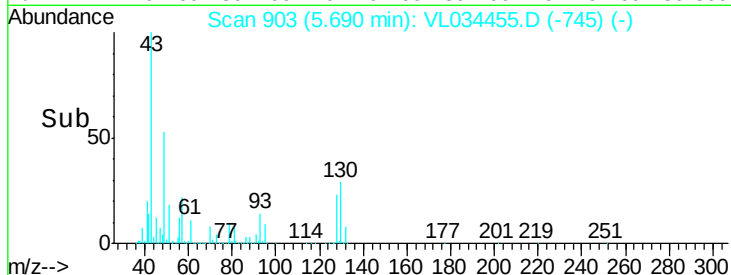
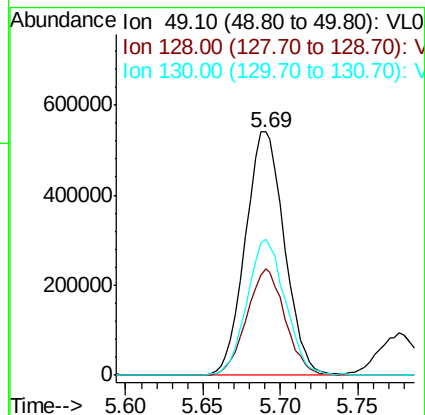
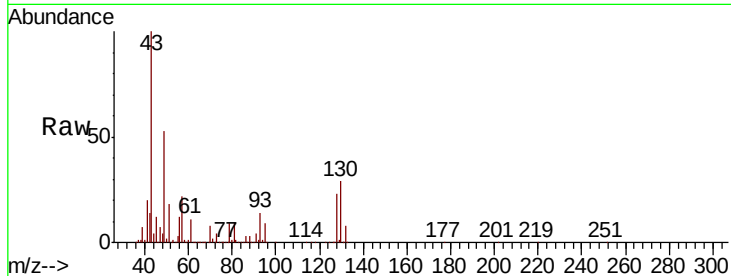
ClientSampleId :

VL1203ABS01

Tot Ion:	49	Resp:	954865
Ion	Ratio	Lower	Upper
49	100		
128	42.9	21.8	65.3
130	55.0	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 10.793 ppbv

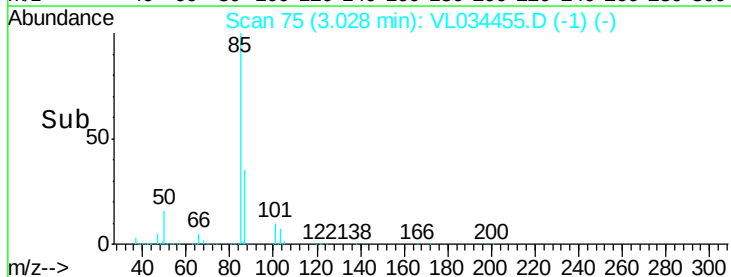
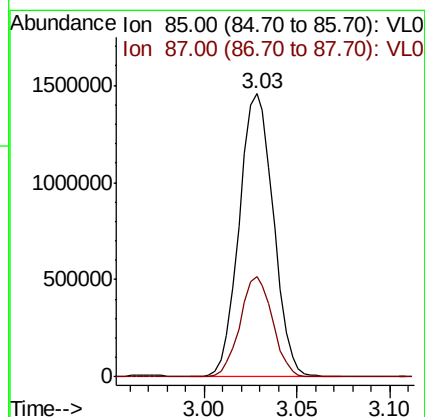
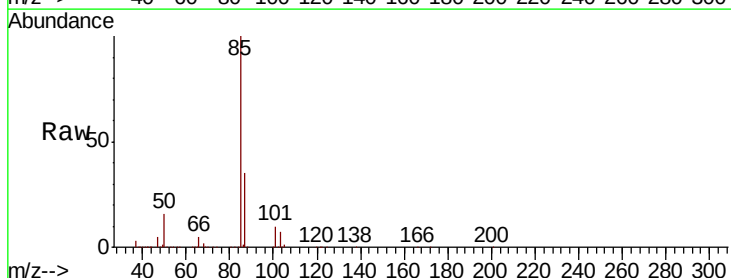
RT: 3.03 min Scan# 75

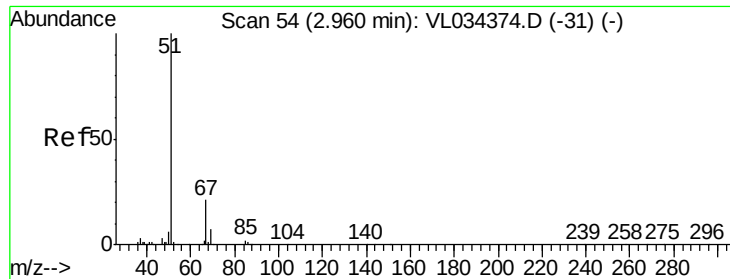
Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion:	85	Resp:	1864429
Ion	Ratio	Lower	Upper
85	100		
87	35.4	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.134 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tot Ion: 51 Resp: 1088173

Ion Ratio Lower Upper

51 100

67 21.0 16.2 24.2

Instrument :

MSVOA_L

ClientSampleId :

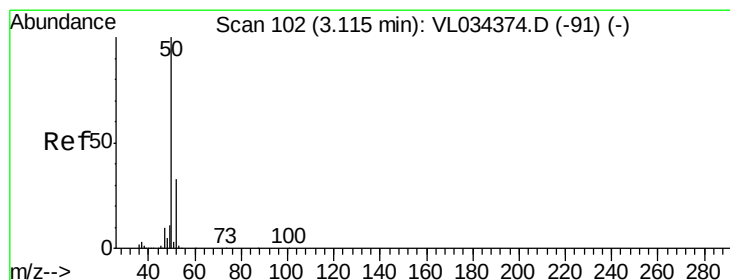
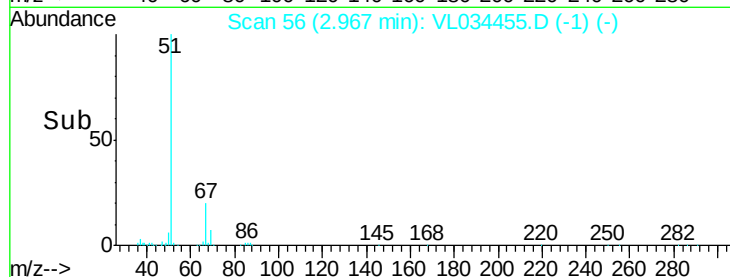
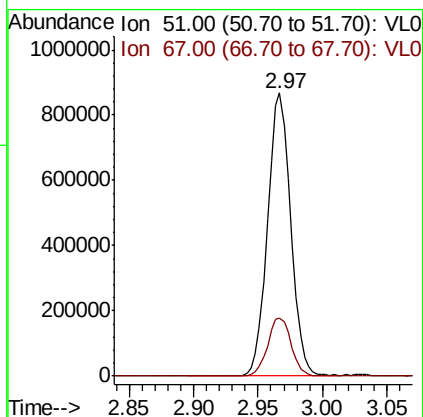
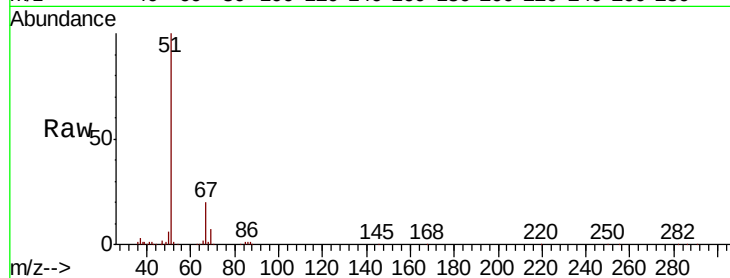
VL1203ABS01

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#4

Chloromethane

Concen: 9.362 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.01 min

Lab File: VL034455.D

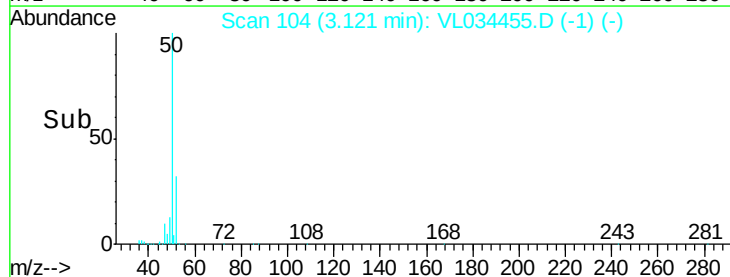
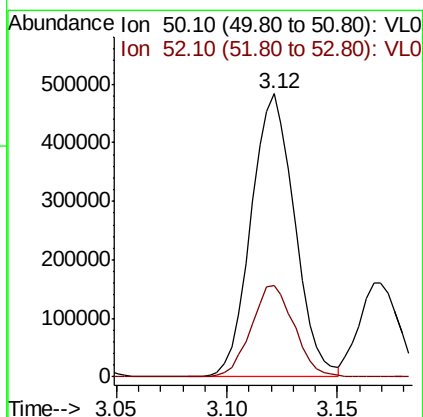
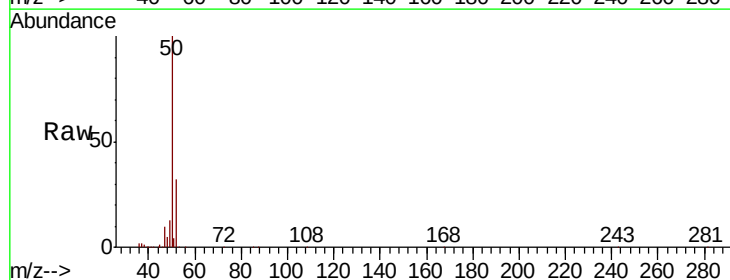
Acq: 3 Dec 2019 11:36

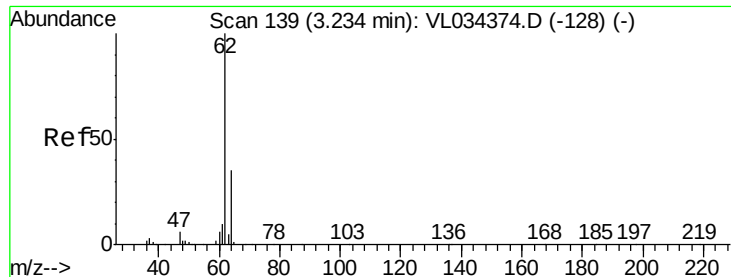
Tgt Ion: 50 Resp: 657912

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2





#5

Vinyl Chloride

Concen: 9.312 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleID :

VL1203ABS01

Tot Ion: 62 Resp: 613089

Ion Ratio Lower Upper

62 100

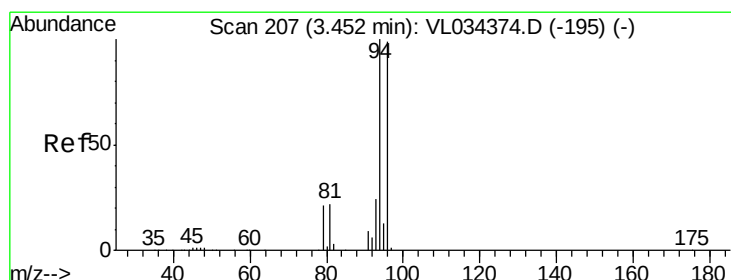
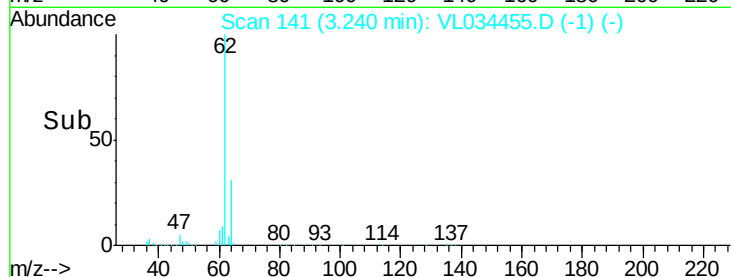
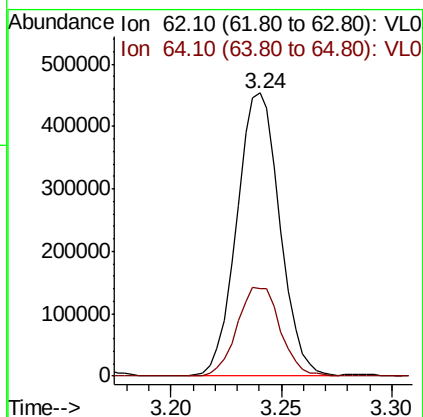
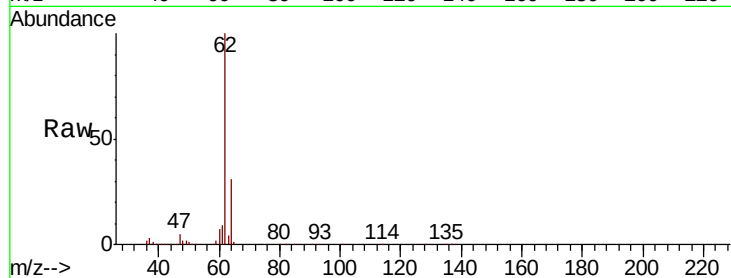
64 31.0 28.4 42.6

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#6

Bromomethane

Concen: 9.726 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL034455.D

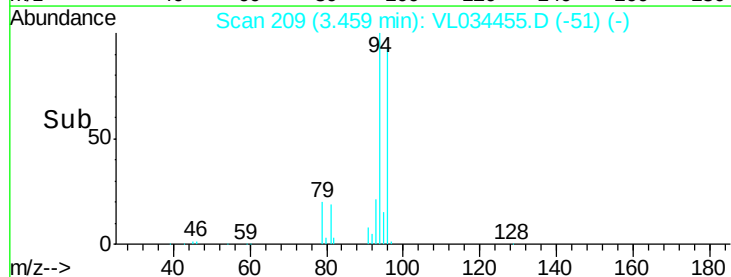
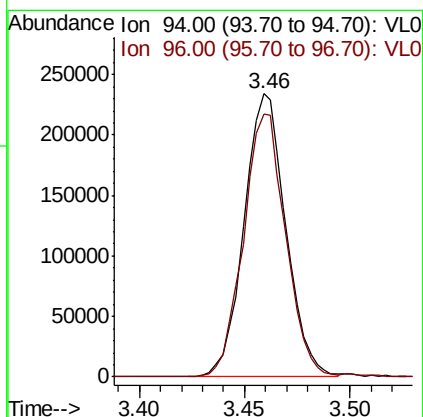
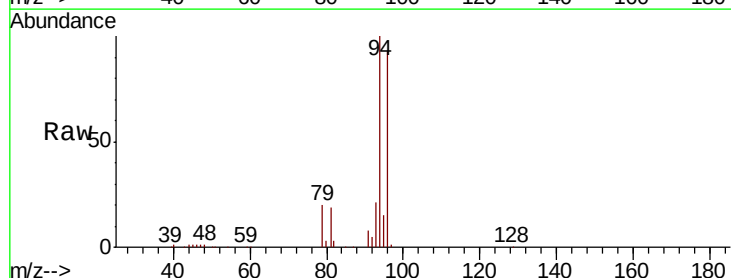
Acq: 3 Dec 2019 11:36

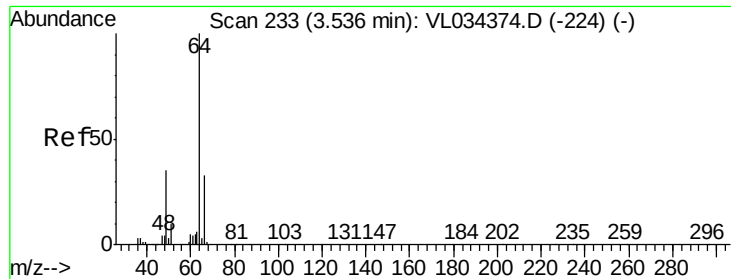
Tgt Ion: 94 Resp: 322206

Ion Ratio Lower Upper

94 100

96 92.9 79.5 119.3





#7

Chloroethane

Concen: 9.586 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 64 Resp: 229087

Ion Ratio Lower Upper

64 100

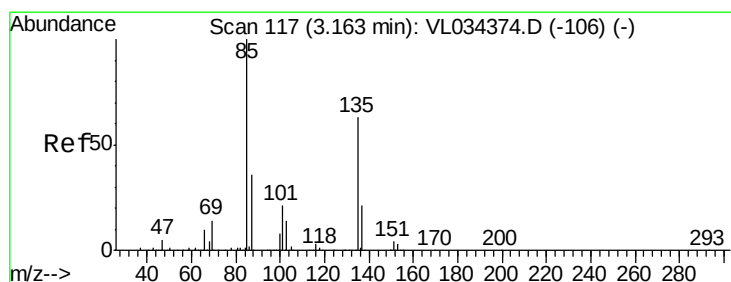
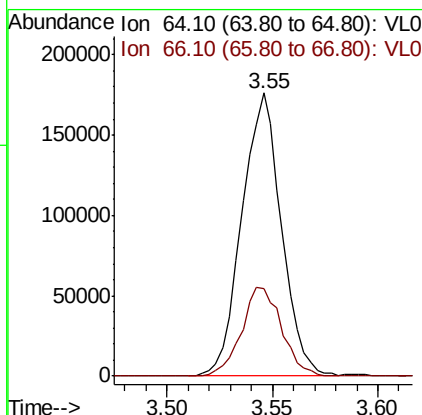
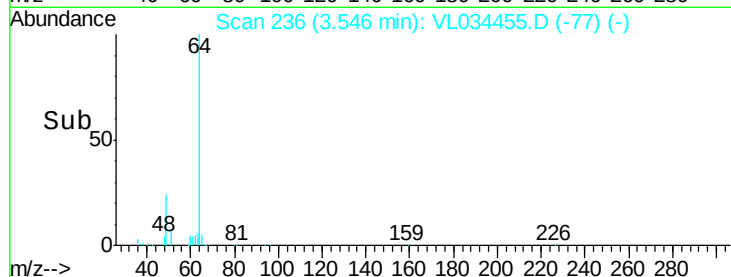
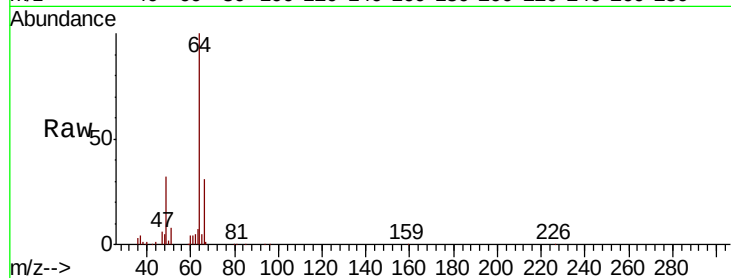
66 31.1 26.0 39.0

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#8

Dichlorotetrafluoroethane

Concen: 9.124 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL034455.D

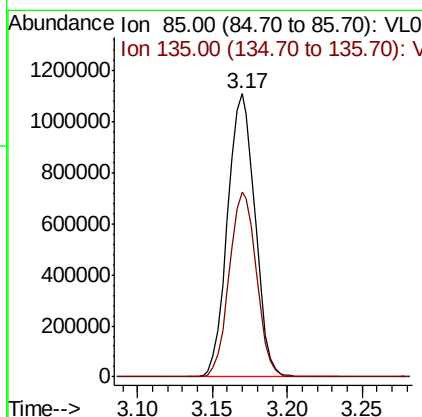
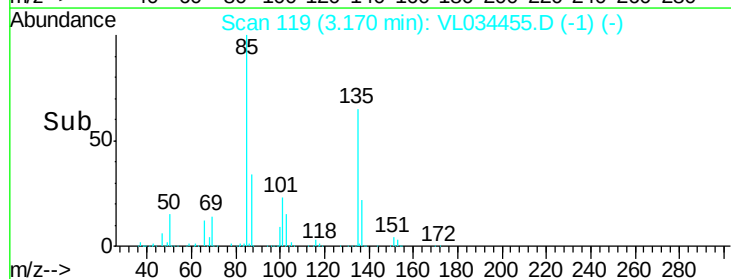
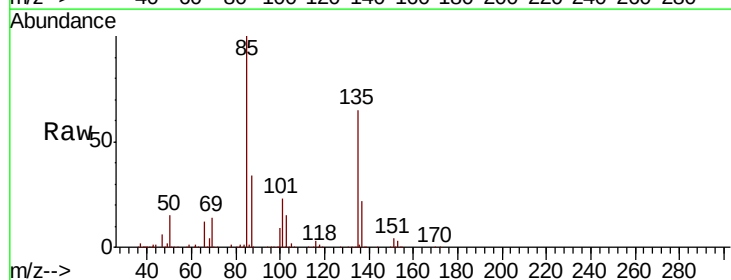
Acq: 3 Dec 2019 11:36

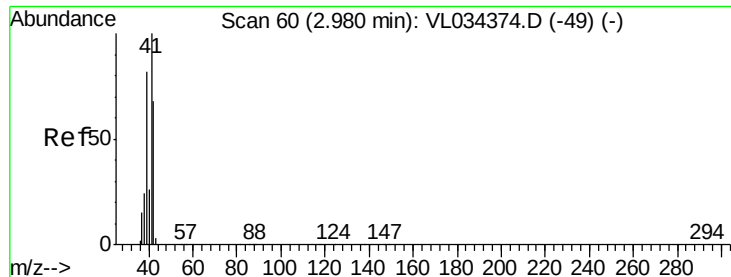
Tgt Ion: 85 Resp: 1415323

Ion Ratio Lower Upper

85 100

135 64.8 51.1 76.7





#9

Propene

Concen: 9.021 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 41 Resp: 477135

Ion Ratio Lower Upper

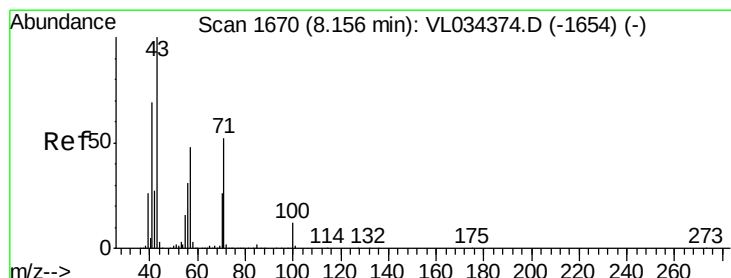
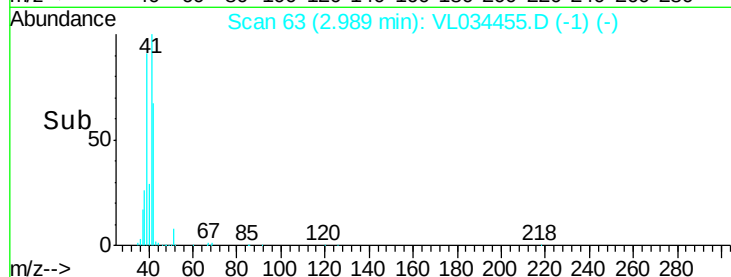
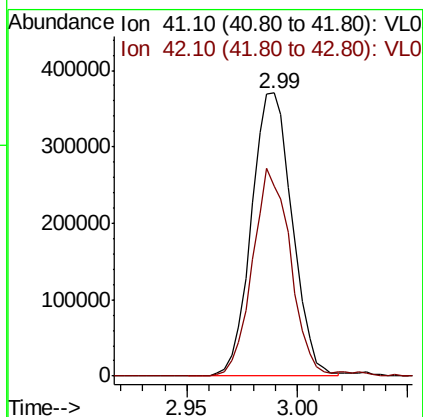
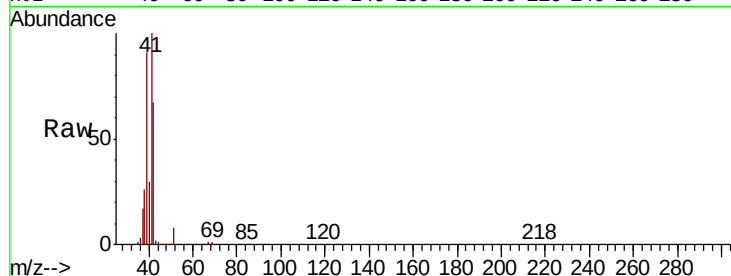
41 100

42 69.7 54.6 82.0

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#10

Heptane

Concen: 9.296 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VL034455.D

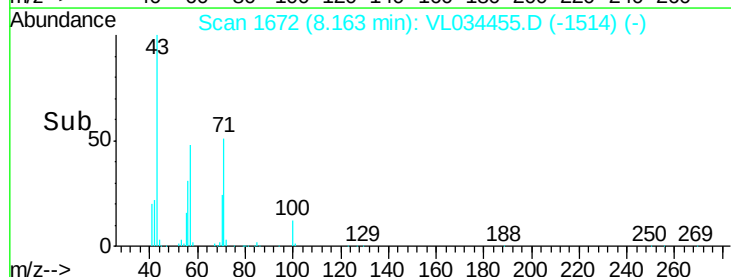
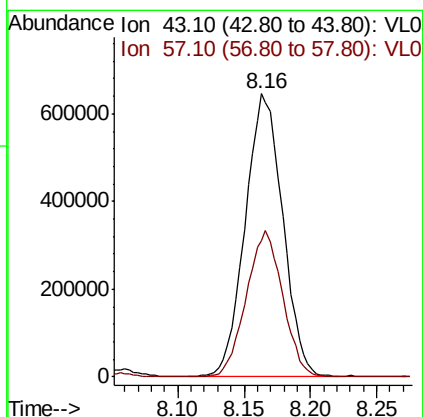
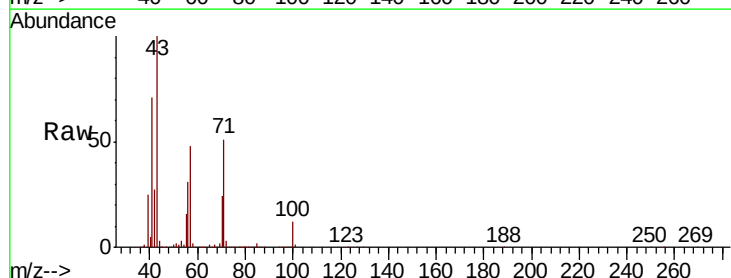
Acq: 3 Dec 2019 11:36

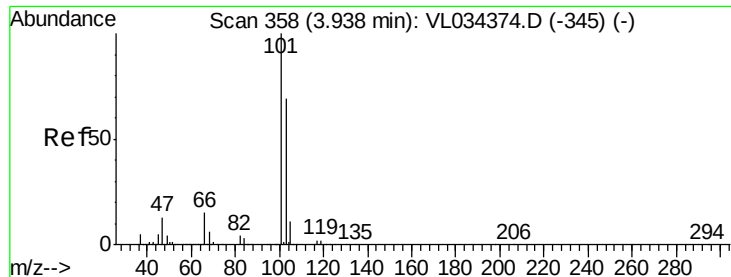
Tgt Ion: 43 Resp: 1268917

Ion Ratio Lower Upper

43 100

57 50.3 40.2 60.2





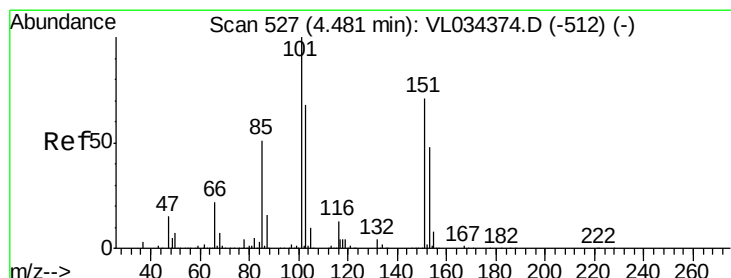
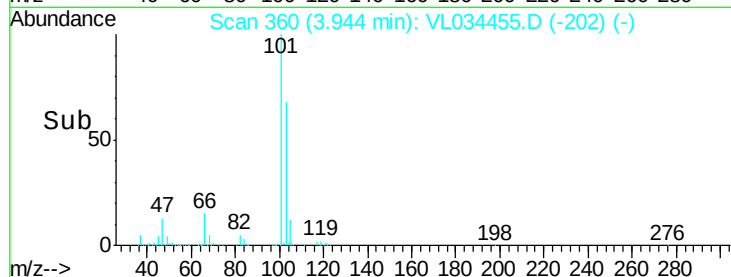
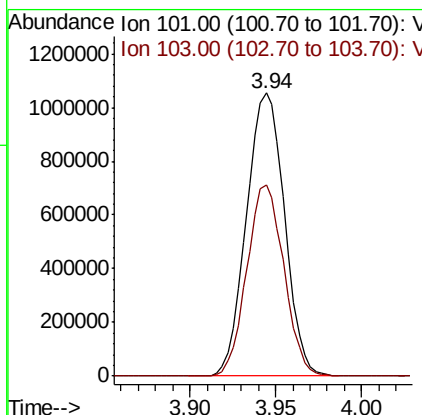
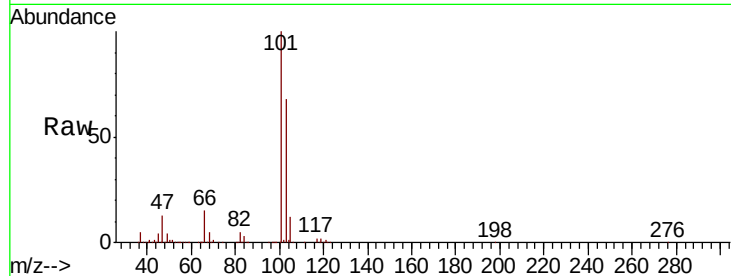
#11
 Trichlorofluoromethane
 Concen: 9.434 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion:101 Resp: 1621830
 Ion Ratio Lower Upper
 101 100
 103 67.7 55.4 83.0

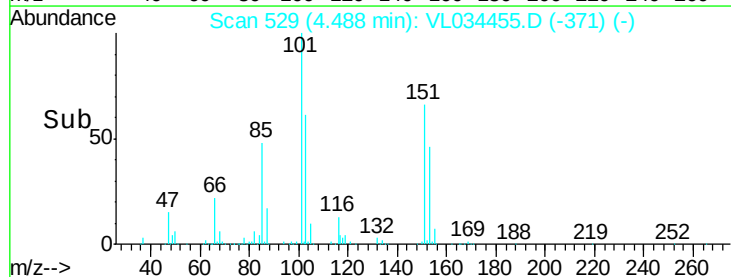
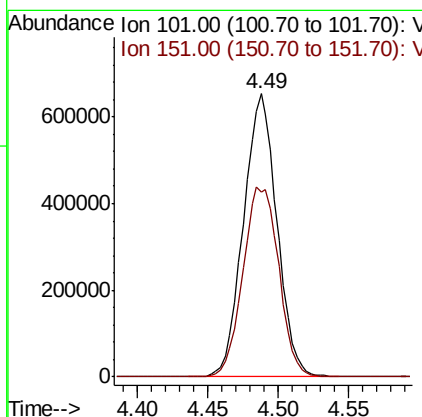
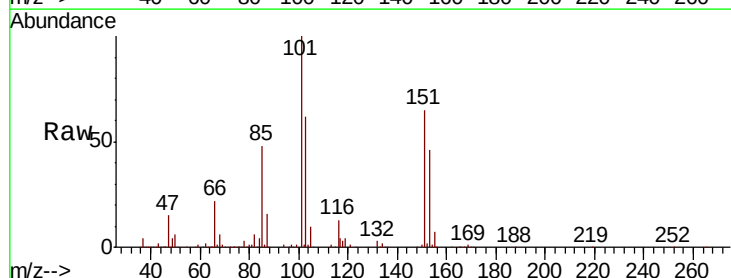
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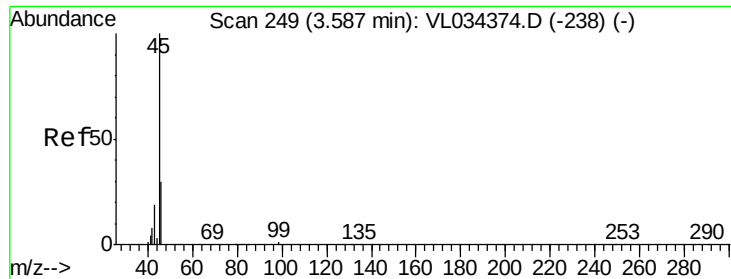
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.497 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Tgt Ion:101 Resp: 1084246
 Ion Ratio Lower Upper
 101 100
 151 72.1 57.4 86.2





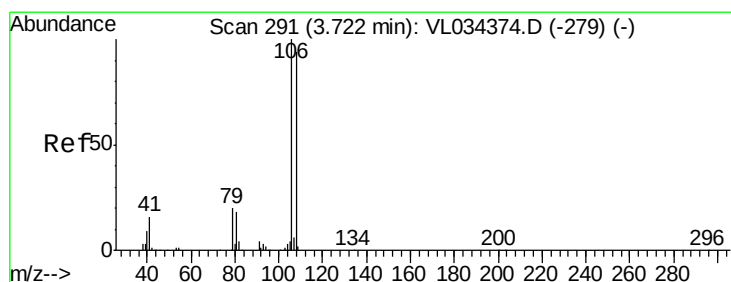
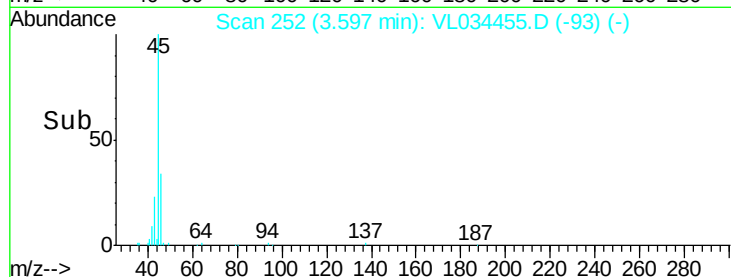
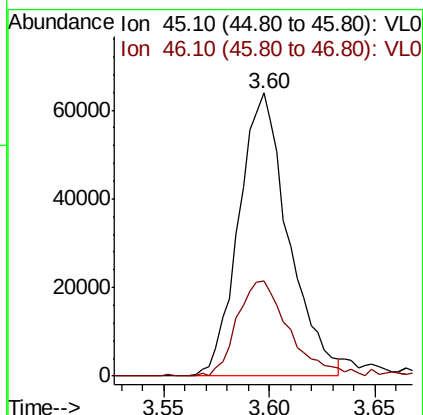
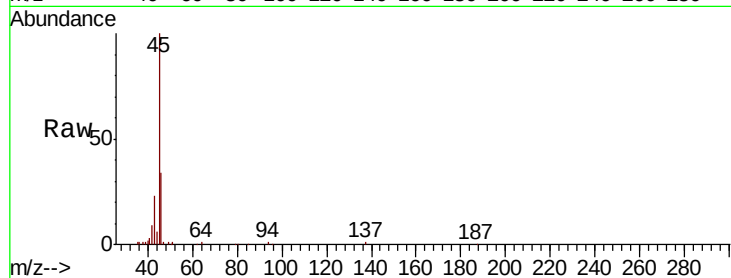
#13
Ethanol
Concen: 7.092 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	36.4			13.8	55.4

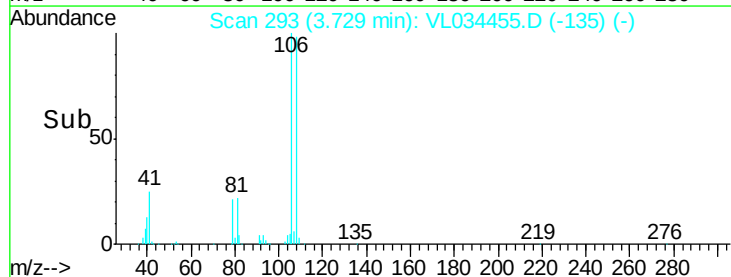
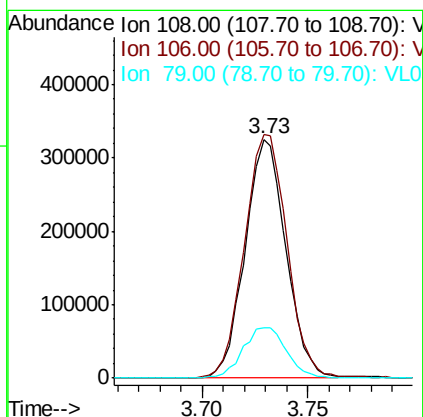
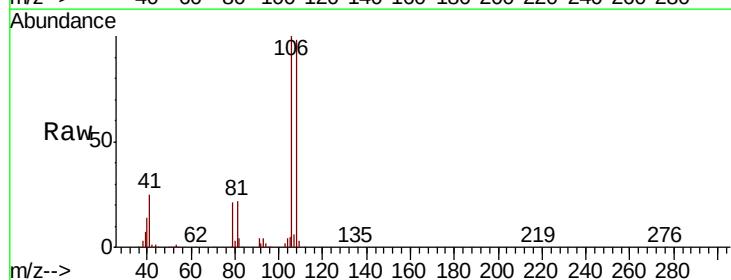
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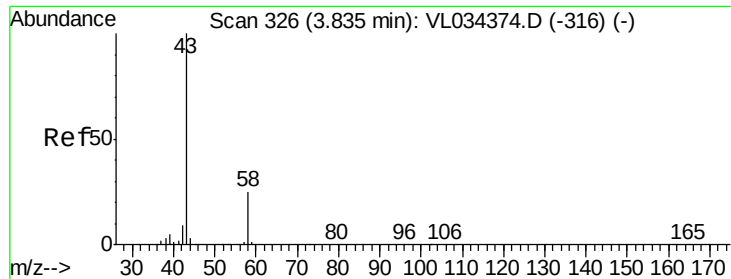
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#14
Bromoethene
Concen: 9.444 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	107.3			85.7	128.5	
79	22.5			17.2	25.8	





#15

Acetone

Concen: 8.662 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 43 Resp: 1184424

Ion Ratio Lower Upper

43 100

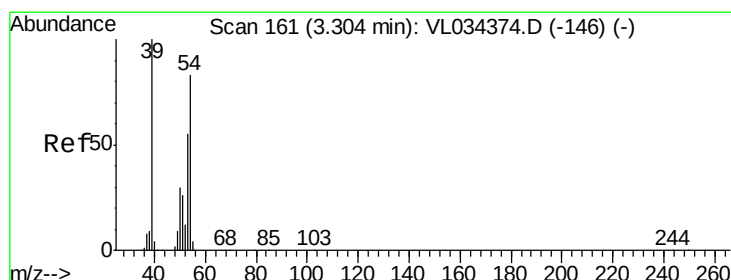
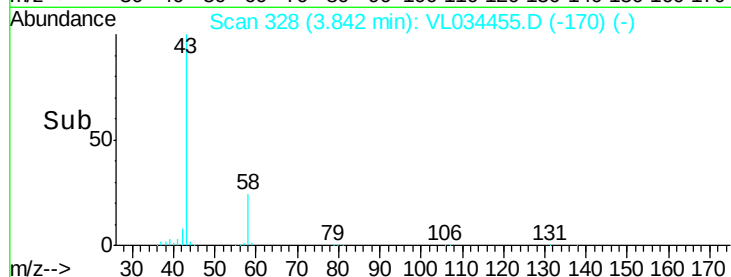
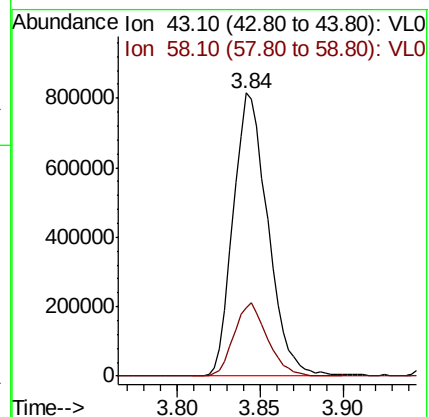
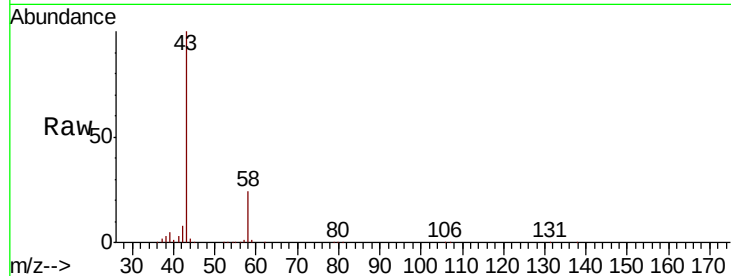
58 25.0 20.2 30.4

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#16

1,3-Butadiene

Concen: 9.459 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.01 min

Lab File: VL034455.D

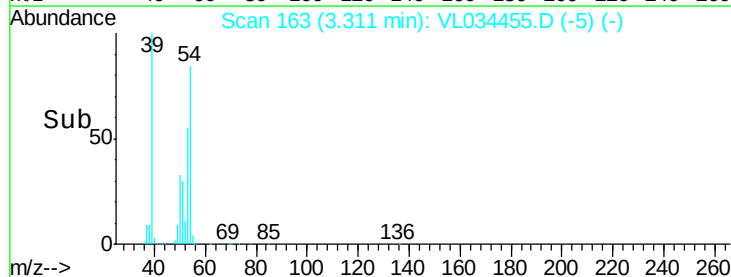
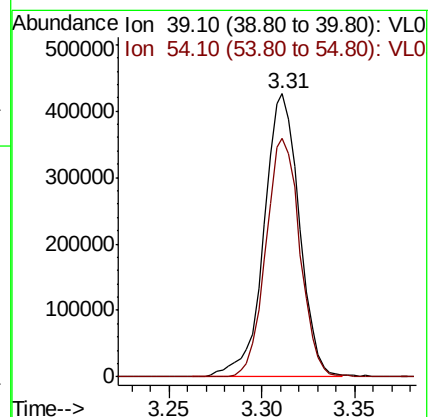
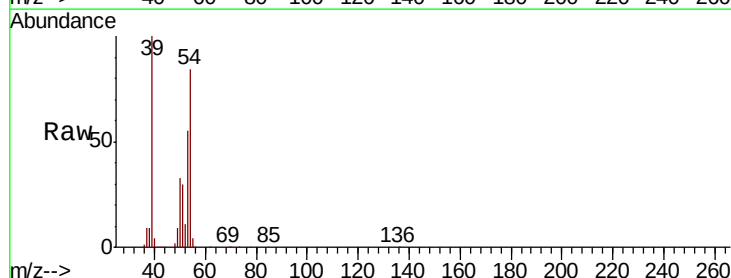
Acq: 3 Dec 2019 11:36

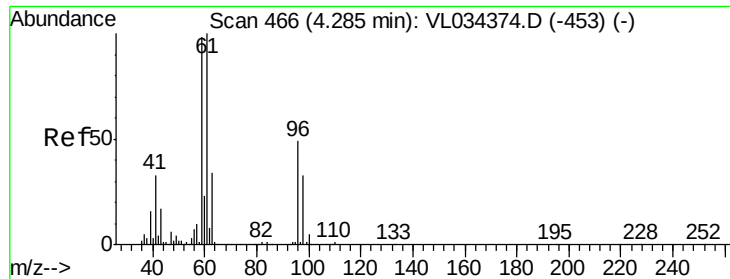
Tgt Ion: 39 Resp: 563366

Ion Ratio Lower Upper

39 100

54 81.5 64.7 97.1





#17

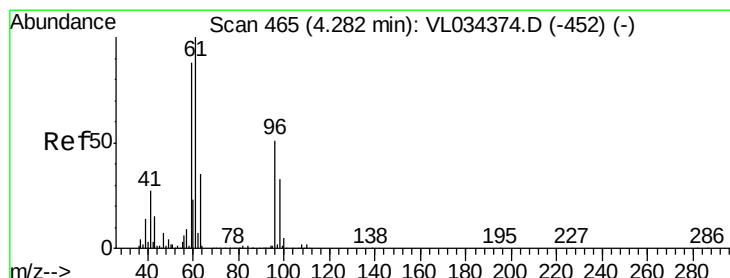
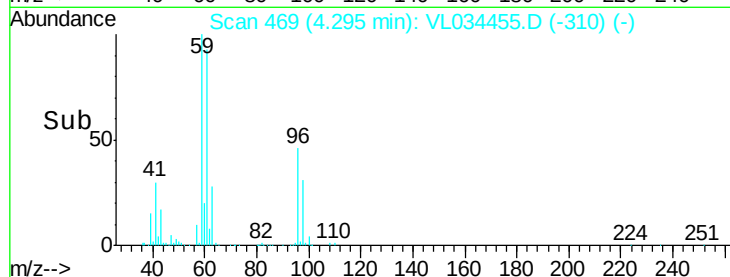
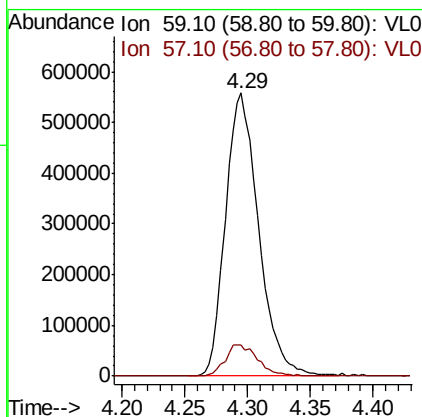
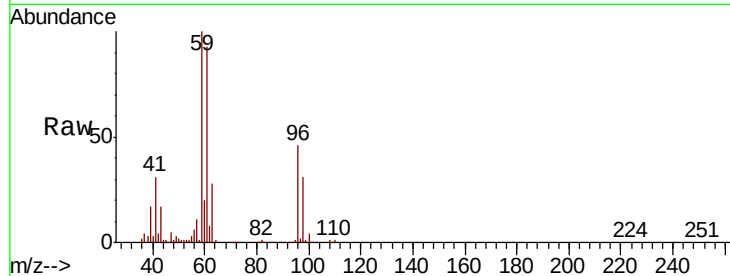
tert-Butyl alcohol
Concen: 8.890 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion: 59 Resp: 1021732
Ion Ratio Lower Upper
59 100
57 11.1 8.8 13.2

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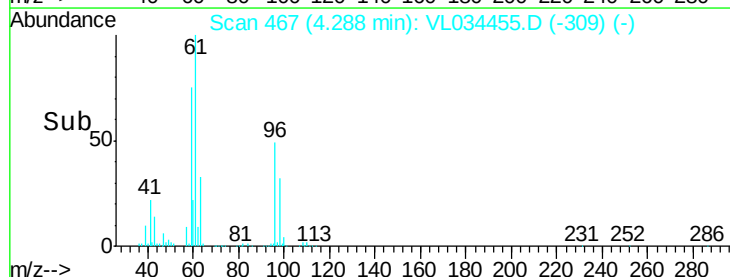
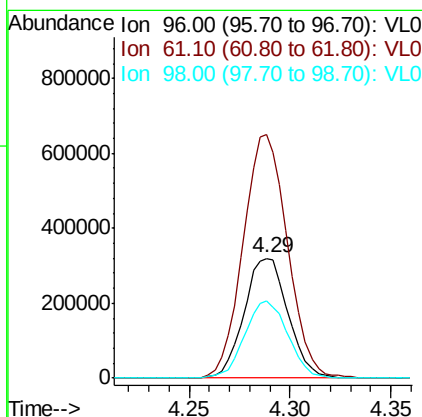
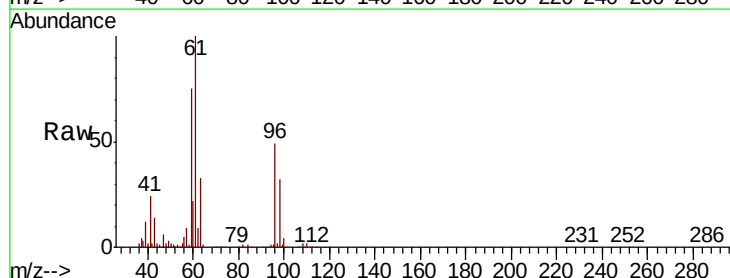
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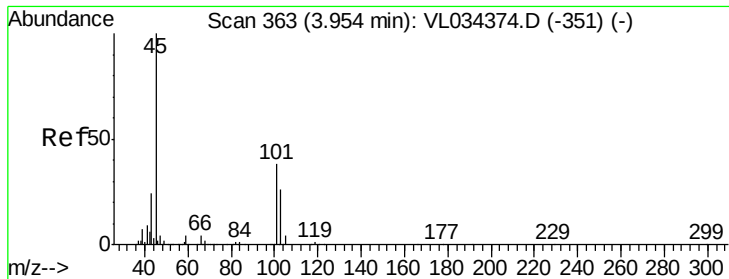


#18

1,1-Dichloroethene
Concen: 9.725 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion: 96 Resp: 485675
Ion Ratio Lower Upper
96 100
61 202.6 155.6 233.4
98 64.3 51.6 77.4





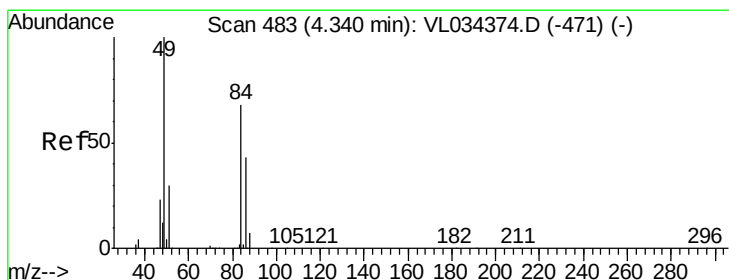
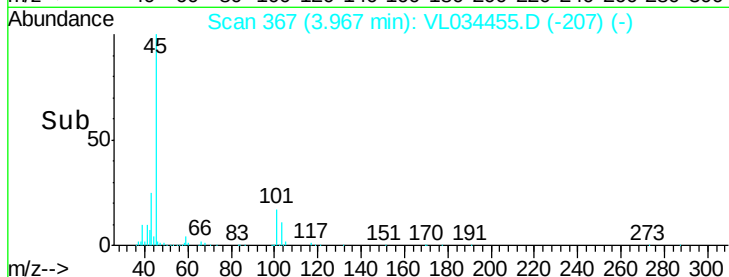
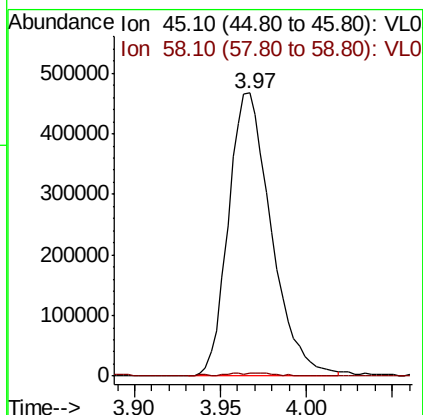
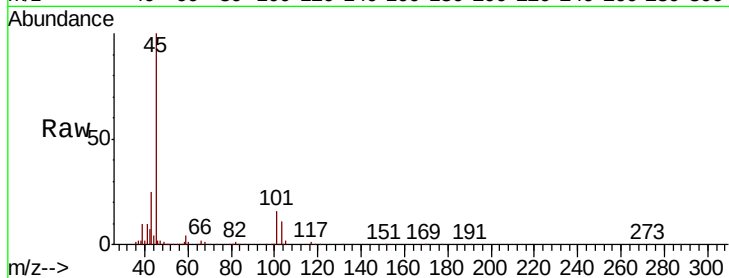
#19
Isopropyl Alcohol
Concen: 9.276 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.6	1.3	1.9

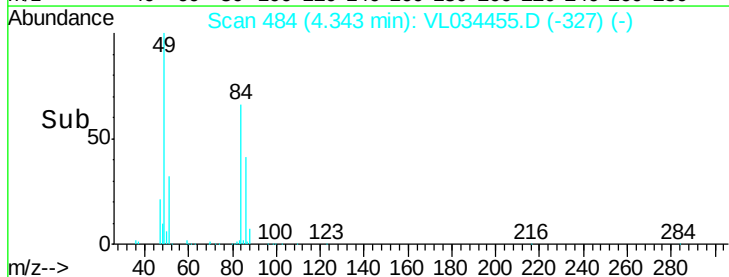
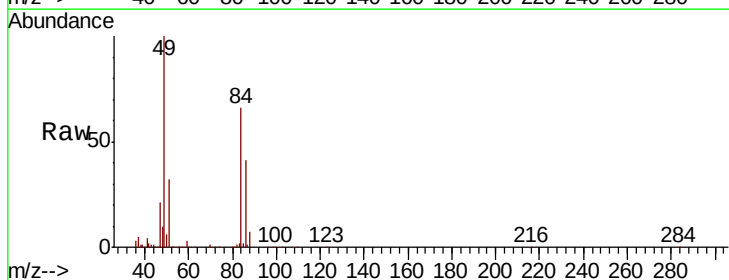
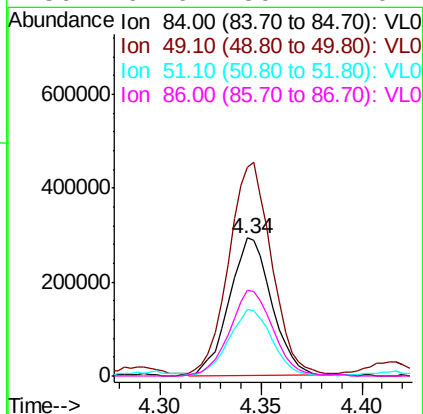
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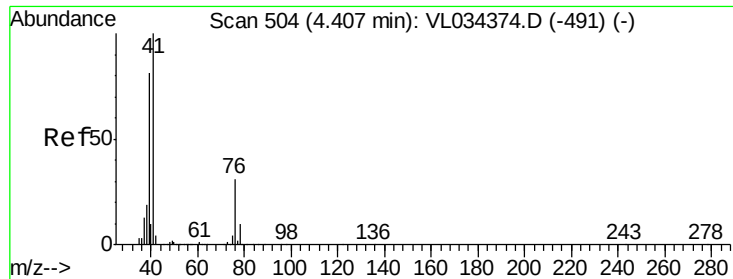
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#20
Methylene Chloride
Concen: 8.887 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.4	116.8	175.2
51	47.8	35.6	53.4
86	61.6	50.7	76.1





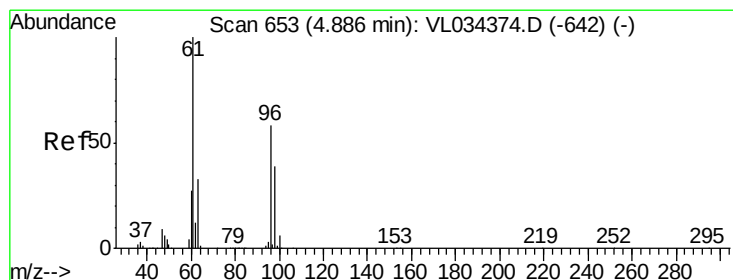
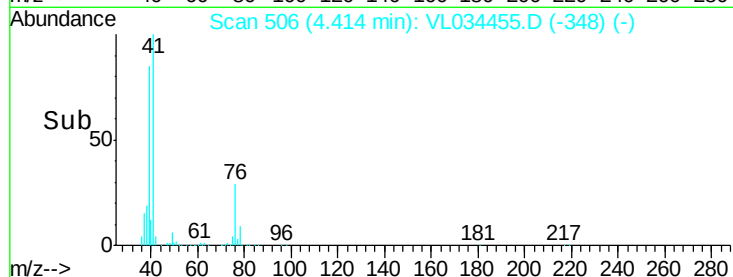
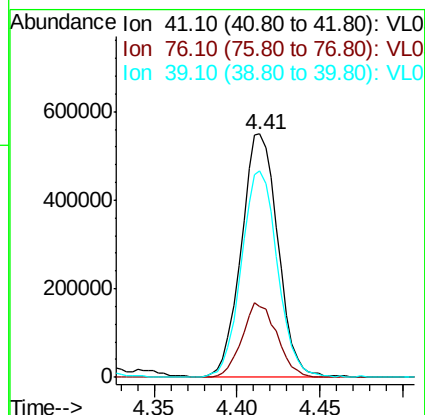
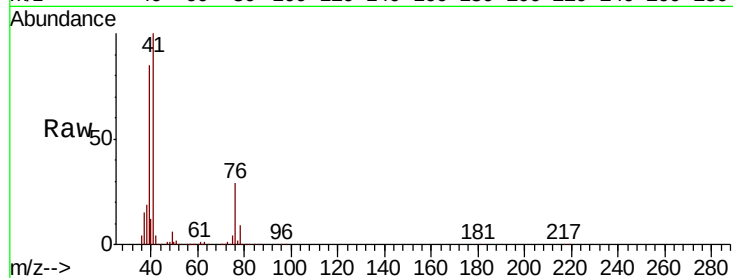
#21
Allvl Chloride
Concen: 10.220 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.2	36.2
39	84.2	66.9	100.3

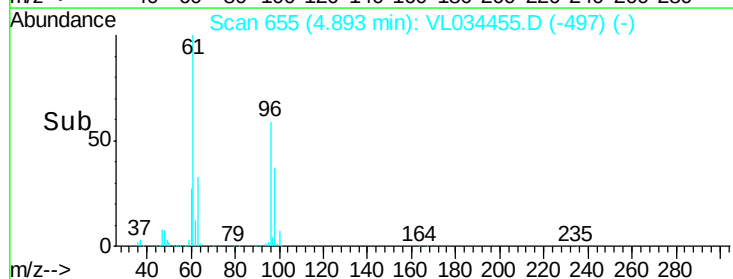
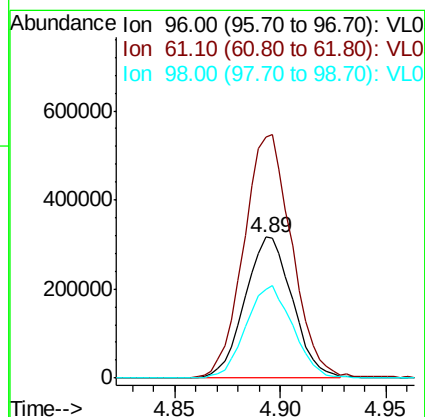
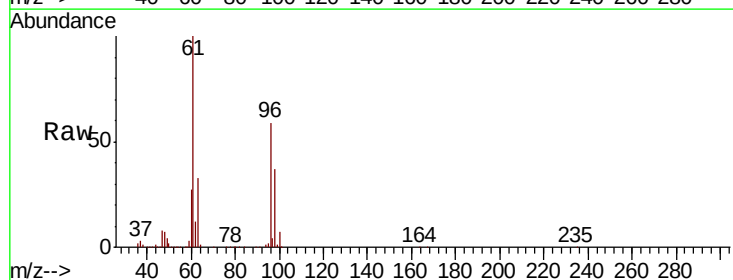
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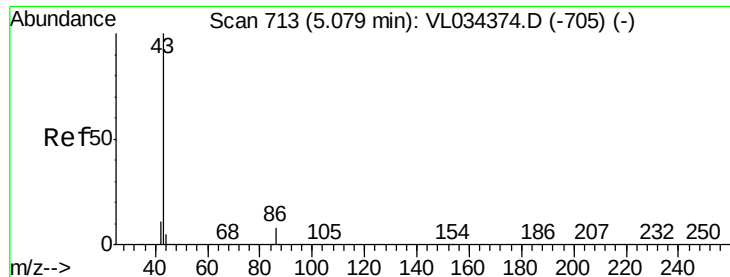
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#22
trans-1,2-Dichloroethene
Concen: 9.800 ppbv
RT: 4.89 min Scan# 655
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	137.9	206.9
98	63.1	53.5	80.3





#23

Vinyl Acetate

Concen: 10.009 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tot Ion: 43 Resp: 1787824

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6

42 10.7 8.9 13.3

44 5.5 4.0 6.0

Instrument :

MSVOA_L

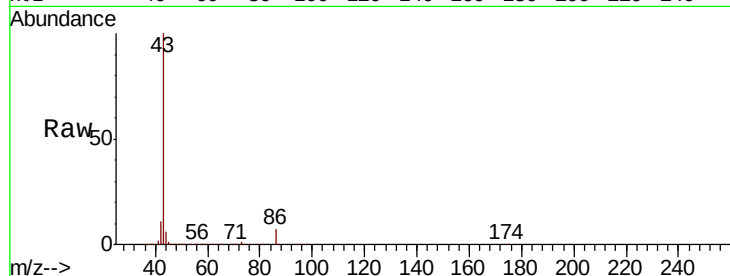
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VL1203ABS01

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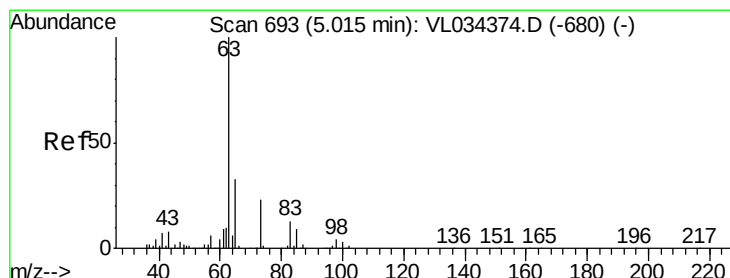
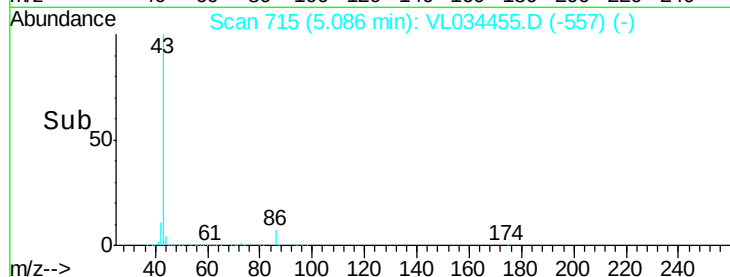
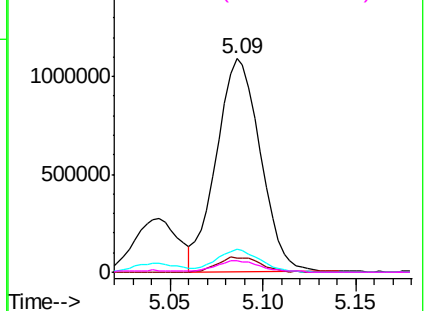


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.352 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

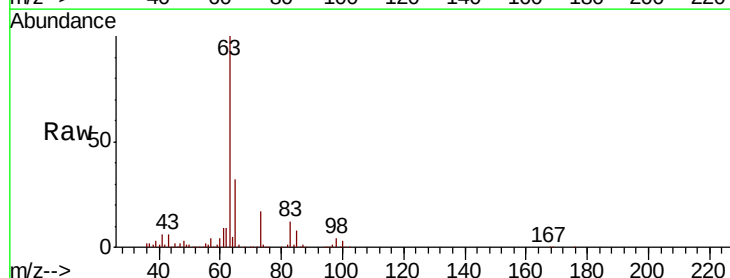
Tgt Ion: 63 Resp: 1283133

Ion Ratio Lower Upper

63 100

98 4.0 1.9 5.7

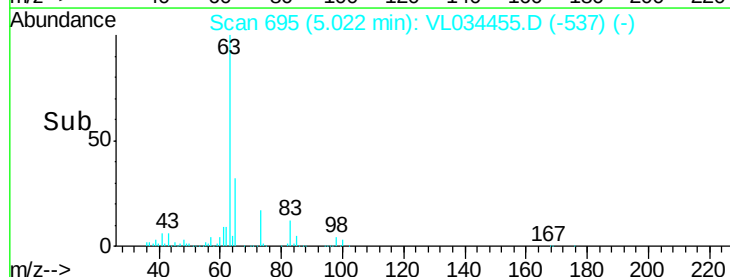
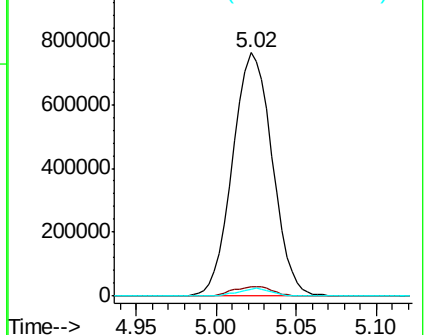
100 2.7 1.4 4.0

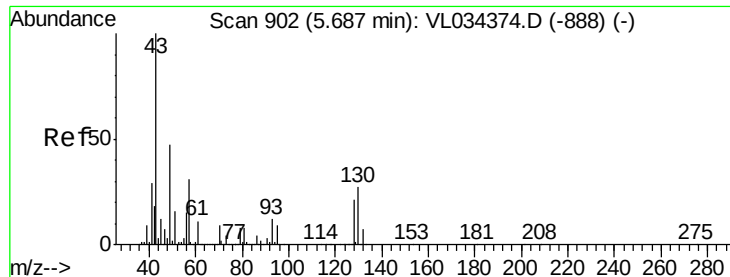


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





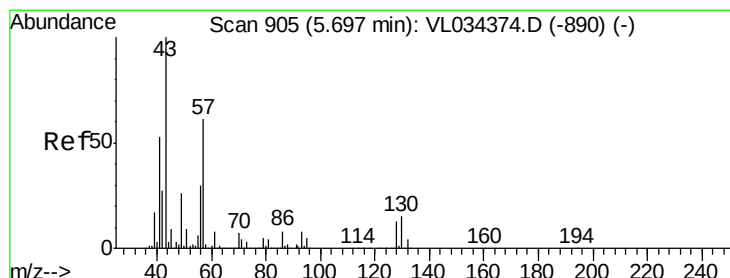
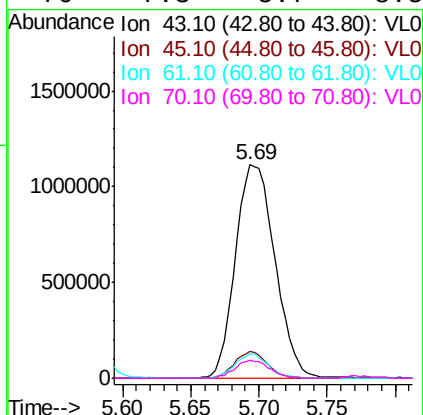
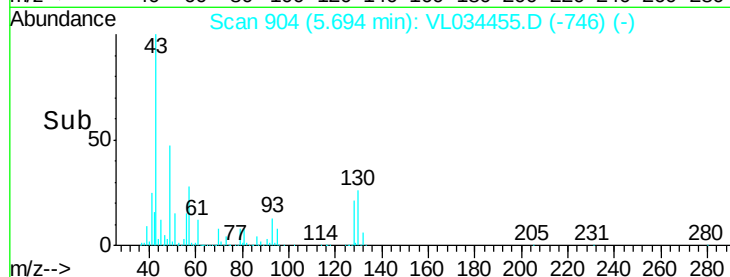
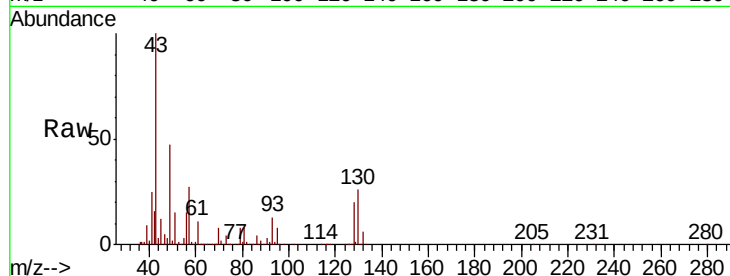
#25
Ethyl Acetate
Concen: 9.210 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.4	8.2	12.4	
61	9.5	7.5	11.3	
70	7.3	5.7	8.5	

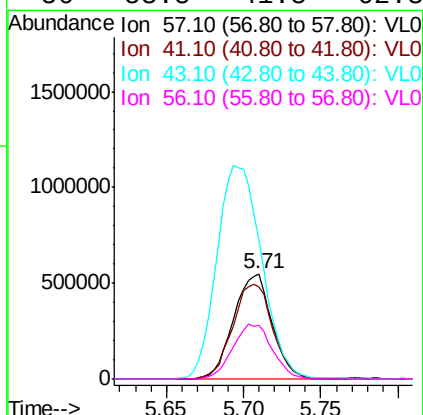
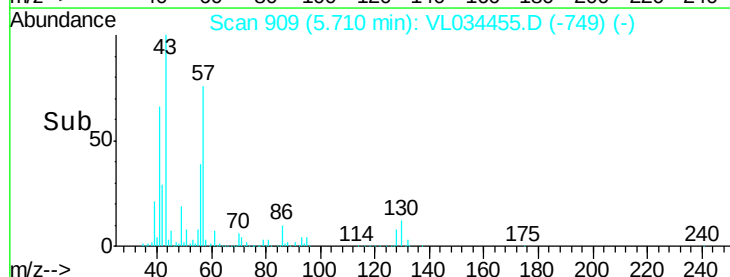
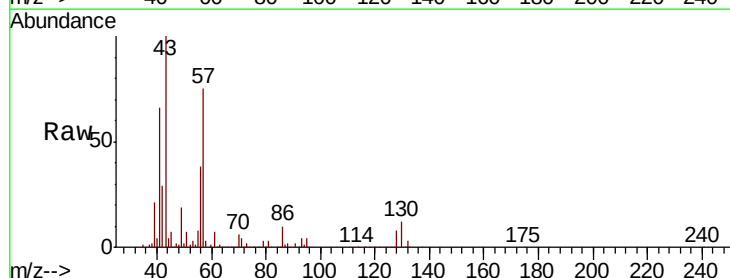
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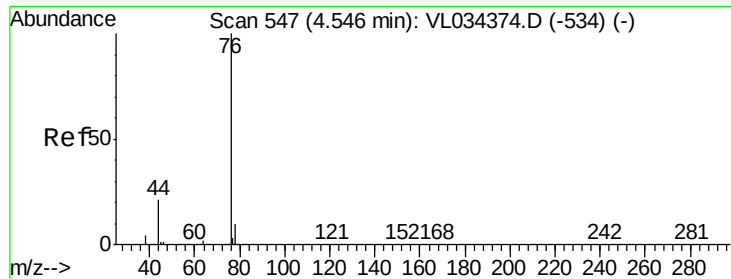
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12/3/2019 5:04:00 PM



#26
Hexane
Concen: 9.022 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.2	75.0	112.4	
43	238.5	186.6	279.8	
56	53.5	41.5	62.3	





#27

Carbon Disulfide

Concen: 11.080 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 76 Resp: 1265276

Ion Ratio Lower Upper

76 100

44 20.1 17.0 25.4

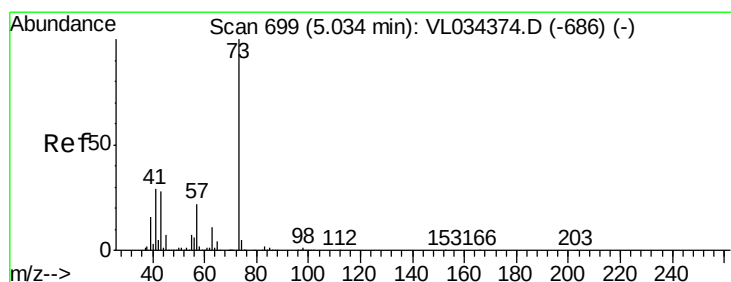
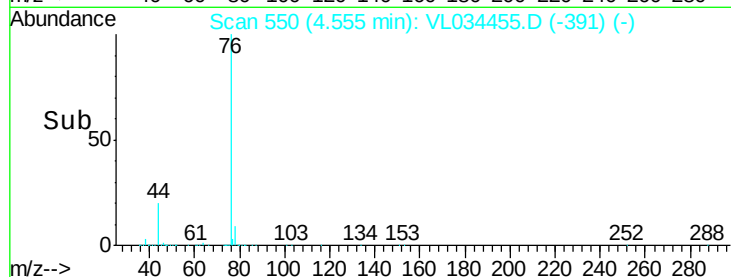
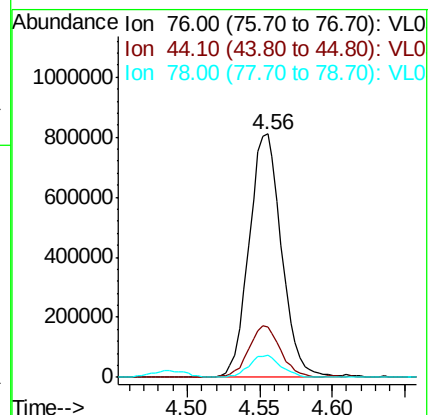
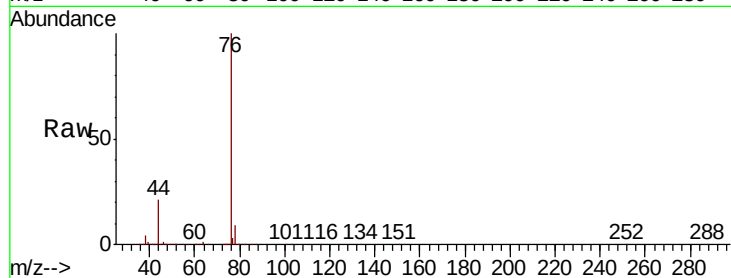
78 8.9 7.6 11.4

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.767 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL034455.D

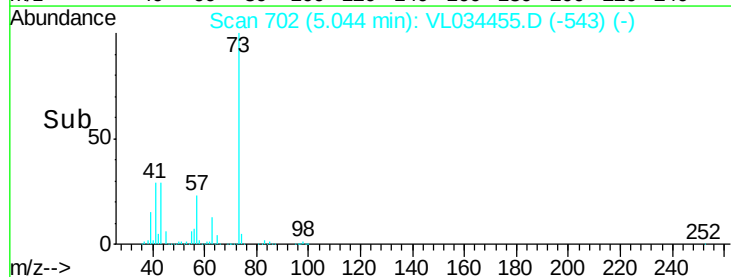
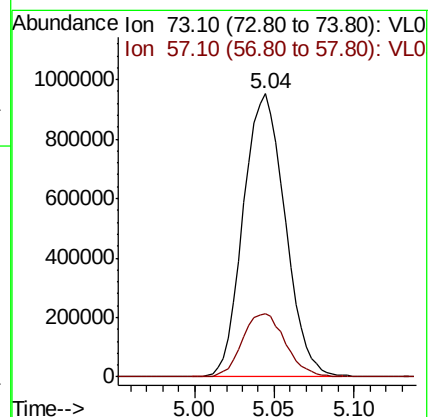
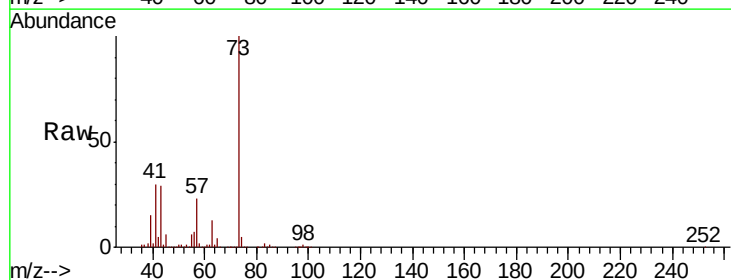
Acq: 3 Dec 2019 11:36

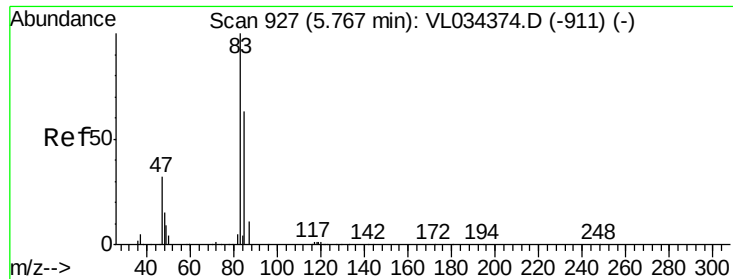
Tgt Ion: 73 Resp: 1697975

Ion Ratio Lower Upper

73 100

57 23.1 18.4 27.6





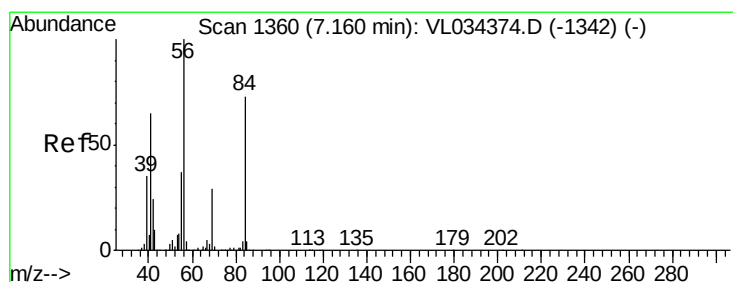
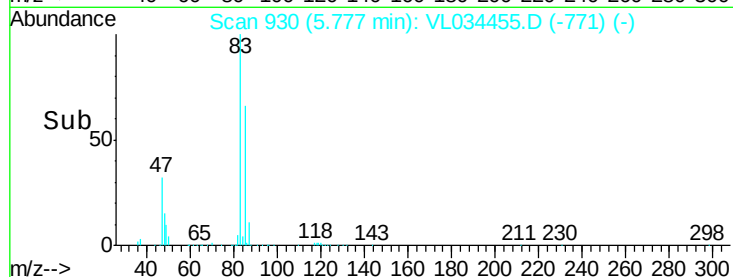
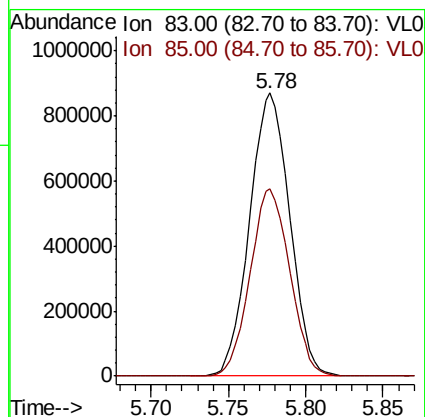
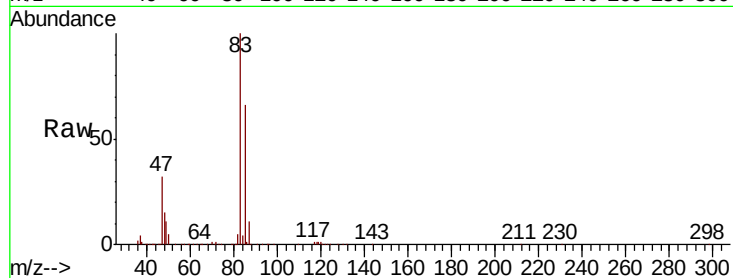
#29
Chloroform
Concen: 9.260 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion: 83 Resp: 1572150
Ion Ratio Lower Upper
83 100
85 65.9 50.4 75.6

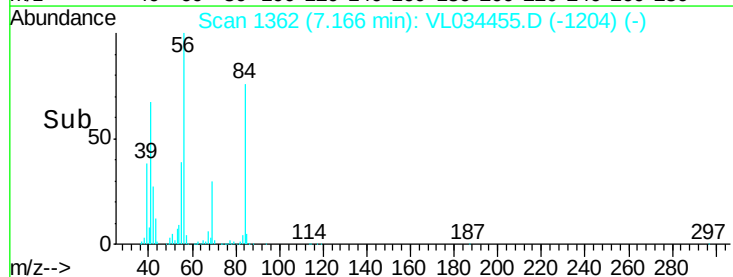
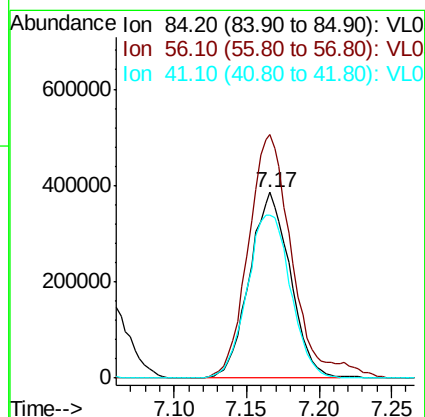
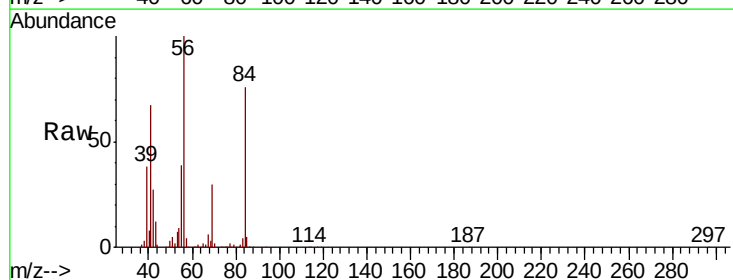
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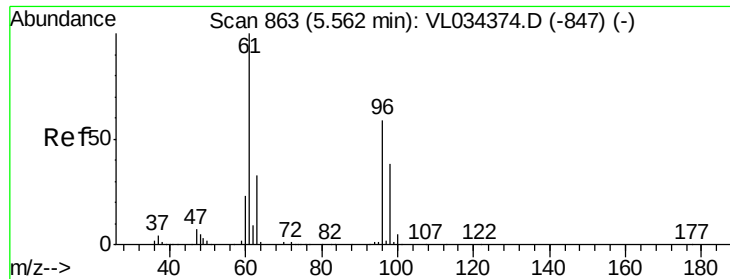
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#30
Cyclohexane
Concen: 9.491 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion: 84 Resp: 752276
Ion Ratio Lower Upper
84 100
56 141.7 112.6 169.0
41 94.2 73.4 110.2





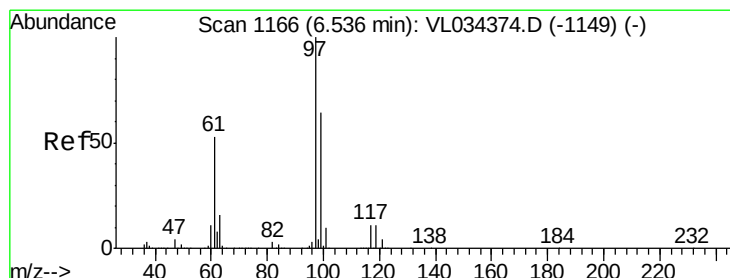
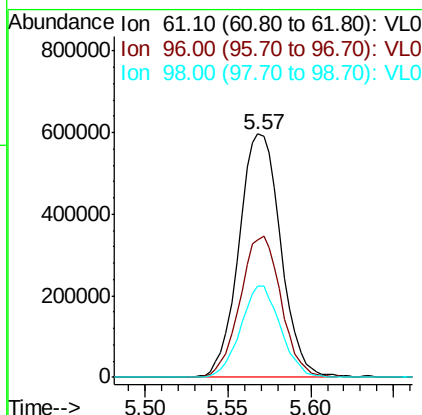
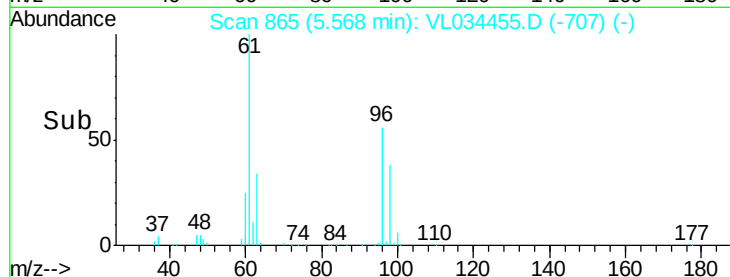
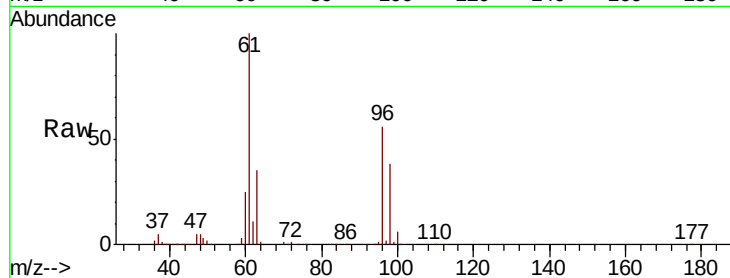
#31
 cis-1,2-Dichloroethene
 Concen: 9.648 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion: 61 Resp: 1045311
 Ion Ratio Lower Upper
 61 100
 96 56.4 47.4 71.2
 98 37.8 30.6 45.8

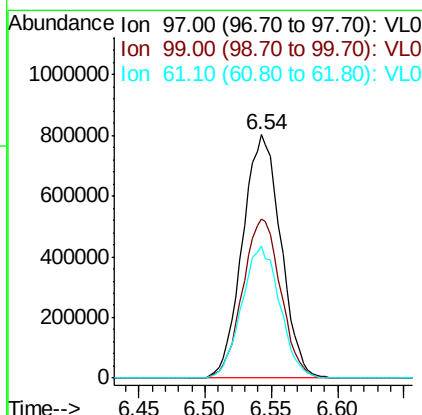
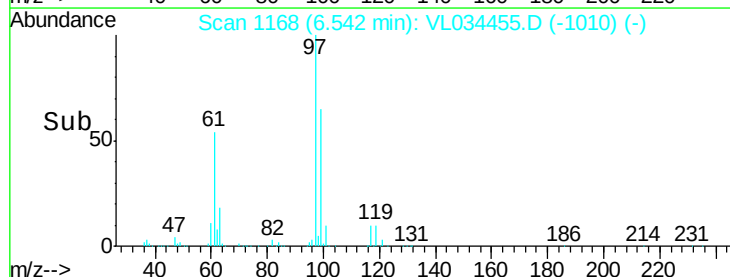
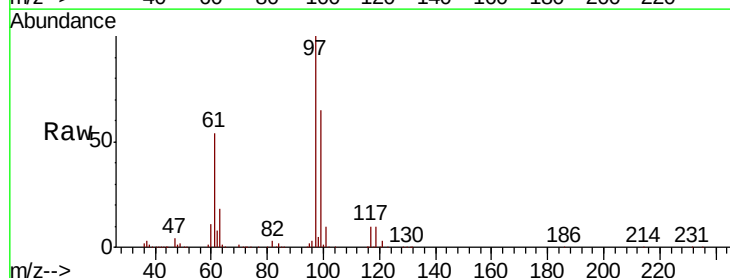
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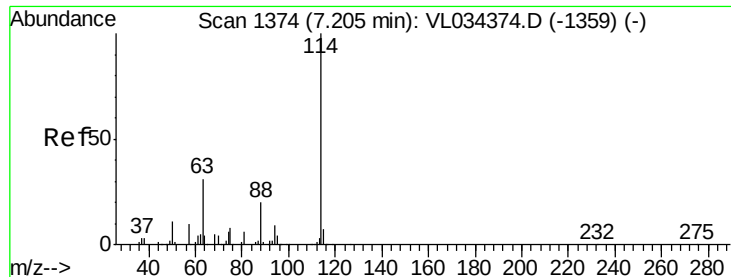
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#32
 1,1,1-Trichloroethane
 Concen: 10.147 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Tgt Ion: 97 Resp: 1615260
 Ion Ratio Lower Upper
 97 100
 99 65.1 52.3 78.5
 61 53.9 43.7 65.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

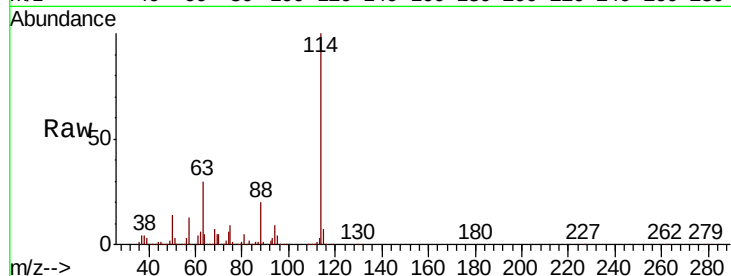
ClientSampleId :

VL1203ABS01

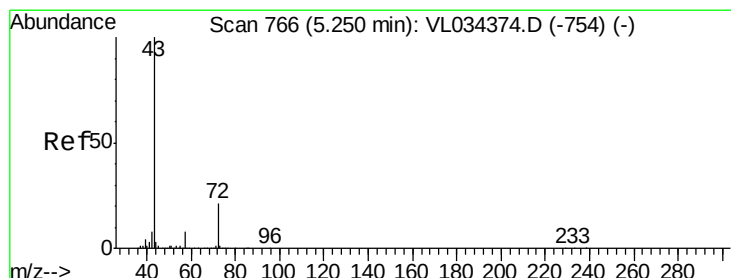
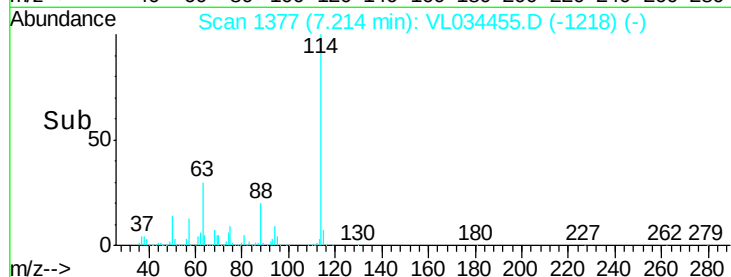
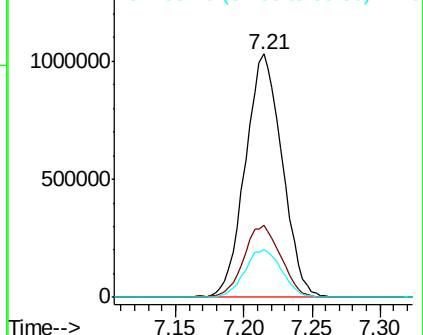
Tot Ion:	114	Resp:	1931093
Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.2	36.4
88	19.8	15.9	23.9

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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: 9.235 ppbv

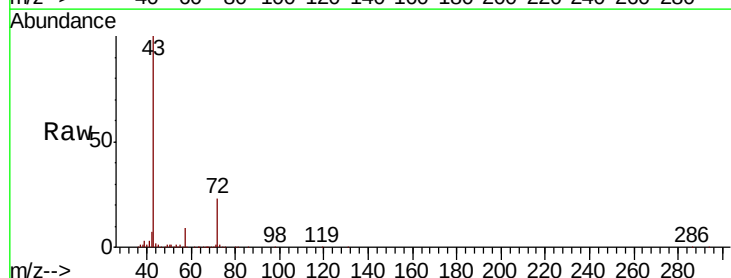
RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

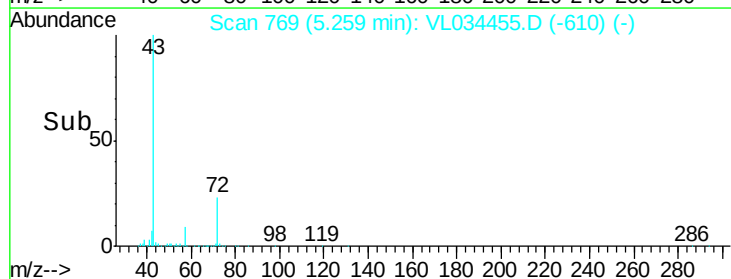
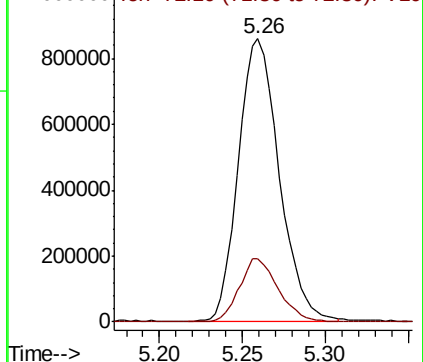
Lab File: VL034455.D

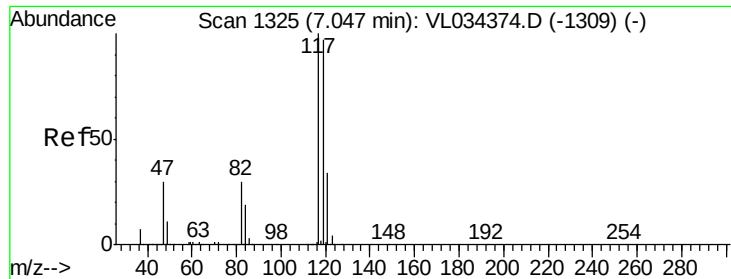
Acq: 3 Dec 2019 11:36

Tgt Ion:	43	Resp:	1467845
Ion	Ratio	Lower	Upper
43	100		
72	21.5	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: 10.127 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion:117 Resp: 1681459

Ion Ratio Lower Upper

117 100

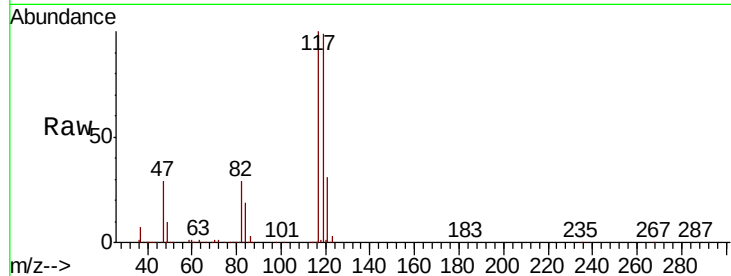
119 99.3 77.3 115.9

121 31.2 27.4 41.2

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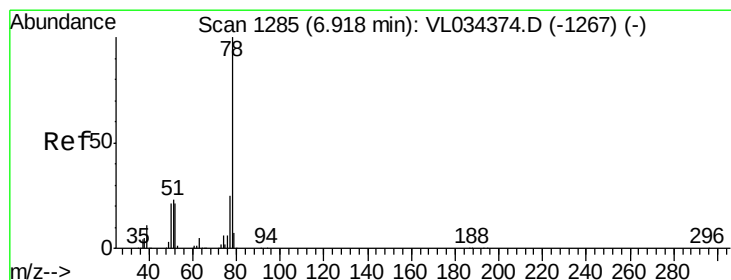
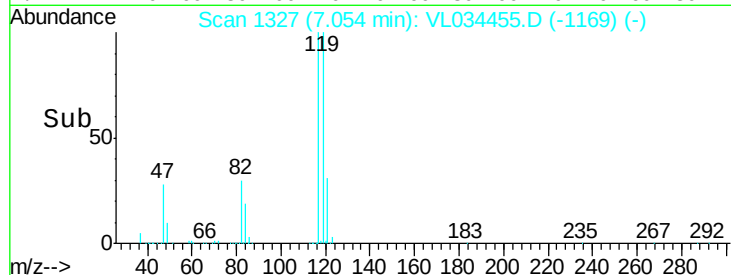
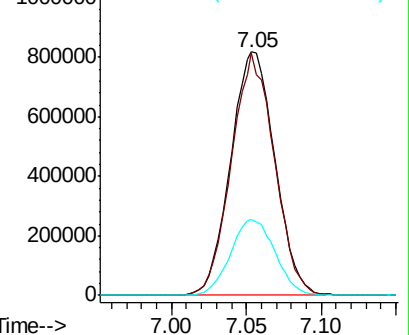
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.354 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

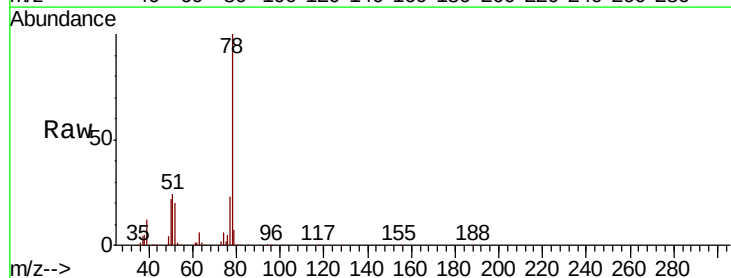
Tgt Ion: 78 Resp: 1805691

Ion Ratio Lower Upper

78 100

77 22.5 20.2 30.4

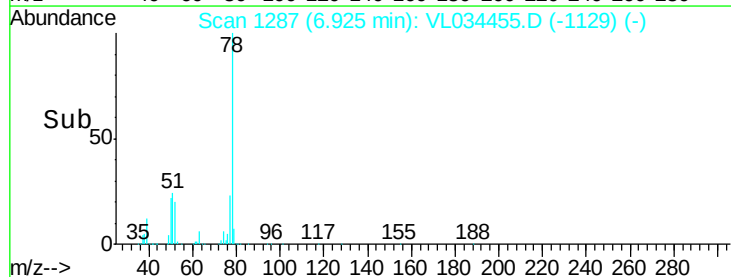
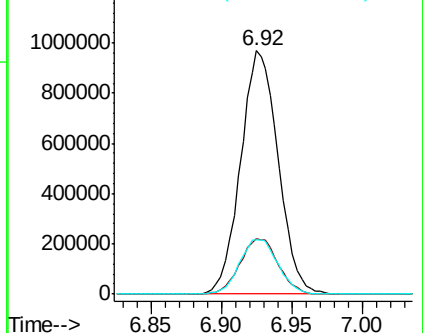
50 22.0 17.1 25.7

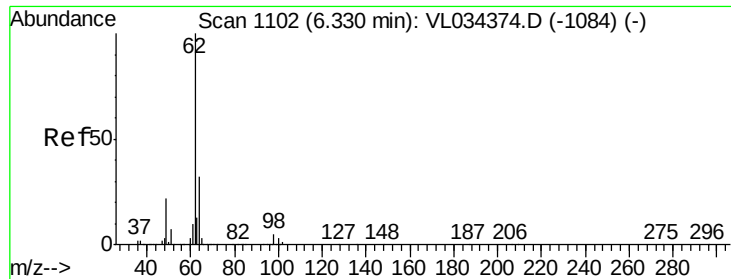


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





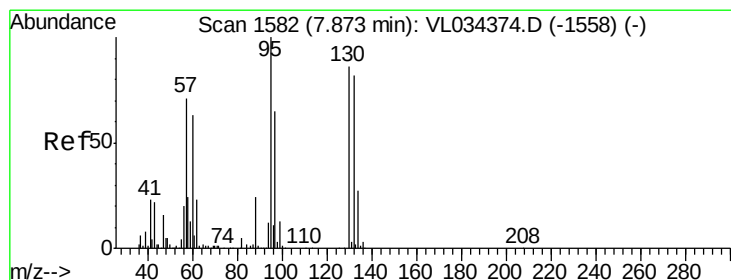
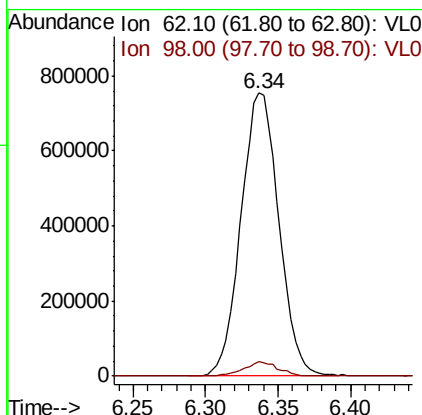
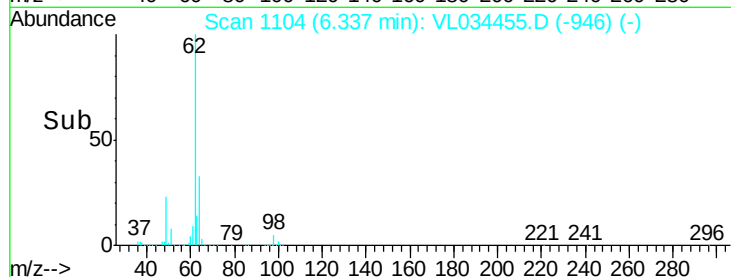
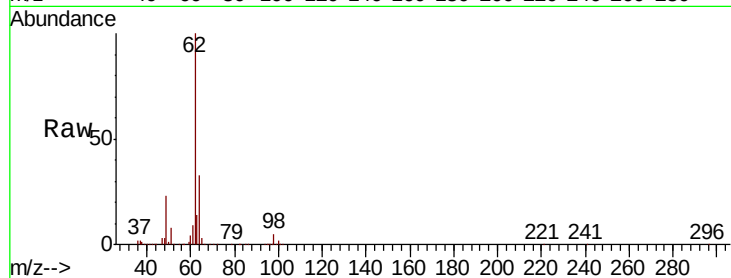
#37
 1,2-Dichloroethane
 Concen: 9.571 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion: 62 Resp: 1372536
 Ion Ratio Lower Upper
 62 100
 98 4.7 3.8 5.8

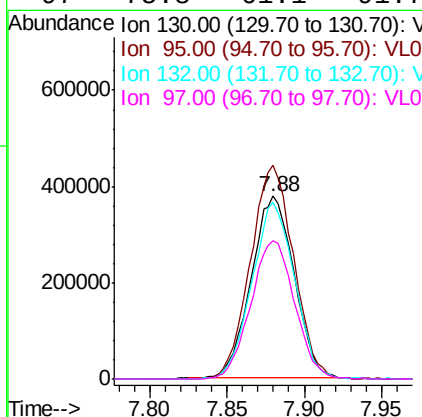
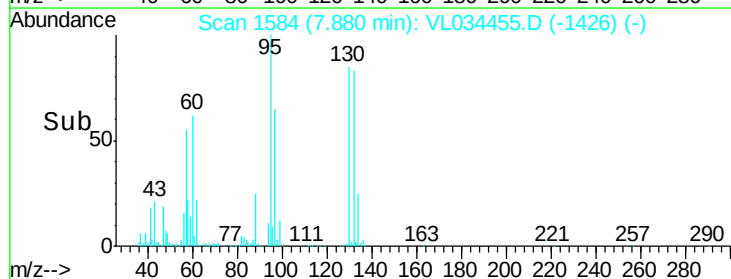
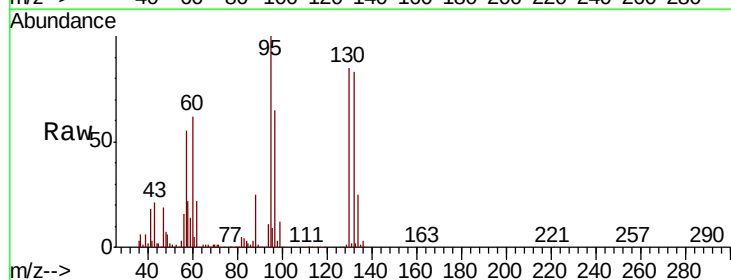
Manual Integrations
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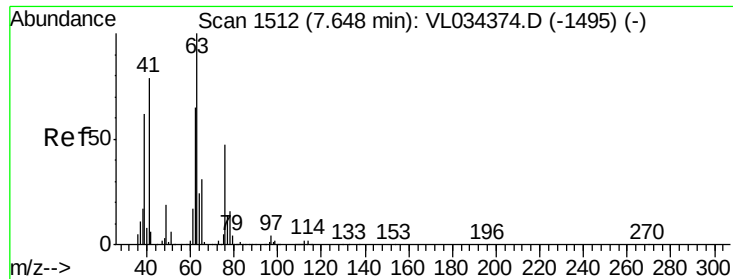
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#38
 Trichloroethene
 Concen: 9.223 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Tgt Ion: 130 Resp: 730629
 Ion Ratio Lower Upper
 130 100
 95 117.4 93.4 140.0
 132 97.3 76.4 114.6
 97 75.8 61.1 91.7





#39

1,2-Dichloropropane

Concen: 10.217 ppbv

RT: 7.65 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

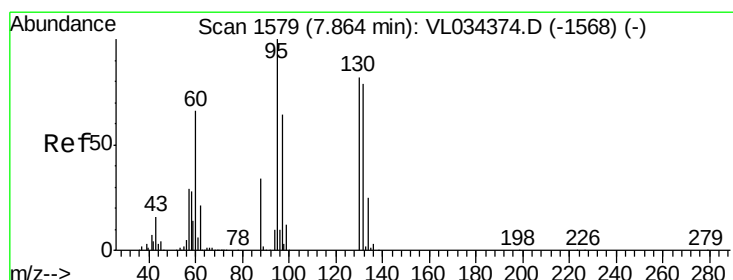
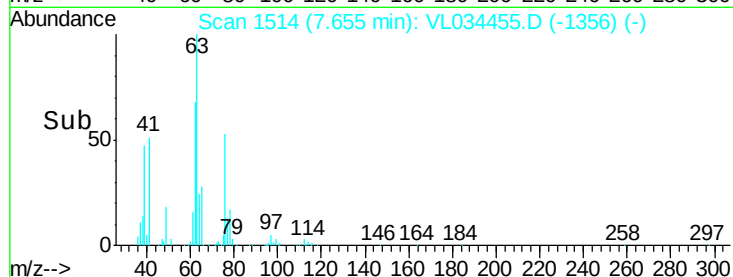
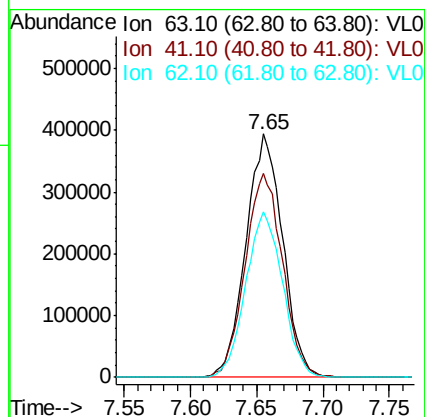
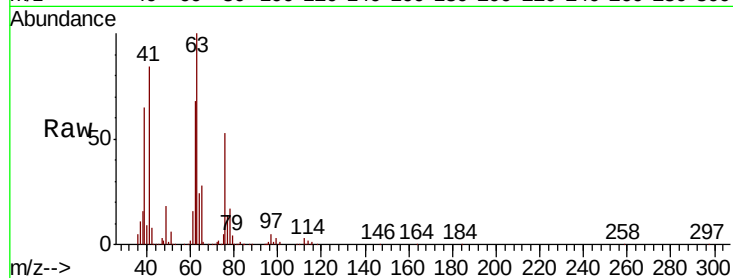
ClientSampleId :

VL1203ABS01

Tot Ion:	63	Resp:	759825
Ion Ratio	Lower	Upper	
63	100		
41	83.6	63.1	94.7
62	67.8	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.489 ppbv

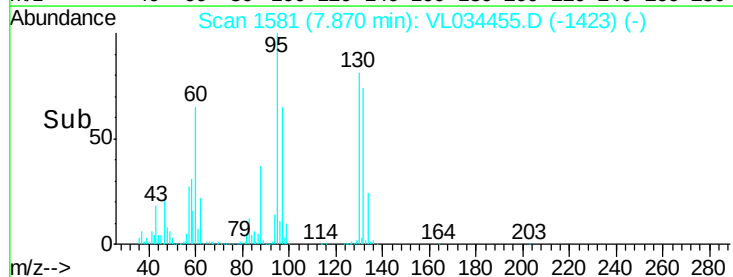
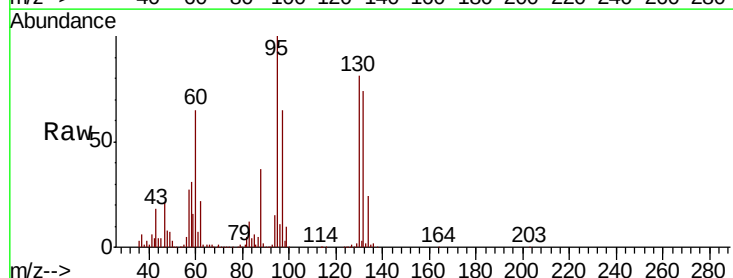
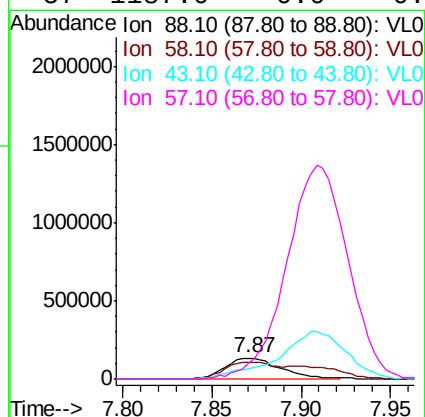
RT: 7.87 min Scan# 1581

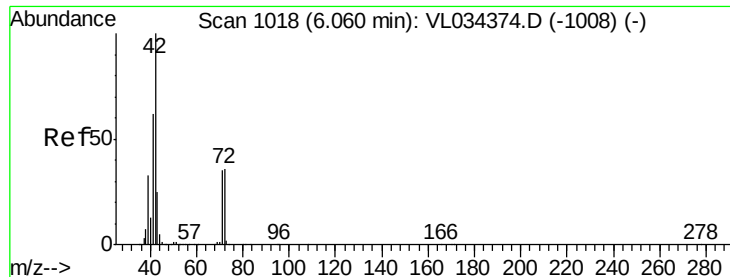
Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion:	88	Resp:	275782
Ion Ratio	Lower	Upper	
88	100		
58	142.7	109.5	164.3
43	292.0	0.0	0.0#
57	1187.0	0.0	0.0#





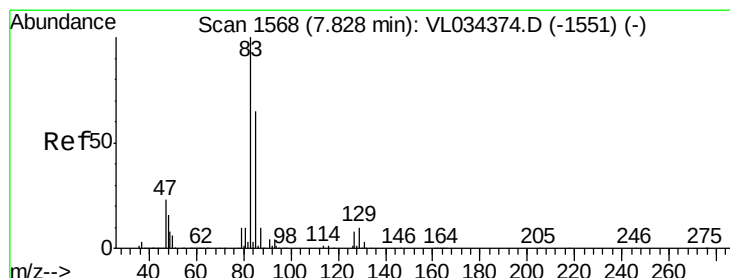
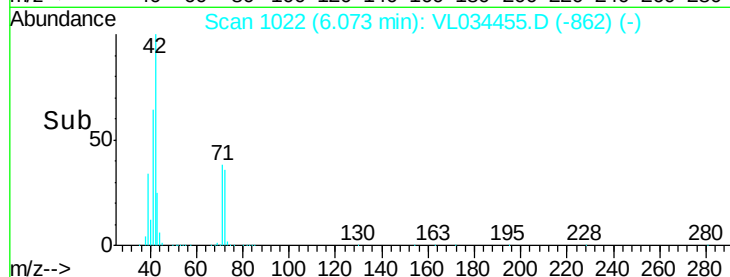
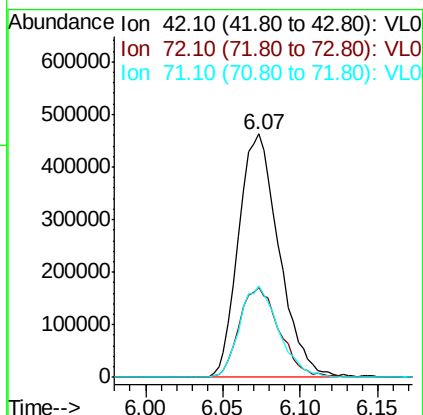
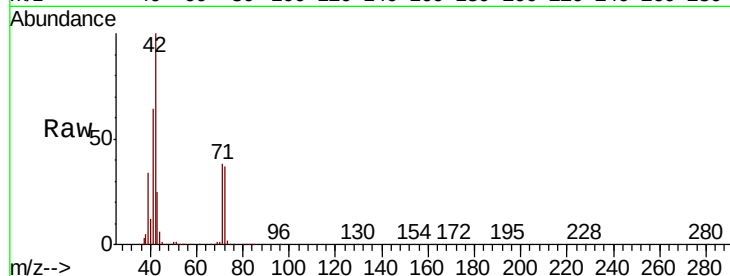
#41
Tetrahydrofuran
Concen: 9.439 ppbv
RT: 6.07 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.8	30.2	45.4
71	36.4	29.4	44.2

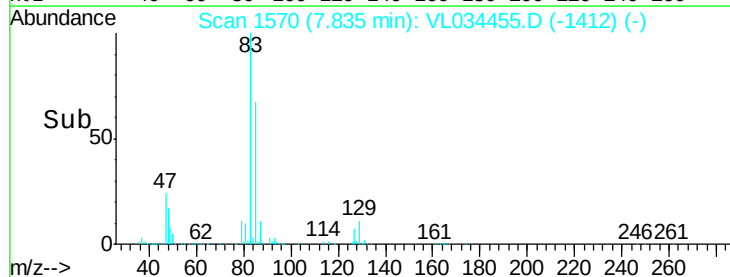
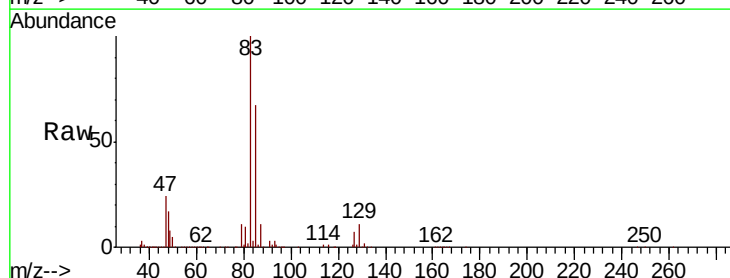
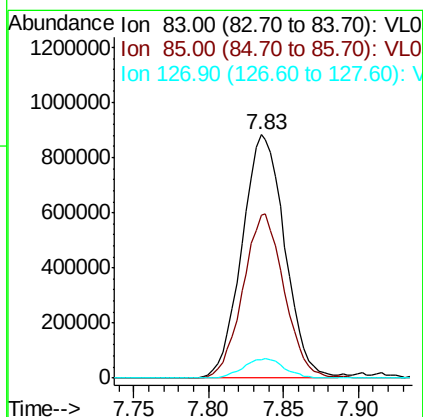
Manual Integrations
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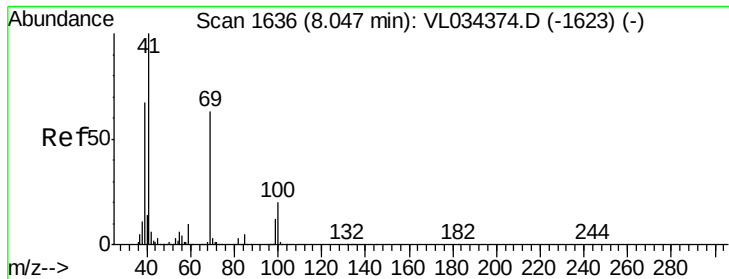
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#42
Bromodichloromethane
Concen: 9.790 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.3	78.5
127	7.3	6.1	9.1





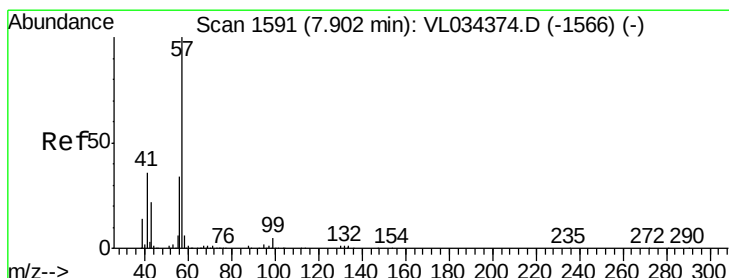
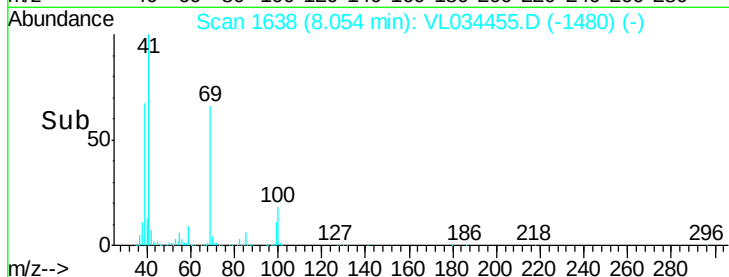
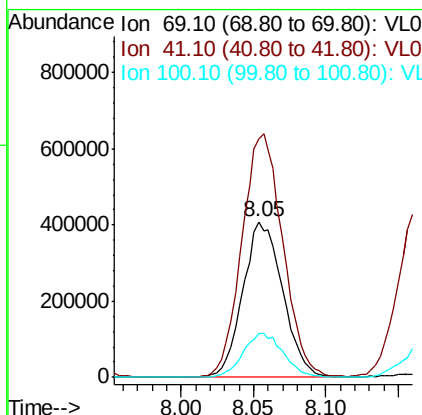
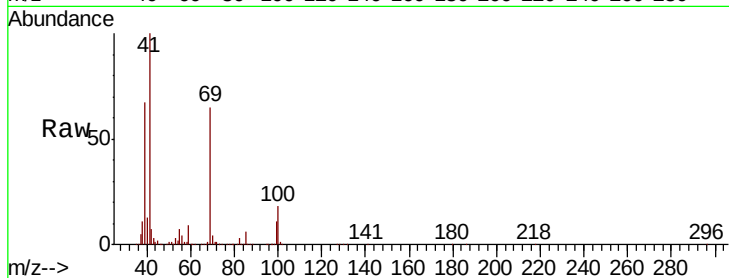
#43
Methyl Methacrylate
Concen: 9.757 ppbv
RT: 8.05 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	160.3	127.4	191.2	
100	28.5	24.2	36.4	

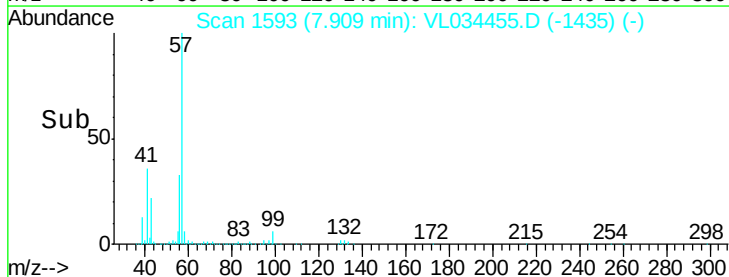
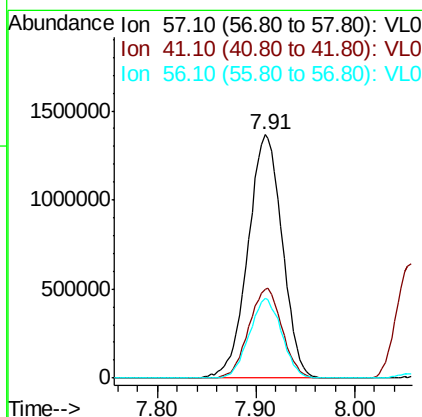
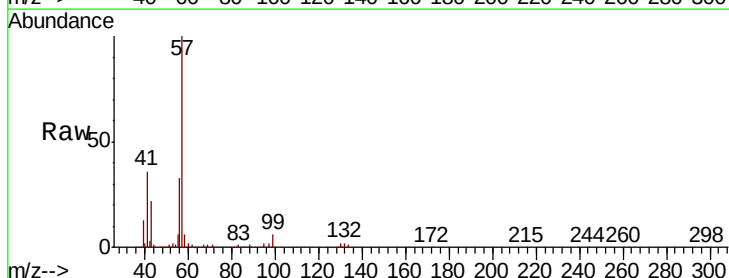
Manual Integrations
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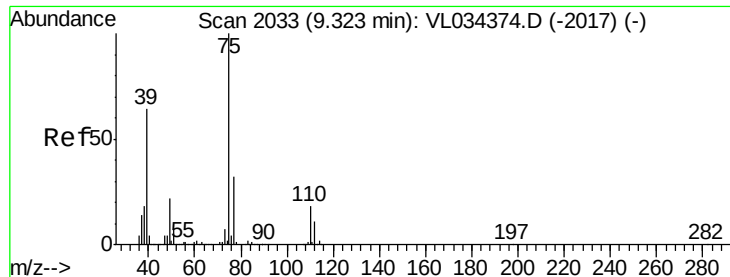
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#44
2,2,4-Trimethylpentane
Concen: 9.270 ppbv
RT: 7.91 min Scan# 1593
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.8	28.6	42.8	
56	31.0	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 10.879 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tot Ion: 75 Resp: 1117056

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

Instrument :

MSVOA_L

ClientSampleId :

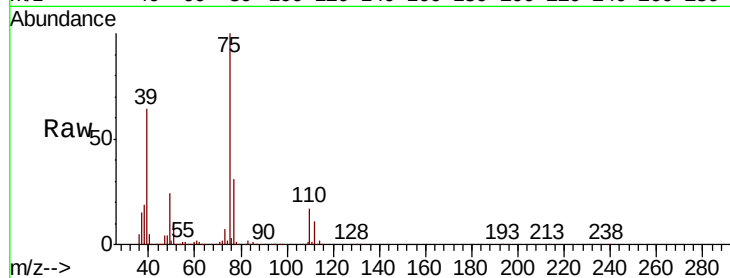
VL1203ABS01

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.33

600000

500000

400000

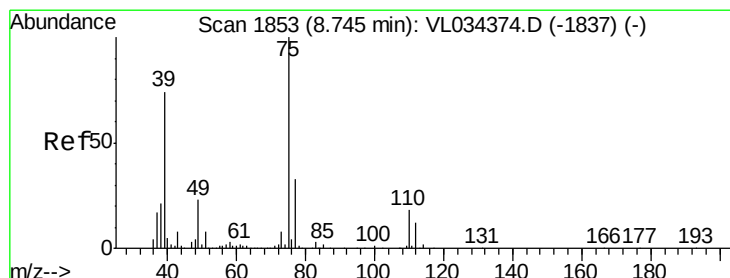
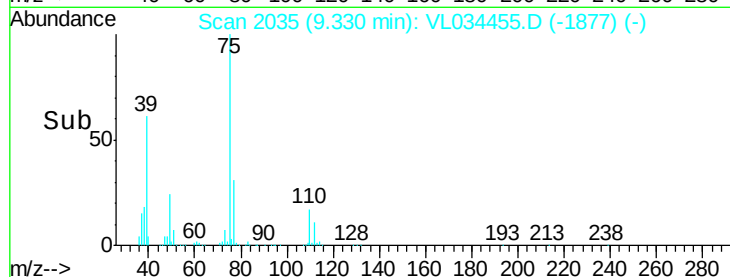
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.481 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

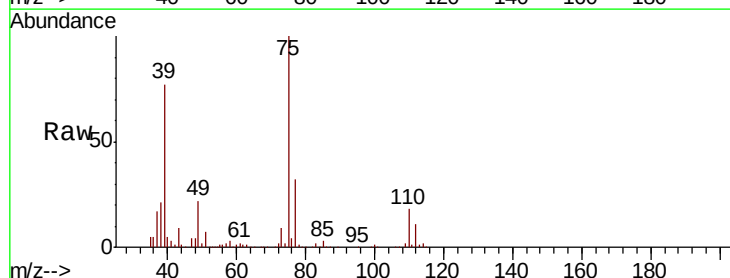
Tgt Ion: 75 Resp: 1208817

Ion Ratio Lower Upper

75 100

39 76.7 59.0 88.6

77 31.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

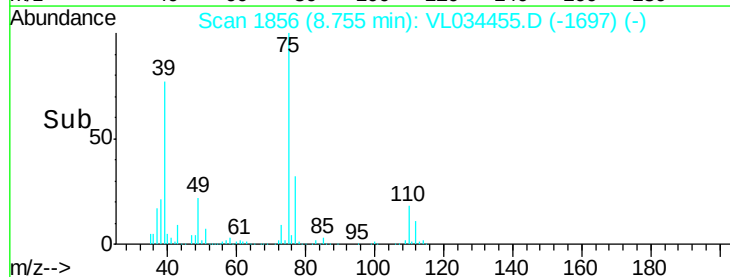
600000

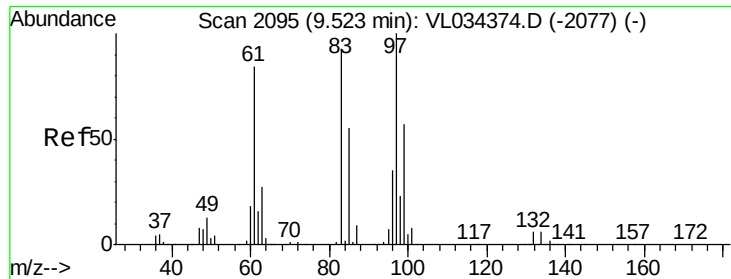
400000

200000

0

Time-->





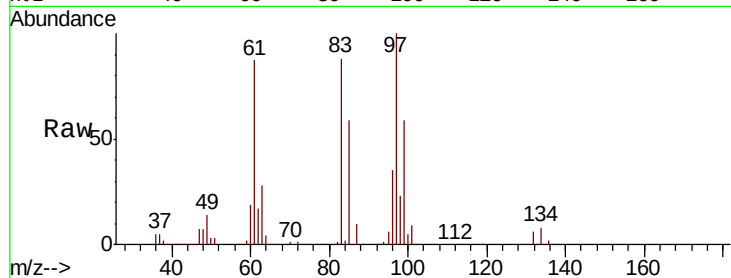
#47
 1,1,2-Trichloroethane
 Concen: 9.483 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		784514		
83	87.6	74.6	112.0		
85	58.6	43.8	65.8		
99	59.3	45.6	68.4		

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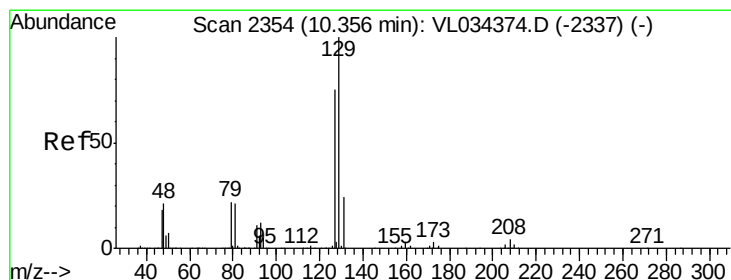
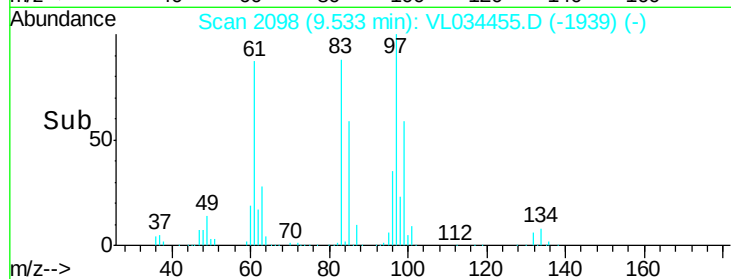
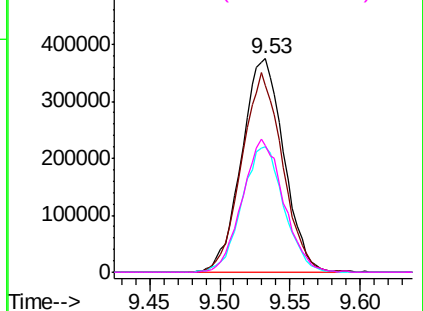
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

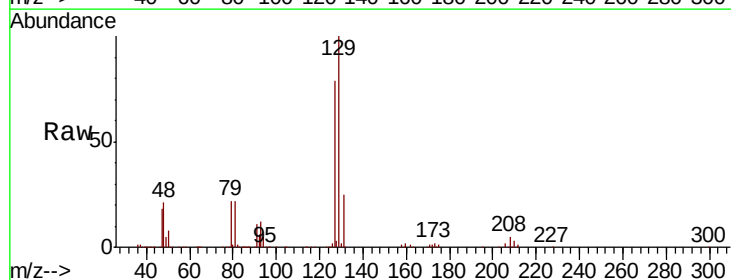
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.257 ppbv
 RT: 10.37 min Scan# 2357
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

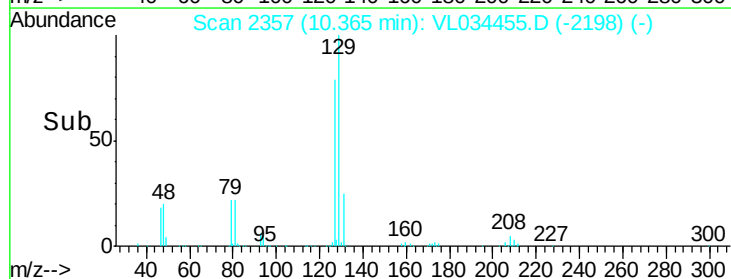
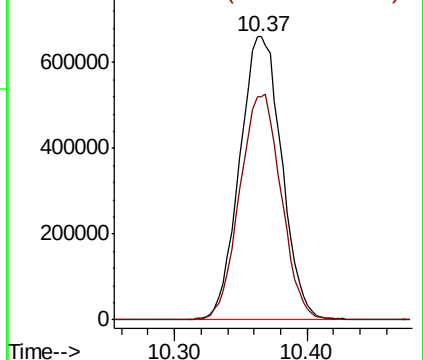
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1456885		
127	78.8	39.1	117.5		

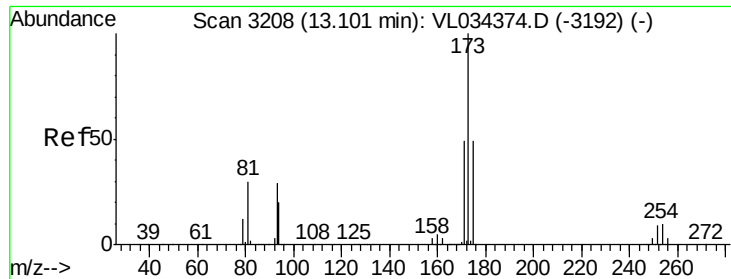


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.409 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion:173 Resp: 1319846

Ion Ratio Lower Upper

173 100

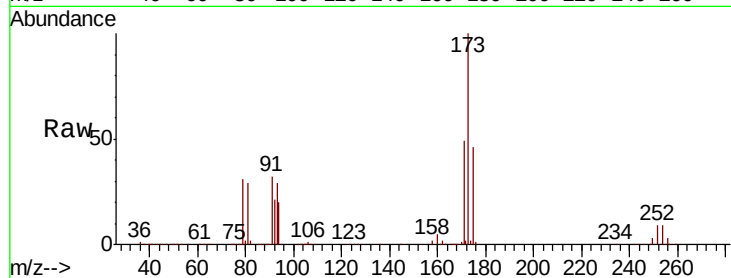
175 49.7 39.3 58.9

171 52.3 42.4 63.6

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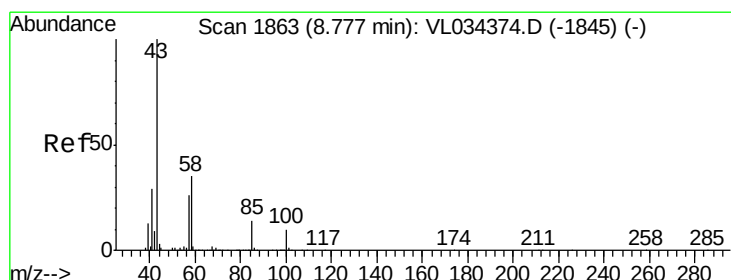
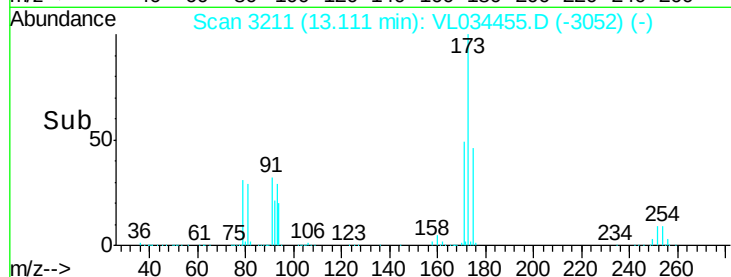
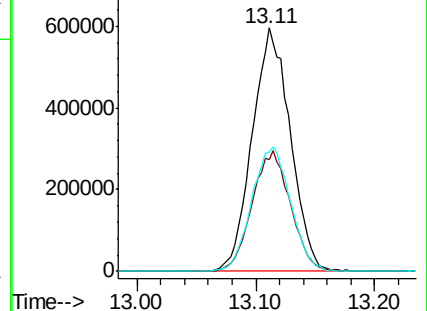
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.455 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.01 min

Lab File: VL034455.D

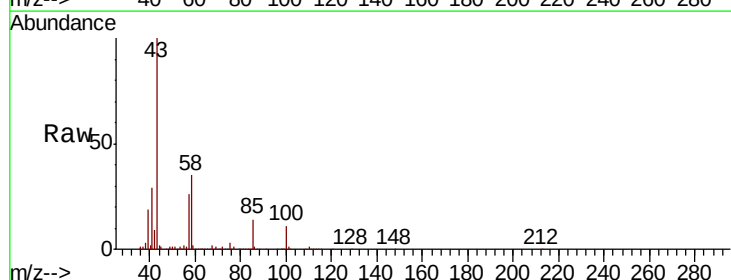
Acq: 3 Dec 2019 11:36

Tgt Ion: 43 Resp: 2174501

Ion Ratio Lower Upper

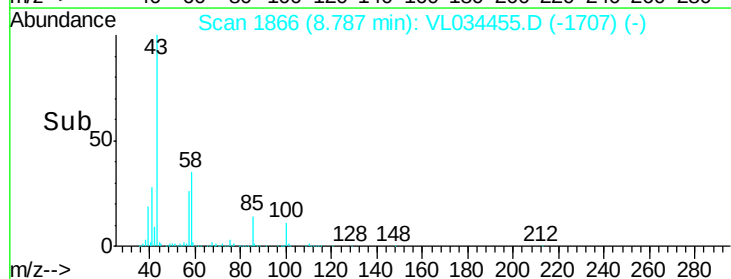
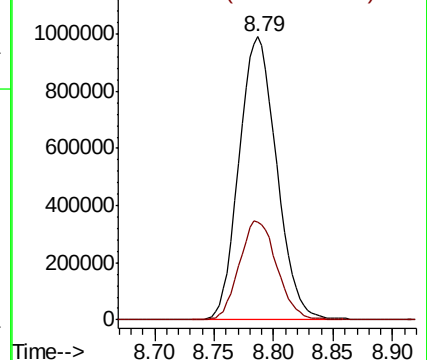
43 100

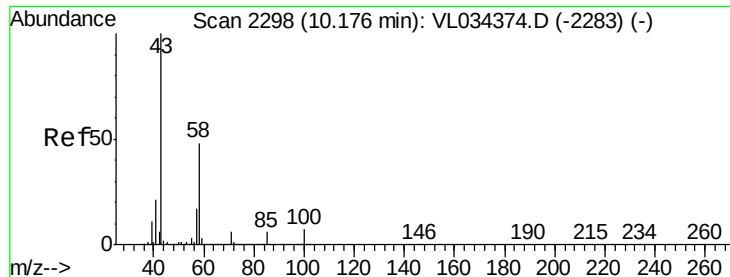
58 34.9 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





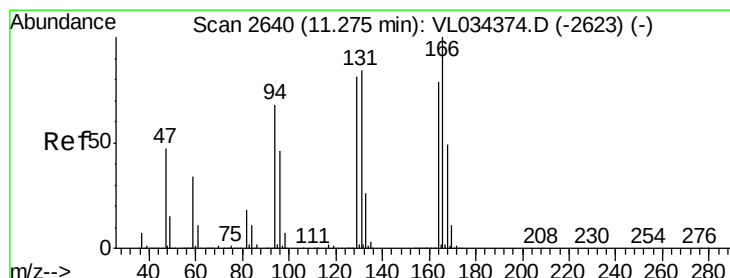
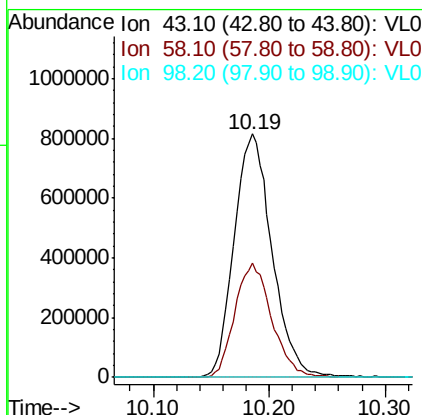
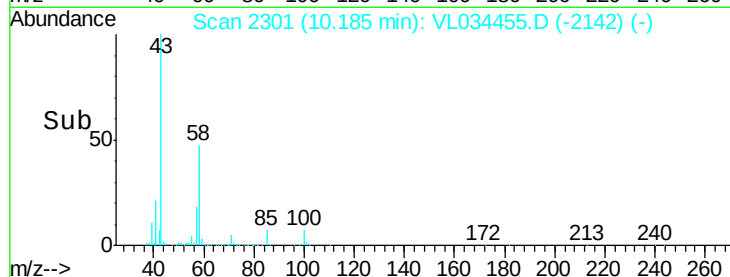
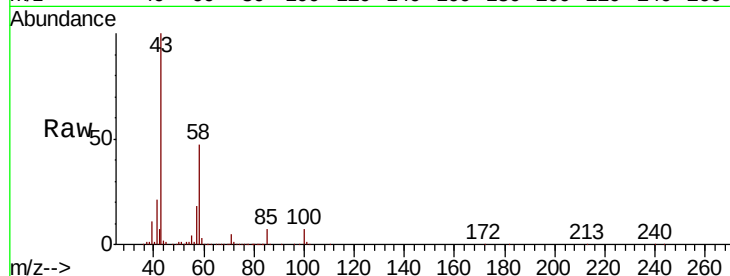
#51
2-Hexanone
Concen: 9.551 ppbv
RT: 10.19 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion: 43 Resp: 1839907
Ion Ratio Lower Upper
43 100
58 45.9 38.2 57.4
98 0.2 0.2 0.2

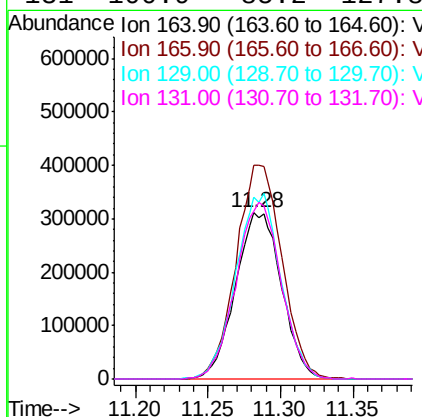
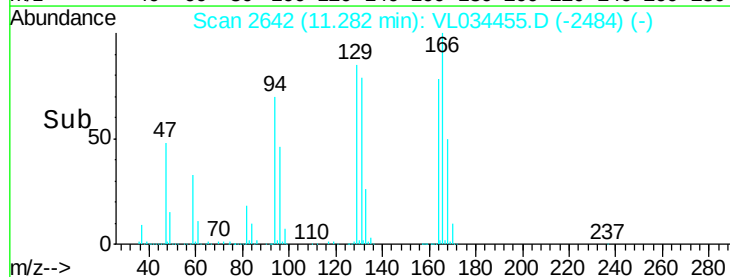
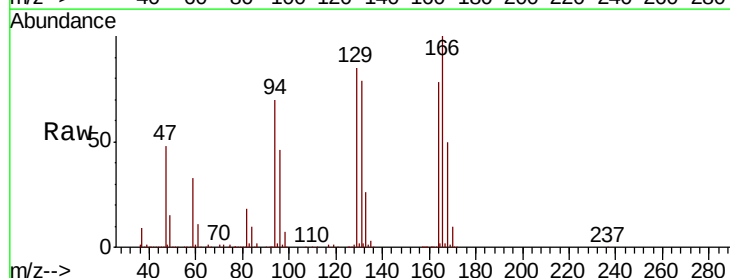
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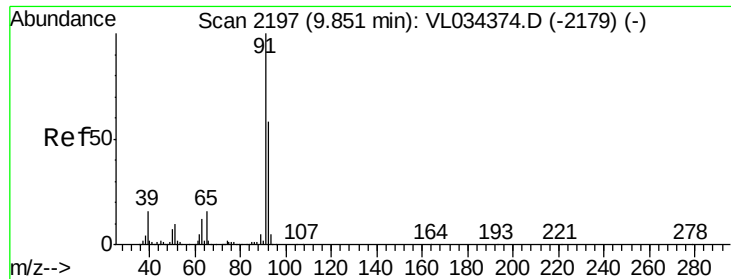
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#52
Tetrachloroethene
Concen: 8.213 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion: 164 Resp: 685940
Ion Ratio Lower Upper
164 100
166 128.0 101.7 152.5
129 108.9 82.6 123.8
131 100.9 85.2 127.8





#53

Toluene

Concen: 9.546 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 91 Resp: 2093154

Ion Ratio Lower Upper

91 100

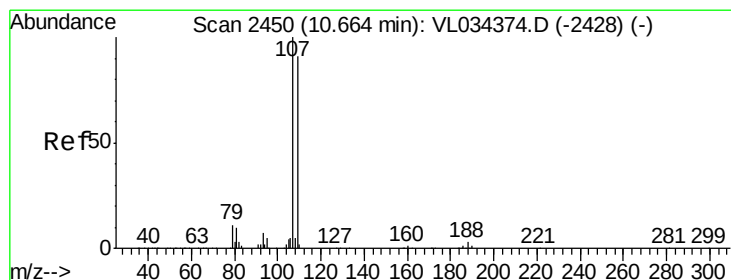
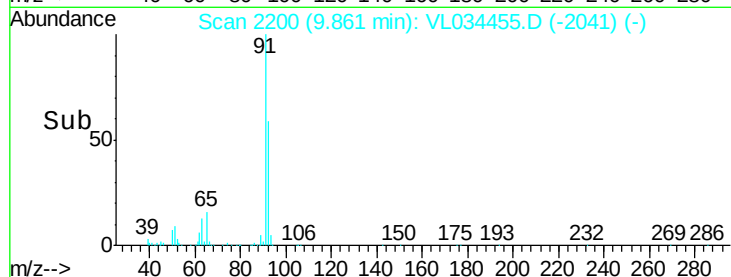
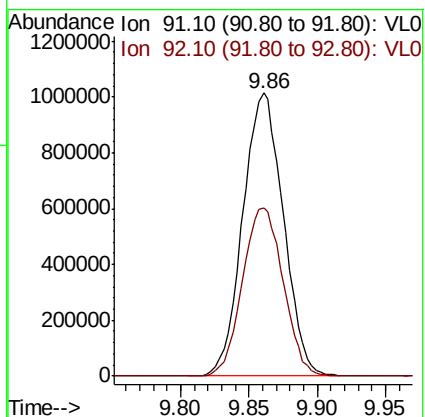
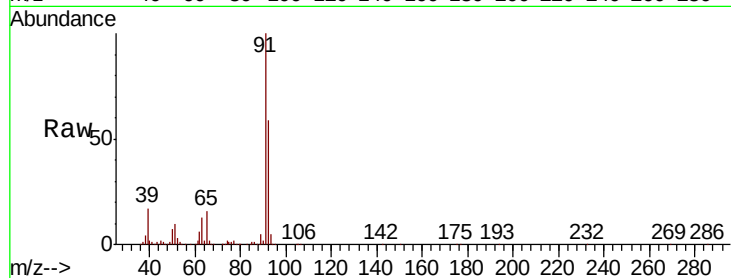
92 60.0 47.9 71.9

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#54

1,2-Dibromoethane

Concen: 9.297 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. 0.00 min

Lab File: VL034455.D

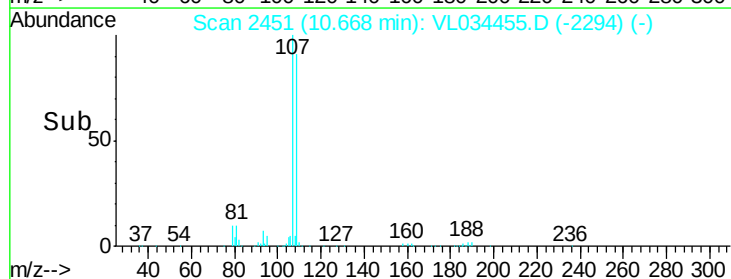
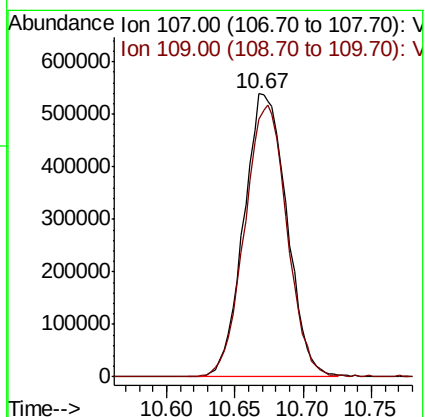
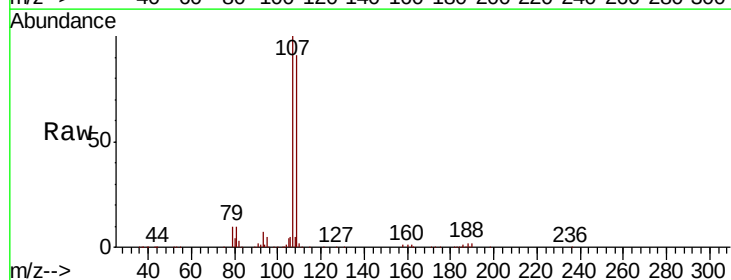
Acq: 3 Dec 2019 11:36

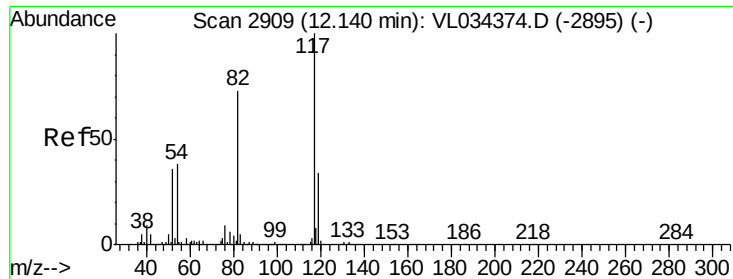
Tgt Ion: 107 Resp: 1179137

Ion Ratio Lower Upper

107 100

109 91.2 73.0 109.4





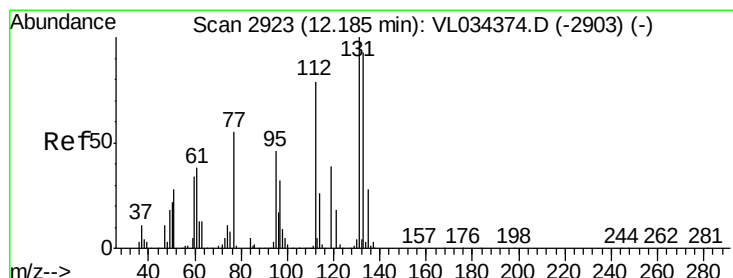
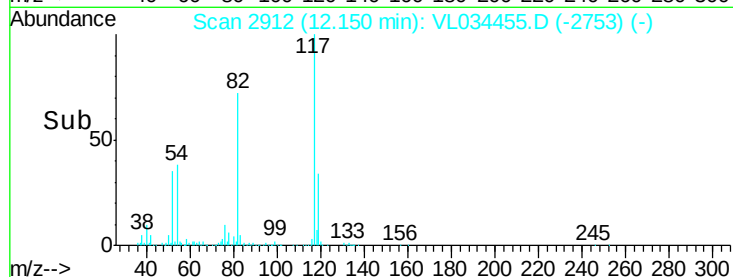
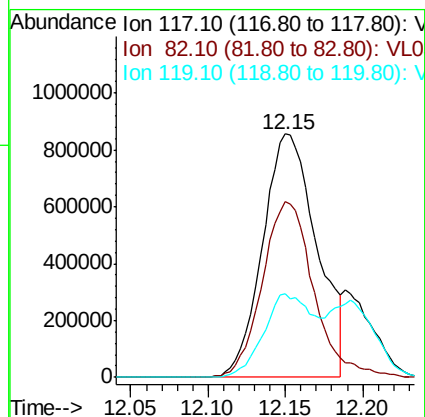
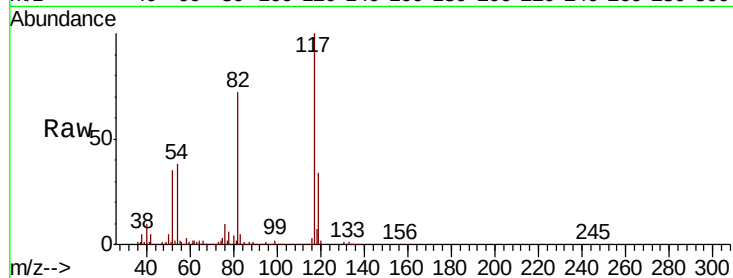
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.8	57.5	86.3
119	33.0	25.4	38.2

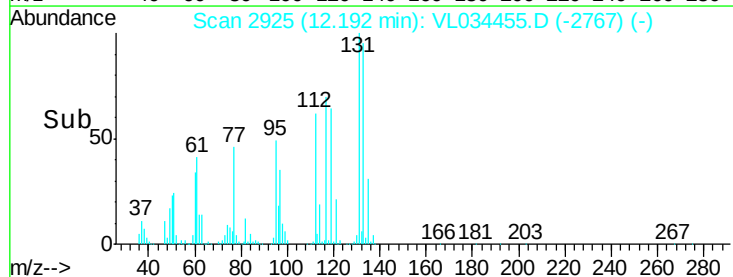
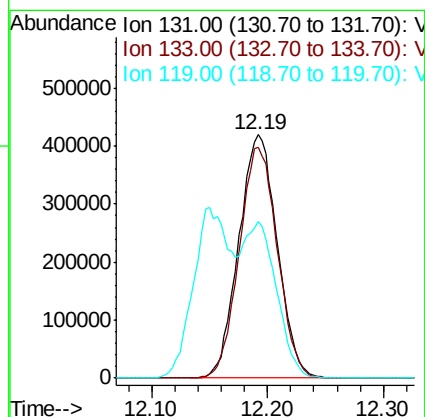
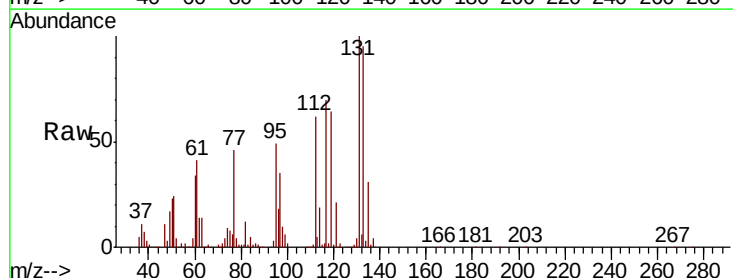
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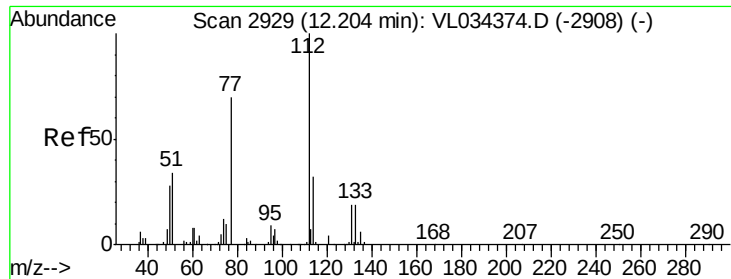
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.435 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.2	76.2	114.2
119	54.2	44.6	67.0





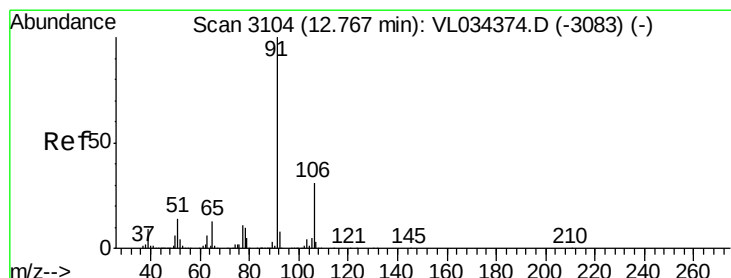
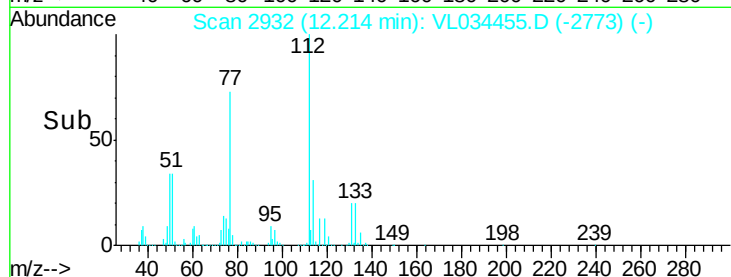
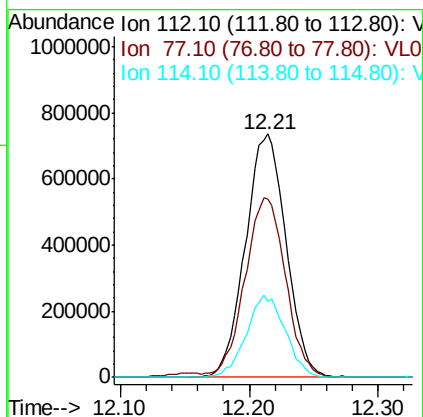
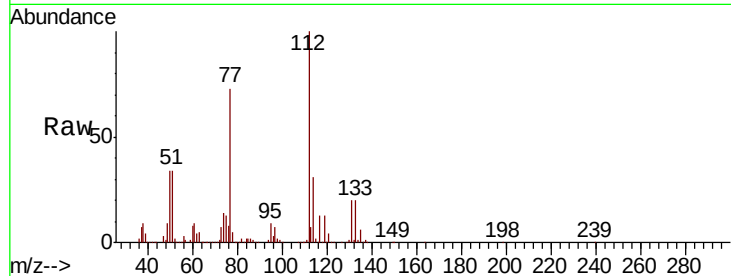
#57
Chlorobenzene
Concen: 8.560 ppbv
RT: 12.21 min Scan# 2932
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	72.8	57.1	85.7
114	31.0	28.5	34.9

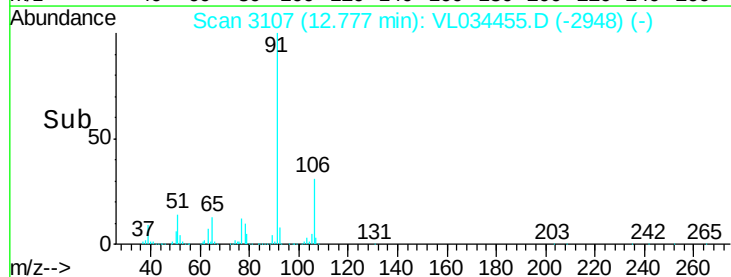
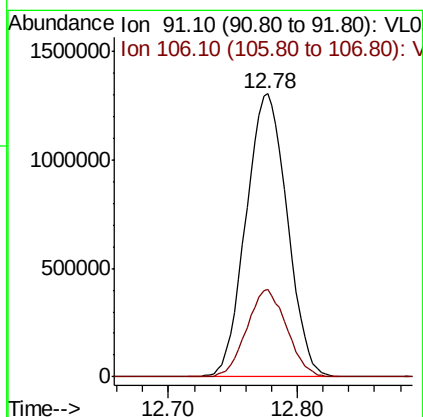
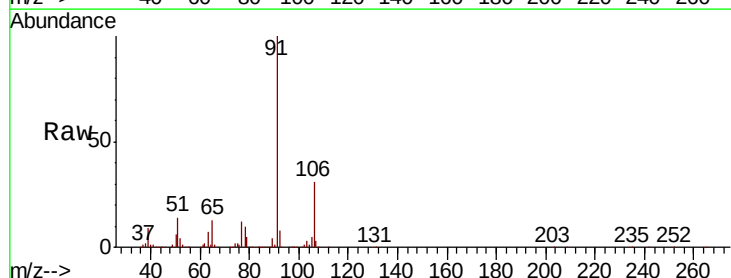
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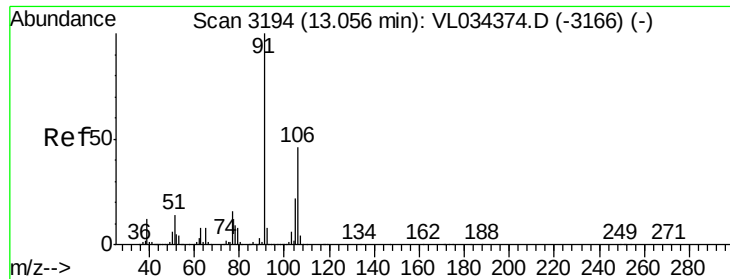
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#58
Ethyl Benzene
Concen: 8.978 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.8	37.2





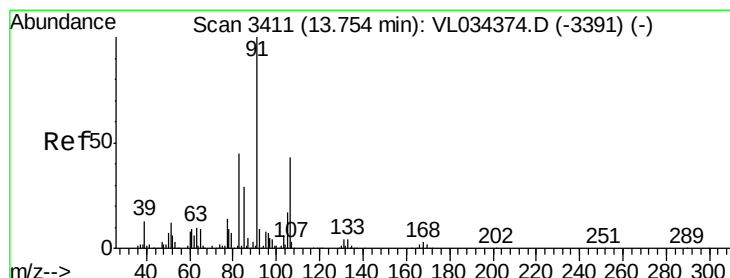
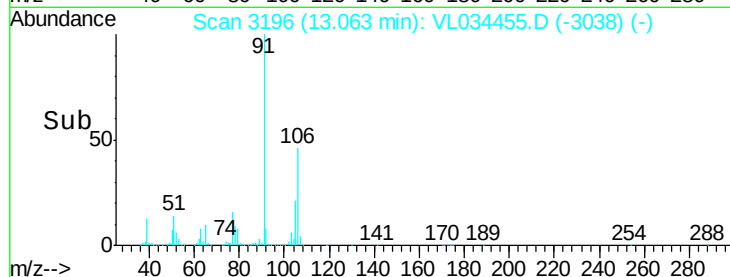
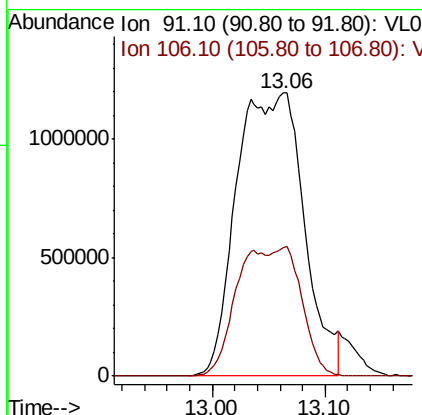
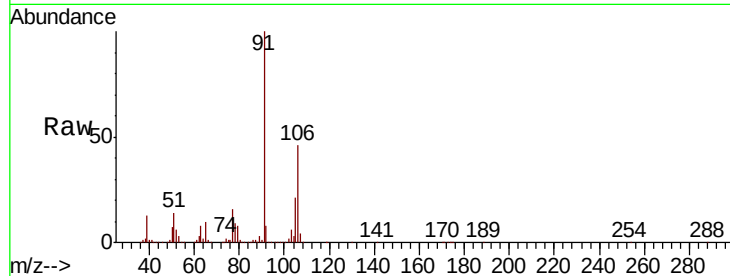
#59
m/p-Xylene
Concen: 17.593 ppbv m
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampled :
VL1203ABS01

Tot Ion: 91 Resp: 4933913
Ion Ratio Lower Upper
91 100
106 43.4 34.6 51.8

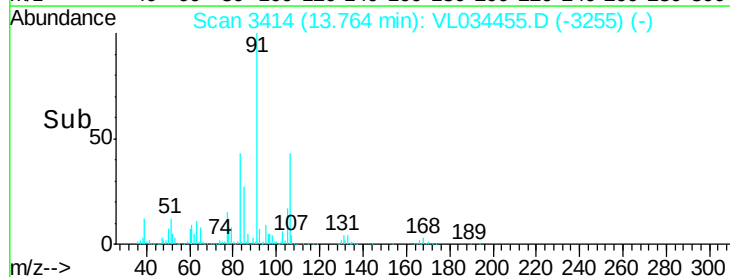
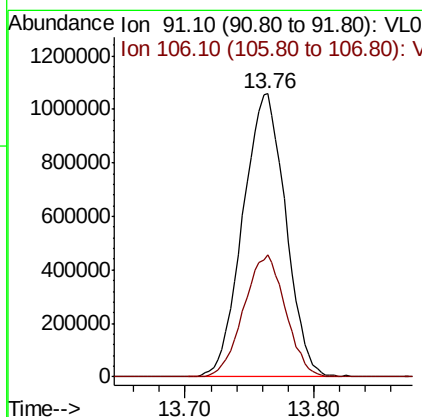
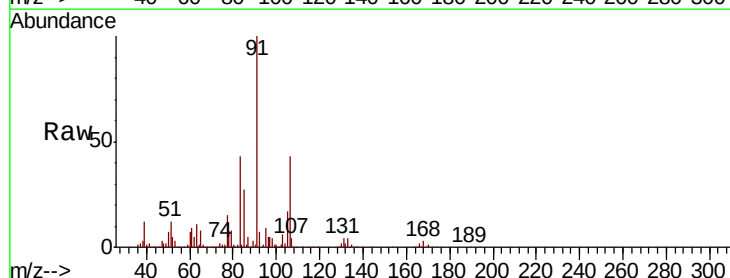
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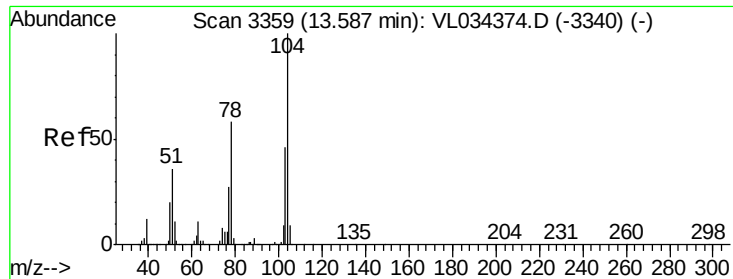
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12/3/2019 5:04:00 PM



#60
o-Xylene
Concen: 8.799 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion: 91 Resp: 2439905
Ion Ratio Lower Upper
91 100
106 42.2 21.3 64.0





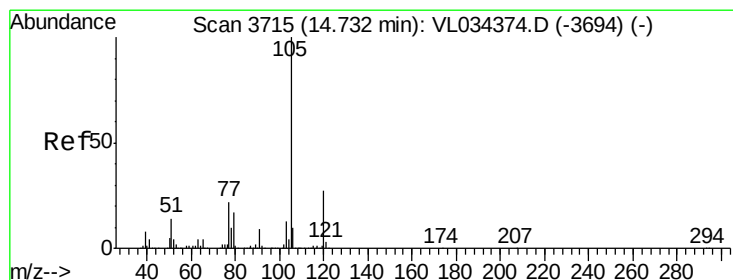
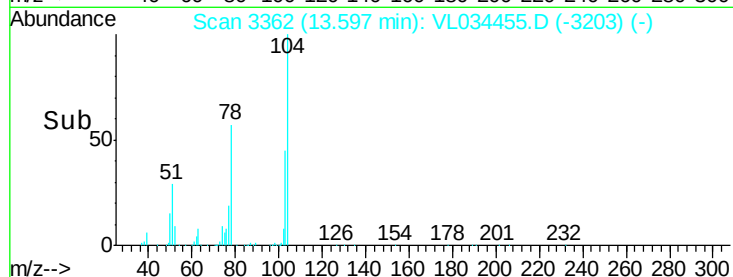
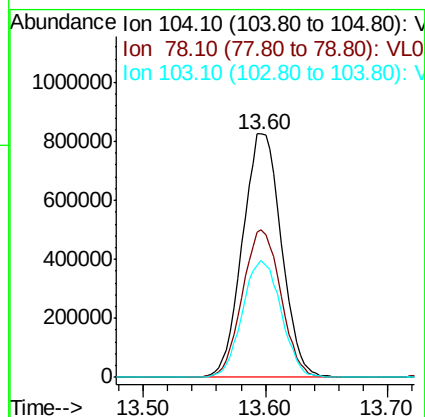
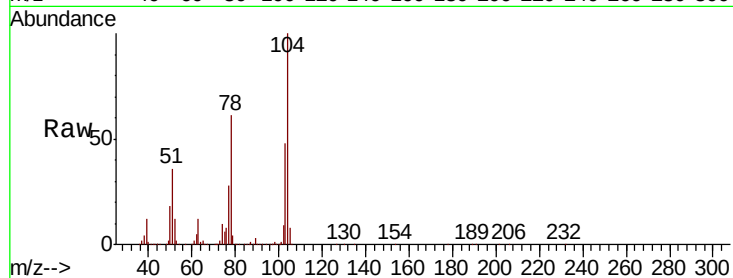
#61
Stvrene
Concen: 9.080 ppbv
RT: 13.60 min Scan# 3362
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.1	47.6	71.4
103	47.9	38.6	57.8

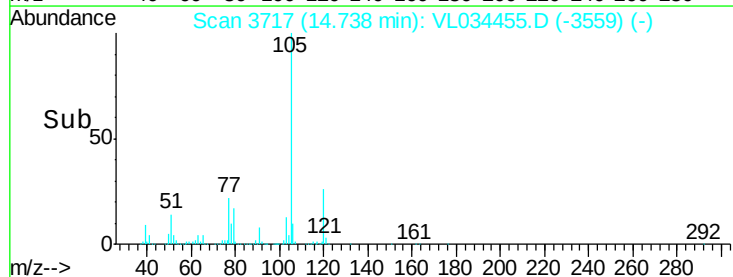
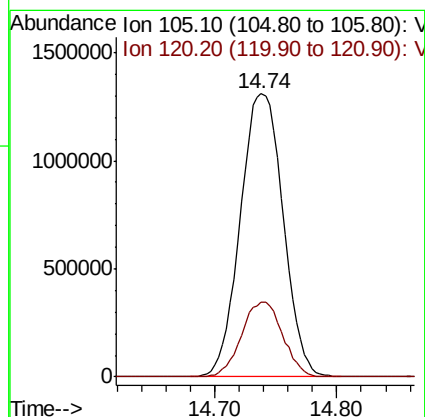
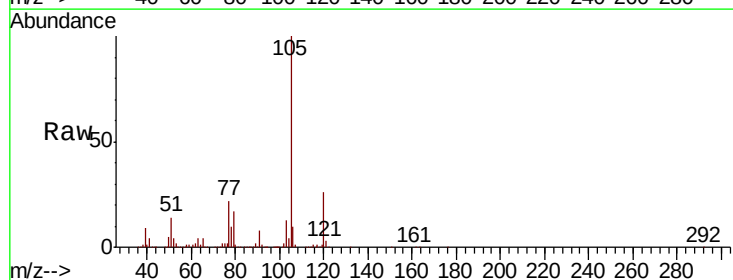
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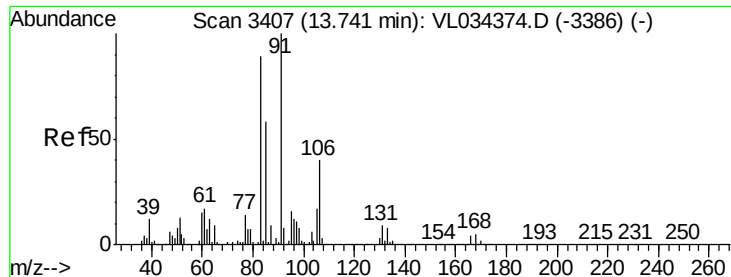
apatel
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#62
Isopropylbenzene
Concen: 8.669 ppbv
RT: 14.74 min Scan# 3717
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.4





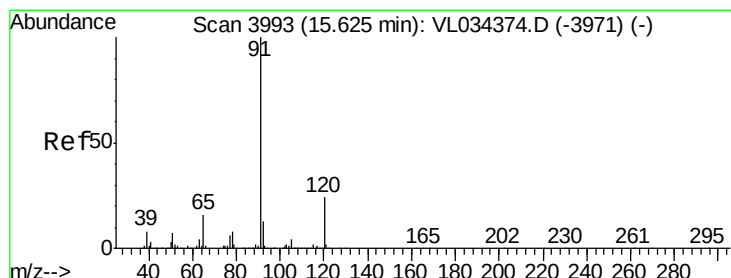
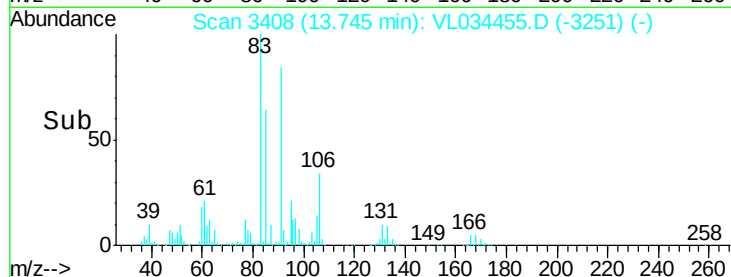
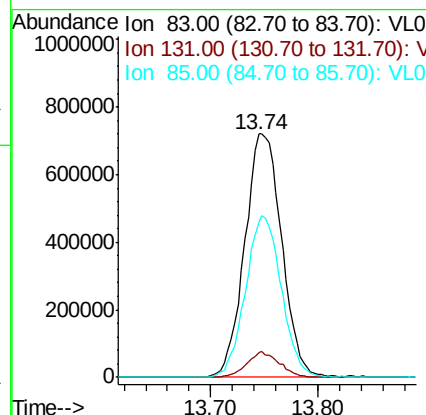
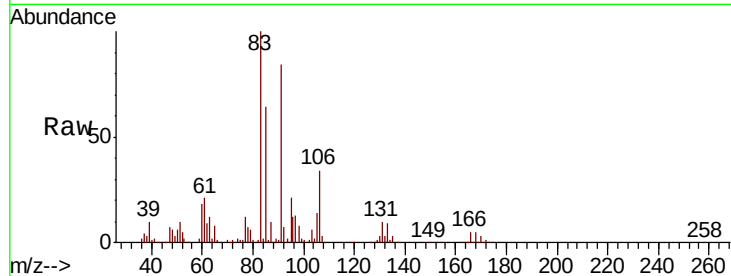
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.231 ppbv
 RT: 13.74 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion	83	Resp	1715648
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.6	32.6	97.8

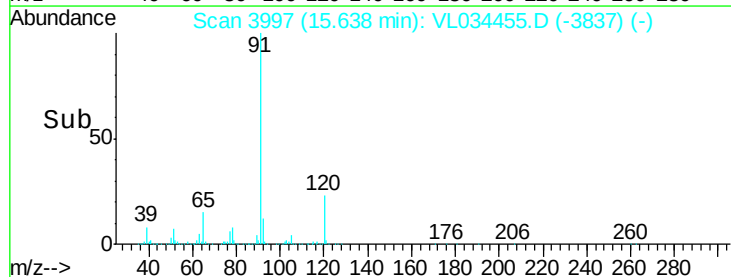
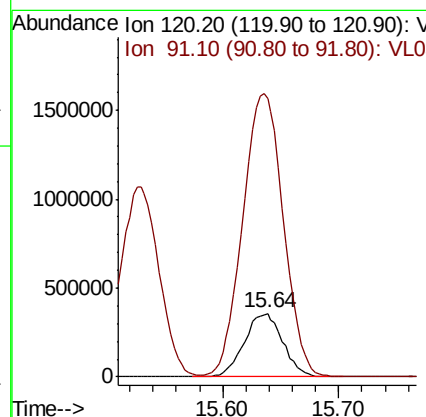
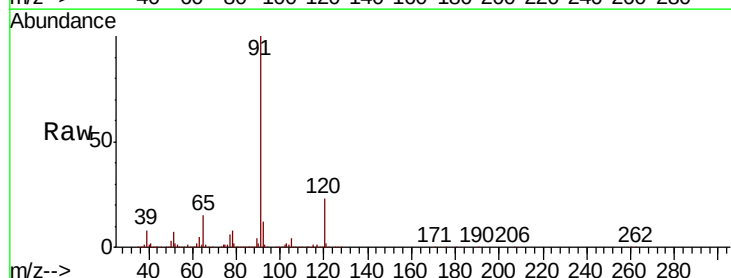
Manual Integrations
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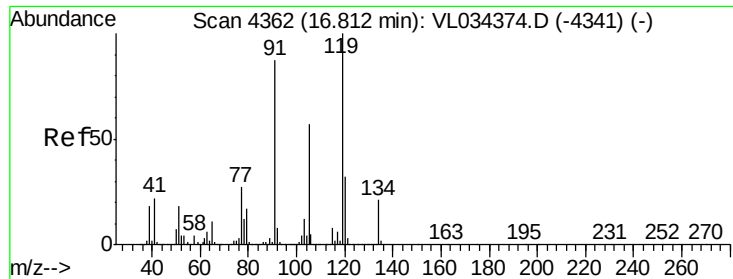
apatel
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#64
 n-propylbenzene
 Concen: 8.639 ppbv
 RT: 15.64 min Scan# 3997
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Tgt Ion	120	Resp	822745
Ion Ratio	Lower	Upper	
120	100		
91	473.8	370.9	556.3





#65

tert-Butylbenzene

Concen: 8.645 ppbv

RT: 16.82 min Scan# 4365

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

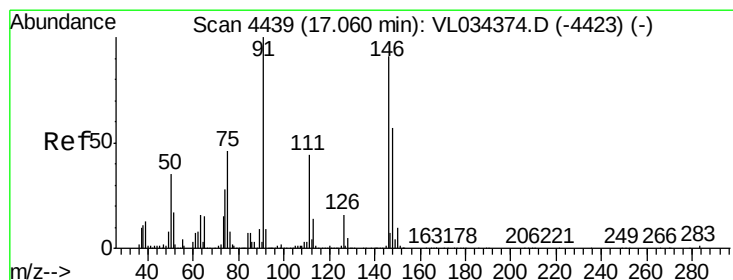
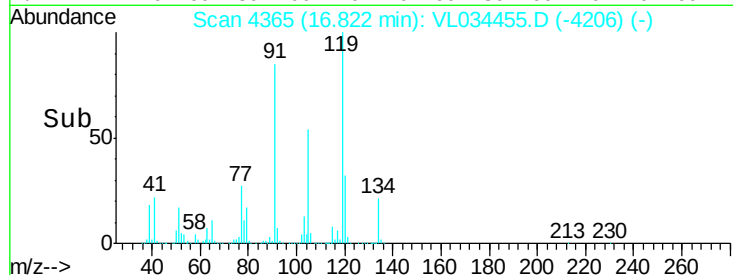
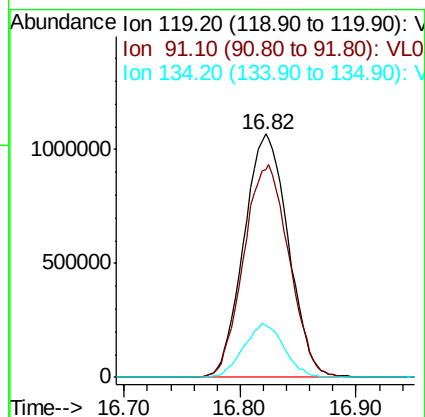
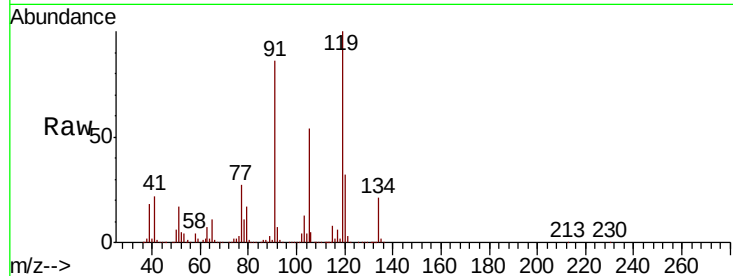
ClientSampleId :

VL1203ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	89.5	71.6	107.4
134	19.9	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 11.483 ppbv

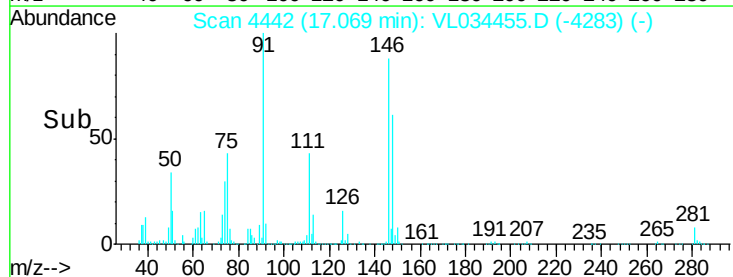
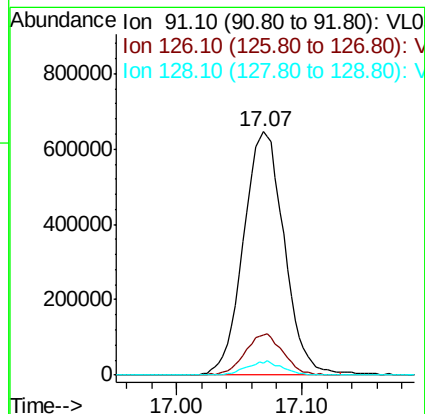
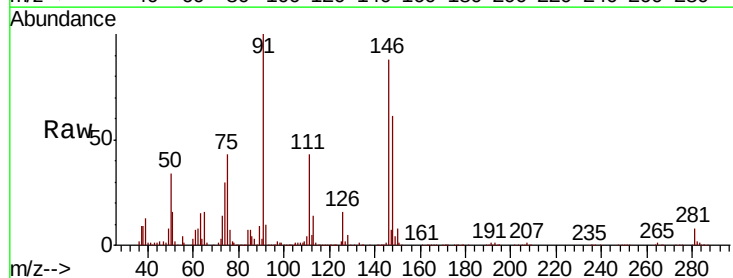
RT: 17.07 min Scan# 4442

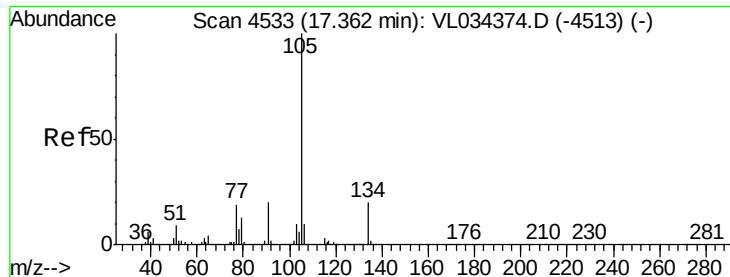
Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.1	12.9	19.3
128	5.1	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.577 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 105 Resp: 3952234

Ion Ratio Lower Upper

105 100

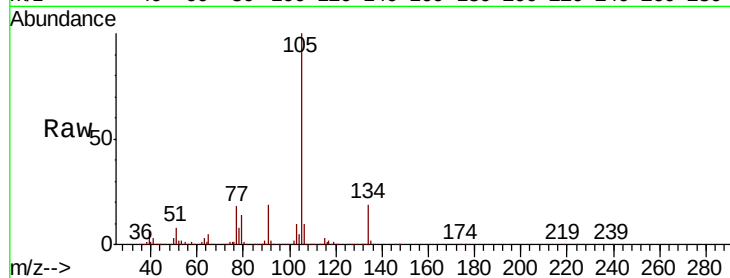
134 18.4 15.0 22.6

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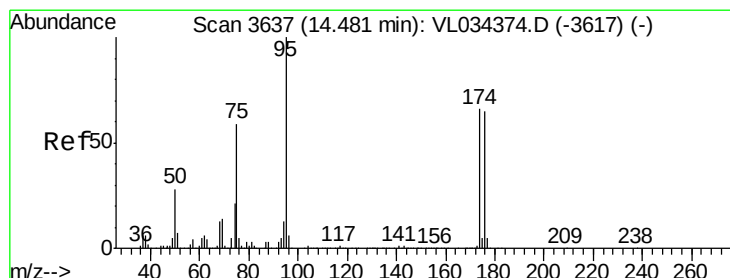
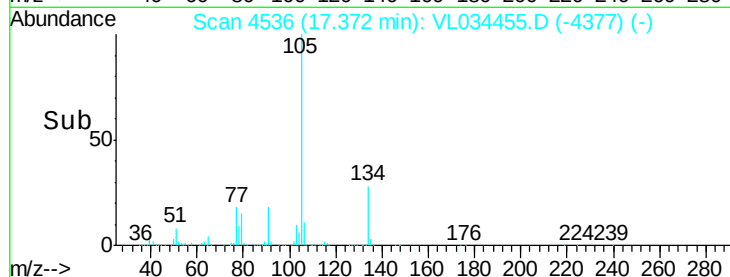
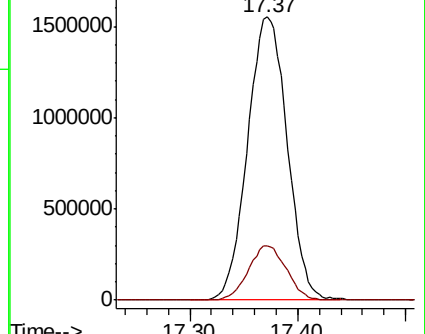
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.698 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

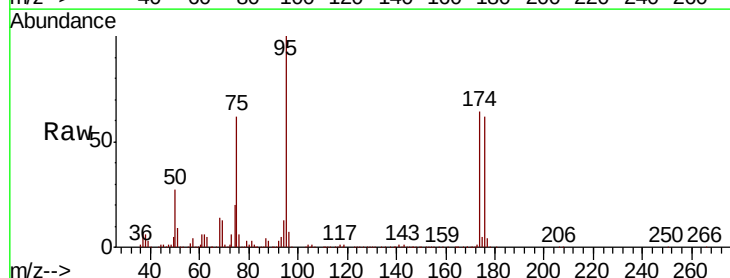
Tgt Ion: 95 Resp: 1705782

Ion Ratio Lower Upper

95 100

174 64.4 52.2 78.2

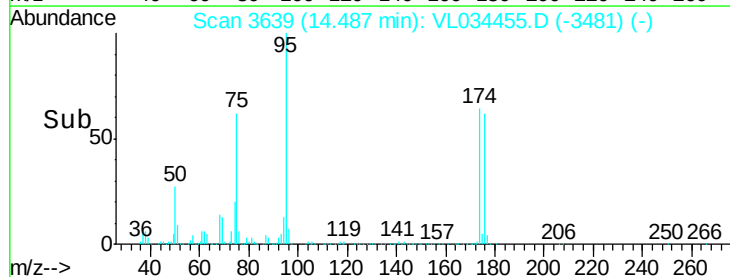
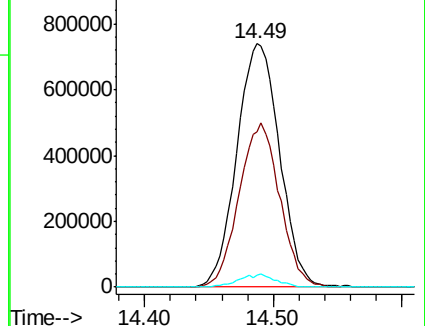
175 4.7 3.8 5.8

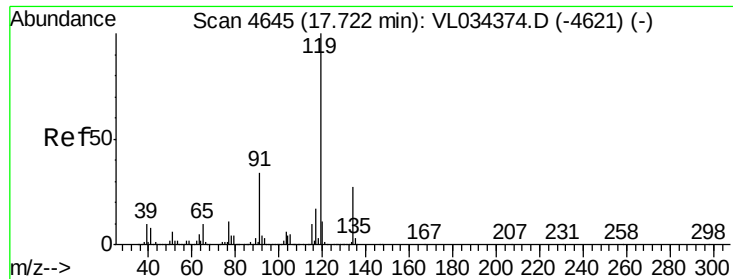


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





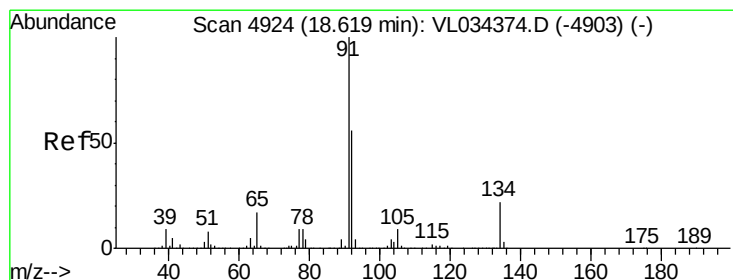
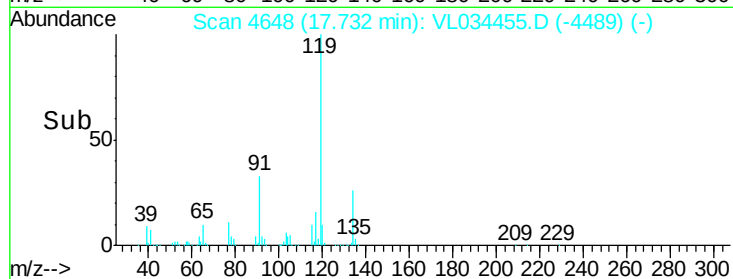
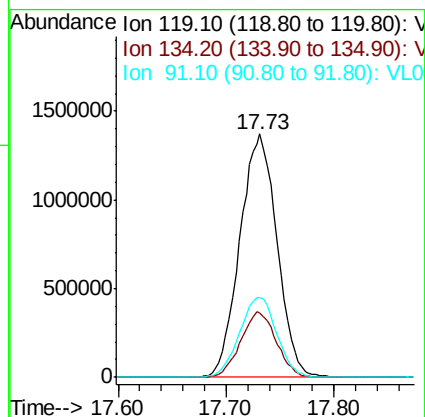
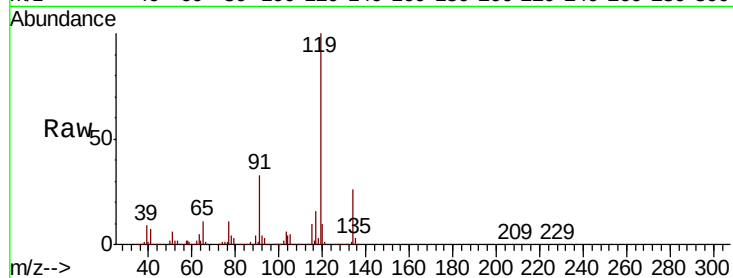
#69
 p-Isopropyltoluene
 Concen: 8.578 ppbv
 RT: 17.73 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	33.1	26.3	39.5

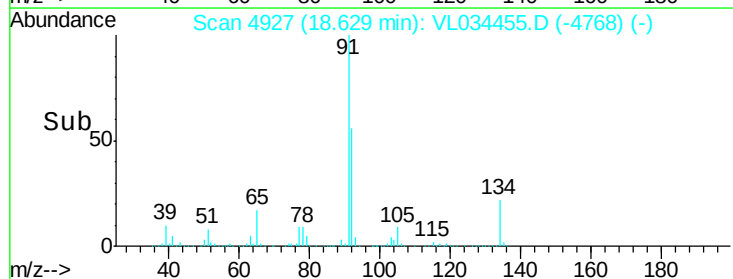
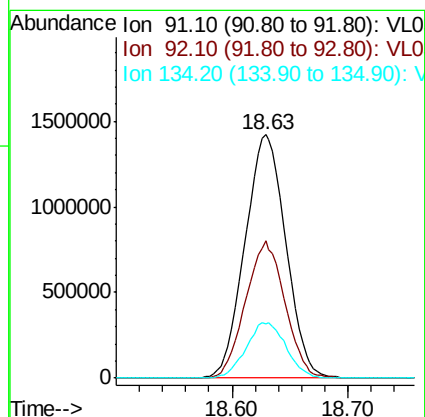
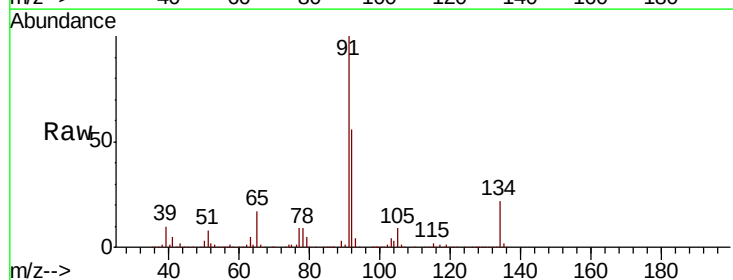
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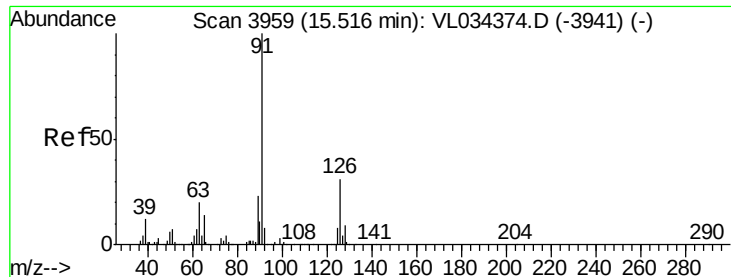
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#70
 n-Butylbenzene
 Concen: 8.460 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.8	65.6
134	22.3	17.9	26.9





#71

2-Chlorotoluene

Concen: 8.540 ppbv

RT: 15.53 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampleId :

VL1203ABS01

Tot Ion: 91 Resp: 2497341

Ion Ratio Lower Upper

91 100

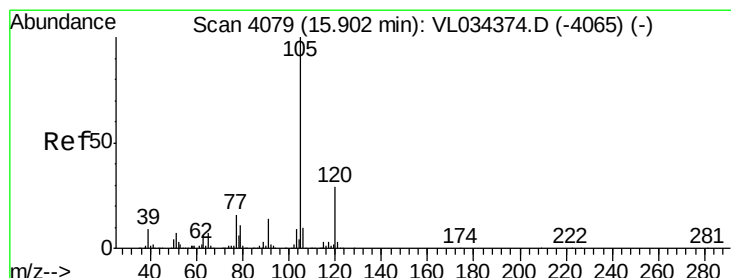
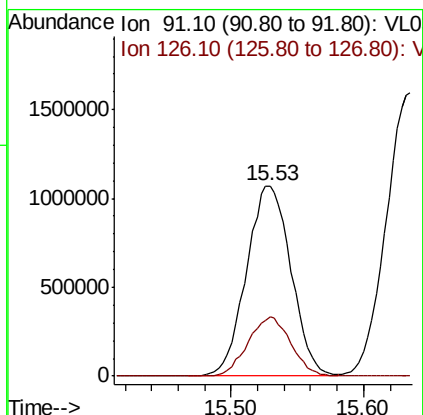
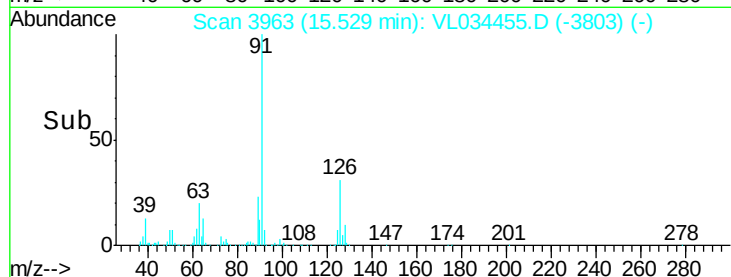
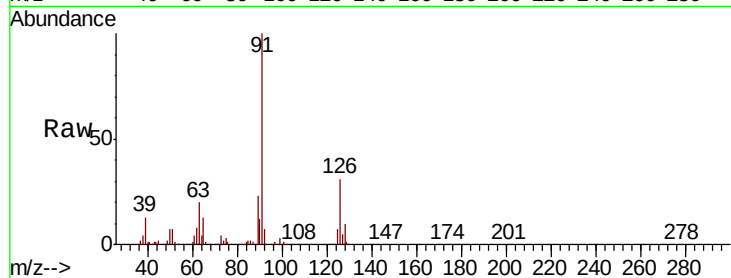
126 30.0 11.8 47.4

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#72

4-Ethyltoluene

Concen: 8.798 ppbv

RT: 15.91 min Scan# 4083

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion:105 Resp: 2818766

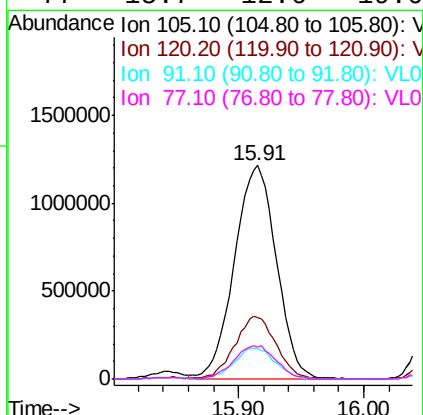
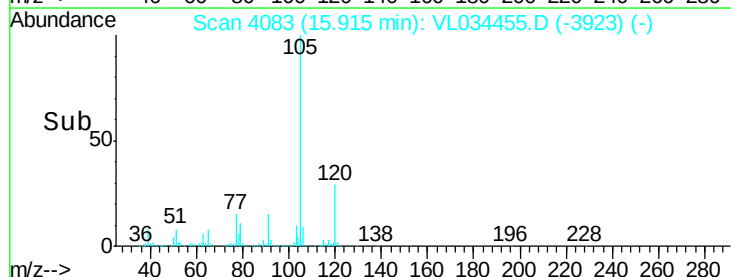
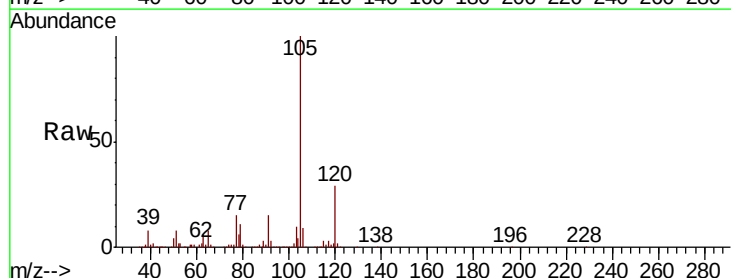
Ion Ratio Lower Upper

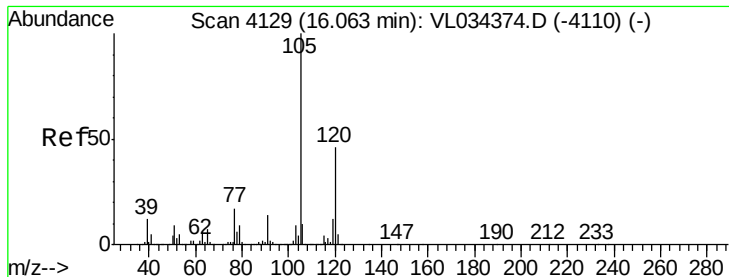
105 100

120 28.7 23.5 35.3

91 14.4 11.4 17.0

77 15.7 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 8.623 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

ClientSampled :

VL1203ABS01

Tot Ion:105 Resp: 2704223

Ion Ratio Lower Upper

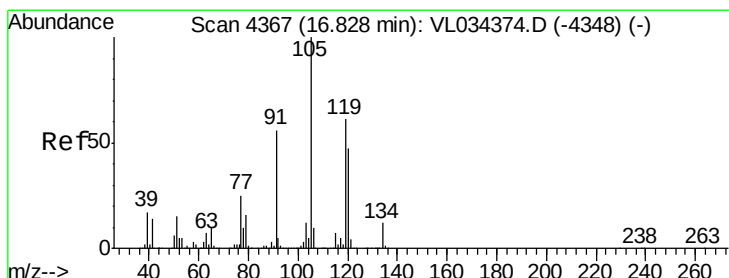
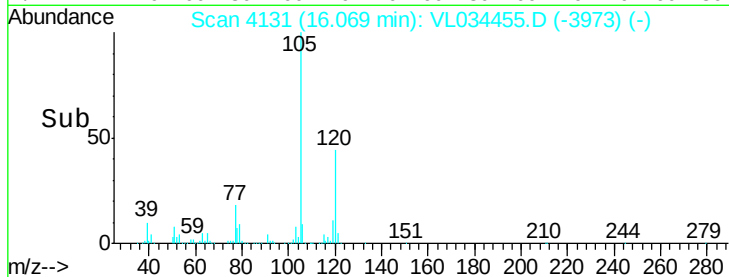
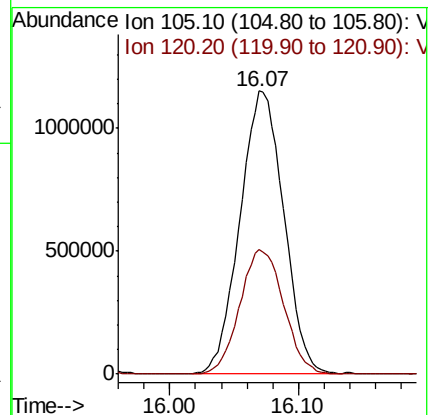
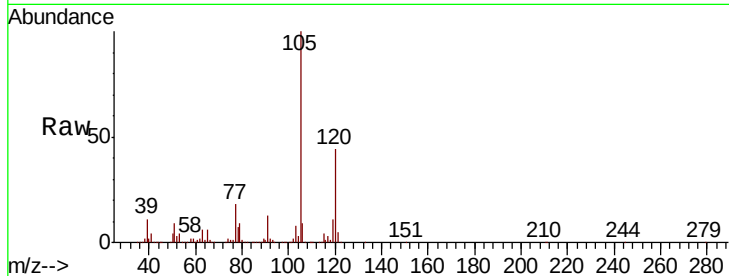
105 100

120 44.1 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 8.348 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion:105 Resp: 2781184

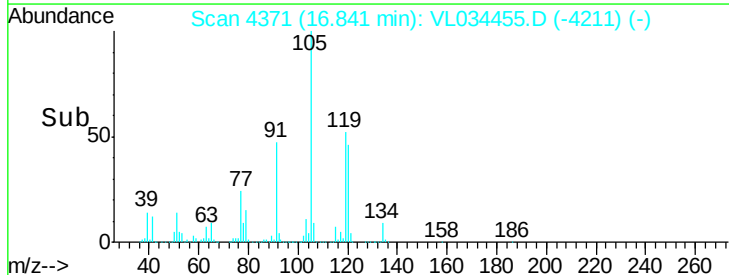
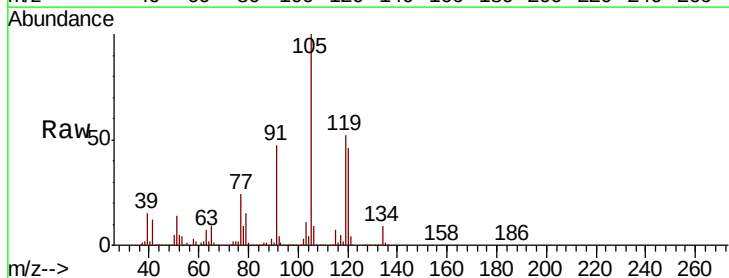
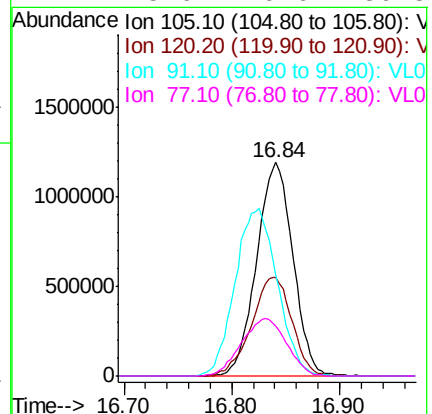
Ion Ratio Lower Upper

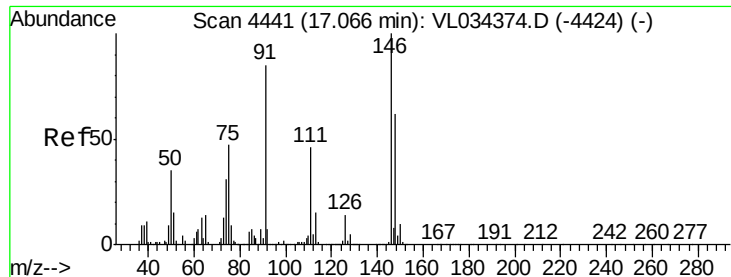
105 100

120 46.4 37.4 56.0

91 47.1 46.3 69.5

77 23.6 20.6 30.8





#75

1,3-Dichlorobenzene

Concen: 8.305 ppbv

RT: 17.08 min Scan# 4445

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Instrument :

MSVOA_L

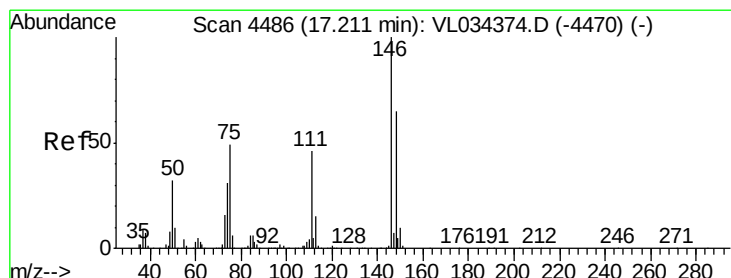
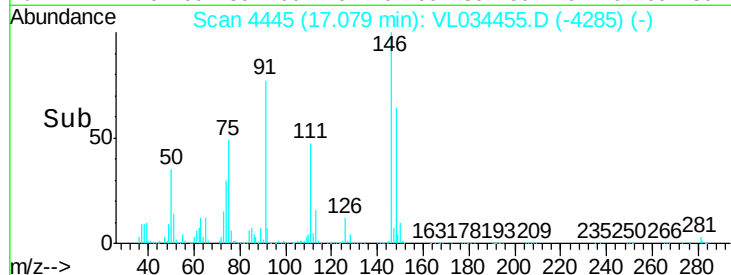
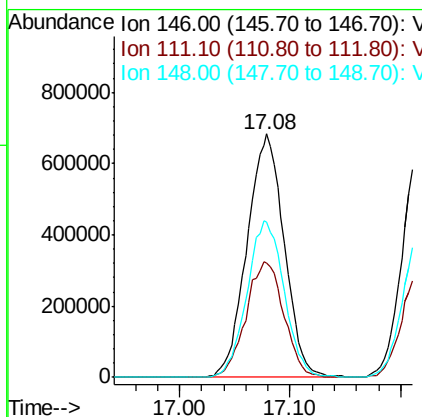
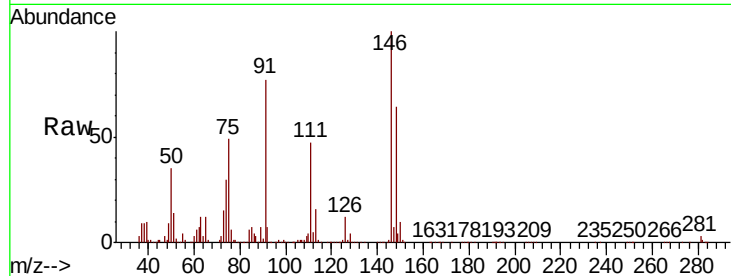
ClientSampleId :

VL1203ABS01

Tot Ion:	146	Resp:	1590240
Ion	Ratio	Lower	Upper
146	100		
111	48.4	24.4	73.4
148	64.4	32.4	97.0

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#76

1,4-Dichlorobenzene

Concen: 8.555 ppbv

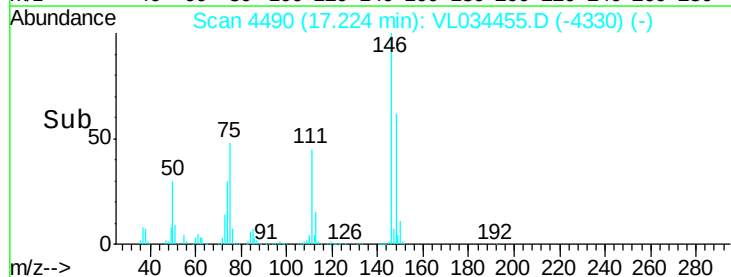
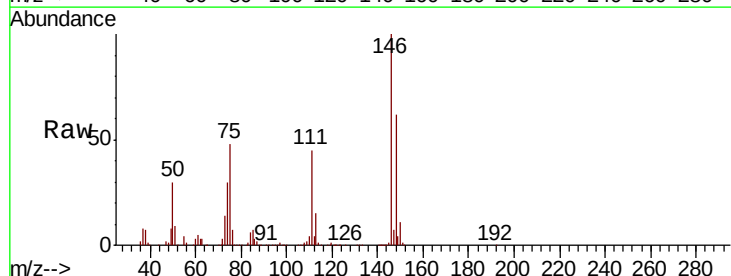
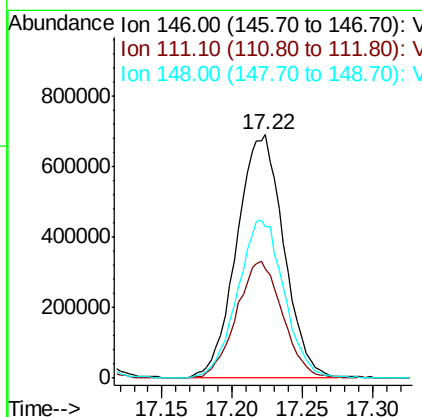
RT: 17.22 min Scan# 4490

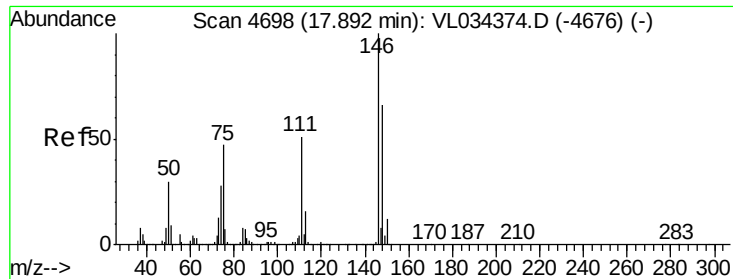
Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion:	146	Resp:	1590812
Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.1	72.3
148	65.1	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 8.324 ppbv

RT: 17.90 min Scan# 4701

Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

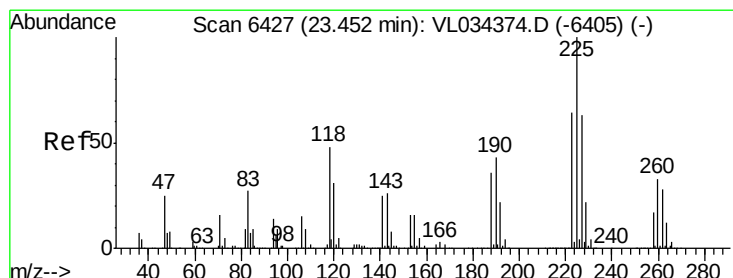
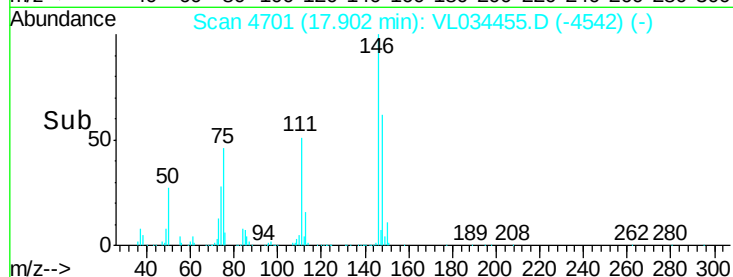
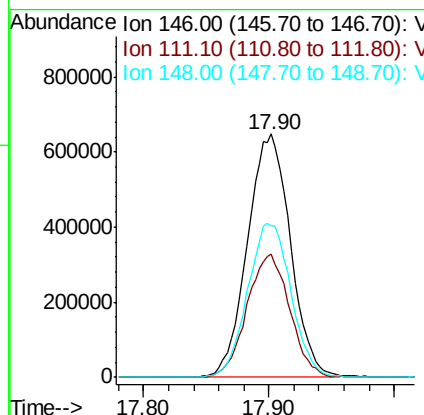
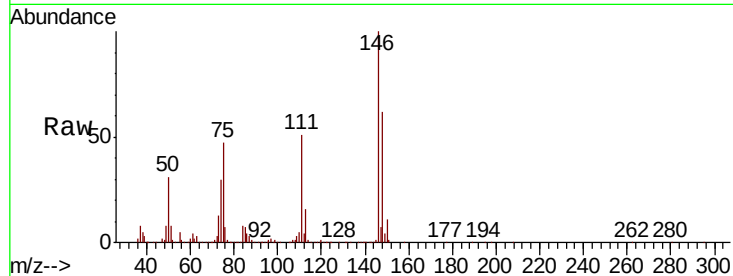
Instrument :
MSVOA_L

ClientSampled :
VL1203ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.0	75.0
148	64.3	32.7	98.1

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#78

Hexachloro-1,3-Butadiene

Concen: 8.309 ppbv

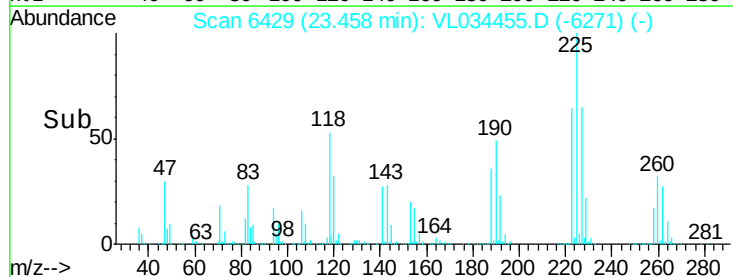
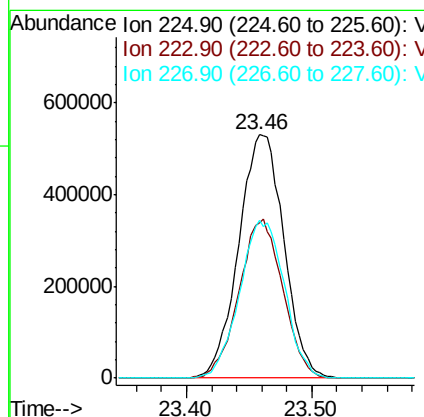
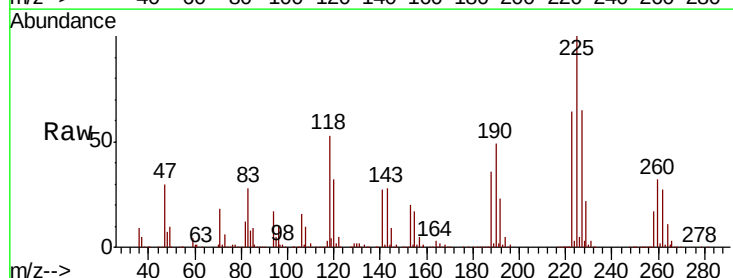
RT: 23.46 min Scan# 6429

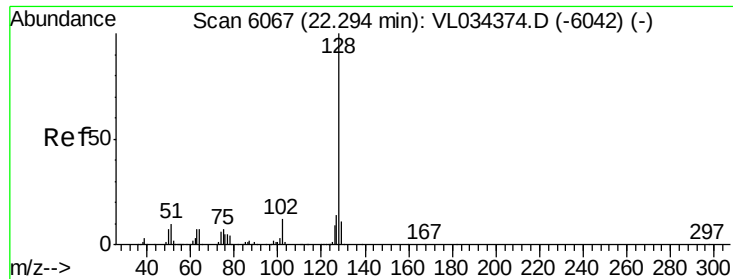
Delta R.T. 0.01 min

Lab File: VL034455.D

Acq: 3 Dec 2019 11:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.2
227	64.6	51.5	77.3





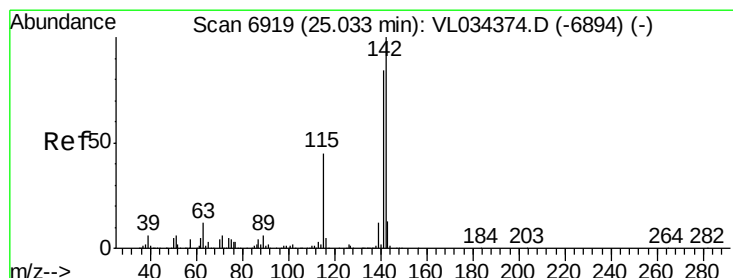
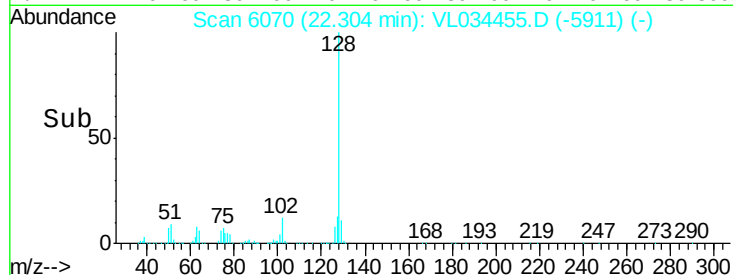
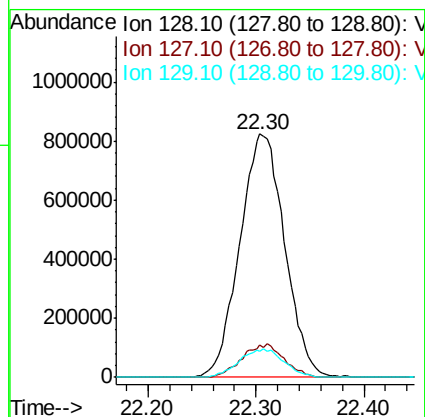
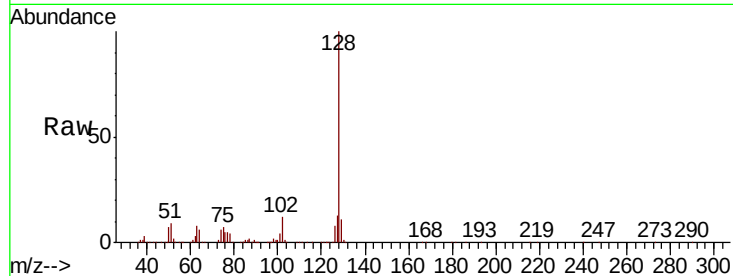
#79
Naphthalene
Concen: 8.228 ppbv
RT: 22.30 min Scan# 6070
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Instrument :
MSVOA_L
ClientSampleId :
VL1203ABS01

Tot Ion:128 Resp: 2376248
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.6
129 10.8 8.9 13.3

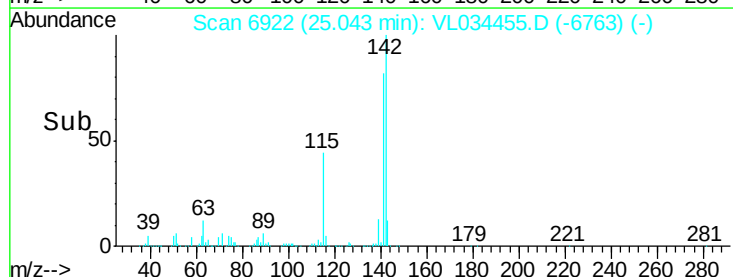
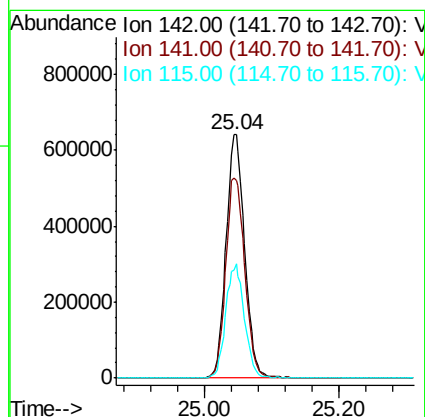
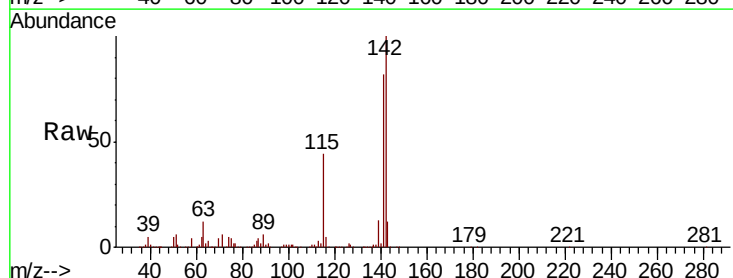
Manual Integrations
APPROVED

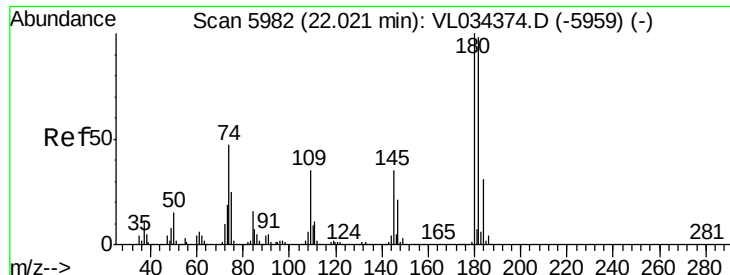
apatel
12/3/2019 5:04:00 PM



#80
Naphthalene, 2-methyl-
Concen: 9.521 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034455.D
Acq: 3 Dec 2019 11:36

Tgt Ion:142 Resp: 1241653
Ion Ratio Lower Upper
142 100
141 84.4 67.1 100.7
115 46.7 36.6 54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.103 ppbv
 RT: 22.03 min Scan# 5986
 Delta R.T. 0.01 min
 Lab File: VL034455.D
 Acq: 3 Dec 2019 11:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1203ABS01

Tot Ion:180	Resp: 1437627
Ion Ratio	Lower Upper
180 100	
182 96.3	76.8 115.2
184 31.3	24.9 37.3

Manual Integrations
 APPROVED

apatel
 12/3/2019 5:04:00 PM

