

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034463.D
 Acq On : 9 Dec 2019 12:35
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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 12/11/2019 2:11:55 PM

Quant Time: Dec 10 03:52:13 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	5.68	49	915718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1861638	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1936948m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1606652	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1169166	7.058	ppbv 97
3) Chlorodifluoromethane	2.96	51	1030685	9.021	ppbv 99
4) Chloromethane	3.11	50	546707	8.112	ppbv 98
5) Vinyl Chloride	3.23	62	536182	8.492	ppbv 89
6) Bromomethane	3.45	94	303448	9.551	ppbv 91
7) Chloroethane	3.53	64	203133	8.864	ppbv 99
8) Dichlorotetrafluoroethane	3.16	85	1266526	8.513	ppbv 100
9) Propene	2.98	41	413093	8.144	ppbv 100
10) Heptane	8.15	43	1104863	8.440	ppbv 100
11) Trichlorofluoromethane	3.93	101	1450594	8.799	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	959987	8.768	ppbv 100
13) Ethanol	3.58	45	115780	8.194	ppbv 98
14) Bromoethene	3.72	108	387844	8.712	ppbv 99
15) Acetone	3.83	43	1034040	7.886	ppbv 99
16) 1,3-Butadiene	3.30	39	492585	8.624	ppbv 98
17) tert-Butyl alcohol	4.28	59	1075257	9.756	ppbv 100
18) 1,1-Dichloroethene	4.28	96	424417	8.862	ppbv 98
19) Isopropyl Alcohol	3.95	45	846466	10.071	ppbv 100
20) Methylene Chloride	4.33	84	369127	7.939	ppbv 90
21) Allyl Chloride	4.40	41	710261	9.039	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	426260	8.829	ppbv 96
23) Vinyl Acetate	5.07	43	1578153	9.213	ppbv 99
24) 1,1-Dichloroethane	5.01	63	1128988	8.580	ppbv 100
25) Ethyl Acetate	5.68	43	1919230	8.202	ppbv 100
26) Hexane	5.69	57	834957	8.304	ppbv 99
27) Carbon Disulfide	4.54	76	1068229	9.754	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1477946	8.865	ppbv 100
29) Chloroform	5.76	83	1385498	8.509	ppbv 97
30) Cyclohexane	7.15	84	653940	8.603	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	895179	8.616	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	1416765	9.281	ppbv 99
34) 2-Butanone	5.24	43	1275539	8.324	ppbv 99
35) Carbon Tetrachloride	7.04	117	1472861	9.202	ppbv 99
36) Benzene	6.92	78	1588260	8.535	ppbv 94
37) 1,2-Dichloroethane	6.32	62	1196709	8.656	ppbv 99
38) Trichloroethene	7.87	130	617487	8.086	ppbv 98
39) 1,2-Dichloropropane	7.64	63	656255	9.153	ppbv 95
40) 1,4-Dioxane	7.86	88	254361	8.122	ppbv # 98
41) Tetrahydrofuran	6.06	42	718594	8.361	ppbv 100
42) Bromodichloromethane	7.82	83	1539372	8.903	ppbv 98
43) Methyl Methacrylate	8.04	69	676795	8.768	ppbv 99

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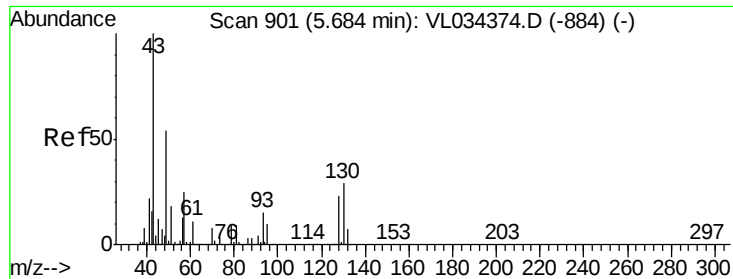
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2881544	8.473	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	891021	9.001	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1009027	9.075	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	678109	8.503	ppbv	94
48) Dibromochloromethane	10.35	129	1262483	9.220	ppbv	100
49) Bromoform	13.10	173	1124929	9.203	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	1921285	8.666	ppbv	100
51) 2-Hexanone	10.17	43	1608948	8.664	ppbv	98
52) Tetrachloroethene	11.27	164	597258	7.418	ppbv	96
53) Toluene	9.84	91	1815013	8.586	ppbv	99
54) 1,2-Dibromoethane	10.66	107	1082624	8.854	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	851876	8.991	ppbv #	61
57) Chlorobenzene	12.20	112	1399911	7.995	ppbv	96
58) Ethyl Benzene	12.76	91	2550830	8.486	ppbv	99
59) m/p-Xylene	13.05	91	4237994m	16.311	ppbv	
60) o-Xylene	13.74	91	2148975	8.365	ppbv	99
61) Styrene	13.58	104	1509284	8.147	ppbv	99
62) Isopropylbenzene	14.72	105	2840617	8.360	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1547882	8.016	ppbv	100
64) n-propylbenzene	15.62	120	726077	8.229	ppbv	91
65) tert-Butylbenzene	16.80	119	2568859	8.417	ppbv	99
66) Benzyl Chloride	17.05	91	1225587	10.438	ppbv	100
67) sec-Butylbenzene	17.36	105	3595801	8.423	ppbv	99
69) p-Isopropyltoluene	17.72	119	3001341	8.471	ppbv	99
70) n-Butylbenzene	18.62	91	3211455	8.424	ppbv	99
71) 2-Chlorotoluene	15.51	91	2235119	8.250	ppbv	99
72) 4-Ethyltoluene	15.90	105	2487181	8.379	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2373465	8.169	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	2488040	8.061	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1388130	7.824	ppbv	100
76) 1,4-Dichlorobenzene	17.20	146	1398551	8.118	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	1374778	8.023	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1170172	7.948	ppbv	99
79) Naphthalene	22.28	128	2143235	8.010	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	598139	4.951	ppbv	96
81) 1,2,4-Trichlorobenzene	22.01	180	1206857	7.342	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

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MSVOA_L

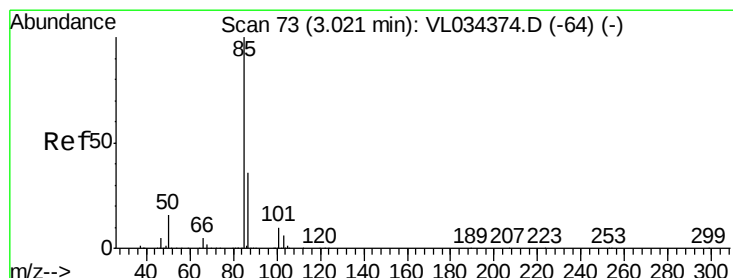
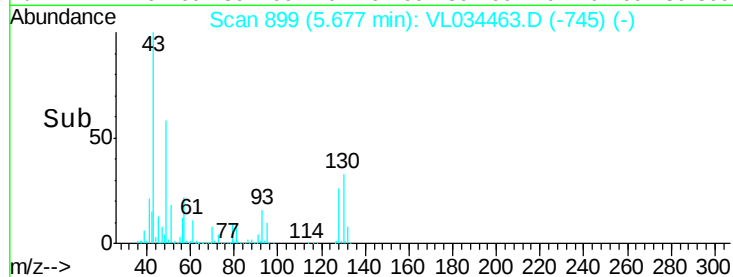
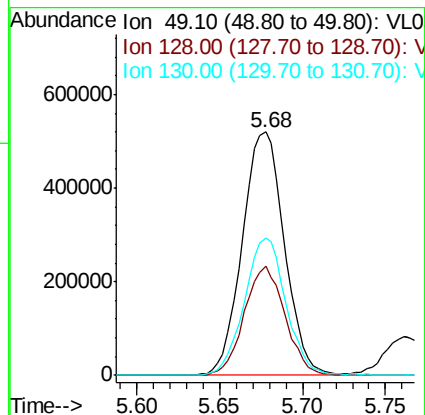
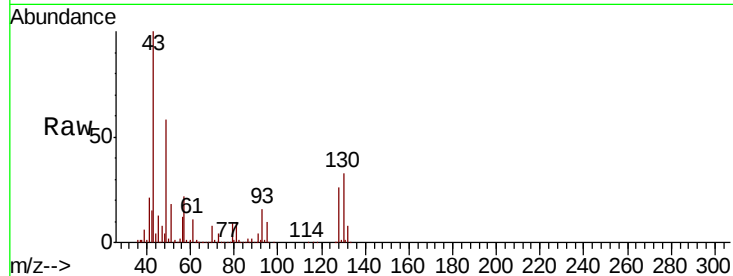
ClientSampleId :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.8	65.3
130	56.1	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 7.058 ppbv

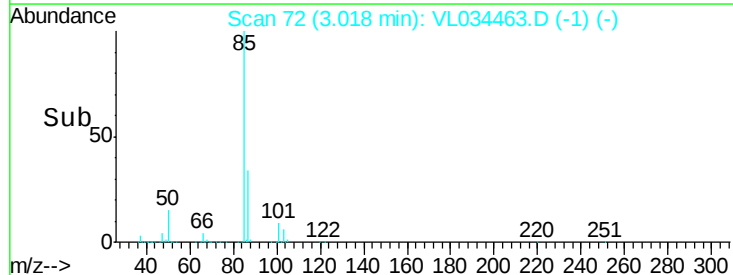
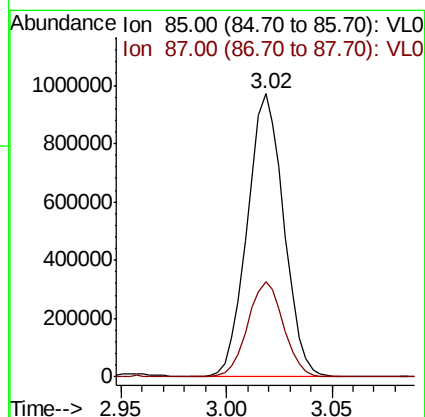
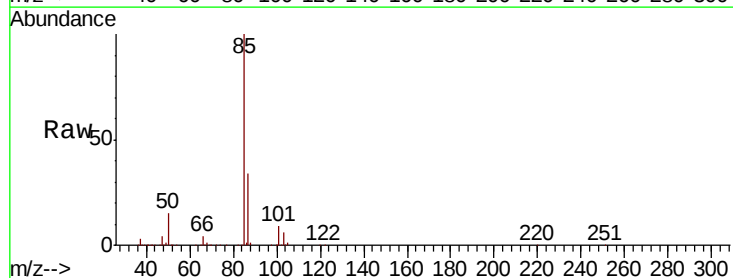
RT: 3.02 min Scan# 72

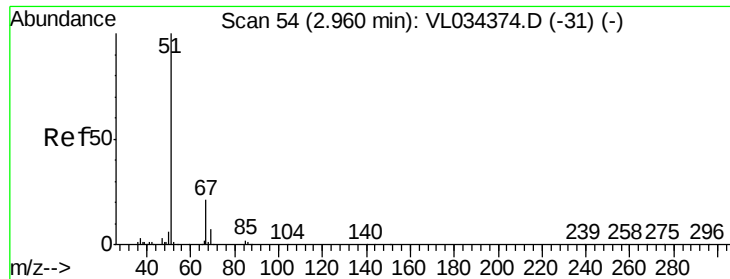
Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.8	28.5	42.7





#3

Chlorodifluoromethane

Concen: 9.021 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1030685

Ion Ratio Lower Upper

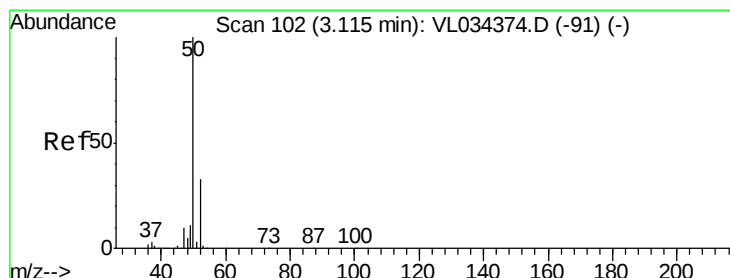
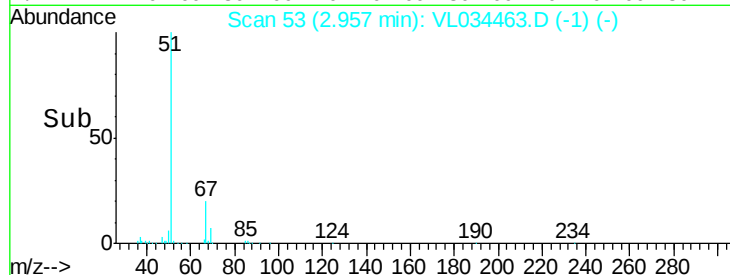
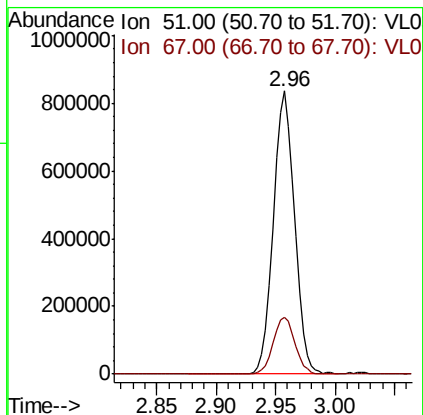
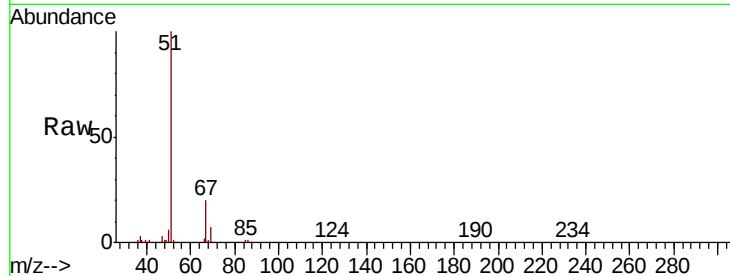
51 100

67 20.6 16.2 24.2

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#4

Chloromethane

Concen: 8.112 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034463.D

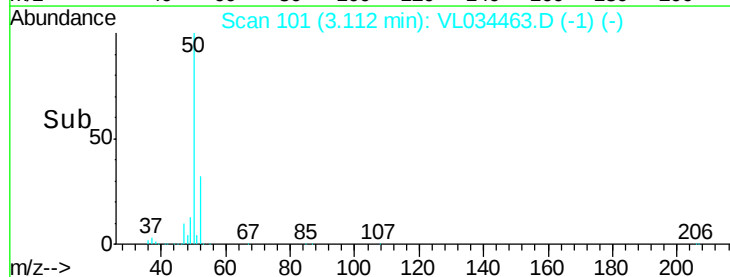
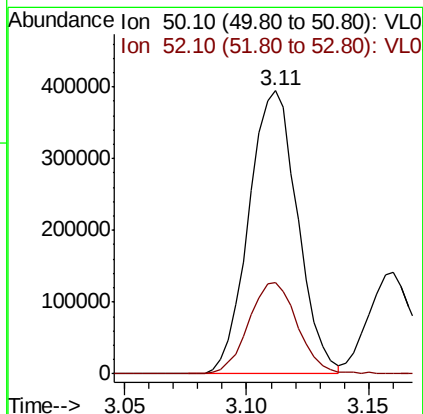
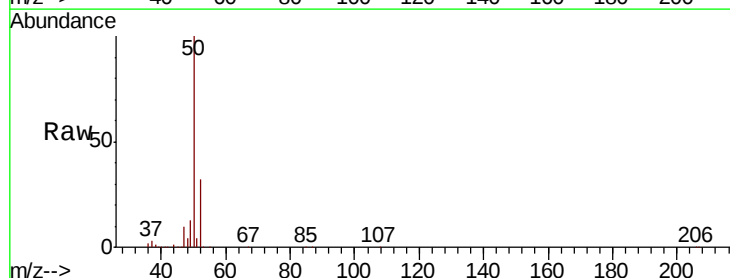
Acq: 9 Dec 2019 12:35

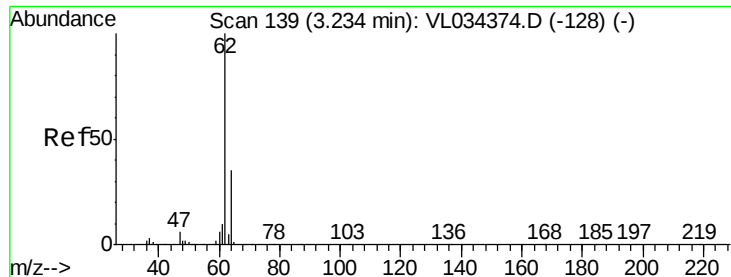
Tgt Ion: 50 Resp: 546707

Ion Ratio Lower Upper

50 100

52 32.4 26.8 40.2





#5

Vinyl Chloride

Concen: 8.492 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 536182

Ion Ratio Lower Upper

62 100

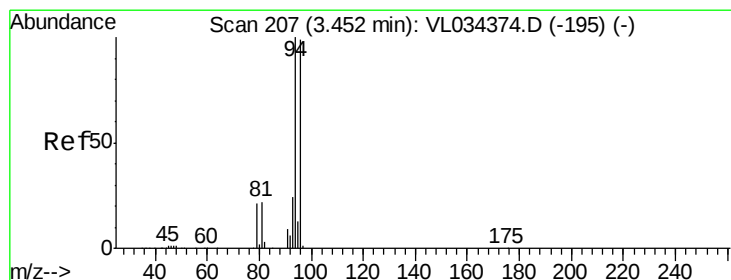
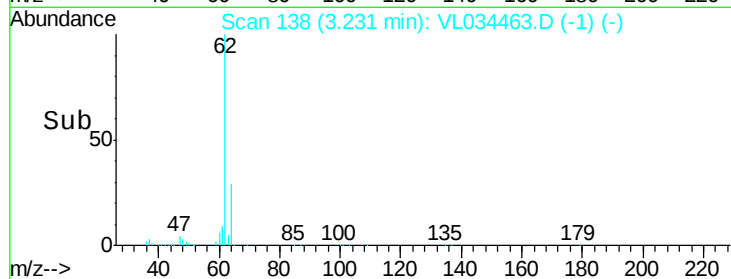
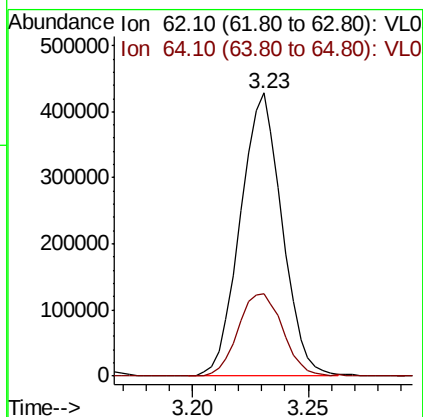
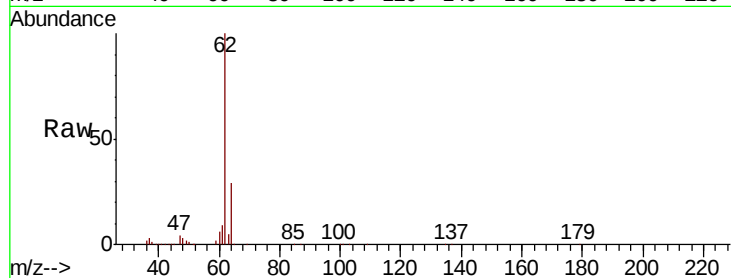
64 29.2 28.4 42.6

Manual Integrations

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#6

Bromomethane

Concen: 9.551 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL034463.D

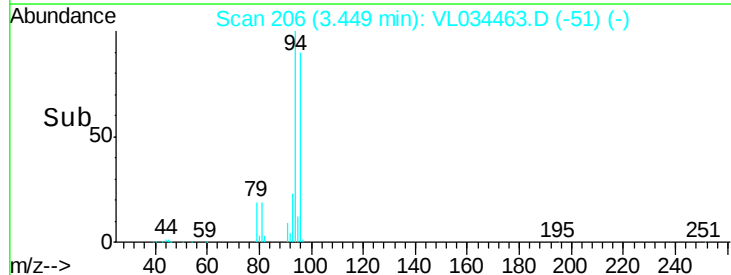
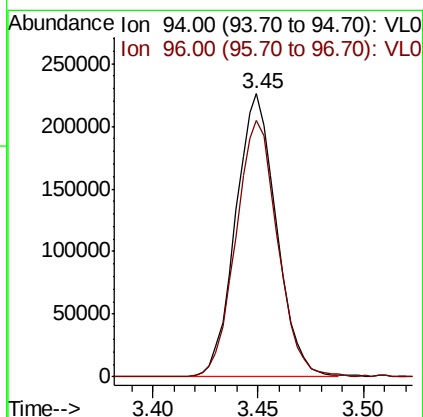
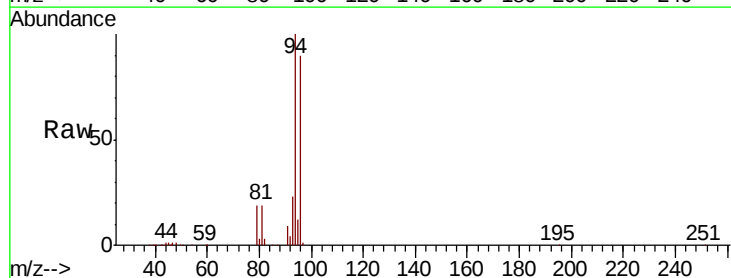
Acq: 9 Dec 2019 12:35

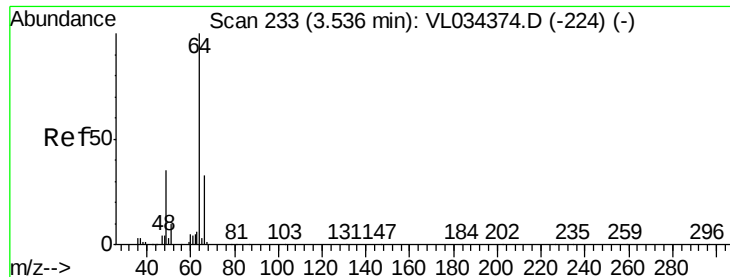
Tgt Ion: 94 Resp: 303448

Ion Ratio Lower Upper

94 100

96 90.3 79.5 119.3





#7

Chloroethane

Concen: 8.864 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 203133

Ion Ratio Lower Upper

64 100

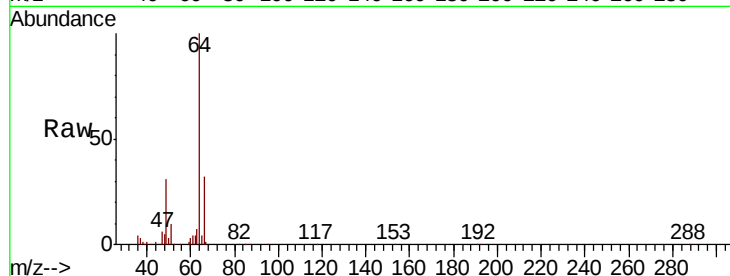
66 31.8 26.0 39.0

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

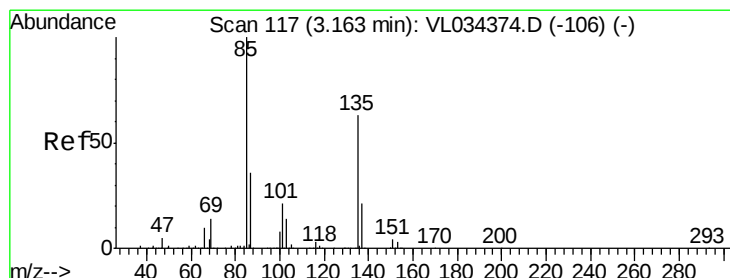
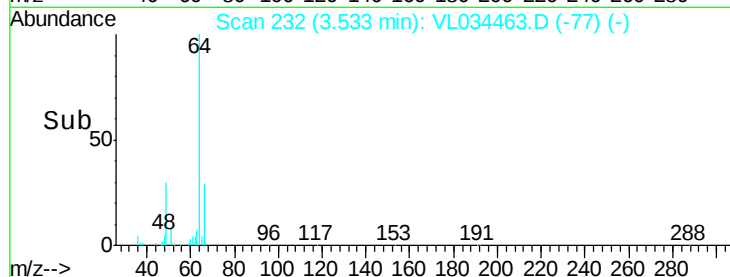
100000

50000

0

3.50 3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.513 ppbv

RT: 3.16 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL034463.D

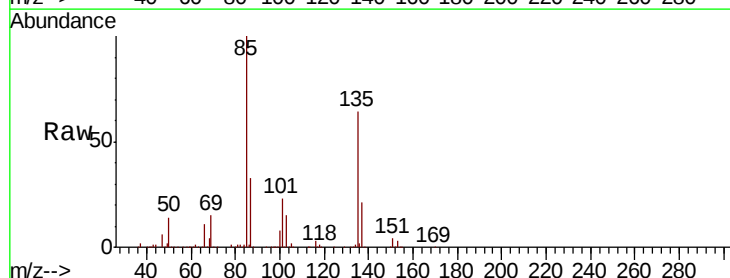
Acq: 9 Dec 2019 12:35

Tgt Ion: 85 Resp: 1266526

Ion Ratio Lower Upper

85 100

135 64.0 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

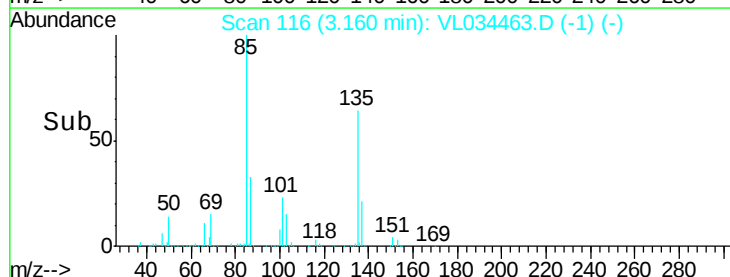
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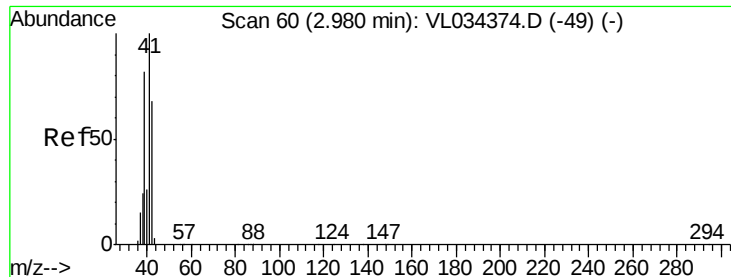
200000

0

3.10 3.15 3.20 3.25

Time-->





#9

Propene

Concen: 8.144 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 413093

Ion Ratio Lower Upper

41 100

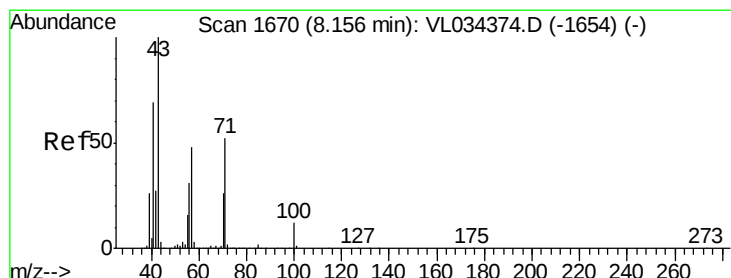
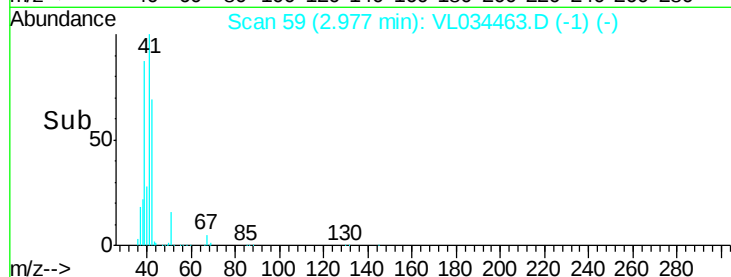
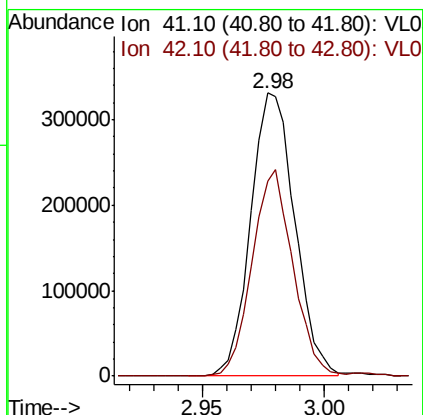
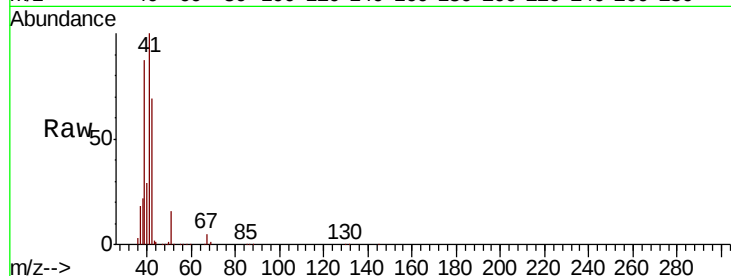
42 68.6 54.6 82.0

Manual Integrations

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#10

Heptane

Concen: 8.440 ppbv

RT: 8.15 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VL034463.D

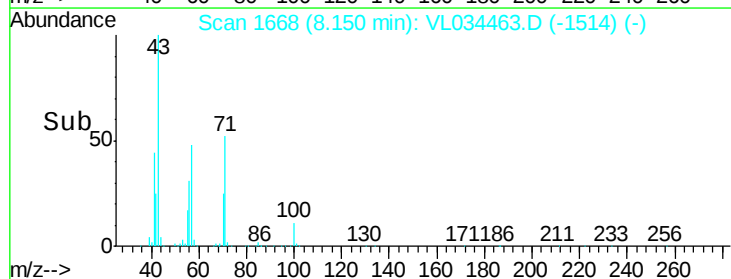
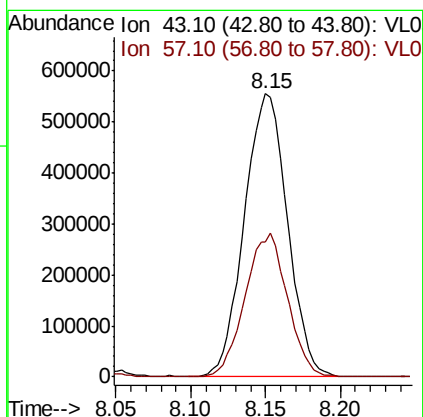
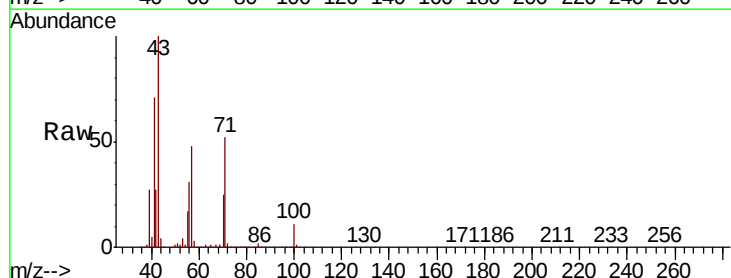
Acq: 9 Dec 2019 12:35

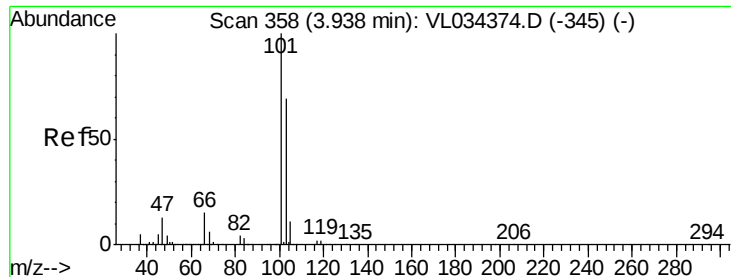
Tgt Ion: 43 Resp: 1104863

Ion Ratio Lower Upper

43 100

57 50.1 40.2 60.2





#11

Trichlorofluoromethane

Concen: 8.799 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion:101 Resp: 1450594

Ion Ratio Lower Upper

101 100

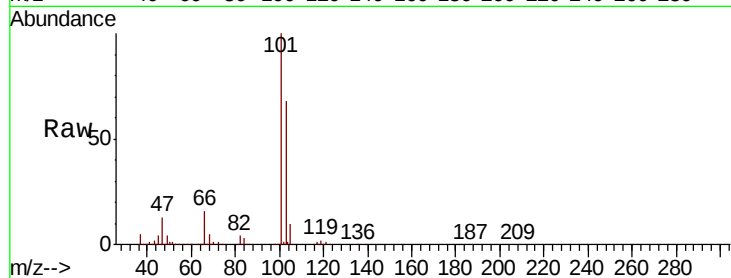
103 68.0 55.4 83.0

Manual Integrations

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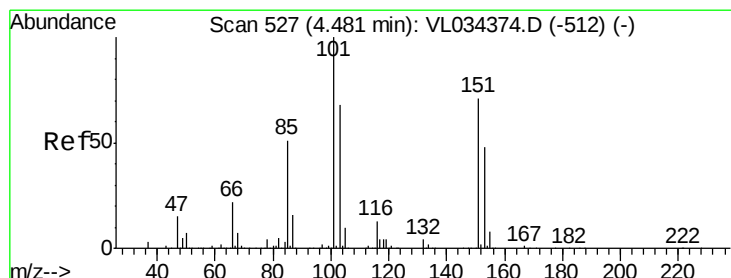
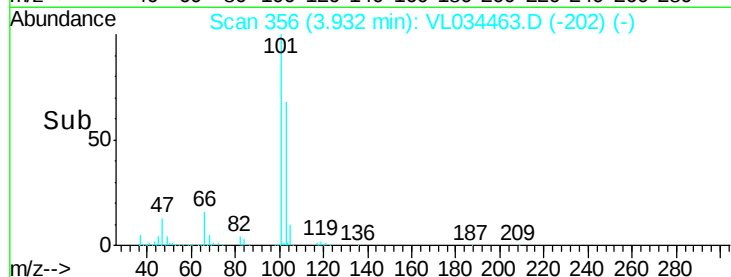
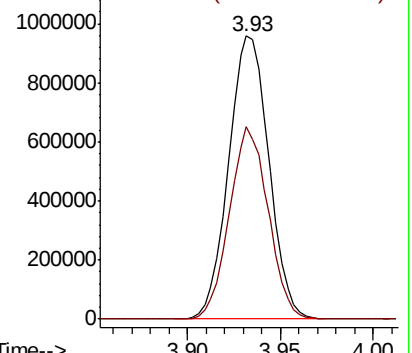
apatel

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.768 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL034463.D

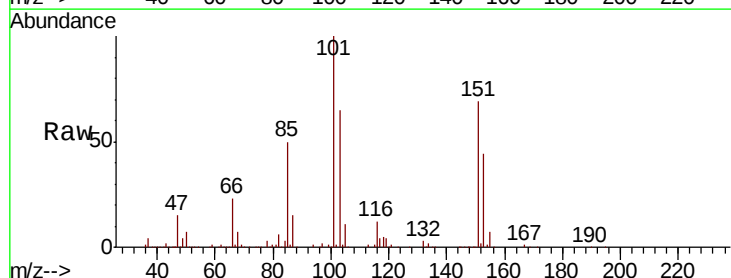
Acq: 9 Dec 2019 12:35

Tgt Ion:101 Resp: 959987

Ion Ratio Lower Upper

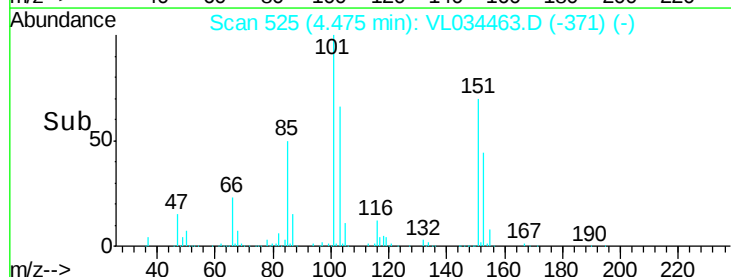
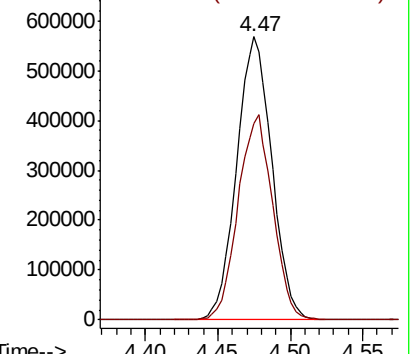
101 100

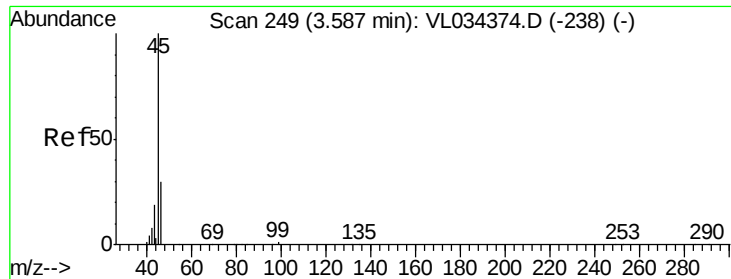
151 71.5 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





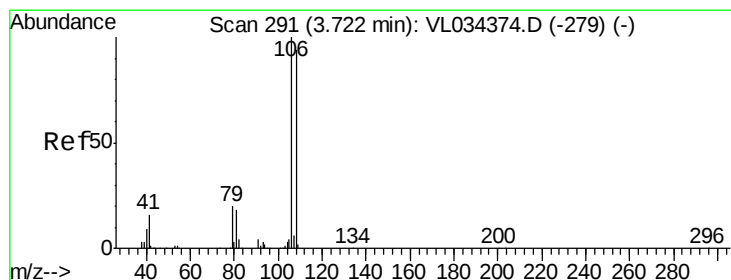
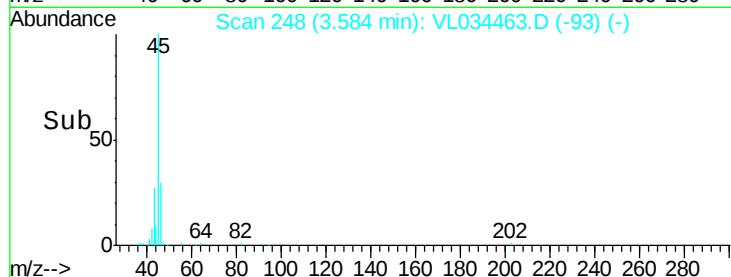
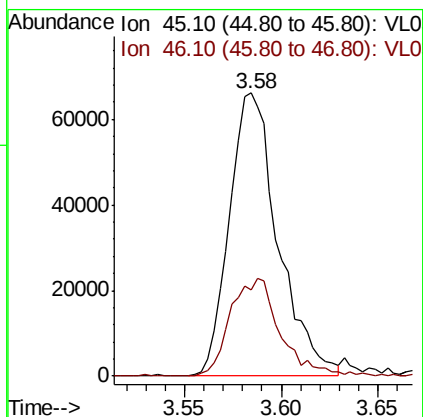
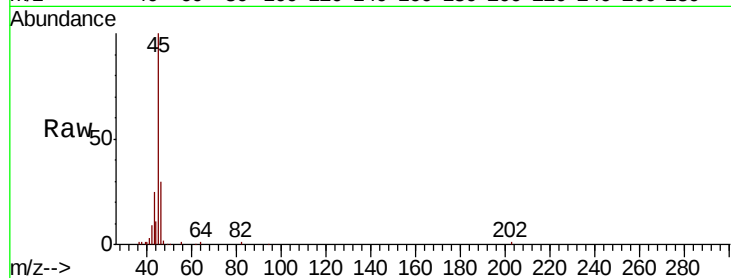
#13
Ethanol
Concen: 8.194 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.6	13.8	55.4

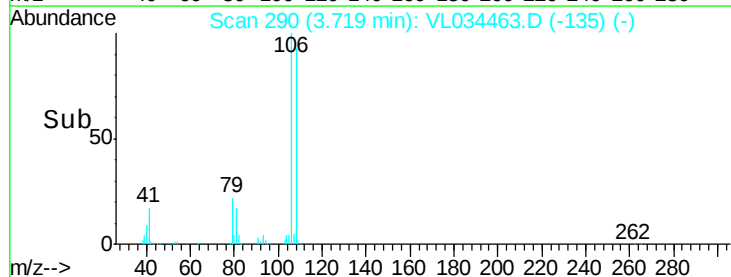
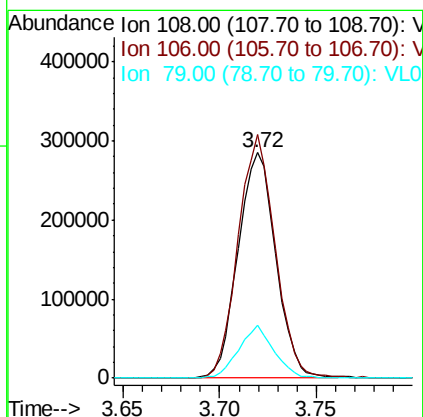
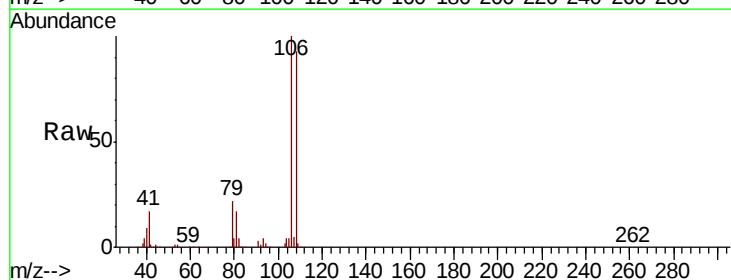
Manual Integrations
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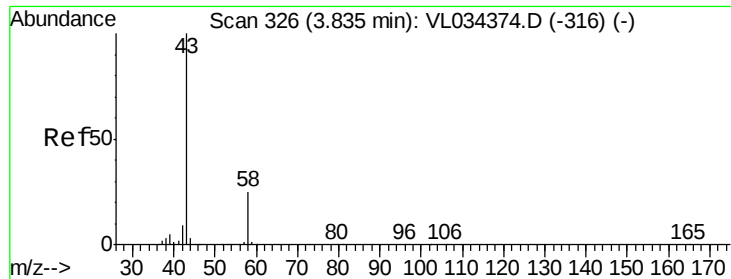
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#14
Bromoethene
Concen: 8.712 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.0	85.7	128.5
79	22.0	17.2	25.8





#15

Acetone

Concen: 7.886 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Tot Ion: 43 Resp: 1034040

Ion Ratio Lower Upper

43 100

58 25.6 20.2 30.4

Instrument :

MSVOA_L

ClientSampleId :

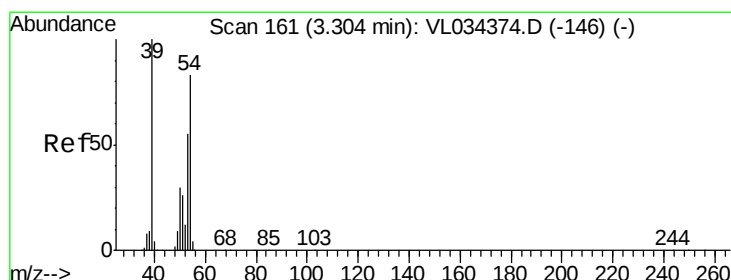
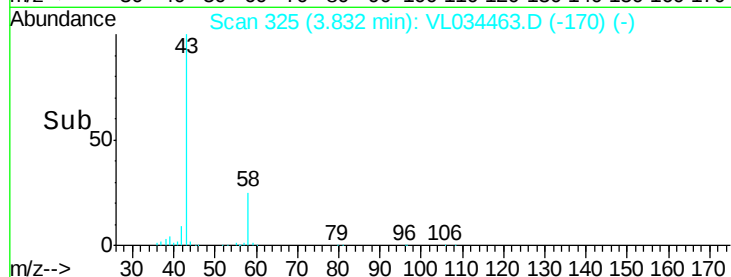
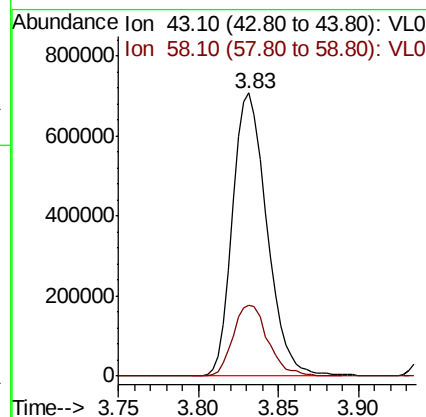
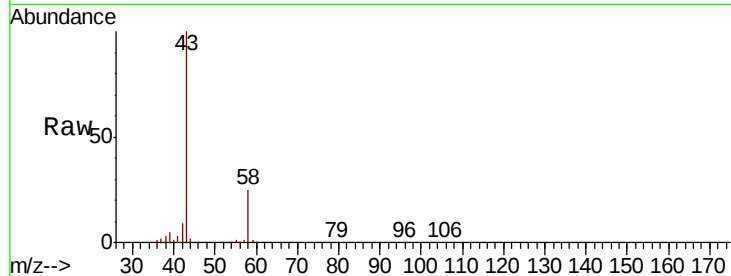
VSTDCCC010

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#16

1,3-Butadiene

Concen: 8.624 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.00 min

Lab File: VL034463.D

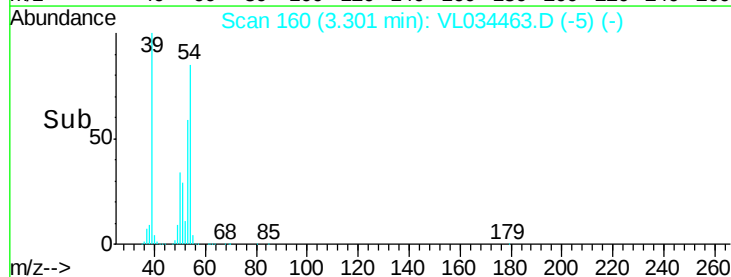
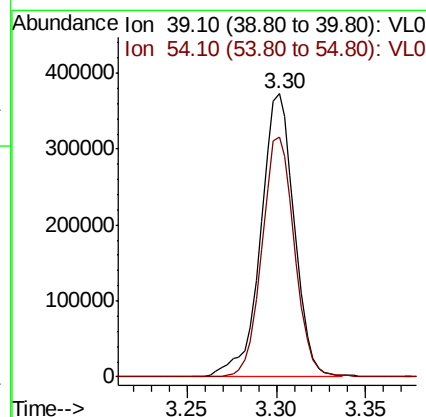
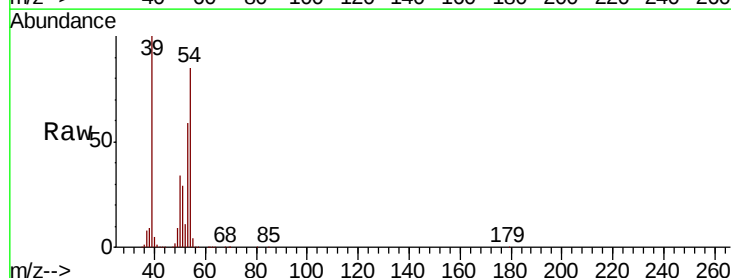
Acq: 9 Dec 2019 12:35

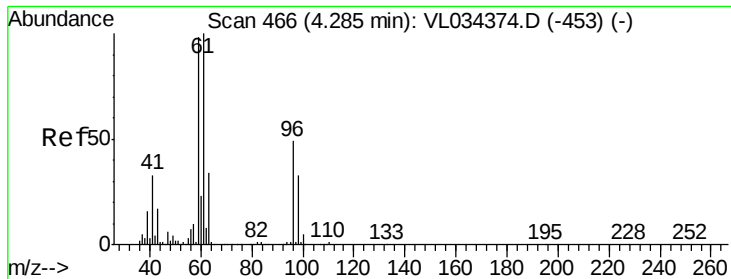
Tgt Ion: 39 Resp: 492585

Ion Ratio Lower Upper

39 100

54 82.3 64.7 97.1





#17

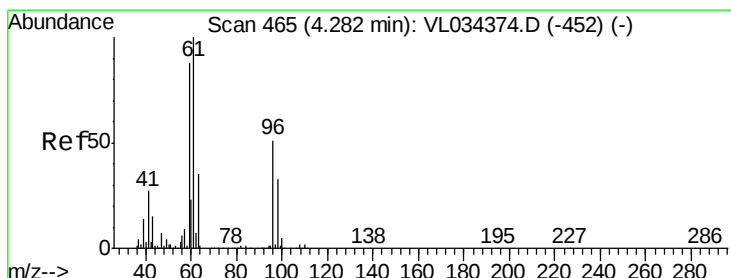
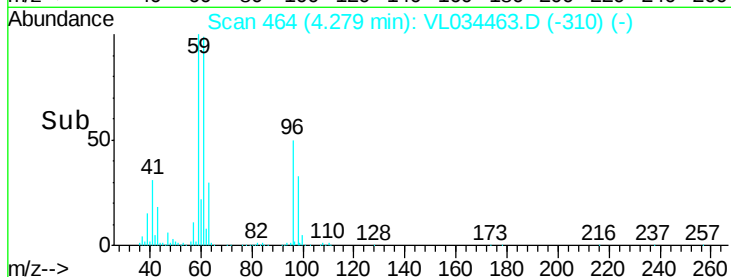
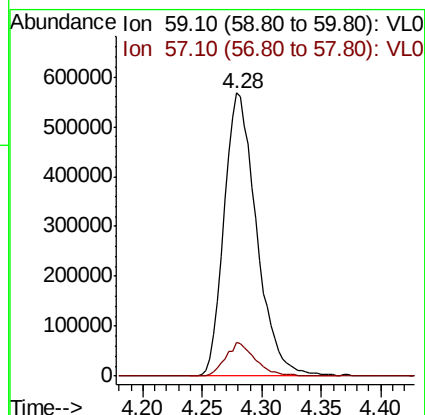
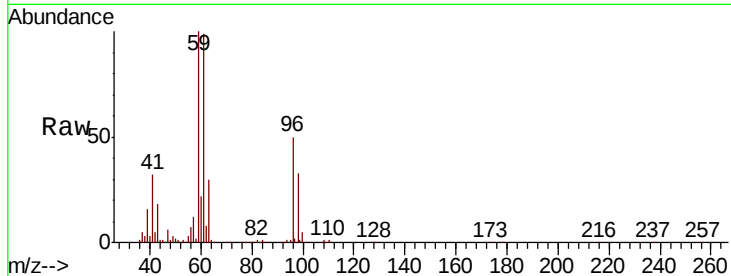
tert-Butyl alcohol
Concen: 9.756 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1075257
Ion Ratio Lower Upper
59 100
57 11.0 8.8 13.2

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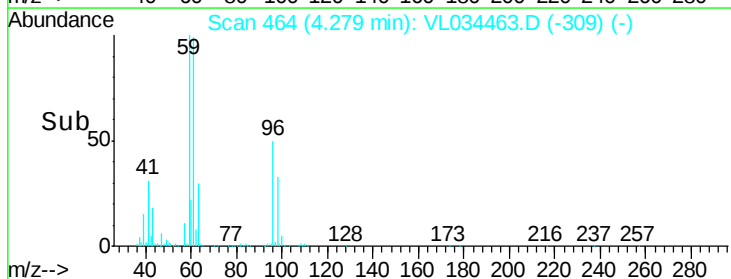
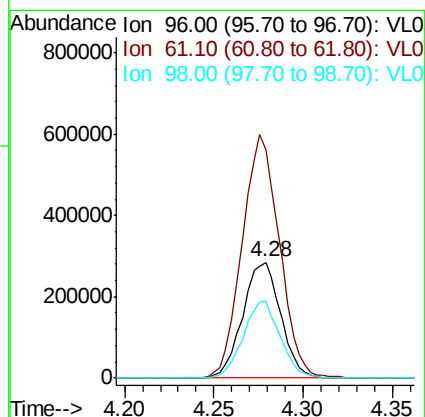
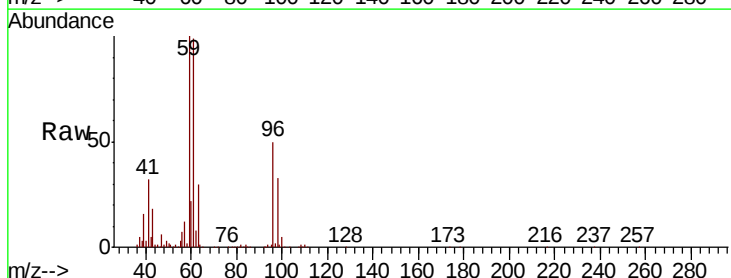
apatel
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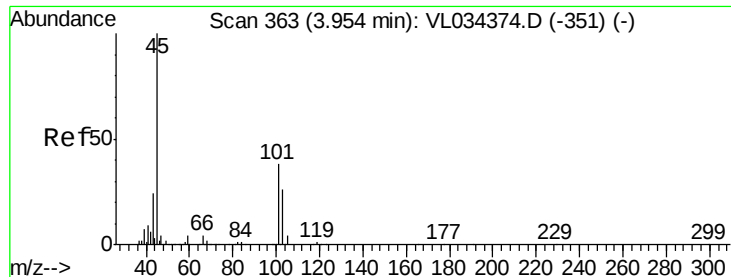


#18

1,1-Dichloroethene
Concen: 8.862 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 96 Resp: 424417
Ion Ratio Lower Upper
96 100
61 196.6 155.6 233.4
98 66.3 51.6 77.4





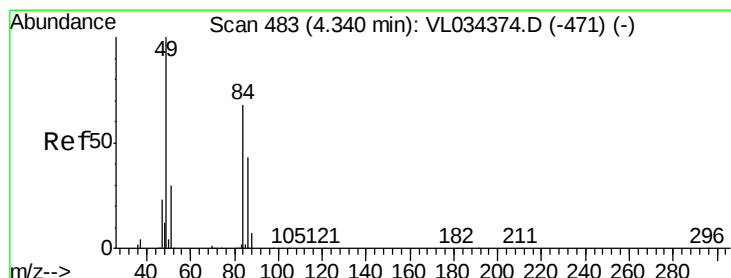
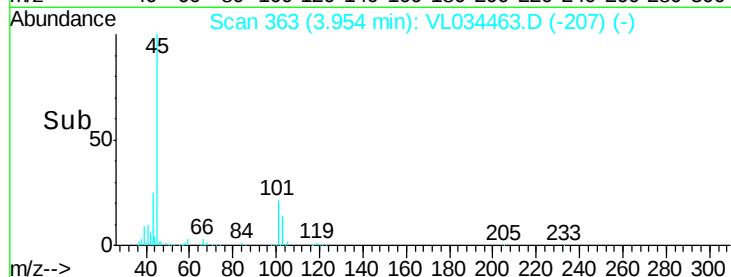
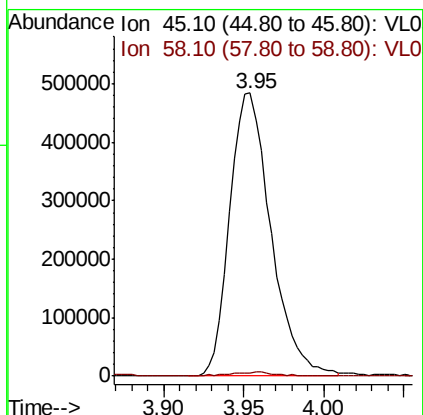
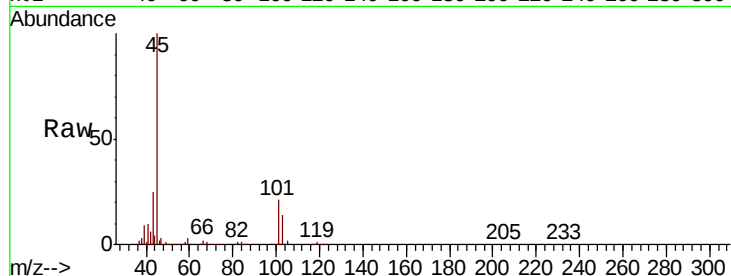
#19
Isopropyl Alcohol
Concen: 10.071 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.3	1.9

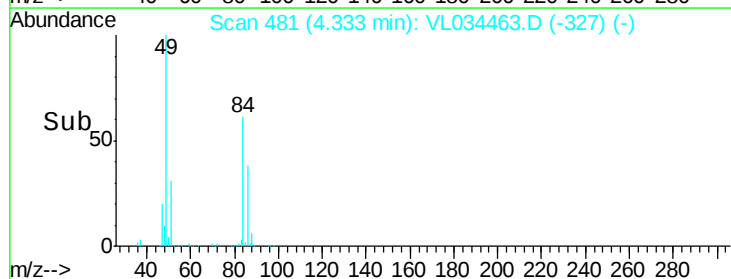
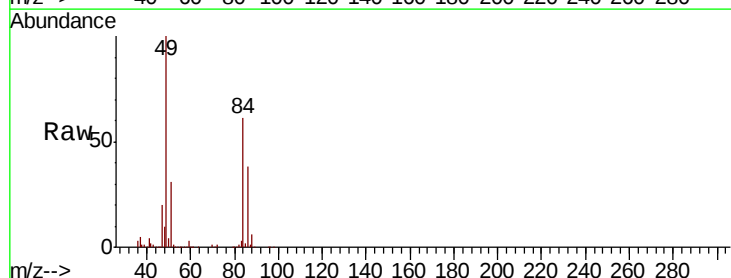
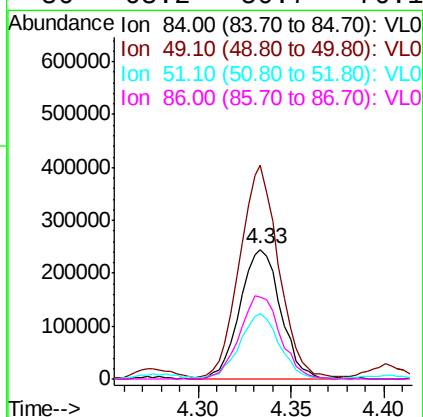
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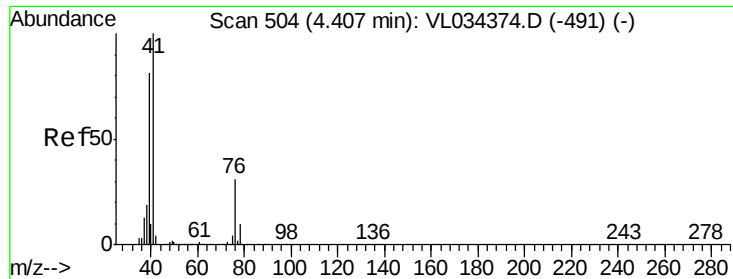
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#20
Methylene Chloride
Concen: 7.939 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	164.0	116.8	175.2
51	50.2	35.6	53.4
86	63.2	50.7	76.1





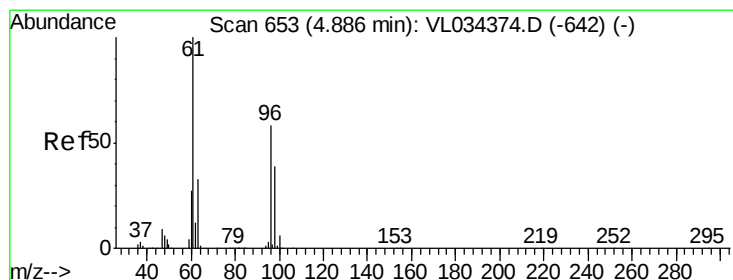
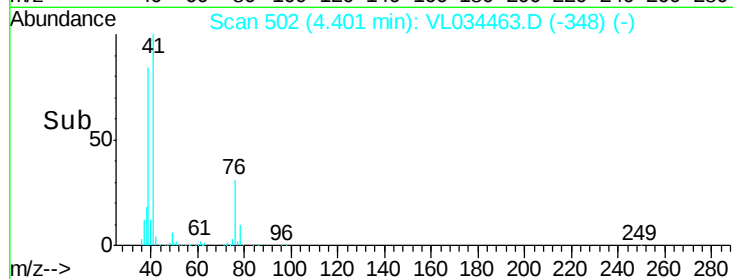
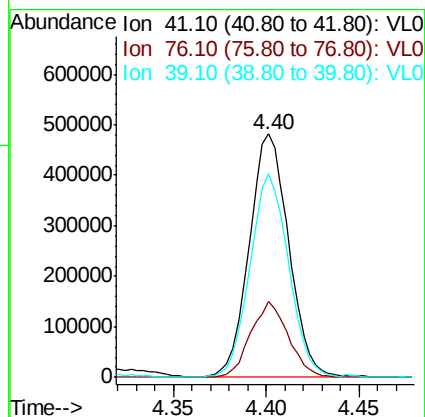
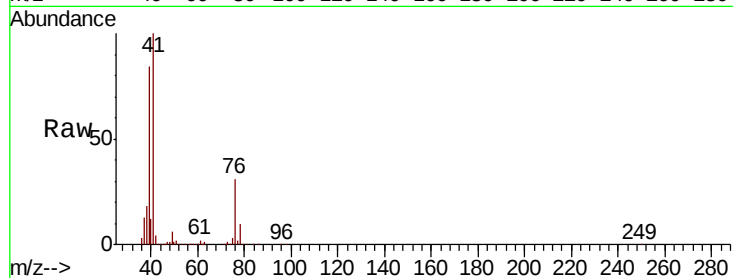
#21
Allvl Chloride
Concen: 9.039 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.0	24.2	36.2
39	82.4	66.9	100.3

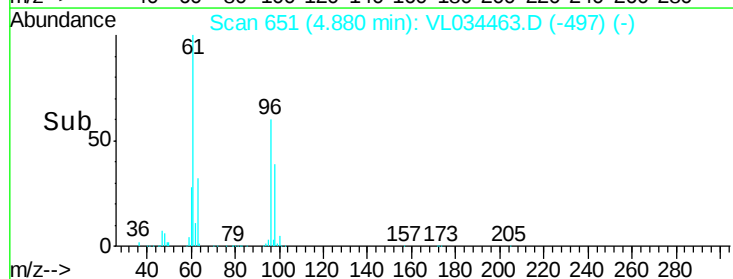
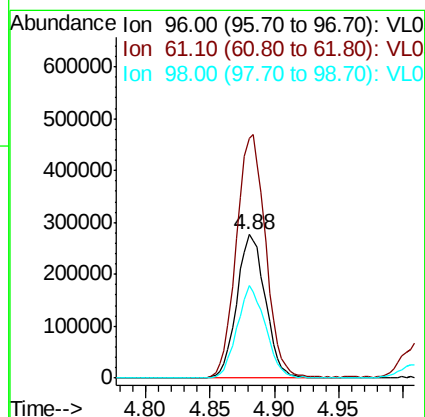
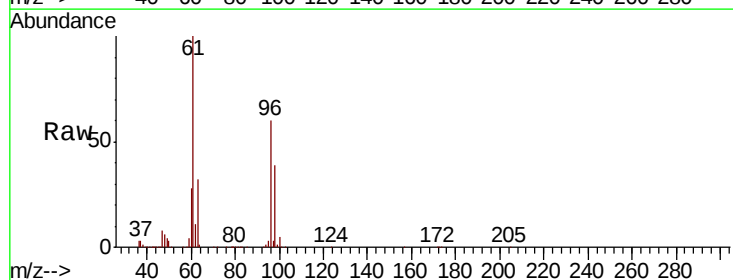
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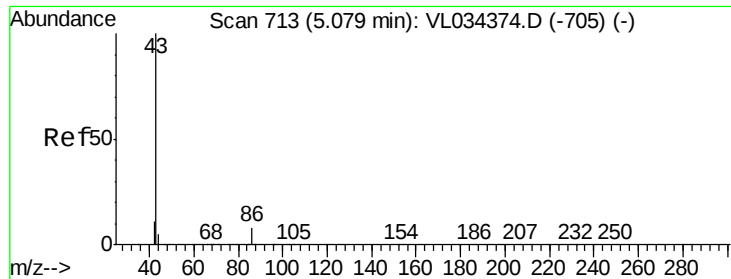
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#22
trans-1,2-Dichloroethene
Concen: 8.829 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	137.9	206.9
98	64.8	53.5	80.3





#23

Vinyl Acetate

Concen: 9.213 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 43 Resp: 1578153

Ion Ratio Lower Upper

43 100

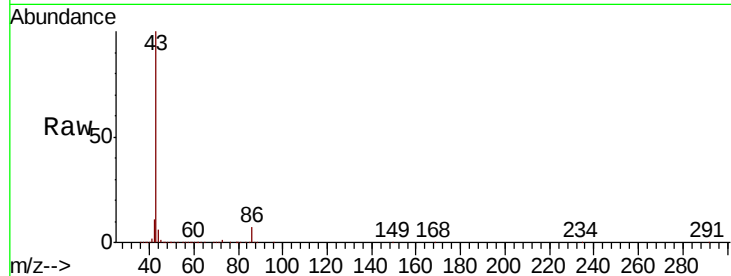
86 6.8 5.8 8.6

42 10.9 8.9 13.3

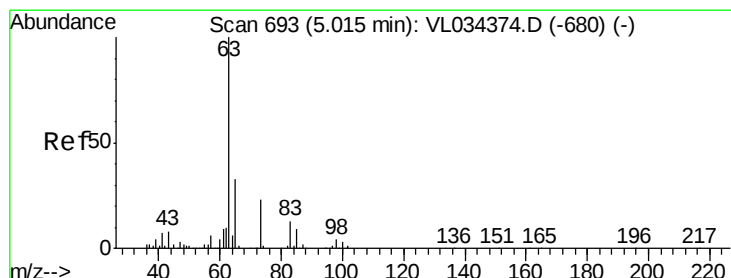
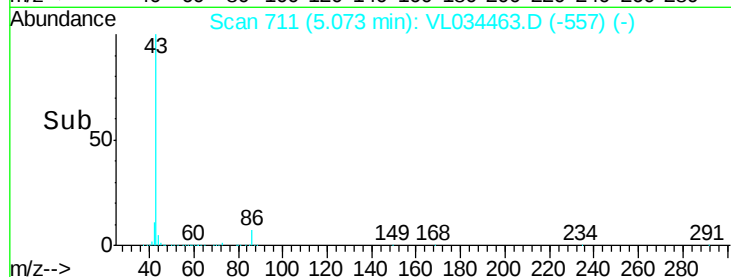
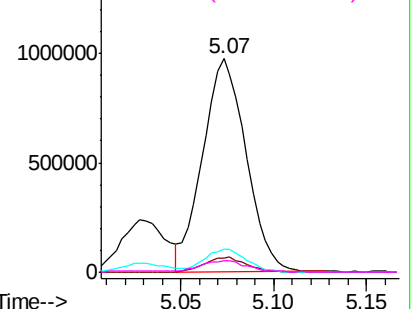
44 5.6 4.0 6.0

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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: 8.580 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

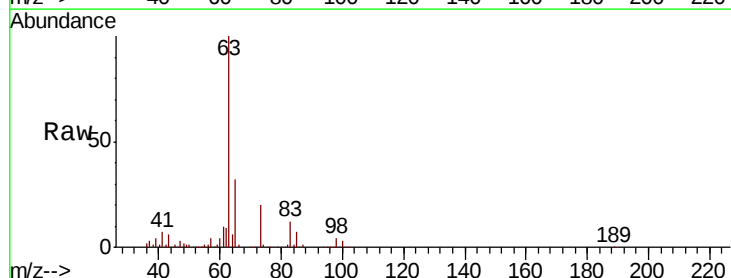
Tgt Ion: 63 Resp: 1128988

Ion Ratio Lower Upper

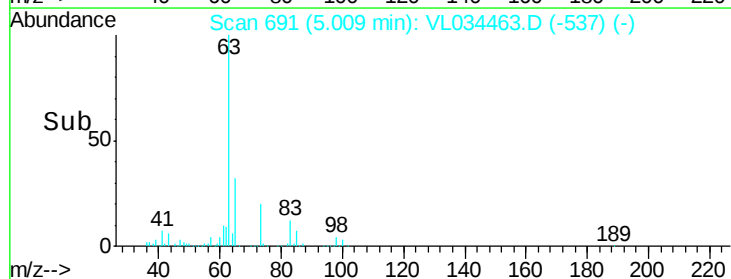
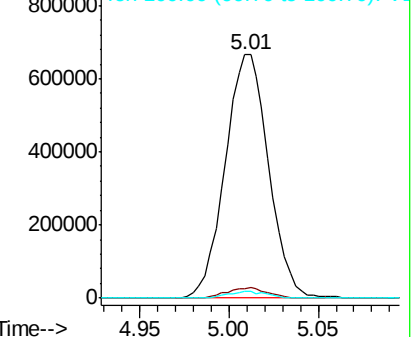
63 100

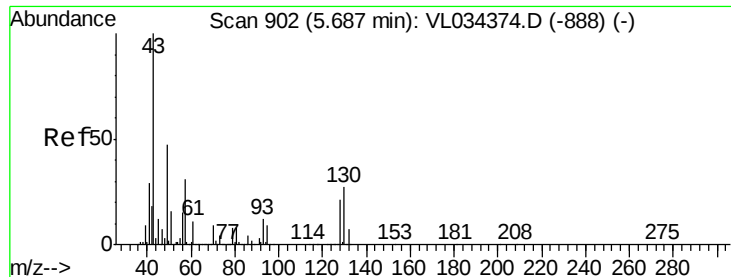
98 3.8 1.9 5.7

100 2.8 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





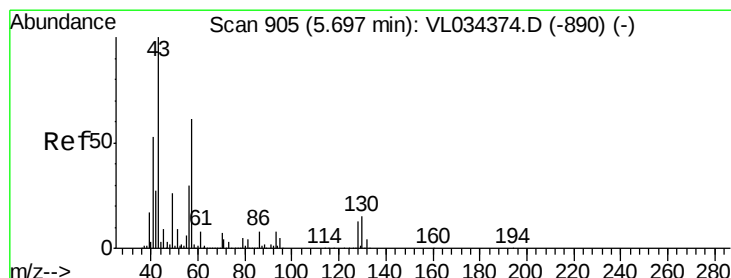
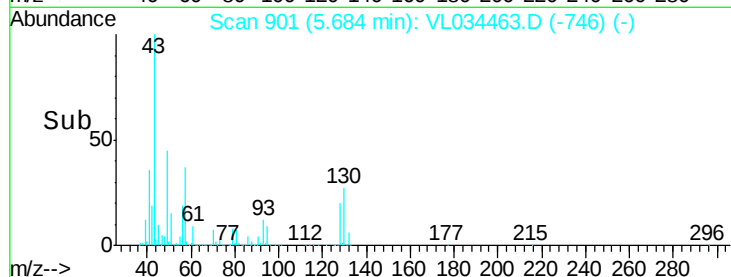
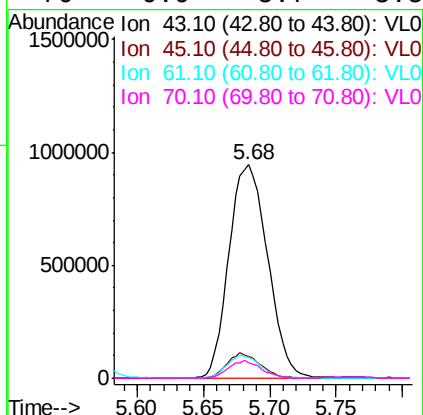
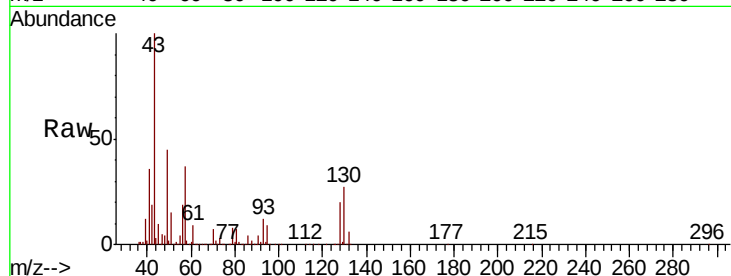
#25
Ethyl Acetate
Concen: 8.202 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.1	7.5	11.3
70	6.9	5.7	8.5

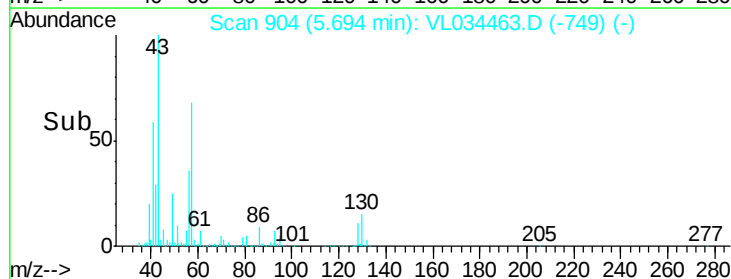
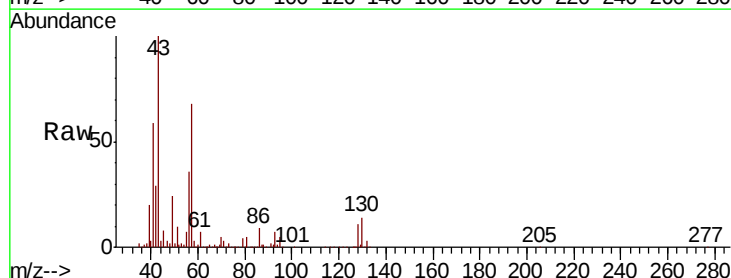
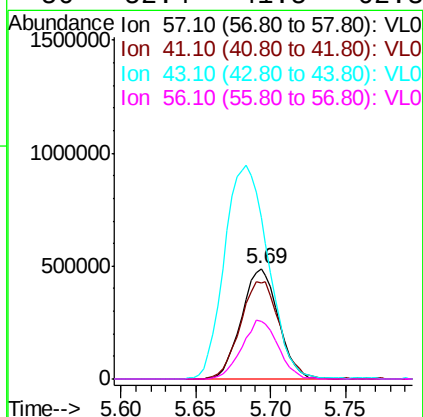
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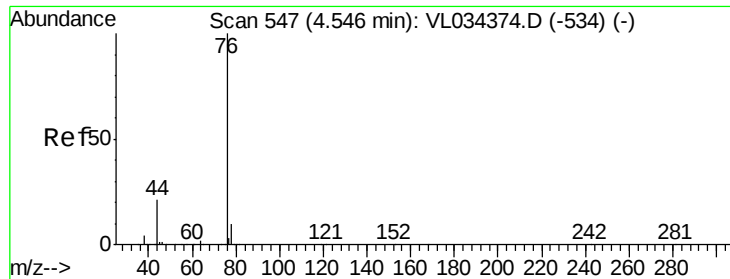
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#26
Hexane
Concen: 8.304 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
57	100		
41	95.0	75.0	112.4
43	230.7	186.6	279.8
56	52.4	41.5	62.3





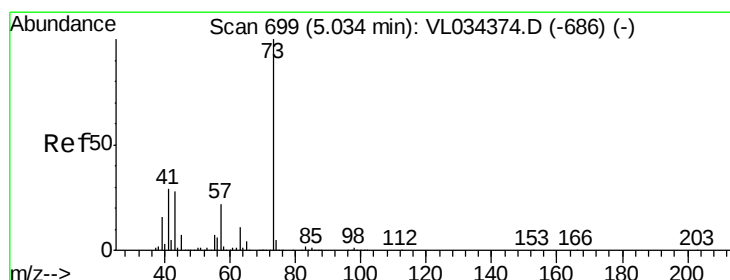
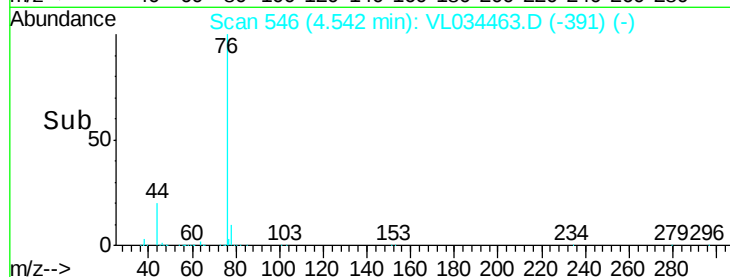
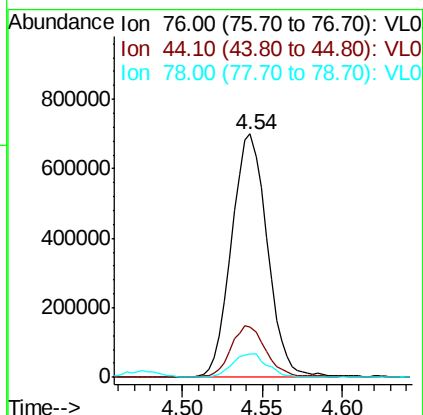
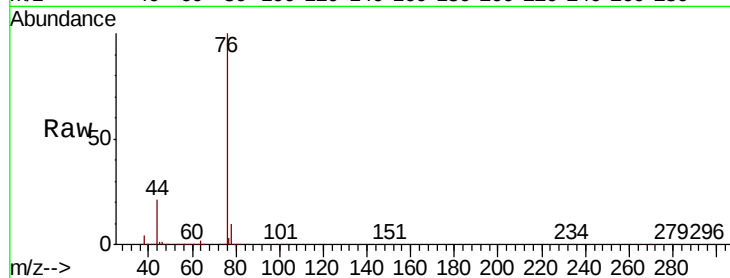
#27
Carbon Disulfide
Concen: 9.754 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1068229
Ion Ratio Lower Upper
76 100
44 20.9 17.0 25.4
78 9.8 7.6 11.4

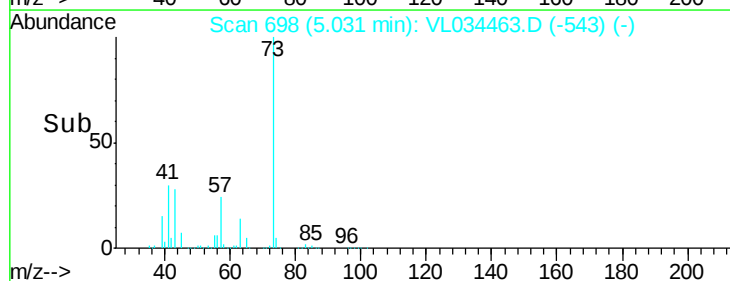
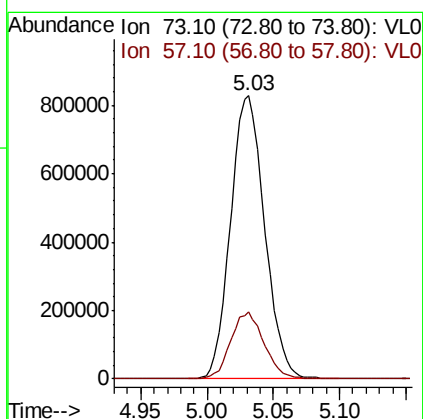
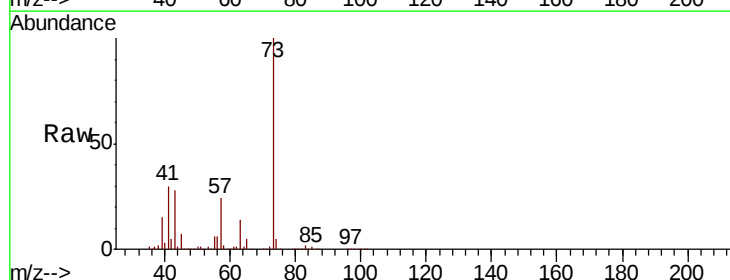
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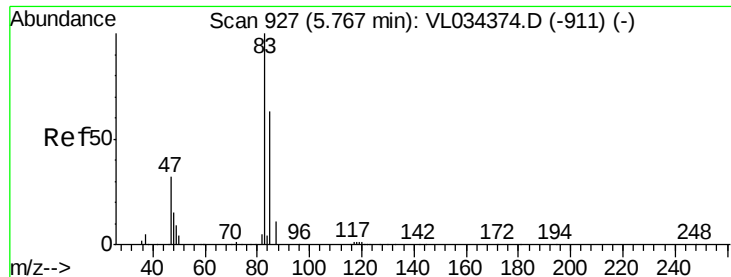
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#28
Methyl tert-Butyl Ether
Concen: 8.865 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 73 Resp: 1477946
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6





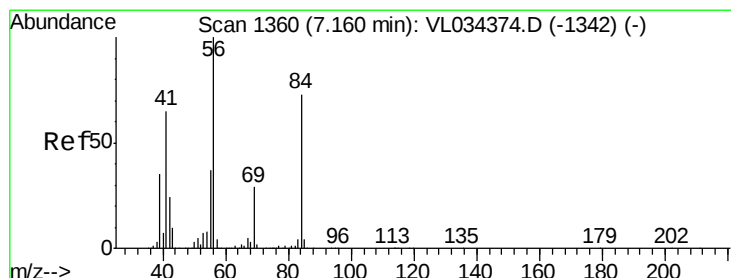
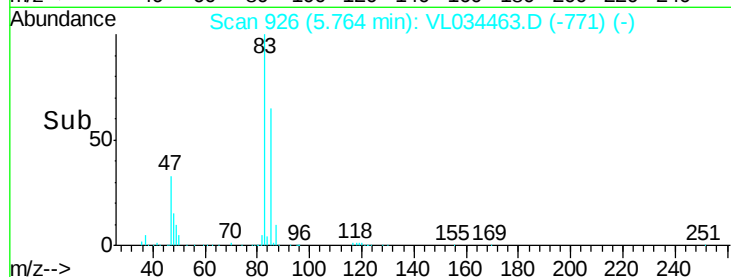
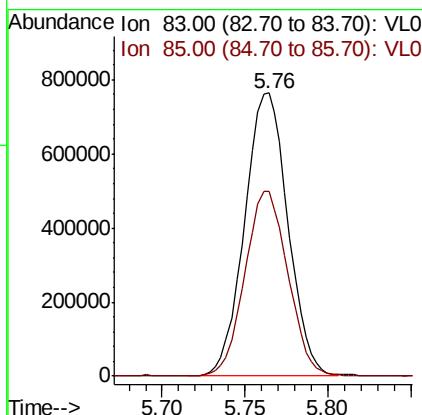
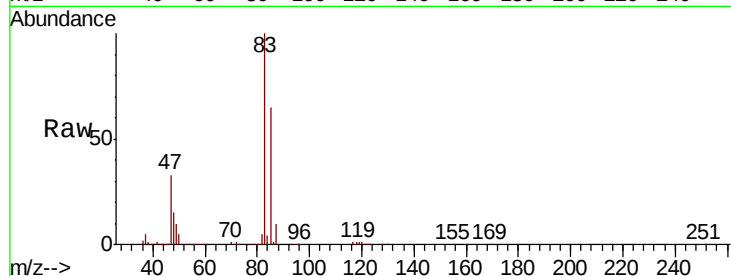
#29
Chloroform
Concen: 8.509 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1385498
Ion Ratio Lower Upper
83 100
85 65.3 50.4 75.6

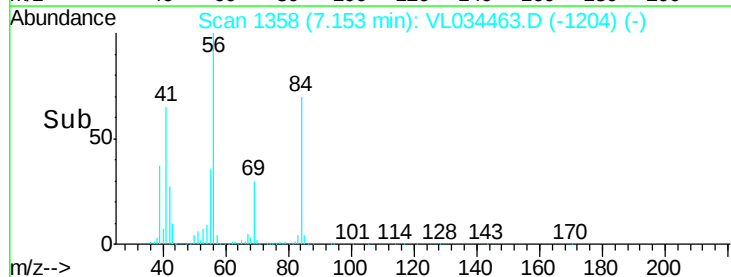
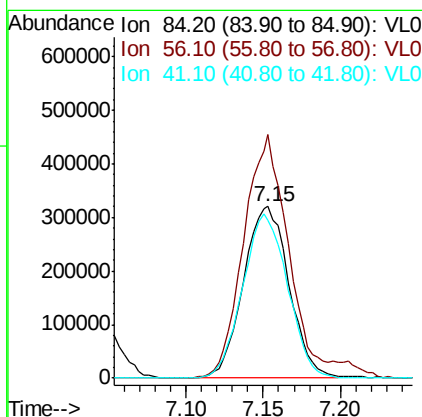
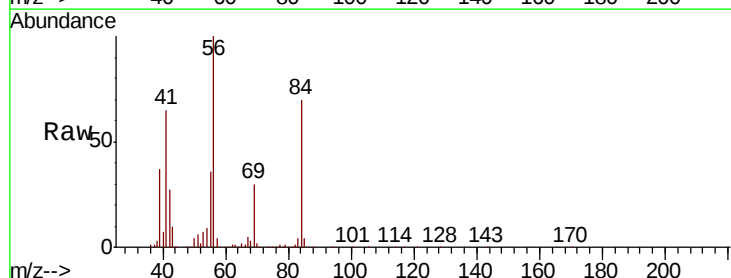
Manual Integrations
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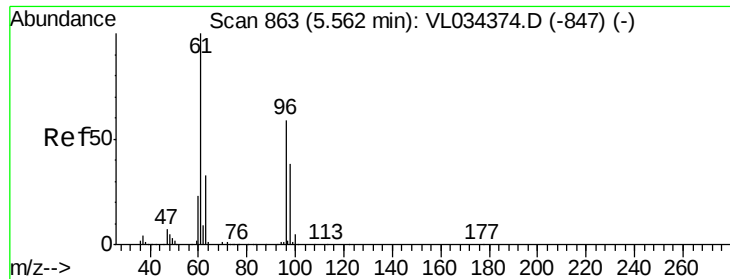
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#30
Cyclohexane
Concen: 8.603 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 84 Resp: 653940
Ion Ratio Lower Upper
84 100
56 144.9 112.6 169.0
41 95.1 73.4 110.2





#31

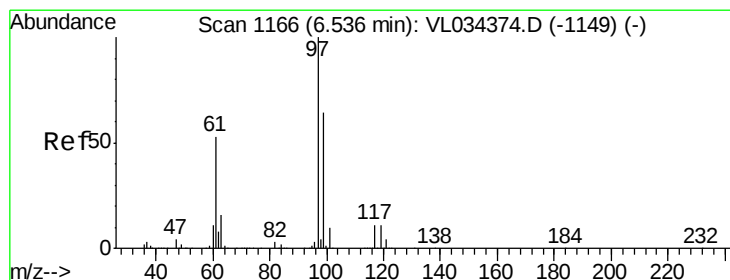
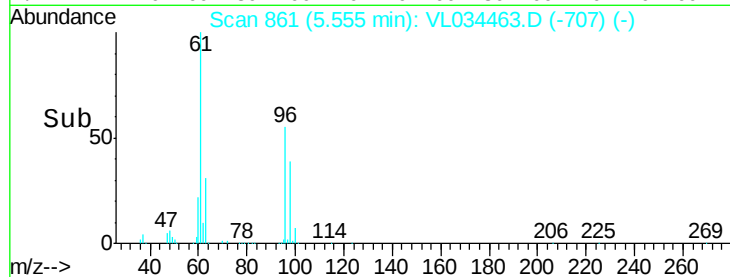
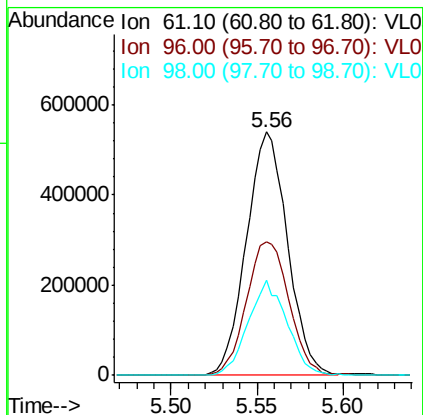
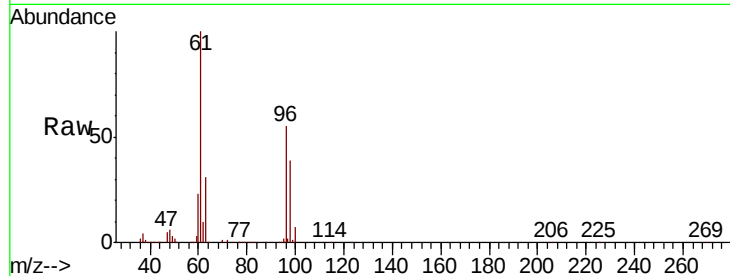
cis-1,2-Dichloroethene
 Concen: 8.616 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	54.8	47.4	71.2
98	39.3	30.6	45.8

Manual Integrations
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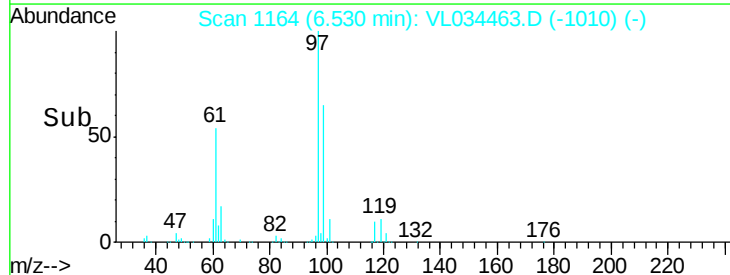
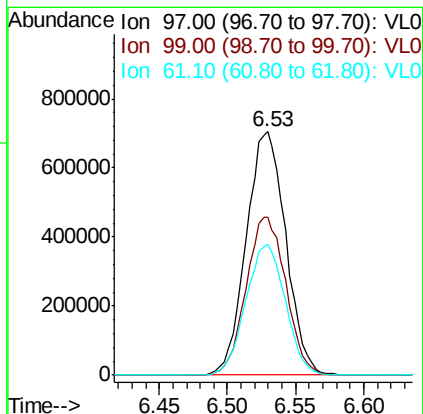
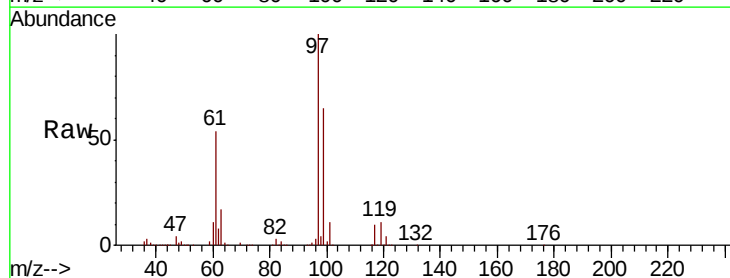
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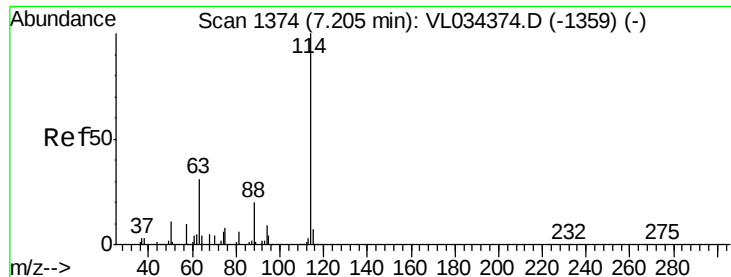


#32

1,1,1-Trichloroethane
 Concen: 9.281 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	53.9	43.7	65.5





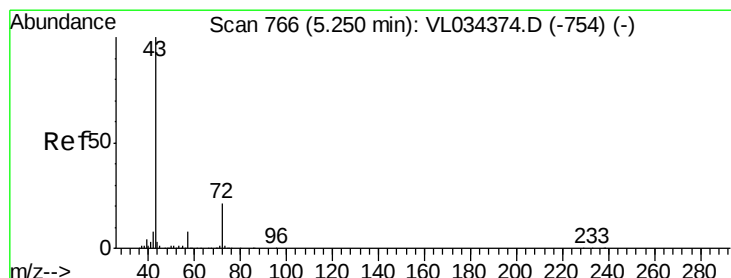
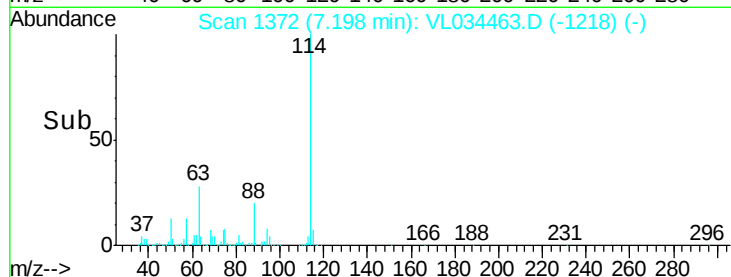
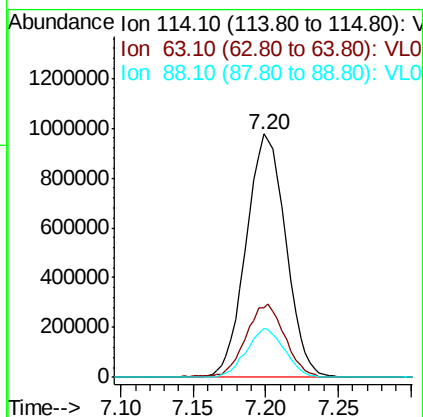
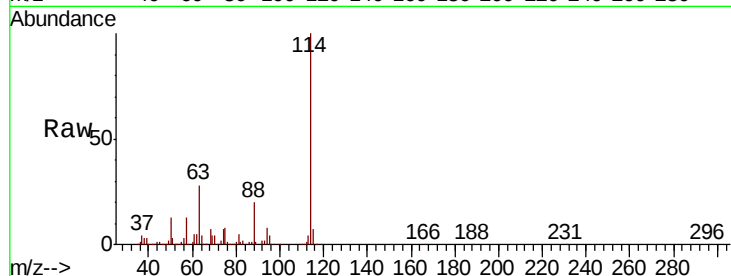
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.4	15.9	23.9

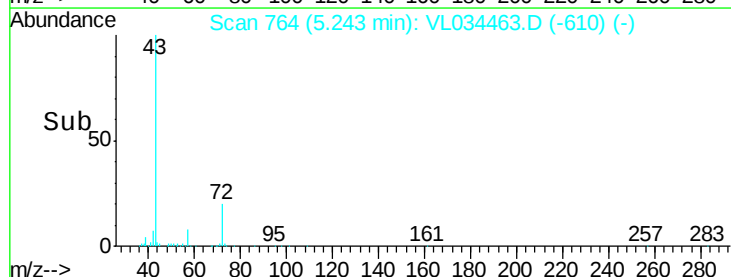
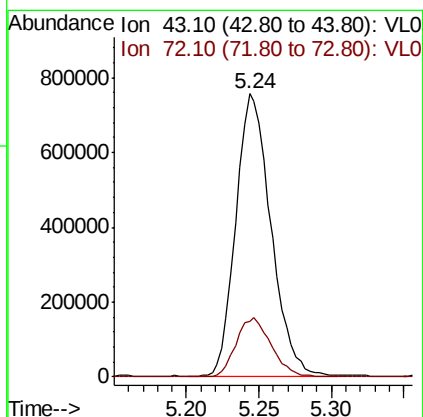
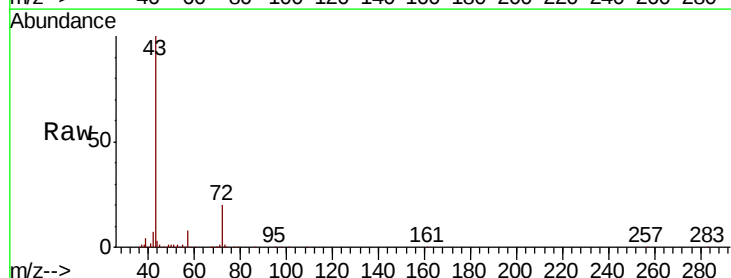
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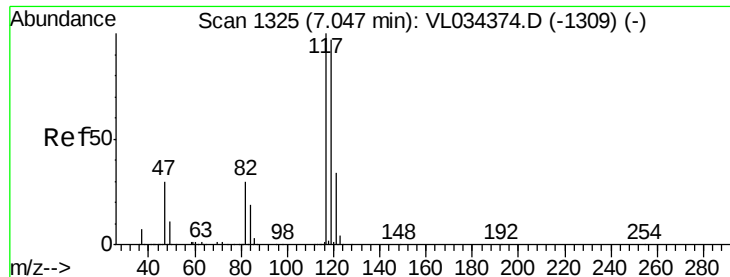
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#34
 2-Butanone
 Concen: 8.324 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	17.0	25.6





#35

Carbon Tetrachloride

Concen: 9.202 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

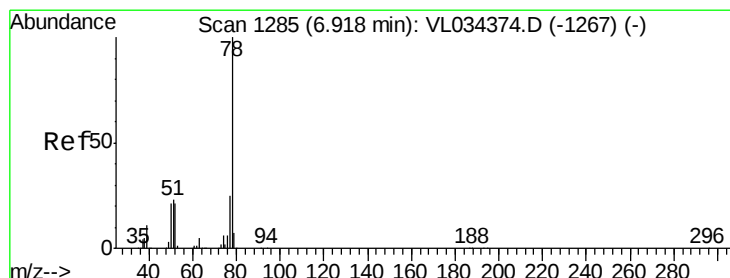
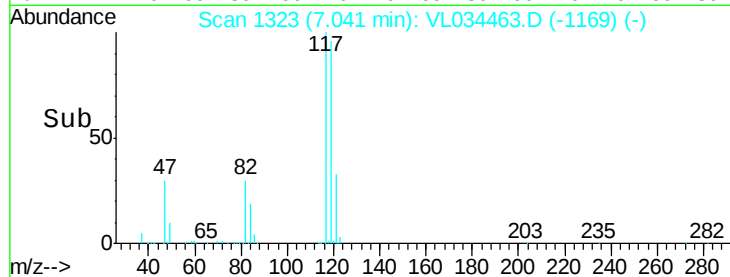
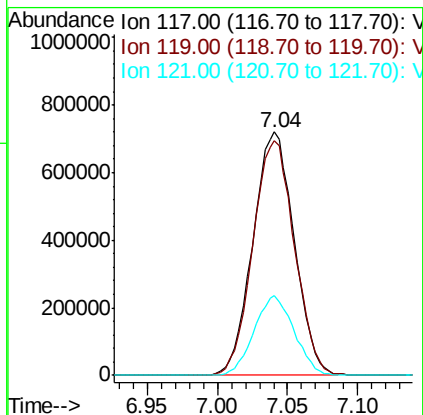
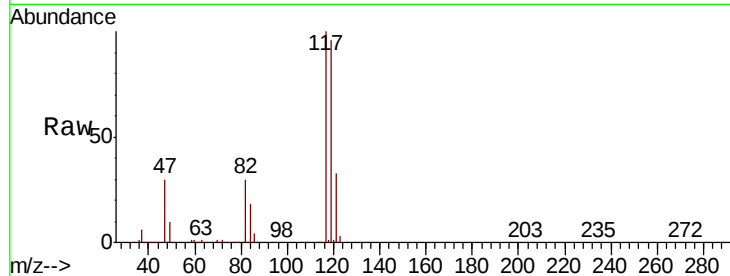
ClientSampleId :

VSTDCCC010

Tot Ion:	117	Resp:	1472861
Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.3	115.9
121	32.7	27.4	41.2

Manual Integrations
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#36

Benzene

Concen: 8.535 ppbv

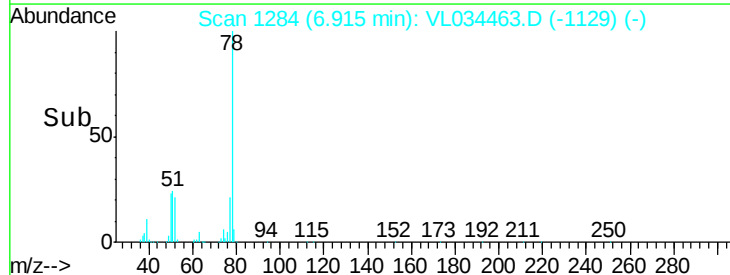
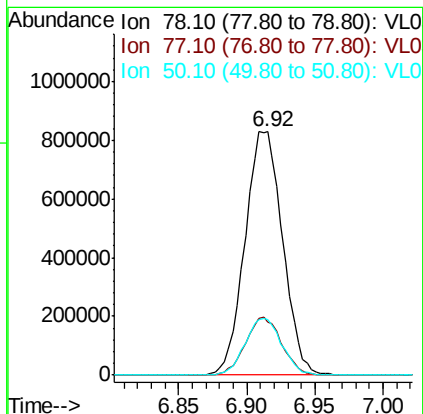
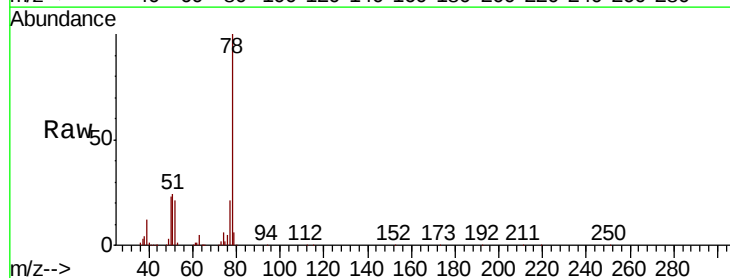
RT: 6.92 min Scan# 1284

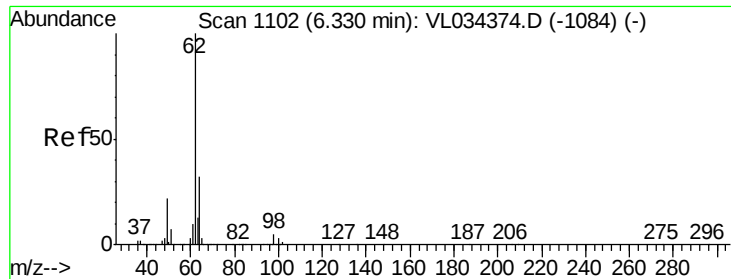
Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Tgt Ion:	78	Resp:	1588260
Ion	Ratio	Lower	Upper
78	100		
77	21.5	20.2	30.4
50	23.0	17.1	25.7





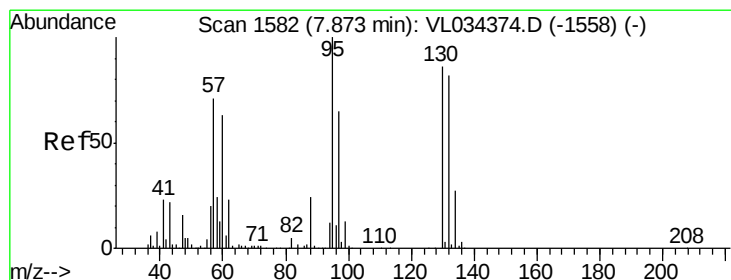
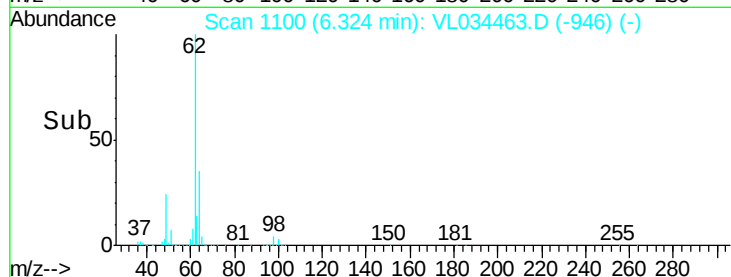
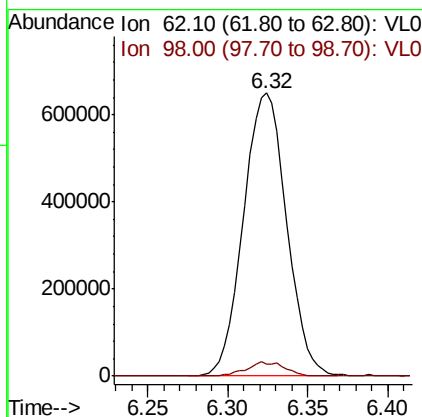
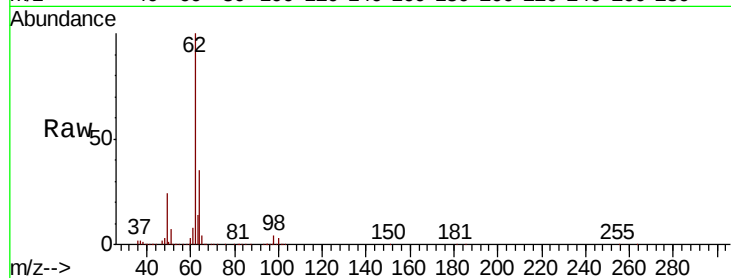
#37
 1,2-Dichloroethane
 Concen: 8.656 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1196709
 Ion Ratio Lower Upper
 62 100
 98 4.6 3.8 5.8

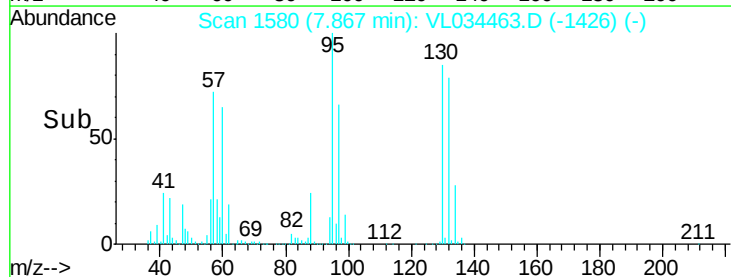
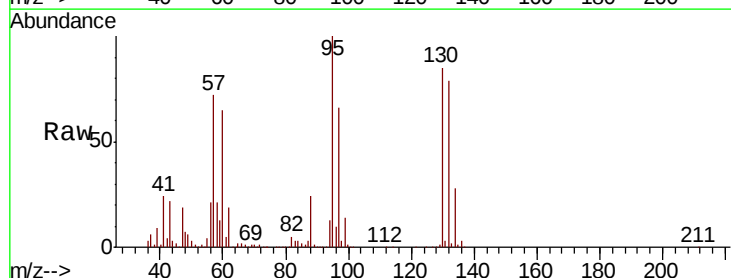
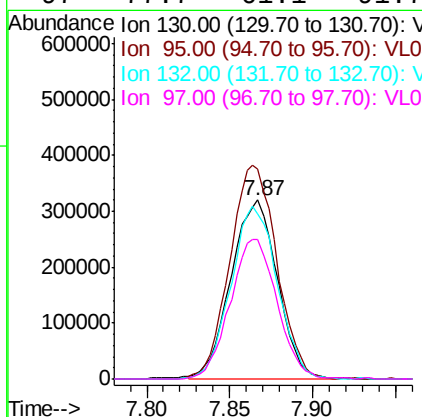
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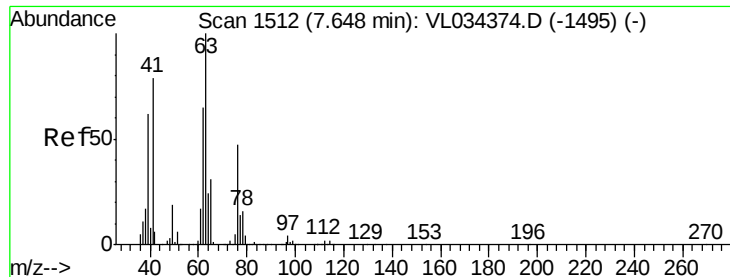
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#38
 Trichloroethene
 Concen: 8.086 ppbv
 RT: 7.87 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion: 130 Resp: 617487
 Ion Ratio Lower Upper
 130 100
 95 117.1 93.4 140.0
 132 92.3 76.4 114.6
 97 77.7 61.1 91.7





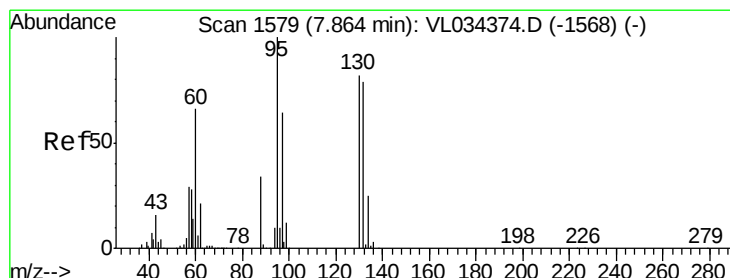
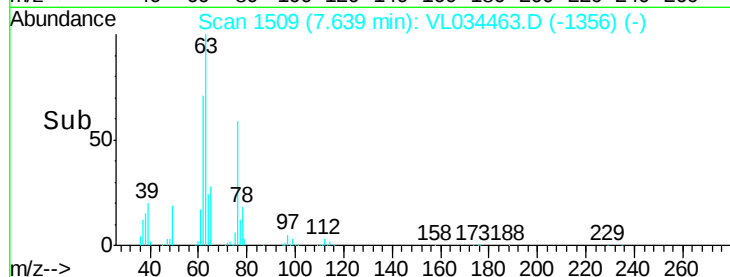
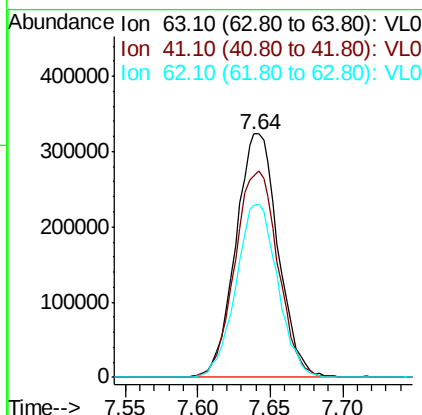
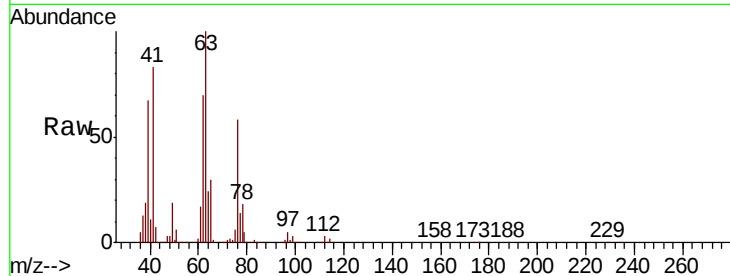
#39
 1,2-Dichloropropane
 Concen: 9.153 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	656255
Ion Ratio	Lower	Upper	
63	100		
41	82.6	63.1	94.7
62	70.3	52.3	78.5

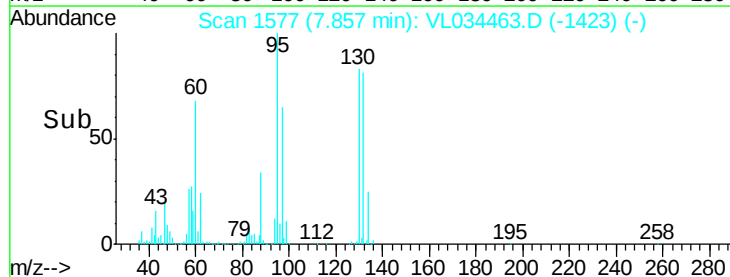
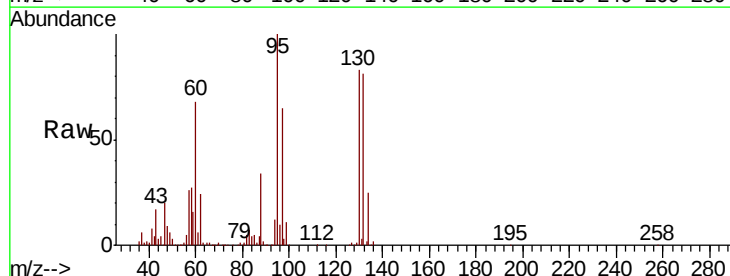
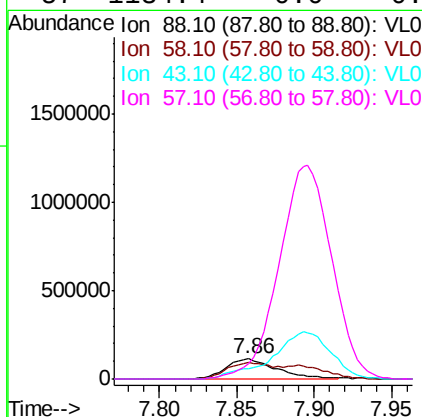
Manual Integrations
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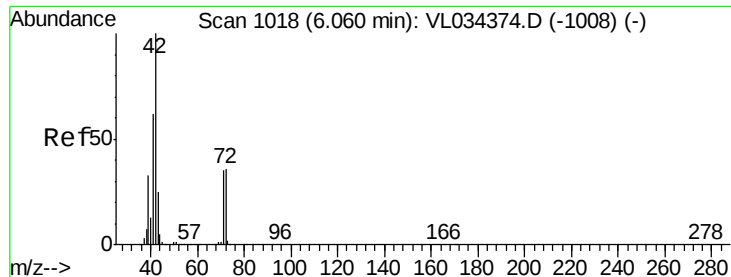
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#40
 1,4-Dioxane
 Concen: 8.122 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion:	88	Resp:	254361
Ion Ratio	Lower	Upper	
88	100		
58	134.3	109.5	164.3
43	276.2	0.0	0.0#
57	1134.4	0.0	0.0#





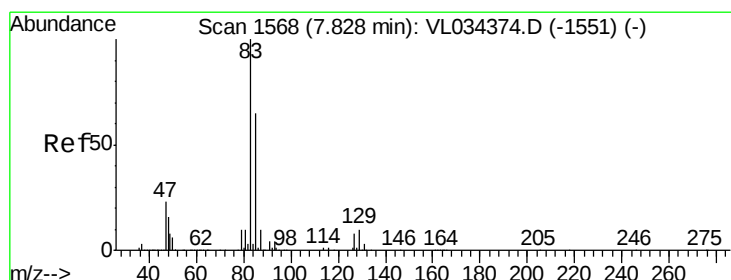
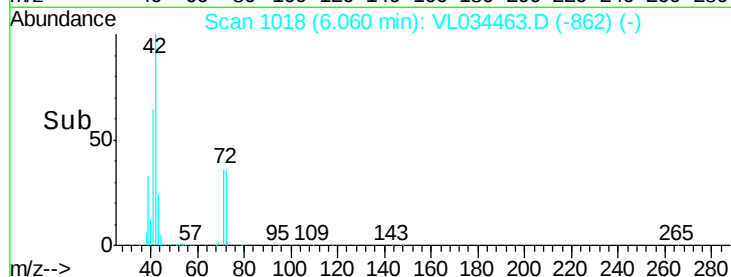
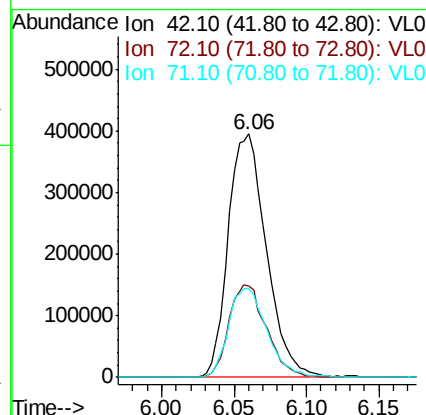
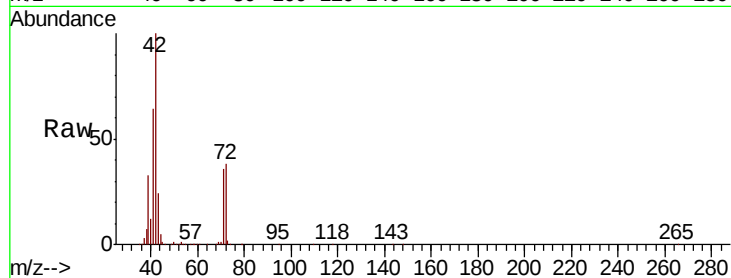
#41
Tetrahydrofuran
Concen: 8.361 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.4
71	37.3	29.4	44.2

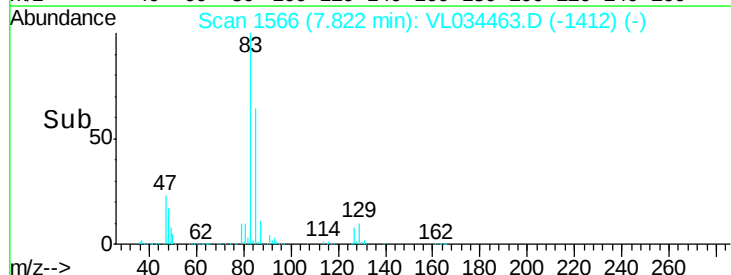
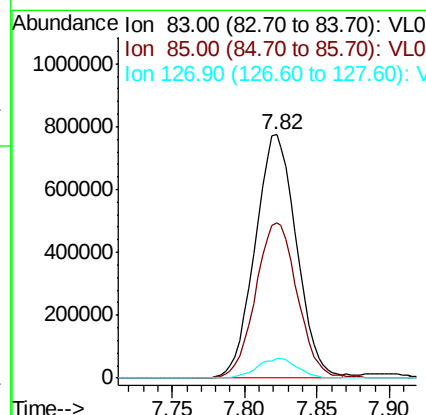
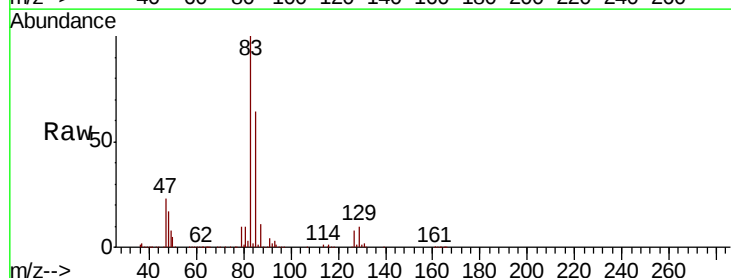
Manual Integrations
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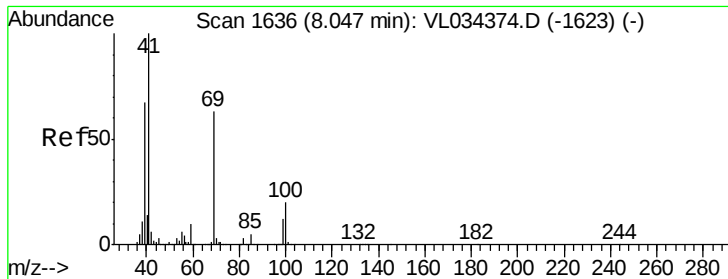
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#42
Bromodichloromethane
Concen: 8.903 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5
127	7.9	6.1	9.1





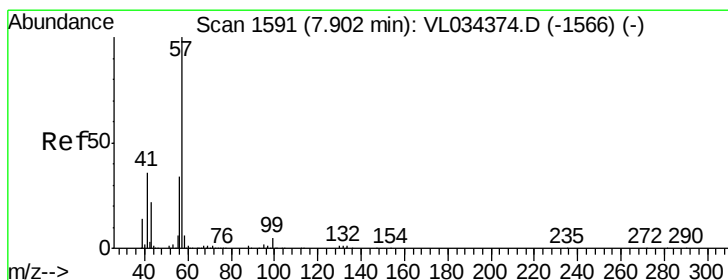
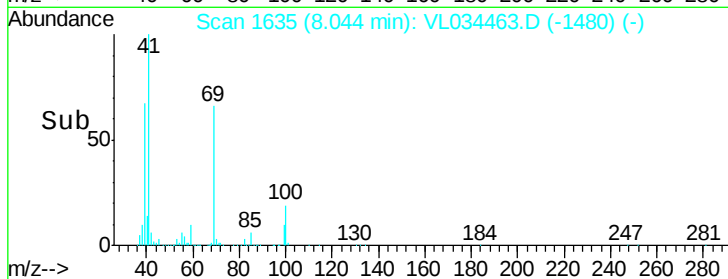
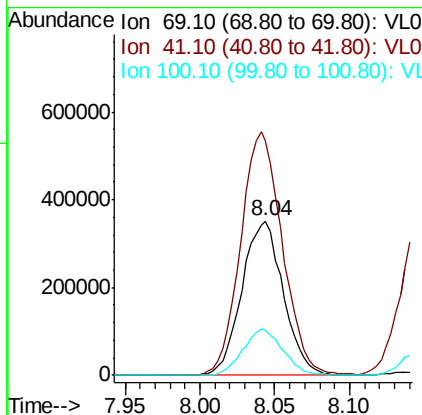
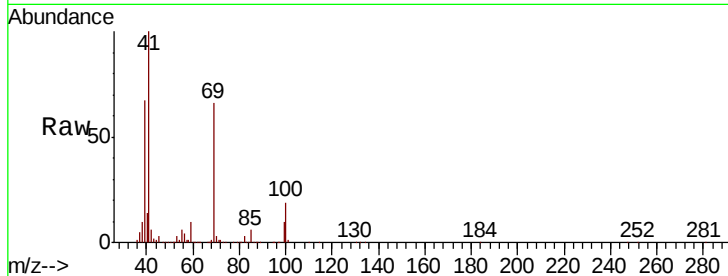
#43
Methvl Methacrylate
Concen: 8.768 ppbv
RT: 8.04 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	158.3	127.4	191.2	
100	29.3	24.2	36.4	

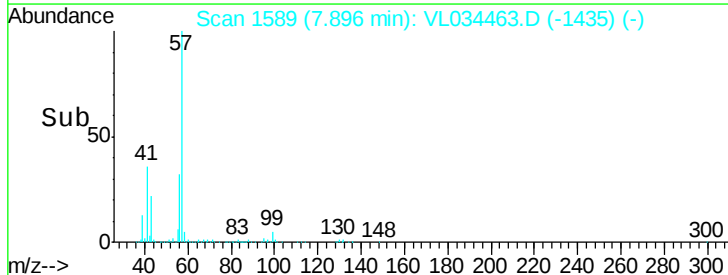
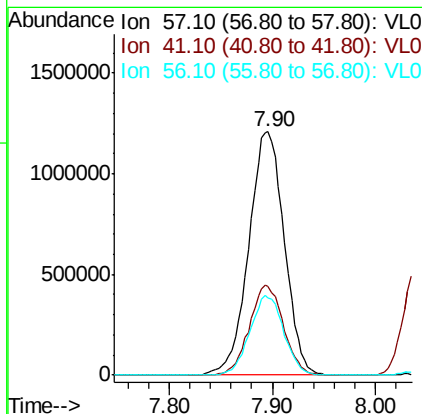
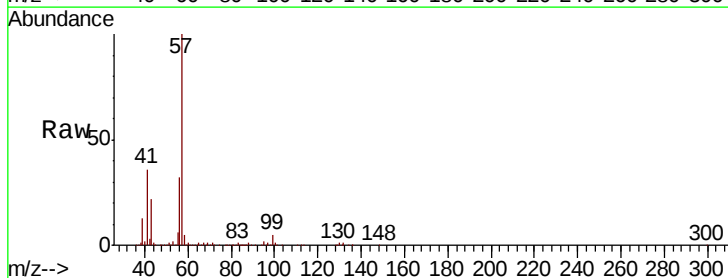
Manual Integrations
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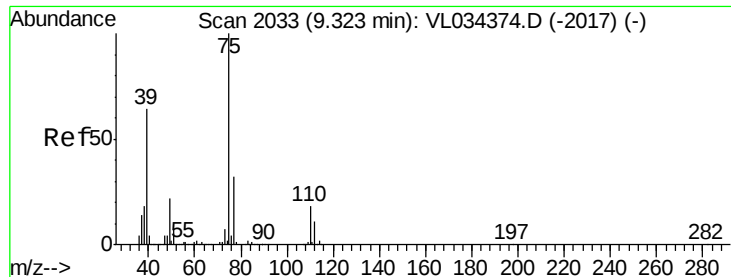
apatel
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#44
2,2,4-Trimethylpentane
Concen: 8.473 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	35.5	28.6	42.8	
56	31.2	25.3	37.9	





#45

t-1,3-Dichloropropene

Concen: 9.001 ppbv

RT: 9.32 min Scan# 2031

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 891021

Ion Ratio Lower Upper

75 100

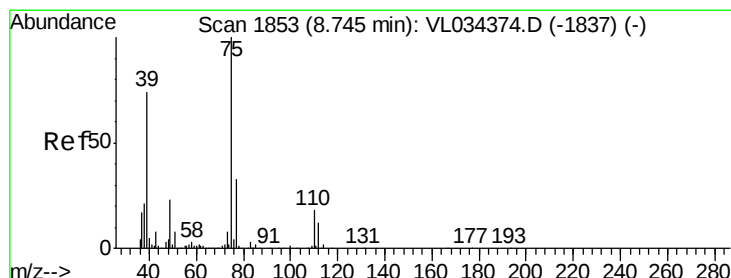
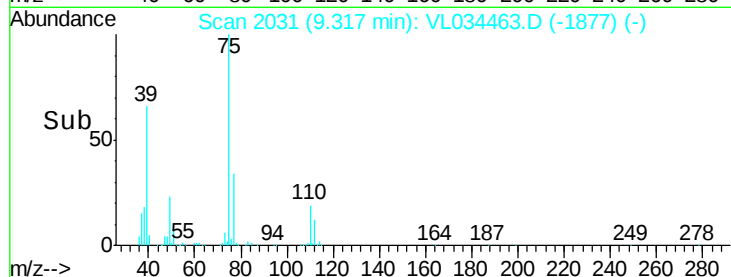
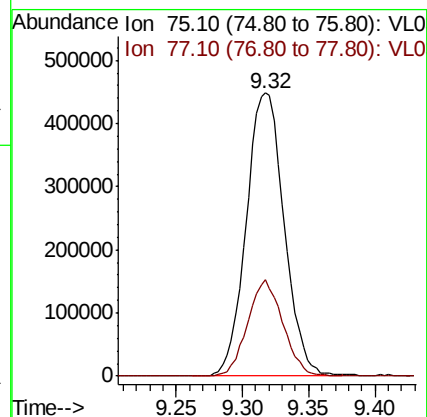
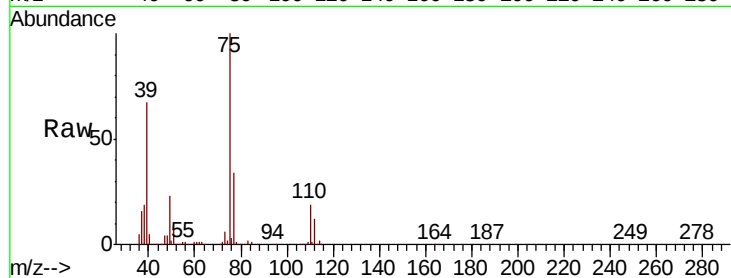
77 34.1 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 9.075 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

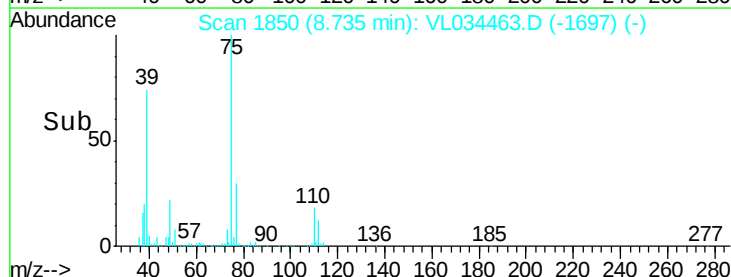
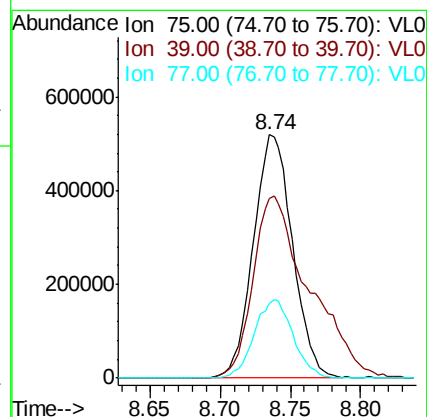
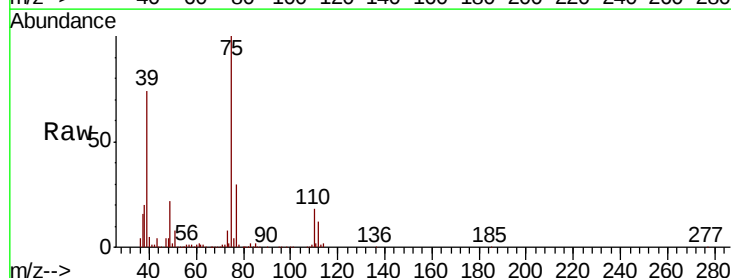
Tgt Ion: 75 Resp: 1009027

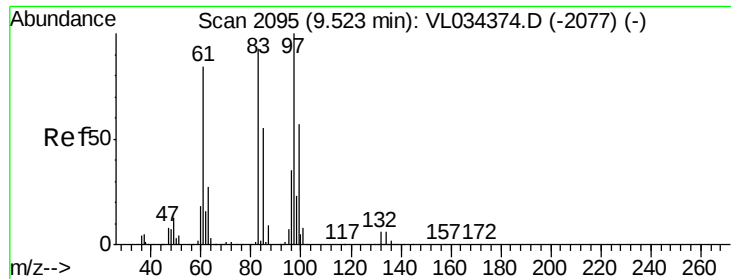
Ion Ratio Lower Upper

75 100

39 73.5 59.0 88.6

77 30.5 26.4 39.6





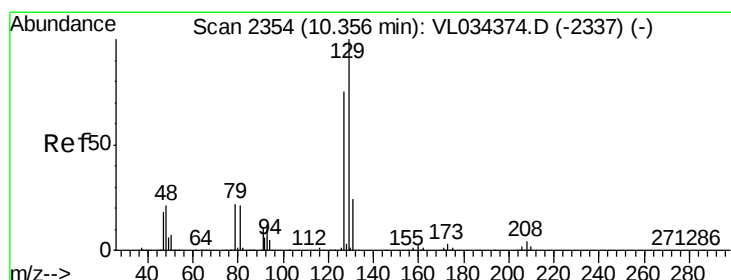
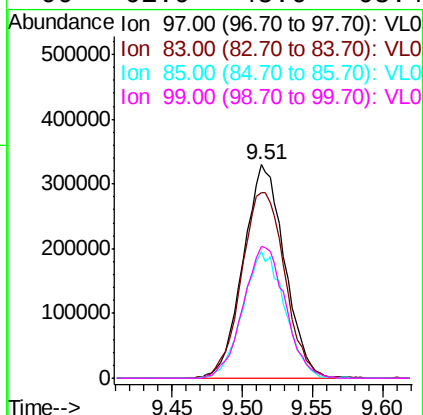
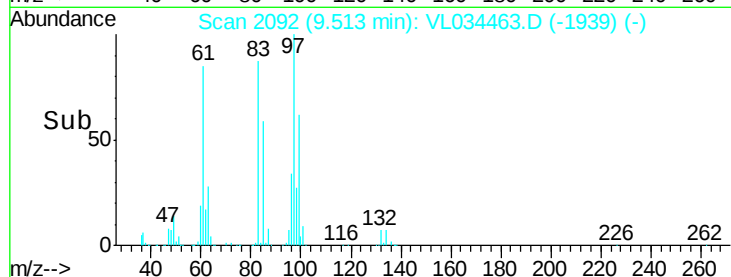
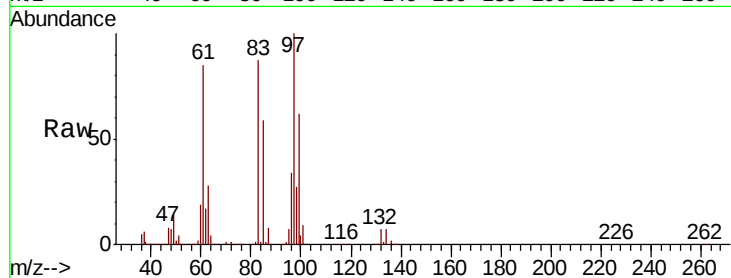
#47
 1,1,2-Trichloroethane
 Concen: 8.503 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.1	74.6	112.0
85	59.3	43.8	65.8
99	61.9	45.6	68.4

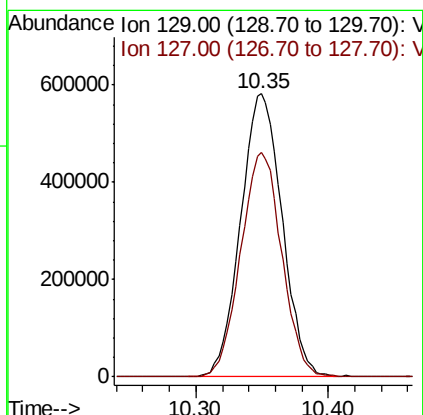
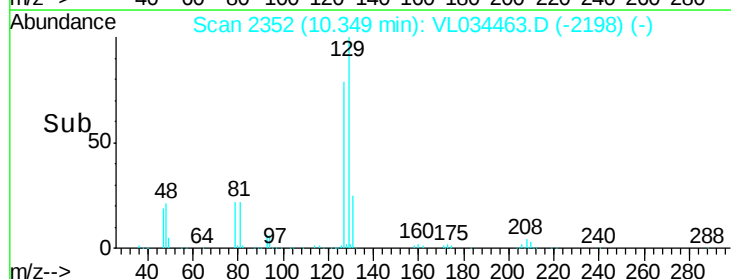
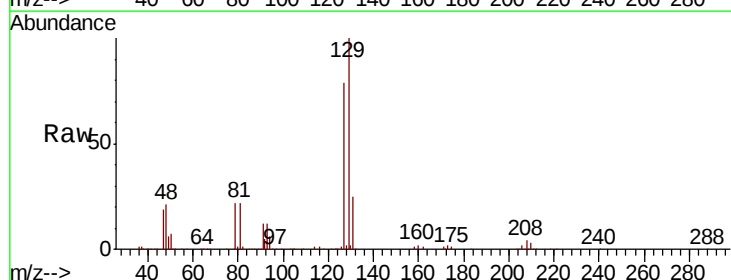
Manual Integrations
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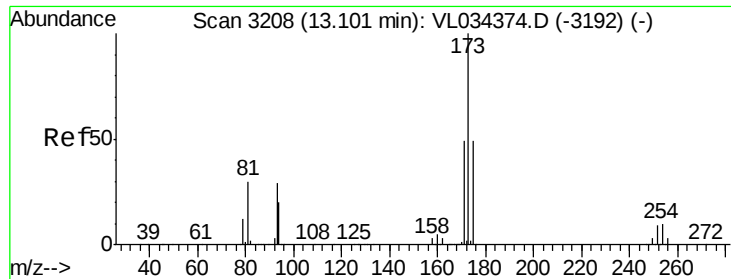
apatel
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#48
 Dibromochloromethane
 Concen: 9.220 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5





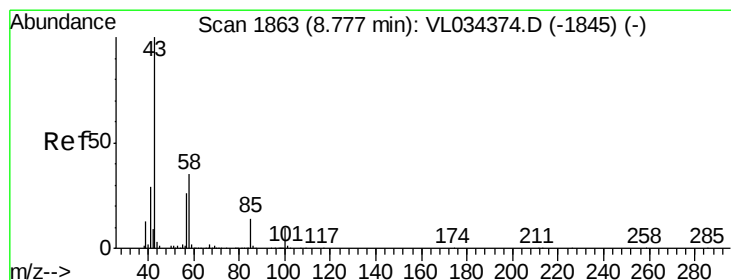
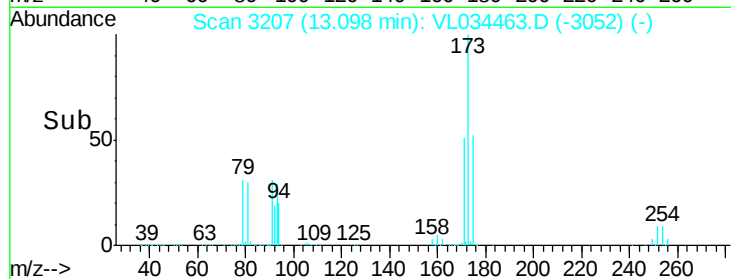
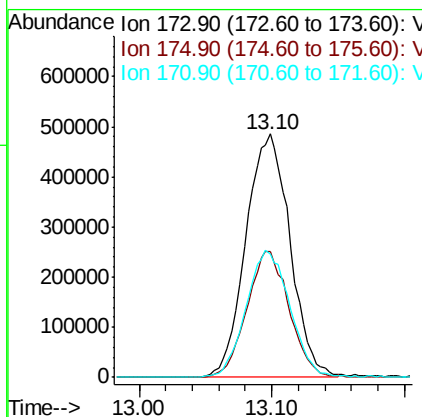
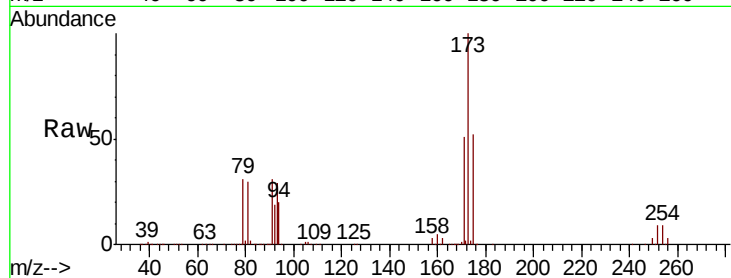
#49
Bromoform
Concen: 9.203 ppbv
RT: 13.10 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1124929
Ion Ratio Lower Upper
173 100
175 50.1 39.3 58.9
171 52.2 42.4 63.6

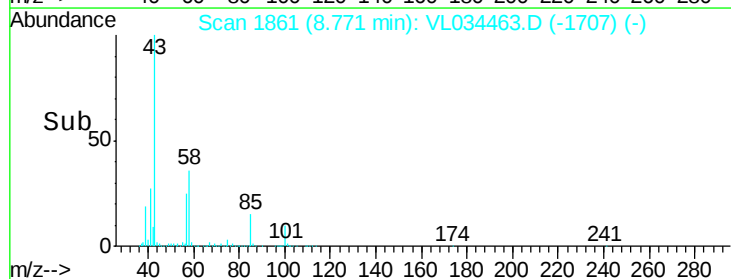
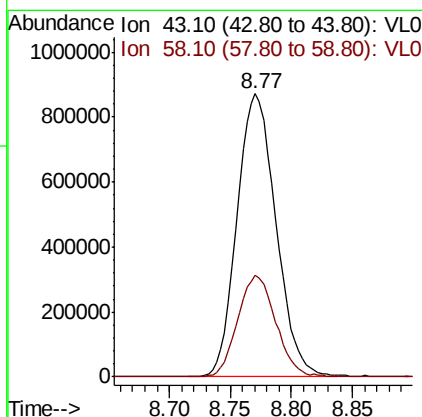
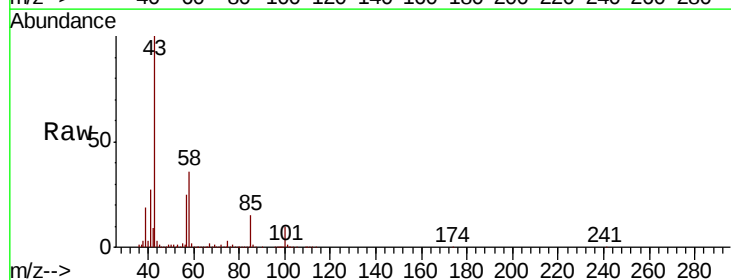
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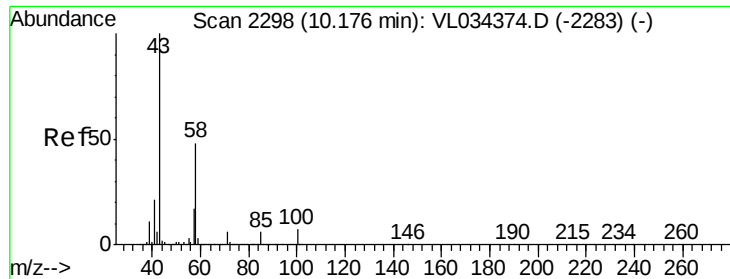
apatel
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#50
4-Methyl-2-Pentanone
Concen: 8.666 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 43 Resp: 1921285
Ion Ratio Lower Upper
43 100
58 35.0 27.9 41.9





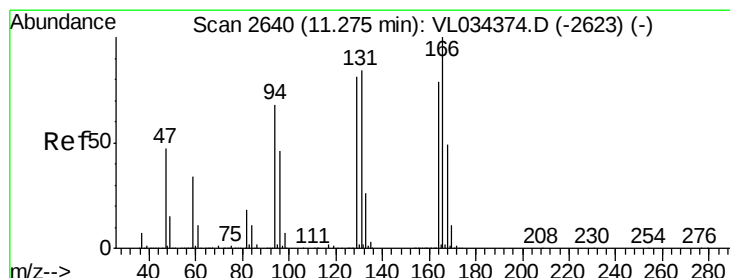
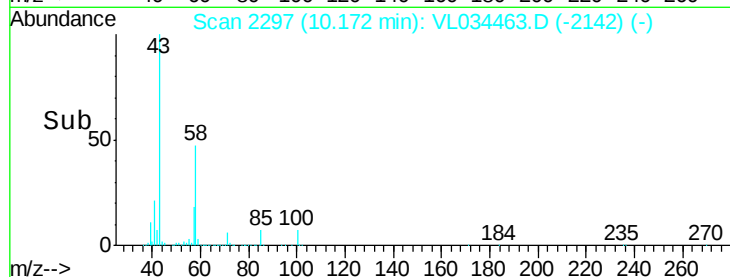
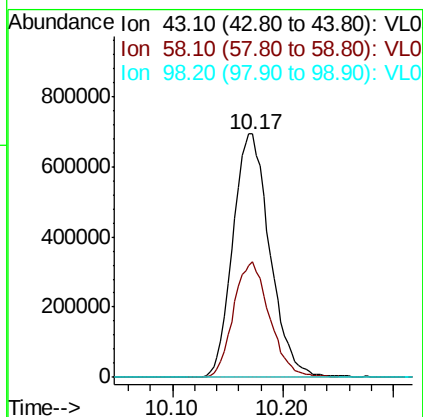
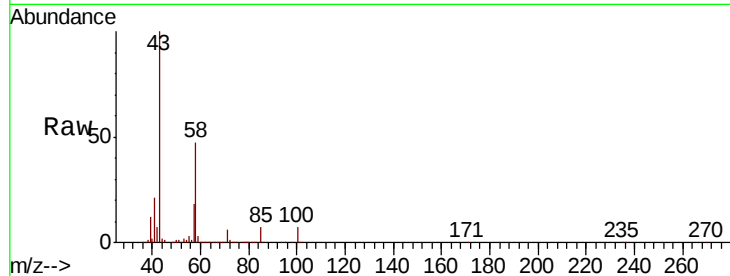
#51
2-Hexanone
Concen: 8.664 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1608948
Ion Ratio Lower Upper
43 100
58 46.6 38.2 57.4
98 0.2 0.2 0.2

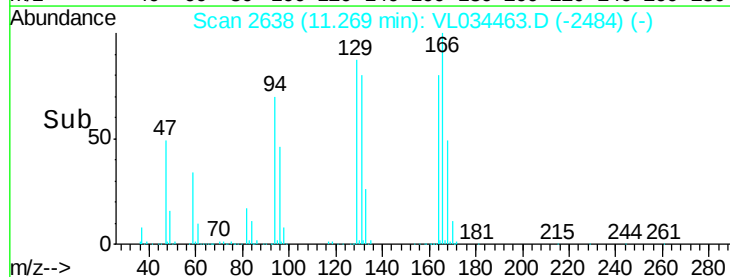
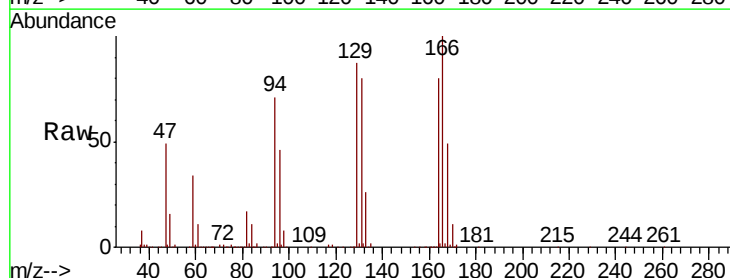
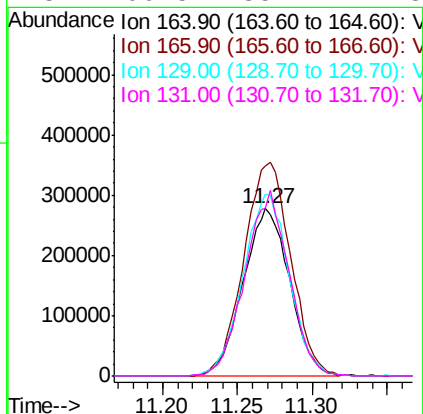
Manual Integrations
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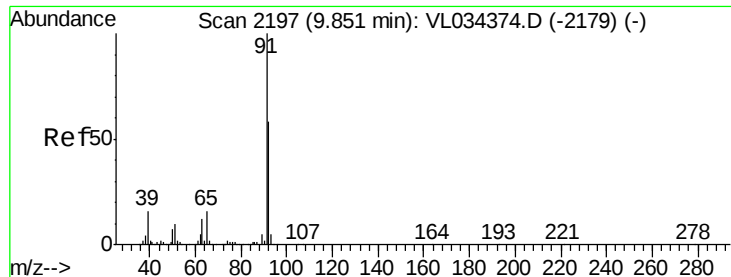
apatel
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#52
Tetrachloroethene
Concen: 7.418 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 164 Resp: 597258
Ion Ratio Lower Upper
164 100
166 125.6 101.7 152.5
129 108.8 82.6 123.8
131 100.5 85.2 127.8





#53

Toluene

Concen: 8.586 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 1815013

Ion Ratio Lower Upper

91 100

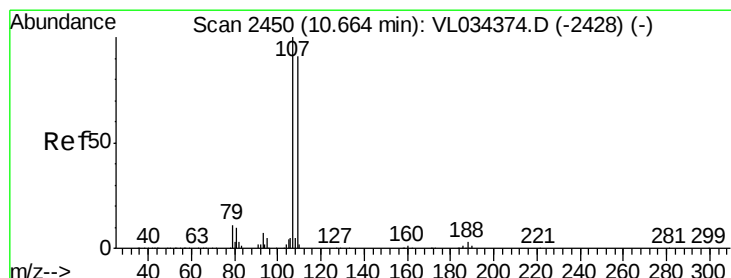
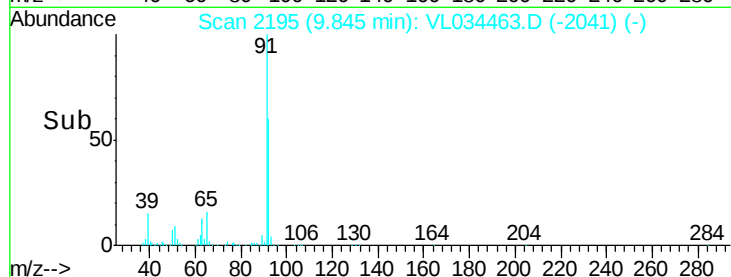
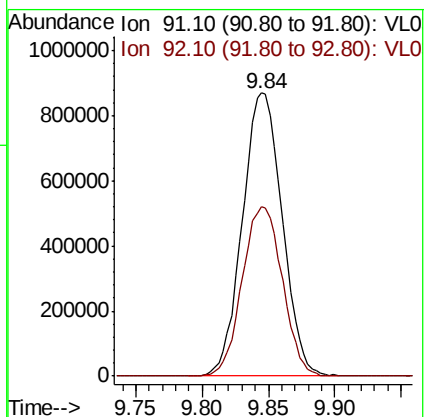
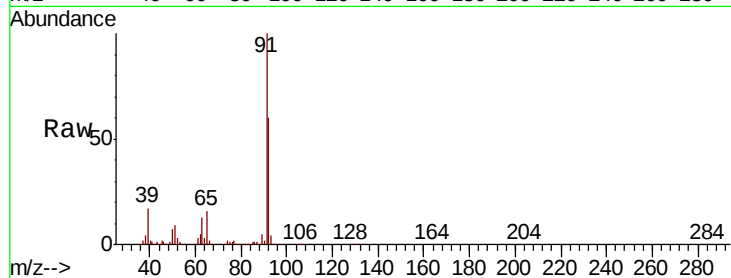
92 60.5 47.9 71.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 8.854 ppbv

RT: 10.66 min Scan# 2448

Delta R.T. -0.01 min

Lab File: VL034463.D

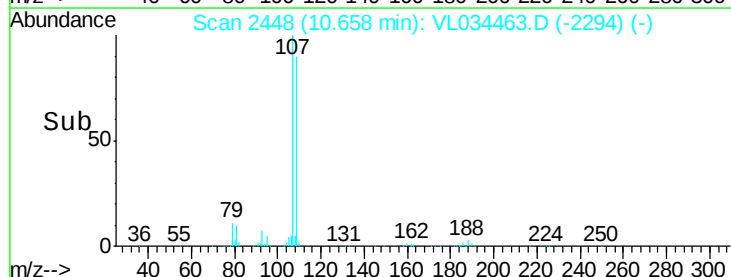
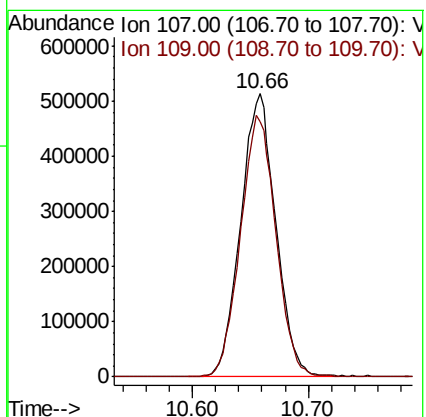
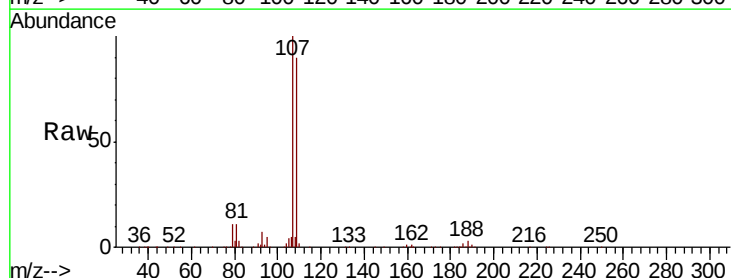
Acq: 9 Dec 2019 12:35

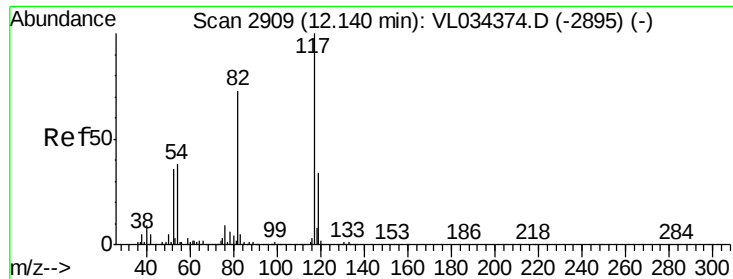
Tgt Ion: 107 Resp: 1082624

Ion Ratio Lower Upper

107 100

109 90.3 73.0 109.4





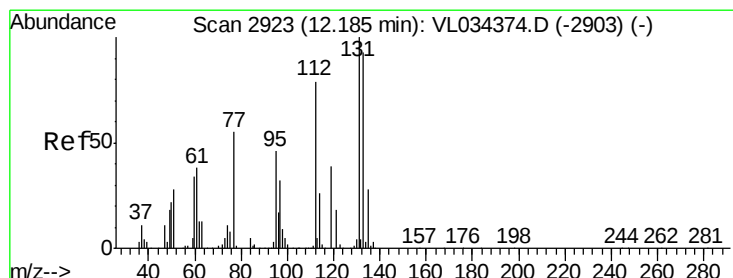
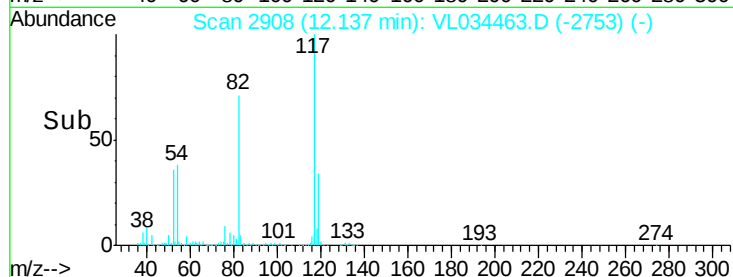
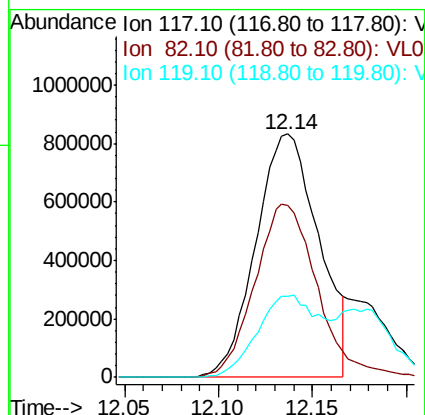
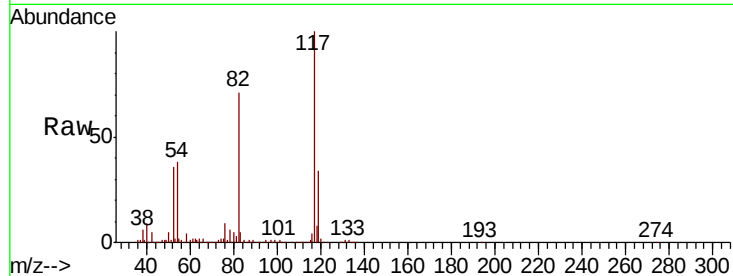
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 1936948
Ion Ratio Lower Upper
117 100
82 71.2 57.5 86.3
119 33.7 25.4 38.2

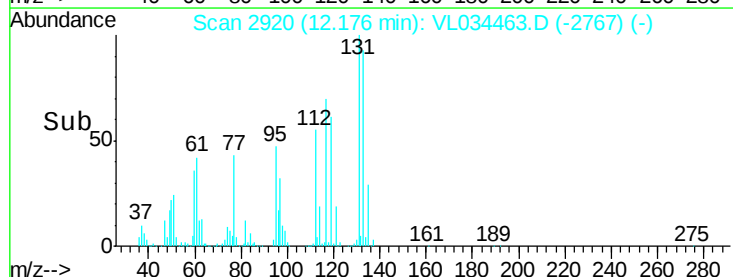
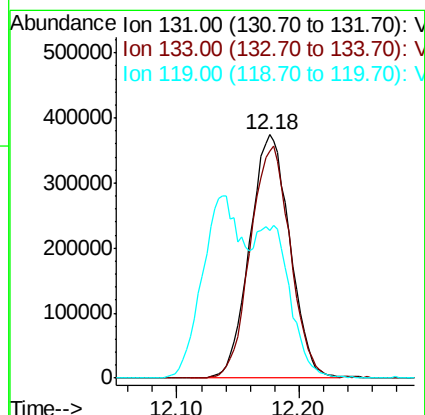
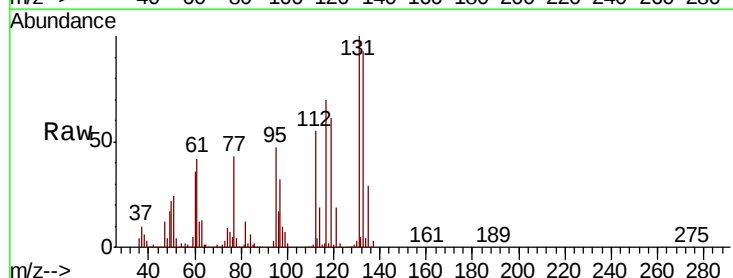
Manual Integrations
APPROVED

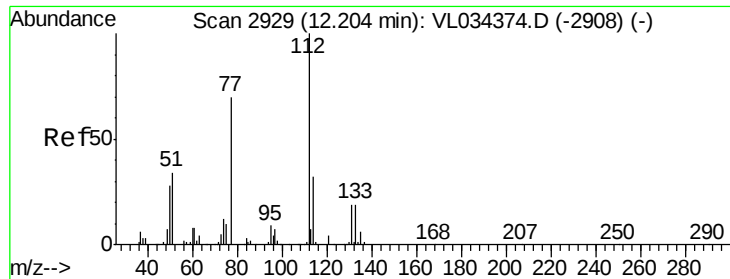
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.991 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion:131 Resp: 851876
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.2
119 132.5 44.6 67.0#





#57

Chlorobenzene

Concen: 7.995 ppbv

RT: 12.20 min Scan# 2927

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:112 Resp: 1399911

Ion Ratio Lower Upper

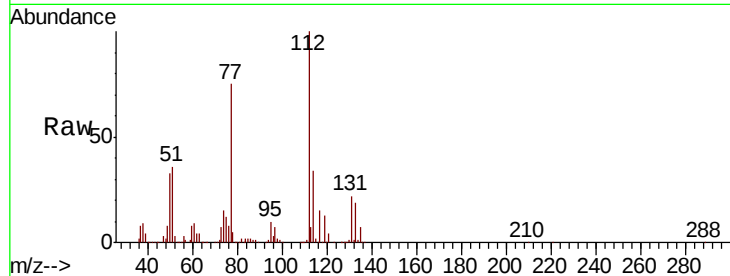
112 100

77 74.8 57.1 85.7

114 33.9 28.5 34.9

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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V

12.20

800000

600000

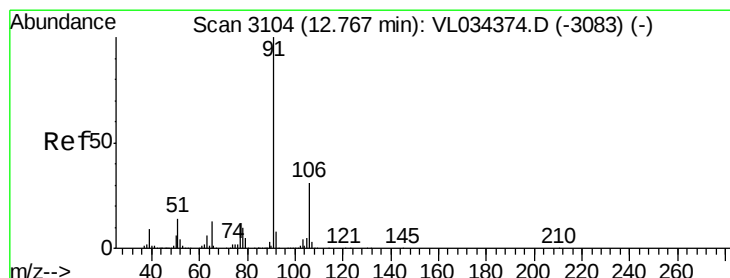
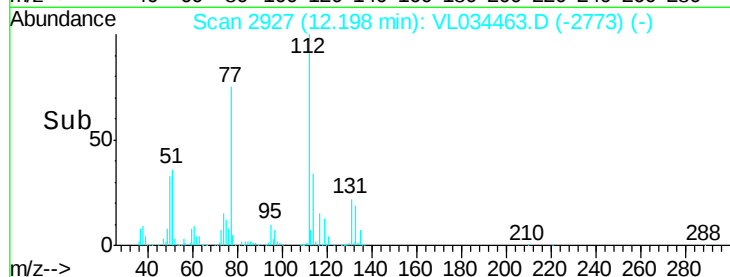
400000

200000

0

12.10 12.20 12.30

Time-->



#58

Ethyl Benzene

Concen: 8.486 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. -0.01 min

Lab File: VL034463.D

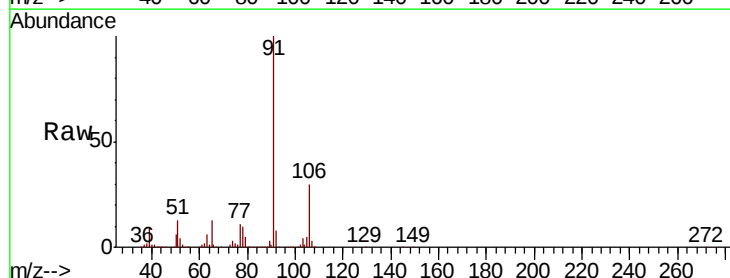
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 2550830

Ion Ratio Lower Upper

91 100

106 30.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.76

1200000

1000000

800000

600000

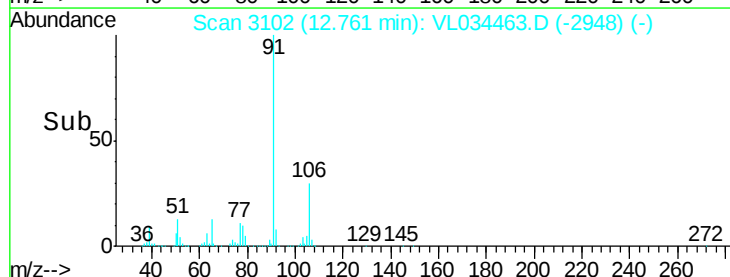
400000

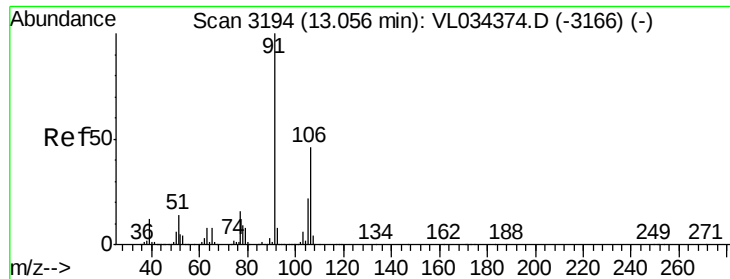
200000

0

12.70 12.80

Time-->





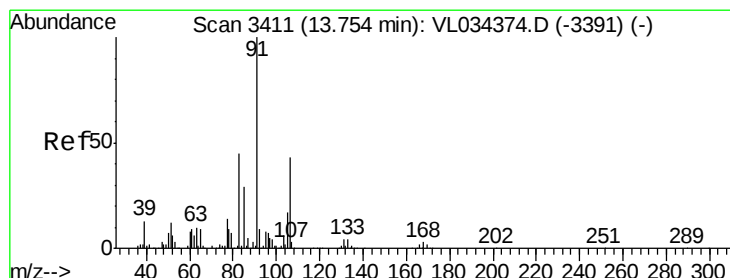
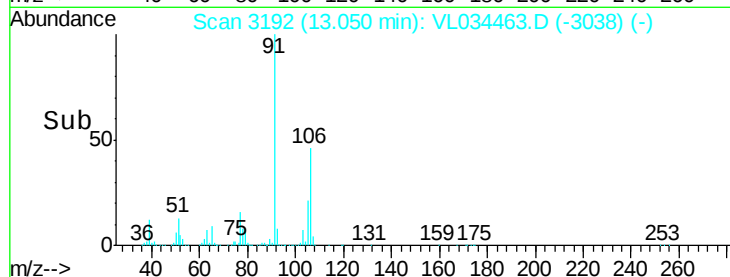
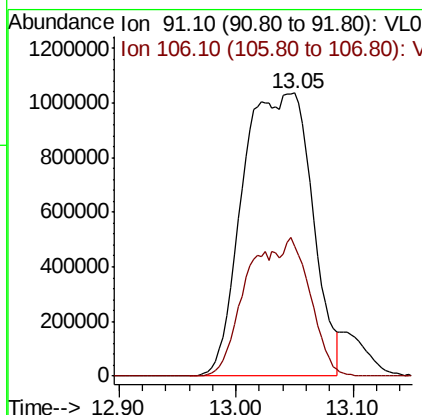
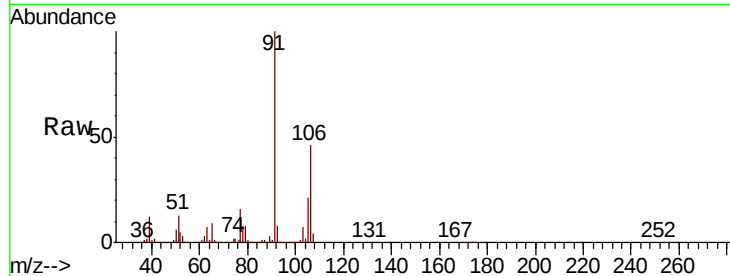
#59
m/p-Xylene
Concen: 16.311 ppbv m
RT: 13.05 min Scan# 3192
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4237994
Ion Ratio Lower Upper
91 100
106 44.2 34.6 51.8

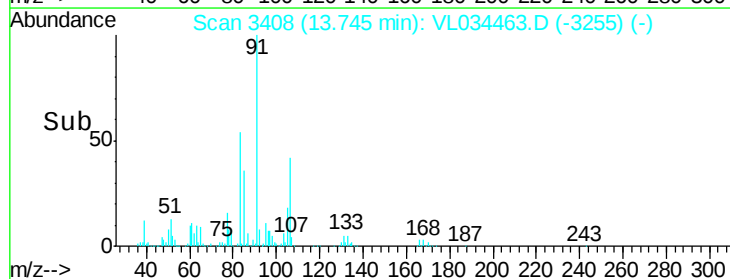
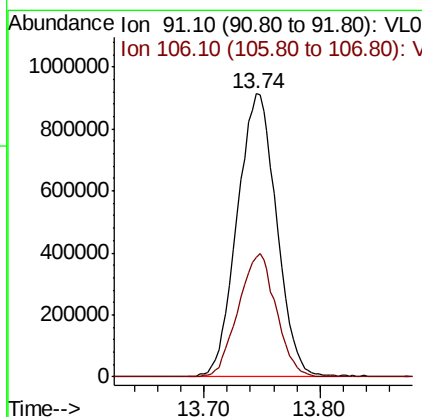
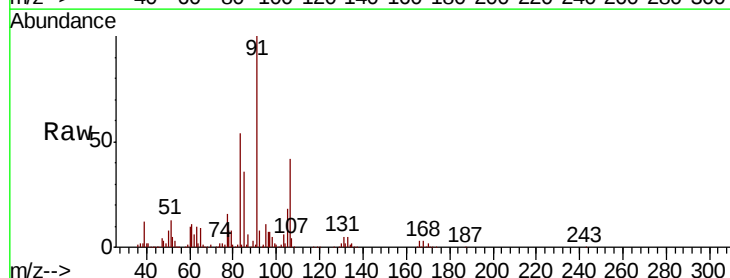
Manual Integrations
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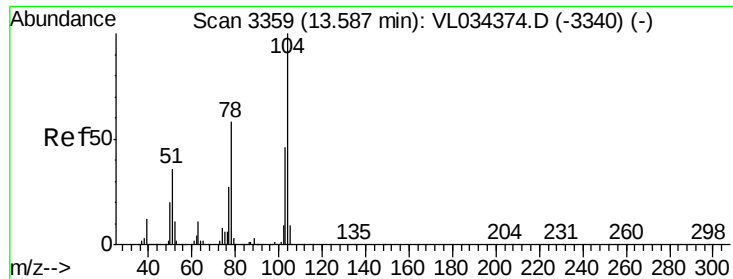
apatel
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#60
o-Xylene
Concen: 8.365 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion: 91 Resp: 2148975
Ion Ratio Lower Upper
91 100
106 42.0 21.3 64.0





#61

Stvrene

Concen: 8.147 ppbv

RT: 13.58 min Scan# 3357

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:104 Resp: 1509284

Ion Ratio Lower Upper

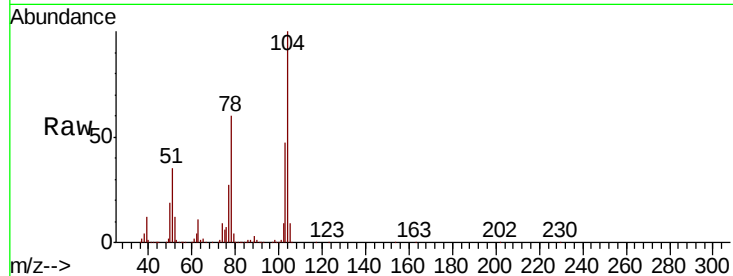
104 100

78 60.5 47.6 71.4

103 48.5 38.6 57.8

Manual Integrations
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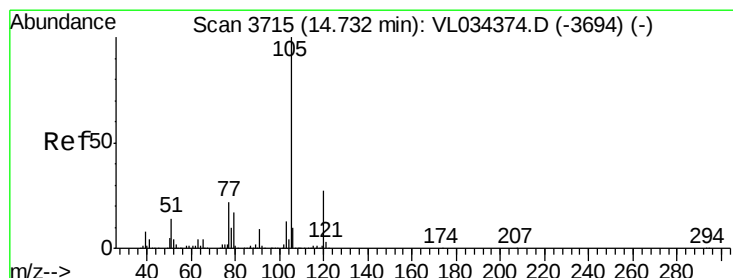
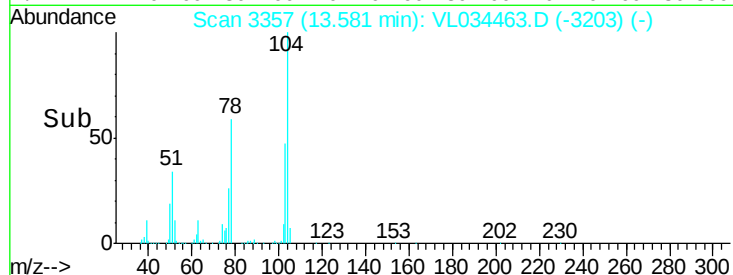
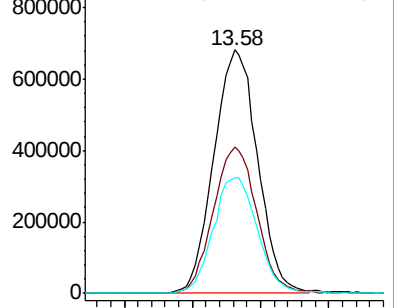
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.360 ppbv

RT: 14.72 min Scan# 3712

Delta R.T. -0.01 min

Lab File: VL034463.D

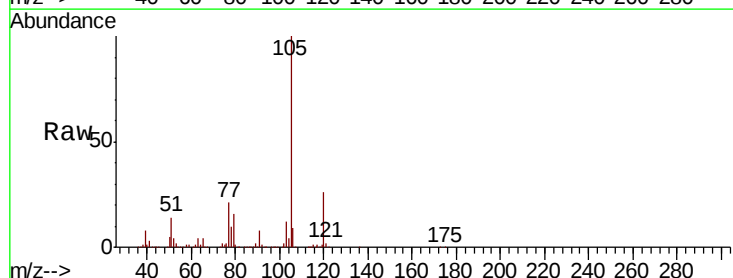
Acq: 9 Dec 2019 12:35

Tgt Ion:105 Resp: 2840617

Ion Ratio Lower Upper

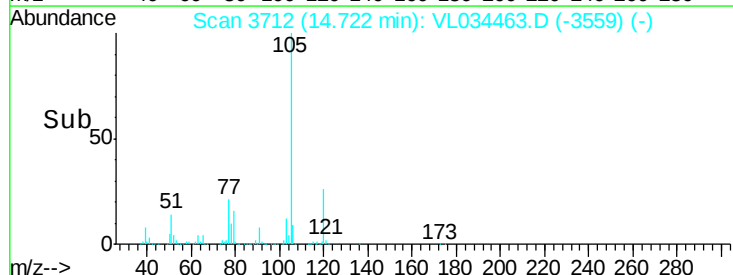
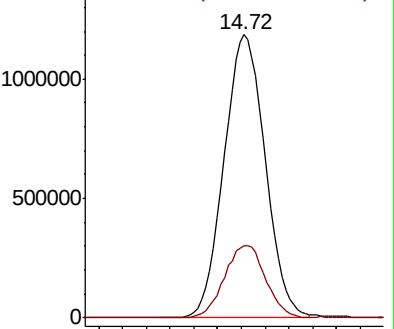
105 100

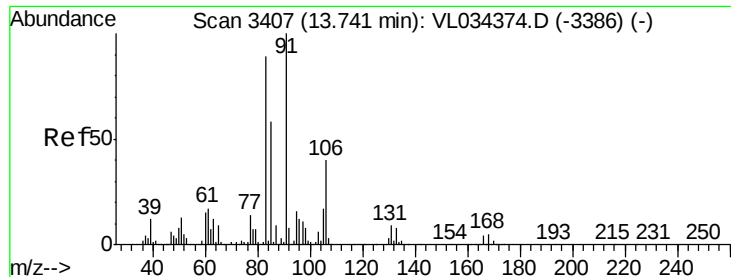
120 25.6 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.016 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1547882

Ion Ratio Lower Upper

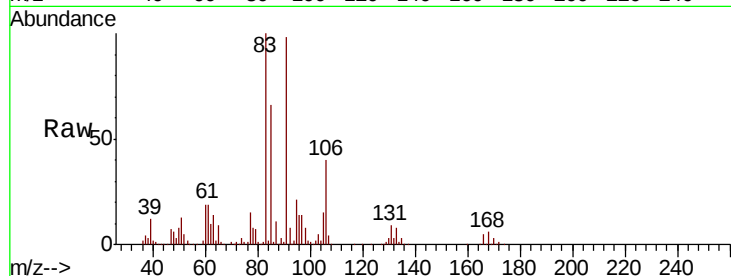
83 100

131 9.4 4.9 14.7

85 65.4 32.6 97.8

Manual Integrations
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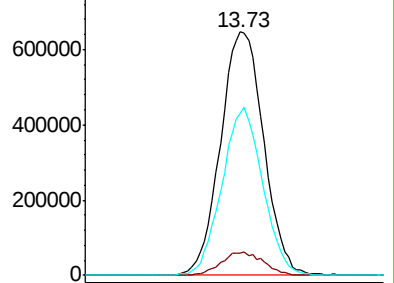
apatel
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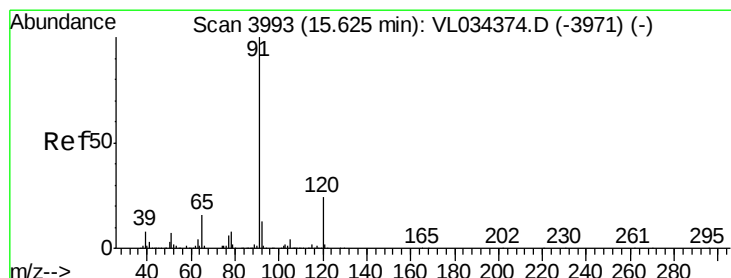
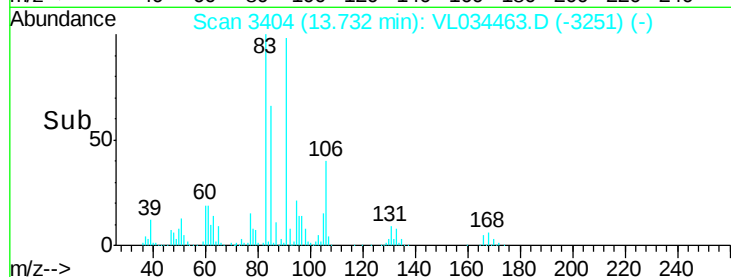
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 8.229 ppbv

RT: 15.62 min Scan# 3991

Delta R.T. -0.01 min

Lab File: VL034463.D

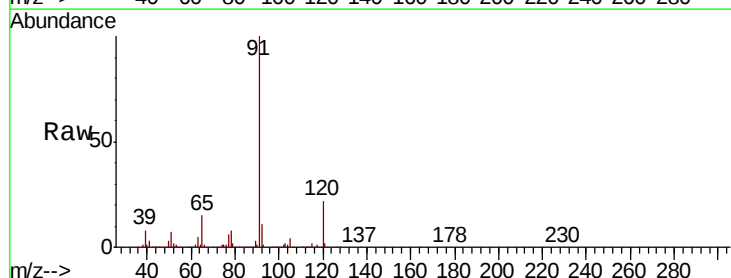
Acq: 9 Dec 2019 12:35

Tgt Ion: 120 Resp: 726077

Ion Ratio Lower Upper

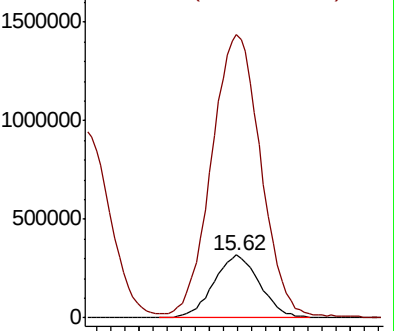
120 100

91 487.0 370.9 556.3

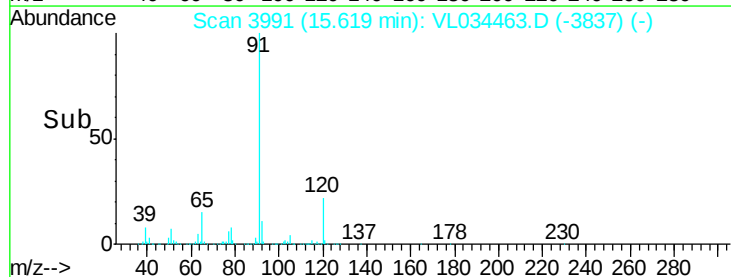


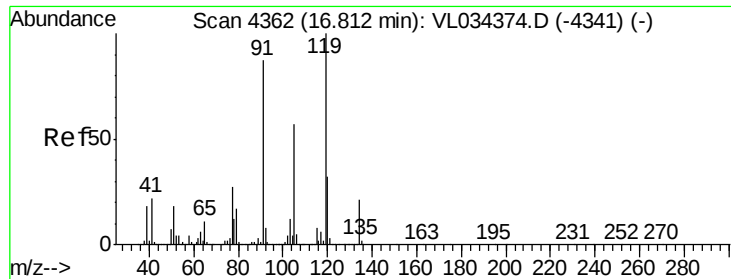
Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0



Time-->





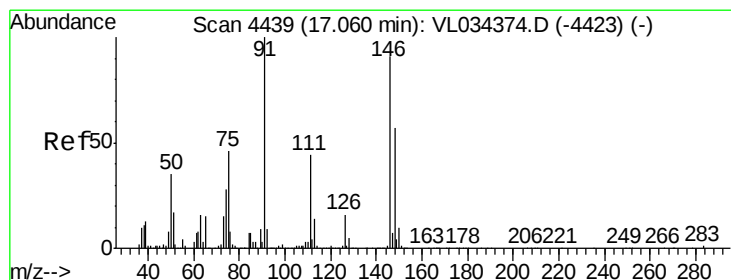
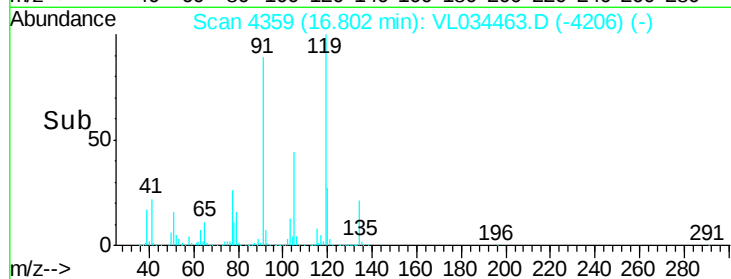
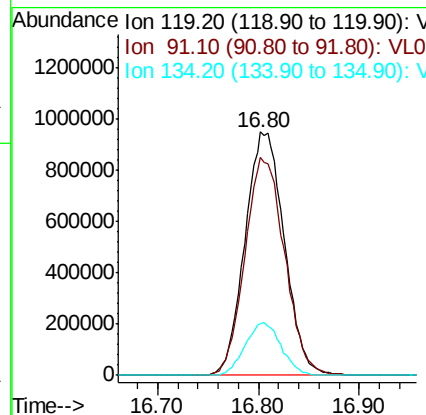
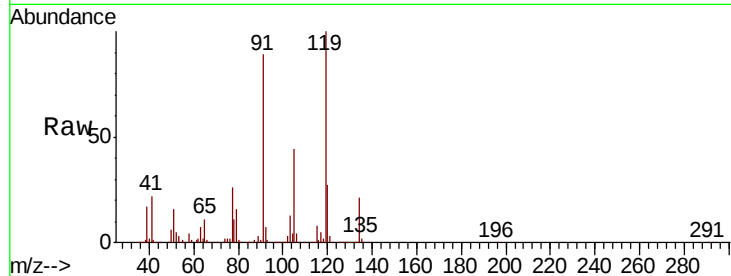
#65
 tert-Butylbenzene
 Concen: 8.417 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	90.1	71.6	107.4
134	19.9	15.9	23.9

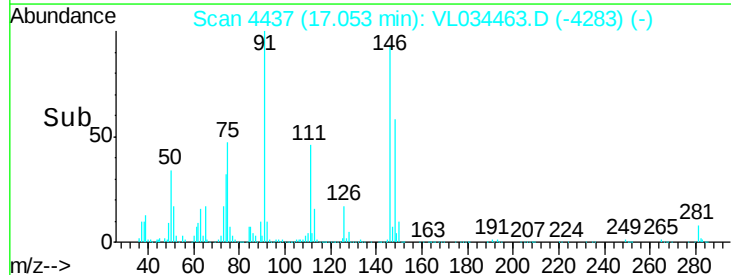
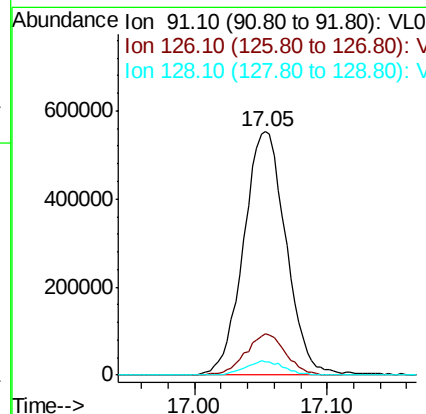
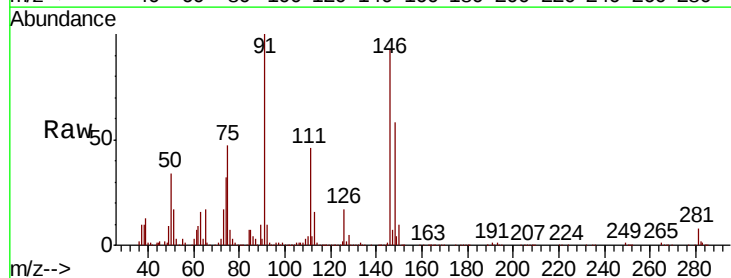
Manual Integrations
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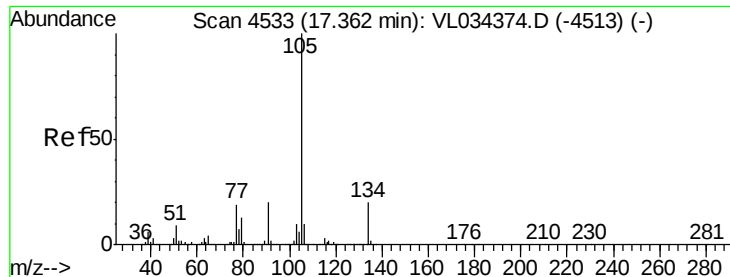
apatel
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#66
 Benzyl Chloride
 Concen: 10.438 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.3	12.9	19.3
128	5.4	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.423 ppbv

RT: 17.36 min Scan# 4532

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 3595801

Ion Ratio Lower Upper

105 100

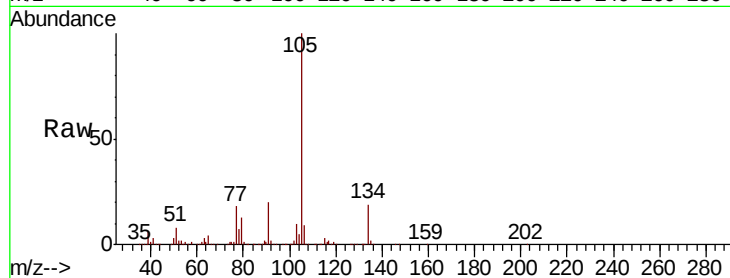
134 18.4 15.0 22.6

Manual Integrations

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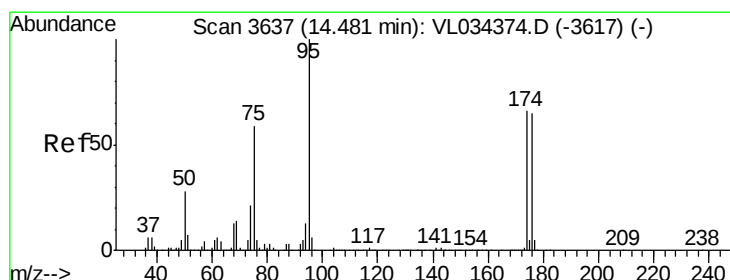
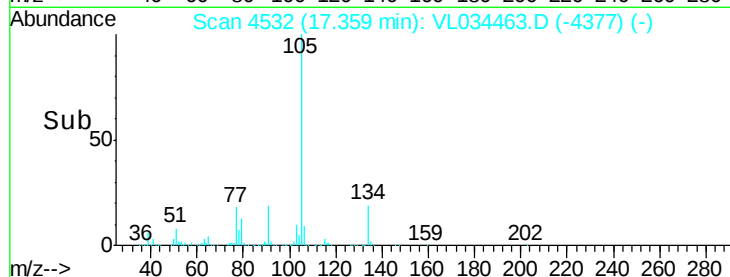
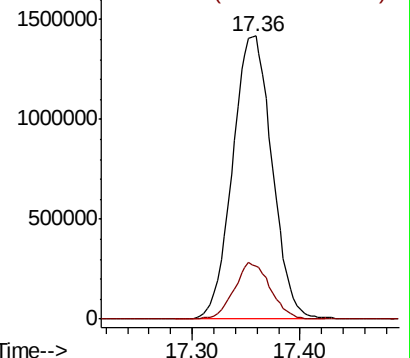
apatel

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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: 9.860 ppbv

RT: 14.47 min Scan# 3634

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

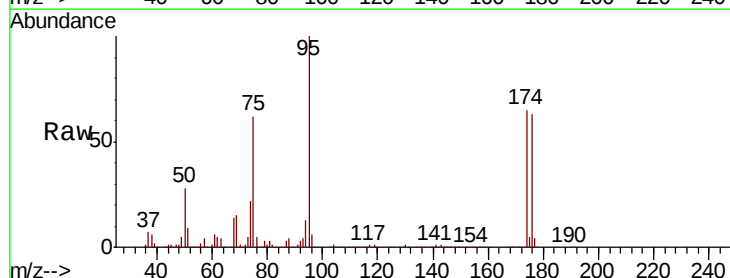
Tgt Ion: 95 Resp: 1606652

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

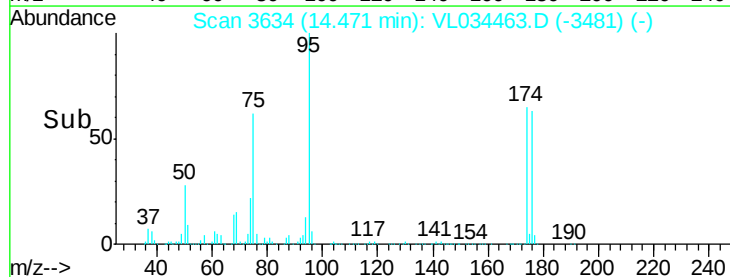
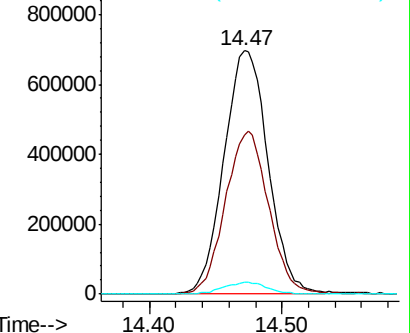
175 4.8 3.8 5.8

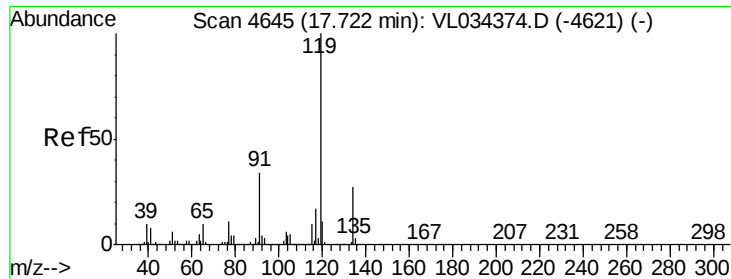


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





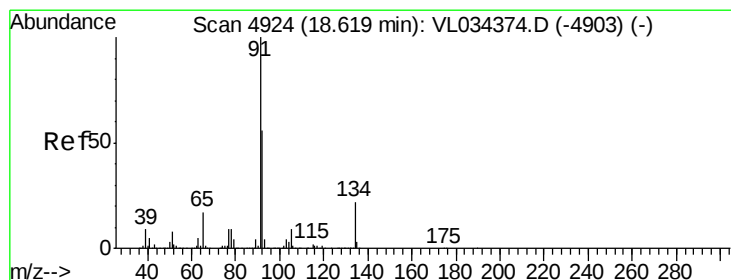
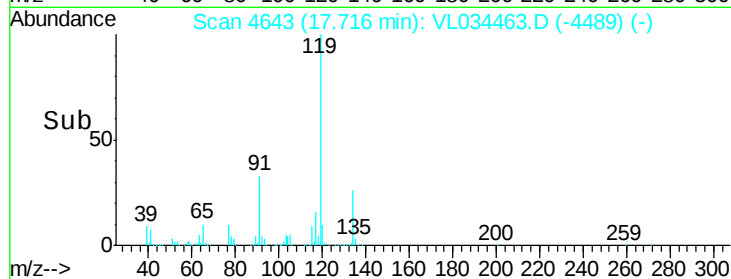
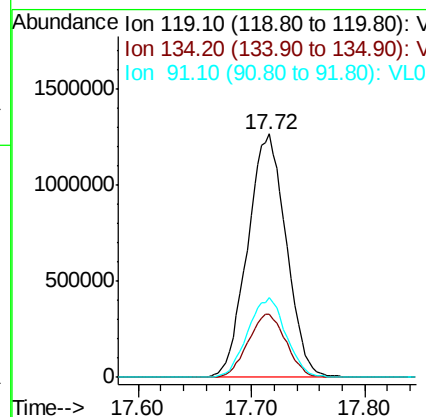
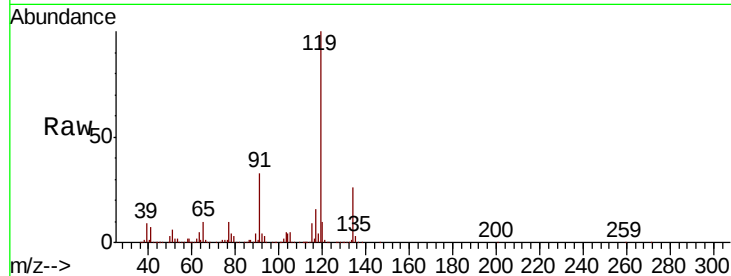
#69
 p-Isopropyltoluene
 Concen: 8.471 ppbv
 RT: 17.72 min Scan# 4643
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	31.0
91	32.5	26.3	39.5

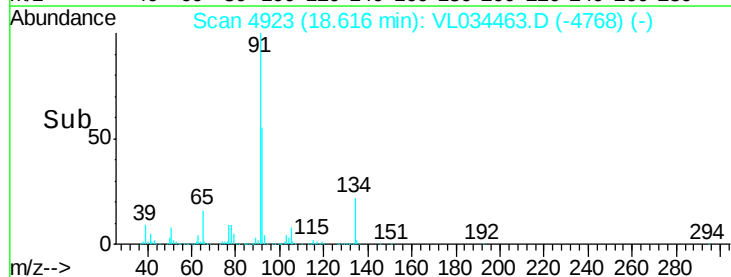
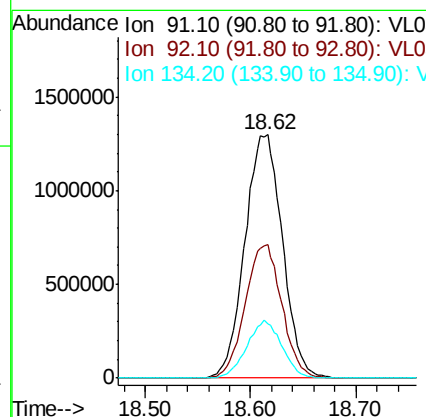
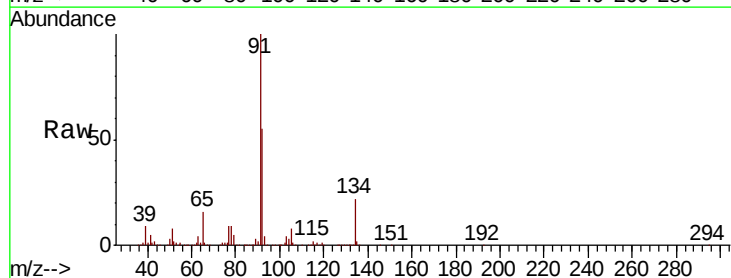
Manual Integrations
 APPROVED

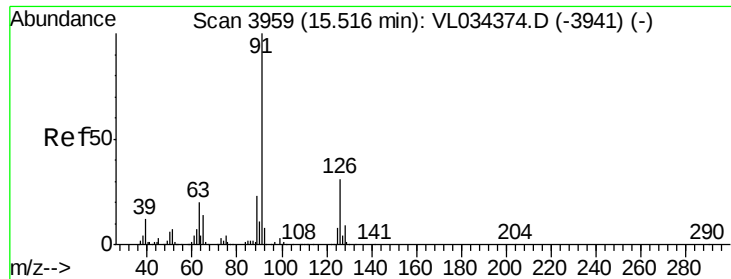
apatel
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#70
 n-Butylbenzene
 Concen: 8.424 ppbv
 RT: 18.62 min Scan# 4923
 Delta R.T. -0.00 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.8	65.6
134	22.2	17.9	26.9





#71

2-Chlorotoluene

Concen: 8.250 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. -0.00 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2235119

Ion Ratio Lower Upper

91 100

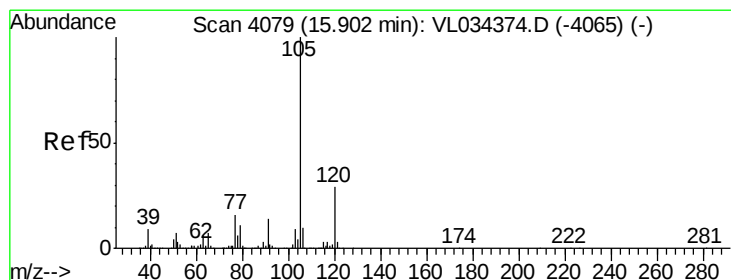
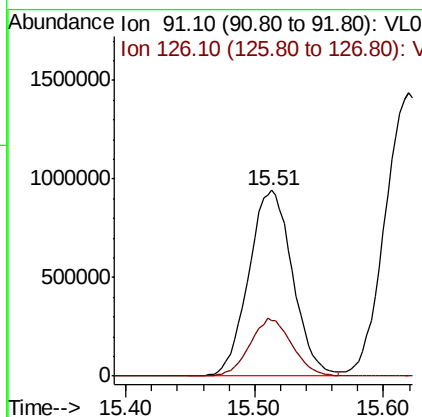
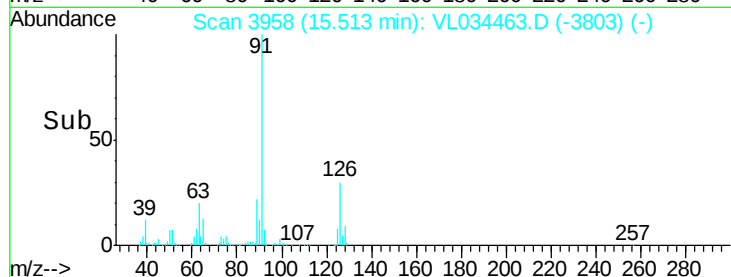
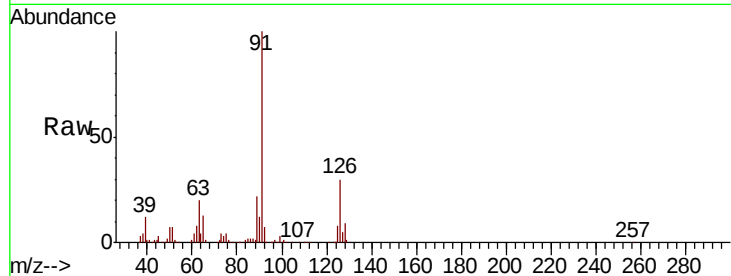
126 30.0 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 8.379 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Tgt Ion: 105 Resp: 2487181

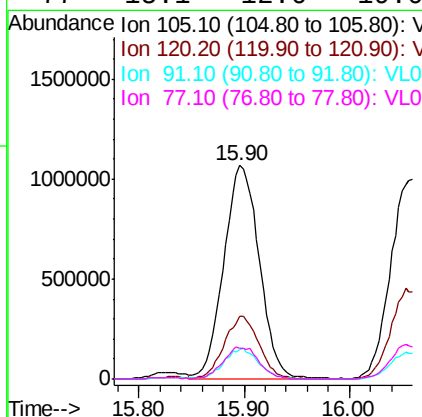
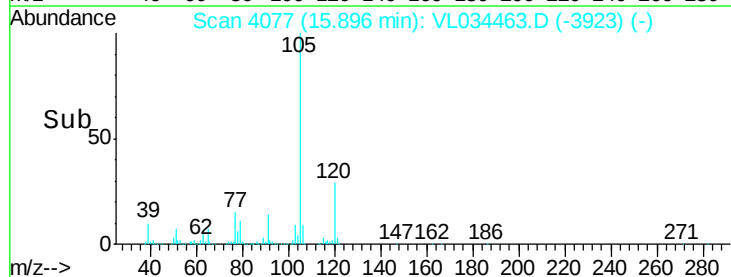
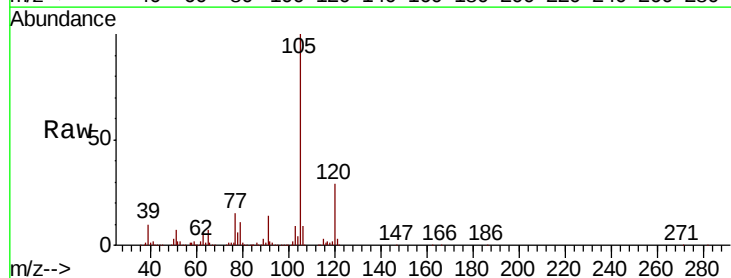
Ion Ratio Lower Upper

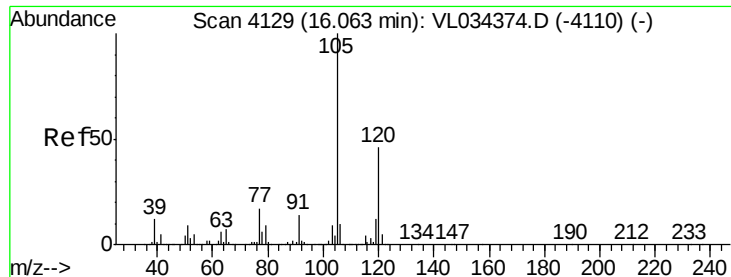
105 100

120 28.9 23.5 35.3

91 14.2 11.4 17.0

77 15.1 12.6 19.0





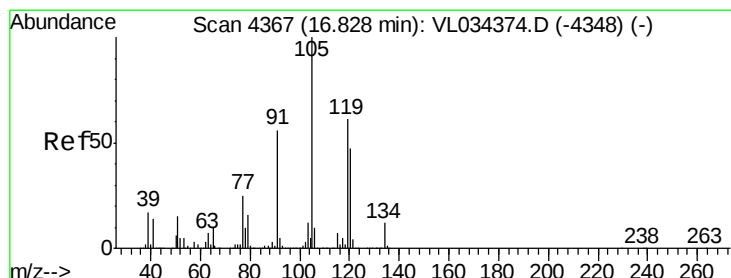
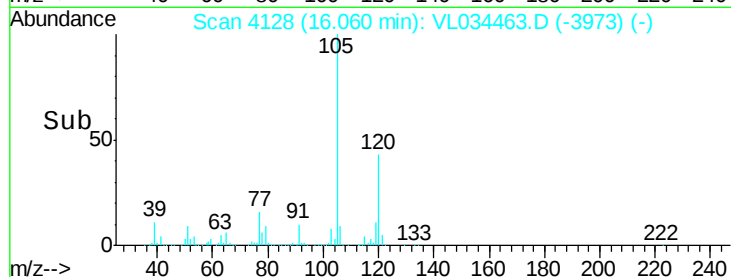
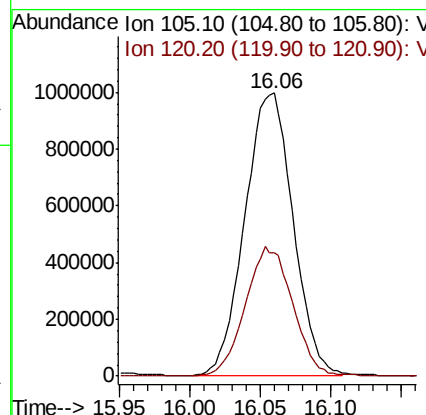
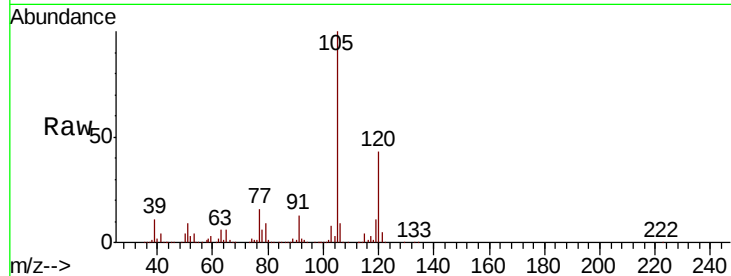
#73
 1,3,5-Trimethylbenzene
 Concen: 8.169 ppbv
 RT: 16.06 min Scan# 4128
 Delta R.T. -0.00 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2373465
 Ion Ratio Lower Upper
 105 100
 120 43.5 37.1 55.7

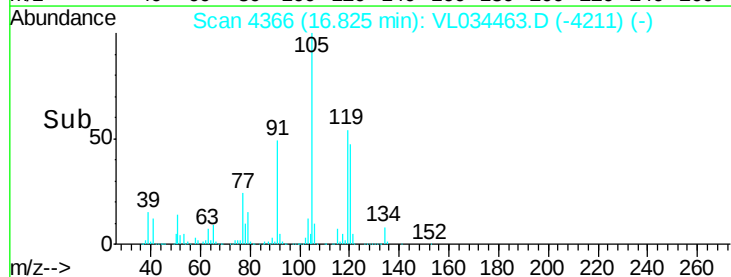
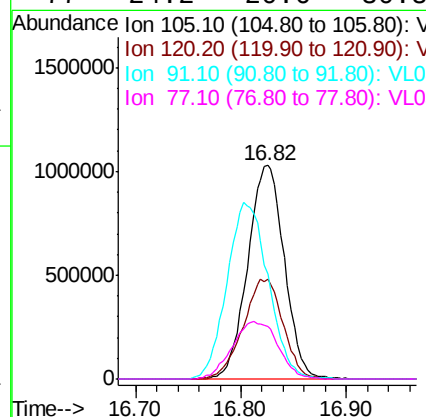
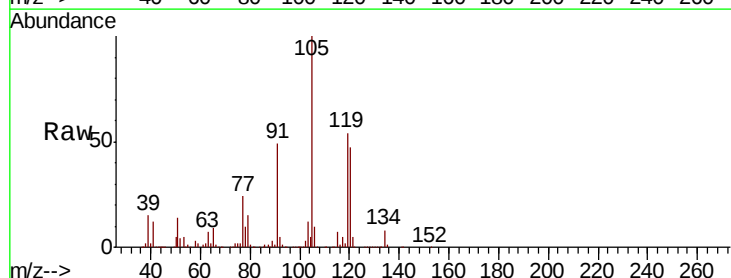
Manual Integrations
 APPROVED

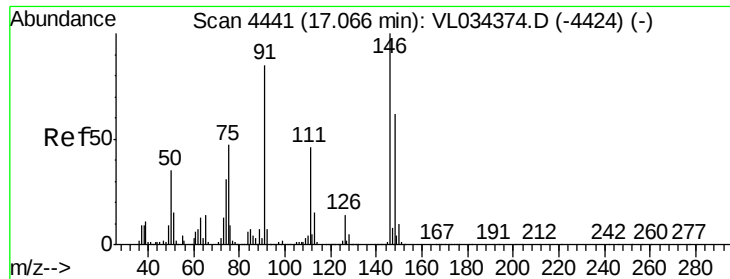
apatel
 12/11/2019 2:11:55 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.061 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.00 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Tgt Ion:105 Resp: 2488040
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.4 56.0
 91 48.9 46.3 69.5
 77 24.2 20.6 30.8





#75

1,3-Dichlorobenzene

Concen: 7.824 ppbv

RT: 17.06 min Scan# 4439

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1388130

Ion Ratio Lower Upper

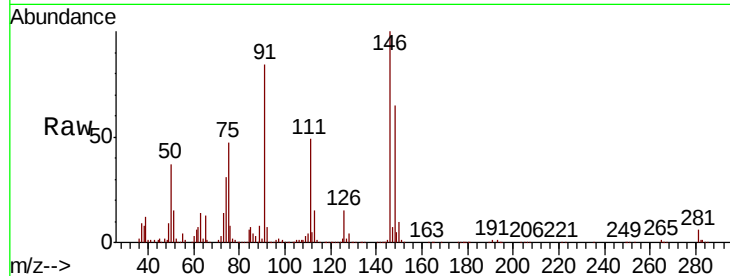
146 100

111 48.7 24.4 73.4

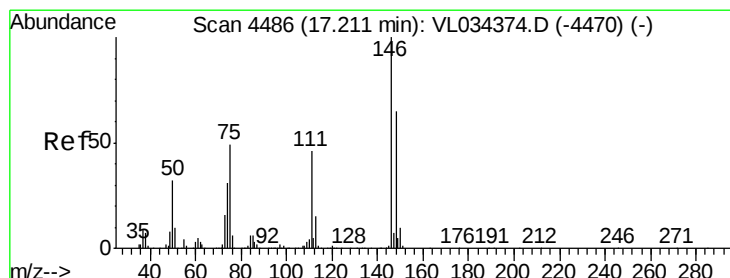
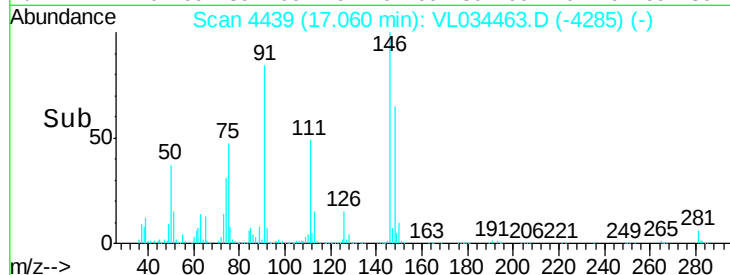
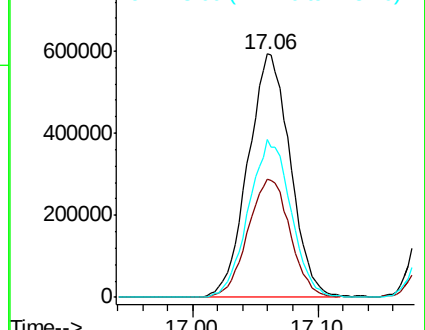
148 64.8 32.4 97.0

Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
800000
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.118 ppbv

RT: 17.20 min Scan# 4484

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

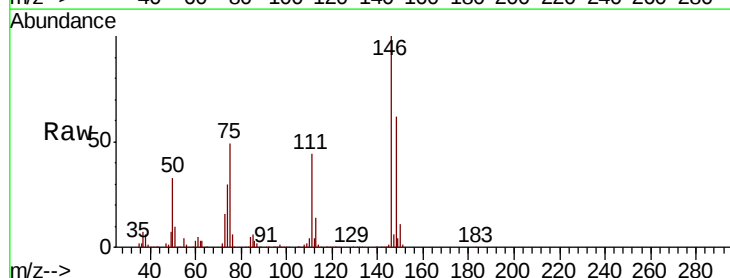
Tgt Ion:146 Resp: 1398551

Ion Ratio Lower Upper

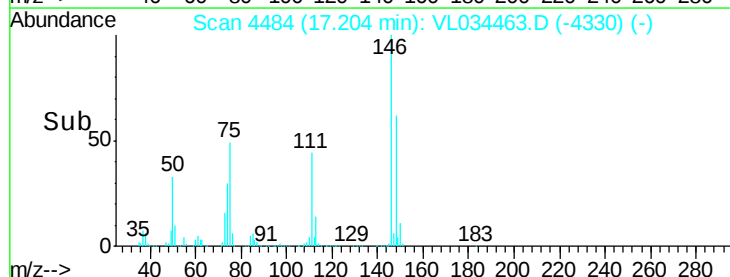
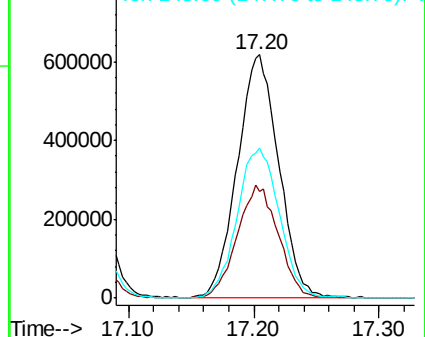
146 100

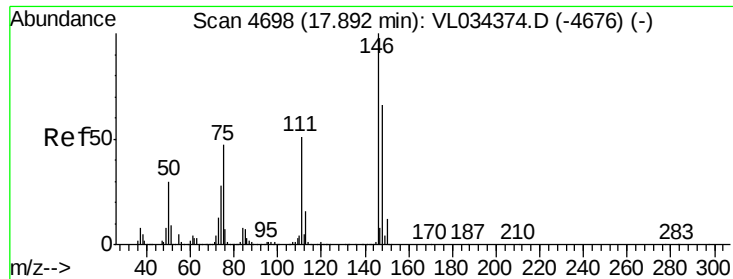
111 47.1 24.1 72.3

148 64.1 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V
800000
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.023 ppbv

RT: 17.88 min Scan# 4695

Delta R.T. -0.01 min

Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L

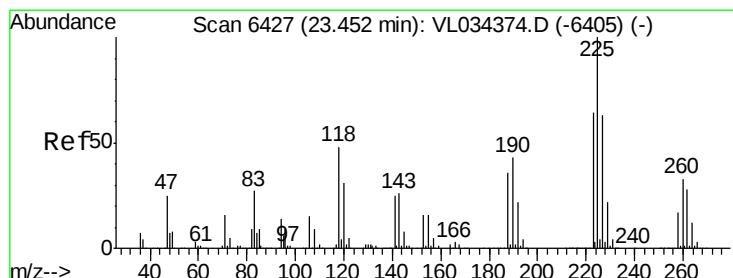
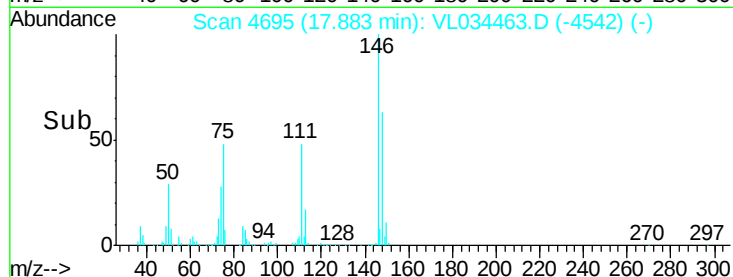
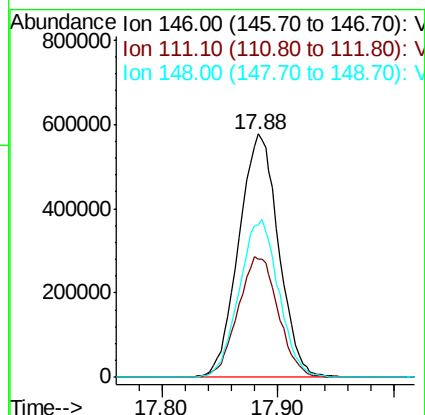
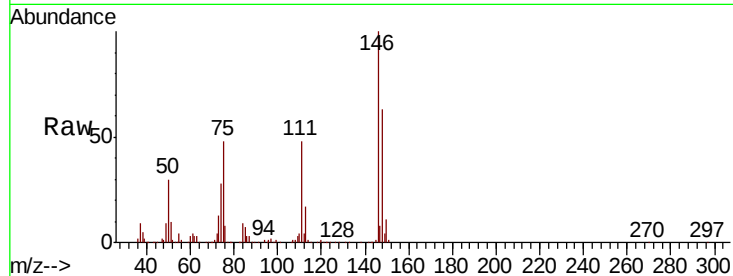
ClientSampleId :
VSTDCCC010

Tot Ion:146 Resp: 1374778

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.0	75.0
148	64.5	32.7	98.1

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#78

Hexachloro-1,3-Butadiene

Concen: 7.948 ppbv

RT: 23.45 min Scan# 6425

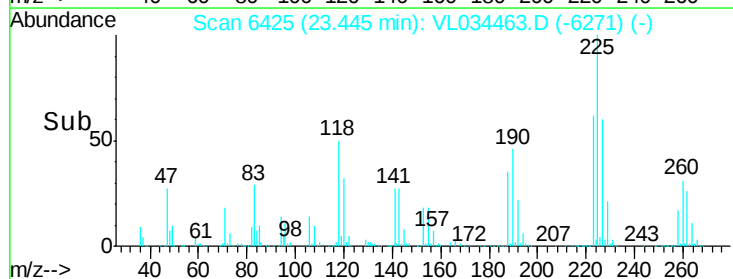
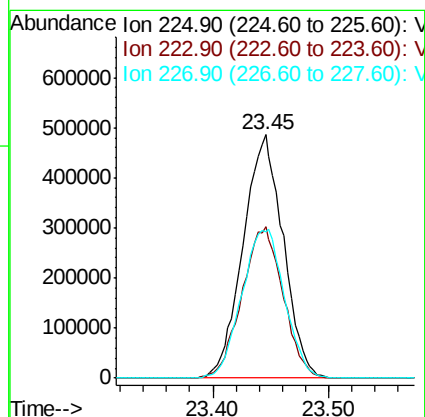
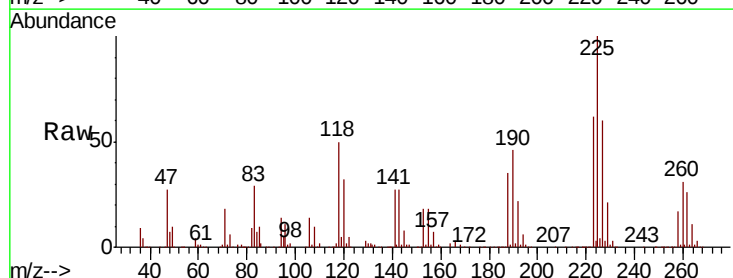
Delta R.T. -0.01 min

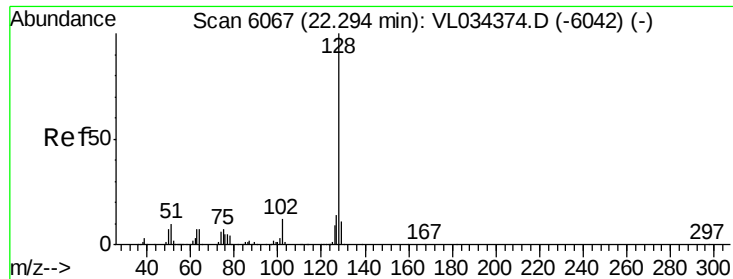
Lab File: VL034463.D

Acq: 9 Dec 2019 12:35

Tgt Ion:225 Resp: 1170172

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.2
227	65.1	51.5	77.3





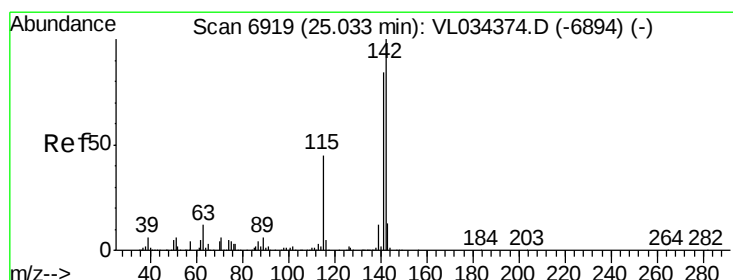
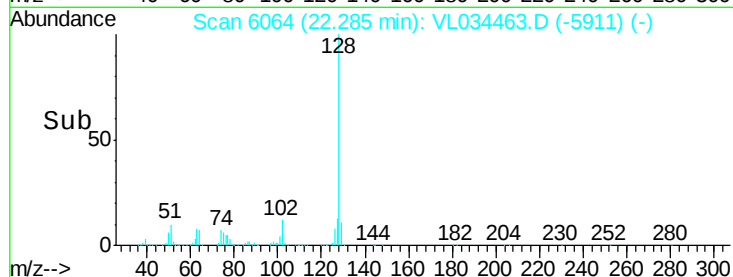
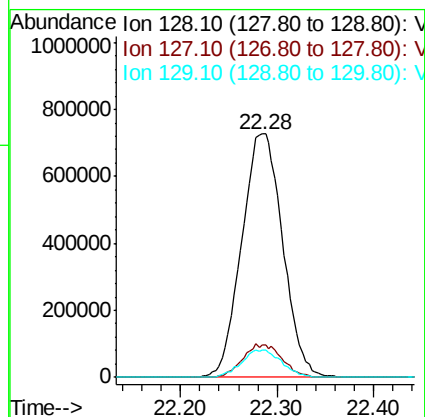
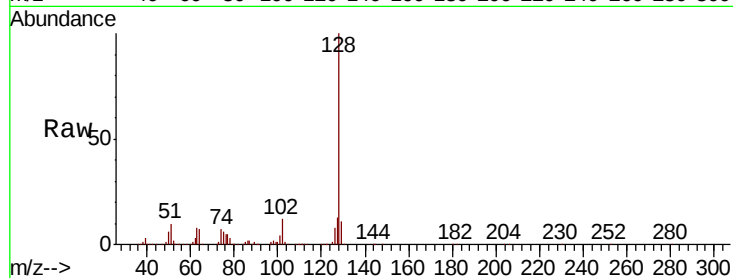
#79
Naphthalene
Concen: 8.010 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. -0.01 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	11.0	8.9	13.3

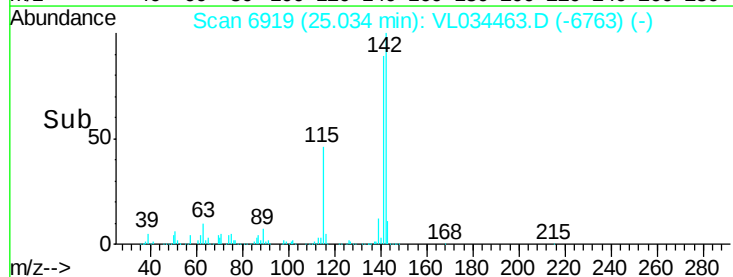
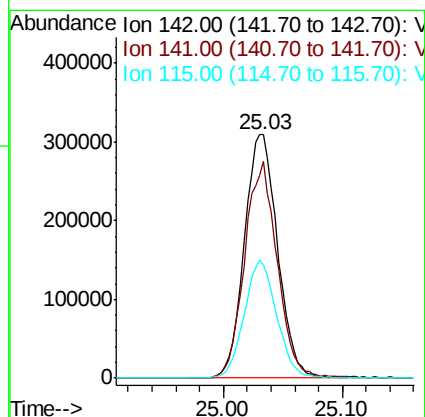
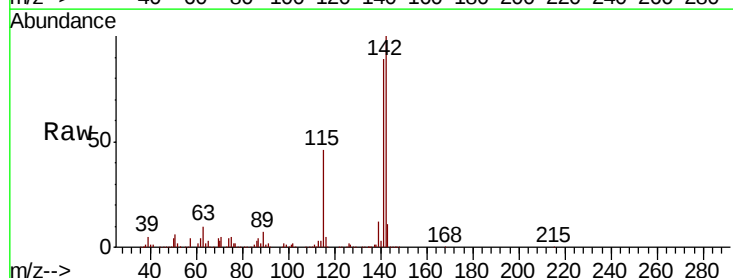
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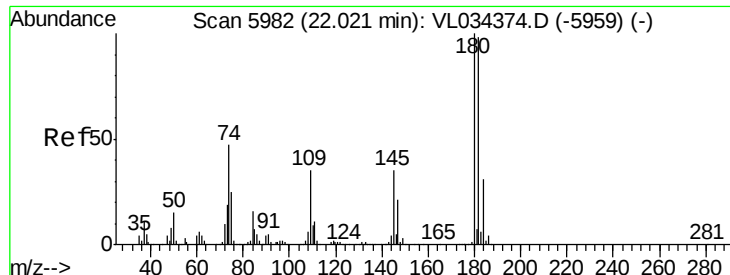
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#80
Naphthalene, 2-methyl-
Concen: 4.951 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034463.D
Acq: 9 Dec 2019 12:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	67.1	100.7
115	47.6	36.6	54.8





#81
 1,2,4-Trichlorobenzene
 Concen: 7.342 ppbv
 RT: 22.01 min Scan# 5980
 Delta R.T. -0.01 min
 Lab File: VL034463.D
 Acq: 9 Dec 2019 12:35

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	30.9	24.9	37.3

Manual Integrations
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