

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

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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 12/3/2019 5:04:15 PM

Quant Time: Dec 03 16:15:12 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	1002286	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2014367	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	2080076m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1795981	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1844220	10.171	ppbv	99
3) Chlorodifluoromethane	2.96	51	1073071	8.581	ppbv	98
4) Chloromethane	3.12	50	643956	8.730	ppbv	99
5) Vinyl Chloride	3.23	62	598999	8.667	ppbv	95
6) Bromomethane	3.46	94	322219	9.266	ppbv	88
7) Chloroethane	3.54	64	223037	8.892	ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	1408043	8.647	ppbv	99
9) Propene	2.99	41	453224	8.163	ppbv	98
10) Heptane	8.16	43	1227126	8.565	ppbv	100
11) Trichlorofluoromethane	3.94	101	1632975	9.049	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1080114	9.013	ppbv	99
13) Ethanol	3.59	45	89042m	5.757	ppbv	
14) Bromoethene	3.73	108	426487	8.752	ppbv	97
15) Acetone	3.84	43	1340947	9.343	ppbv	98
16) 1,3-Butadiene	3.31	39	551087	8.815	ppbv	100
17) tert-Butyl alcohol	4.29	59	890494	7.381	ppbv	100
18) 1,1-Dichloroethene	4.29	96	473345	9.030	ppbv	95
19) Isopropyl Alcohol	3.96	45	666978	7.250	ppbv #	99
20) Methylene Chloride	4.34	84	411943	8.094	ppbv	95
21) Allyl Chloride	4.41	41	810874	9.429	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	493088	9.331	ppbv	98
23) Vinyl Acetate	5.08	43	1776025	9.473	ppbv #	99
24) 1,1-Dichloroethane	5.02	63	1256338	8.723	ppbv	99
25) Ethyl Acetate	5.69	43	2181862	8.519	ppbv	100
26) Hexane	5.70	57	922412	8.382	ppbv	98
27) Carbon Disulfide	4.55	76	1252907	10.453	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1618536	8.870	ppbv	100
29) Chloroform	5.77	83	1522833	8.545	ppbv	96
30) Cyclohexane	7.16	84	725652	8.722	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1003196	8.821	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1580083	9.456	ppbv	99
34) 2-Butanone	5.25	43	1458738	8.798	ppbv	99
35) Carbon Tetrachloride	7.05	117	1648016	9.515	ppbv	98
36) Benzene	6.92	78	1750914	8.695	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1352602	9.042	ppbv	99
38) Trichloroethene	7.88	130	738189	8.933	ppbv	98
39) 1,2-Dichloropropane	7.65	63	729416	9.403	ppbv	95
40) 1,4-Dioxane	7.87	88	230457	6.801	ppbv #	88
41) Tetrahydrofuran	6.07	42	804621	8.652	ppbv	98
42) Bromodichloromethane	7.83	83	1704963	9.113	ppbv	99
43) Methyl Methacrylate	8.05	69	755013	9.040	ppbv	99

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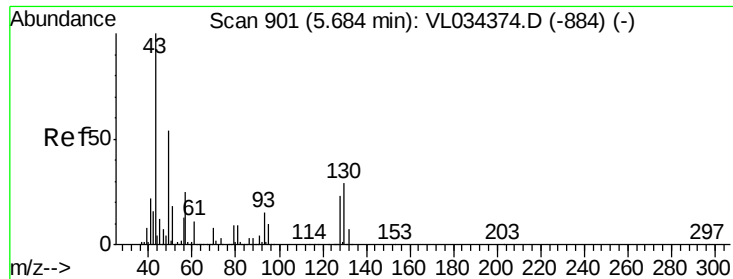
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Quant Time: Dec 03 16:15:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3149781	8.559	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1054308	9.843	ppbv	96
46) cis-1,3-Dichloropropene	8.75	75	1171507	9.737	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	738831	8.561	ppbv	93
48) Dibromochloromethane	10.36	129	1403478	9.472	ppbv	99
49) Bromoform	13.11	173	1245078	9.413	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	2137675	8.911	ppbv	100
51) 2-Hexanone	10.18	43	1806298	8.989	ppbv	96
52) Tetrachloroethene	11.28	164	662039	7.599	ppbv	98
53) Toluene	9.86	91	2024623	8.852	ppbv	100
54) 1,2-Dibromoethane	10.67	107	1133068	8.564	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.19	131	914932	8.992	ppbv #	59
57) Chlorobenzene	12.21	112	1546434	8.224	ppbv	97
58) Ethyl Benzene	12.77	91	2784230	8.625	ppbv	97
59) m/p-Xylene	13.06	91	4671978m	16.744	ppbv	
60) o-Xylene	13.76	91	2359769	8.553	ppbv	99
61) Styrene	13.59	104	1699218	8.541	ppbv	100
62) Isopropylbenzene	14.73	105	3022081	8.283	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.75	83	1590588	7.670	ppbv	99
64) n-propylbenzene	15.64	120	771433	8.141	ppbv	94
65) tert-Butylbenzene	16.82	119	2668194	8.141	ppbv	99
66) Benzyl Chloride	17.07	91	1295191	10.272	ppbv	100
67) sec-Butylbenzene	17.37	105	3733580	8.144	ppbv	100
69) p-Isopropyltoluene	17.73	119	3126888	8.218	ppbv	100
70) n-Butylbenzene	18.63	91	3313735	8.094	ppbv	100
71) 2-Chlorotoluene	15.53	91	2355029	8.095	ppbv	100
72) 4-Ethyltoluene	15.91	105	2658925	8.341	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2543063	8.150	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2649022	7.992	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1474111	7.737	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1482590	8.014	ppbv	100
77) 1,2-Dichlorobenzene	17.90	146	1447392	7.866	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1534877	9.708	ppbv	100
79) Naphthalene	22.30	128	2763560	9.618	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	1273700	9.817	ppbv	98
81) 1,2,4-Trichlorobenzene	22.02	180	1629932m	9.234	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1002286

Ion Ratio Lower Upper

49 100

128 43.4 21.8 65.3

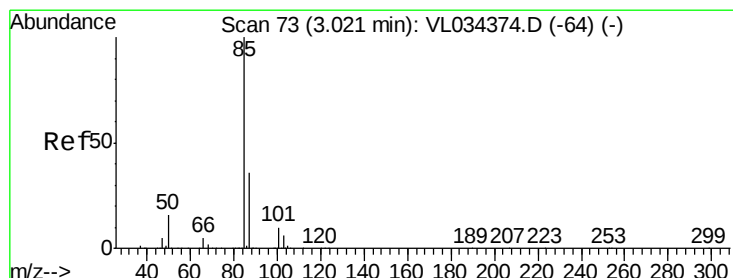
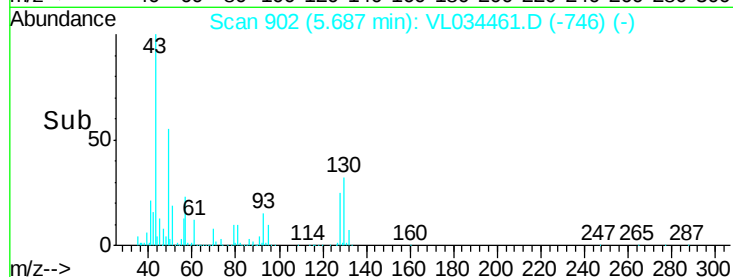
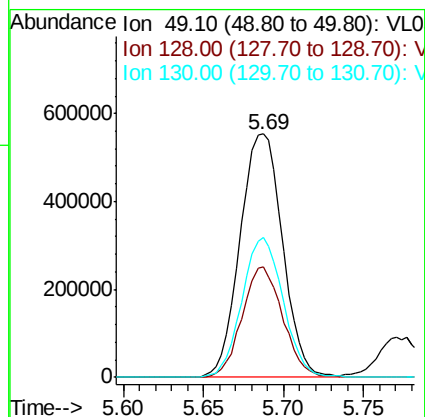
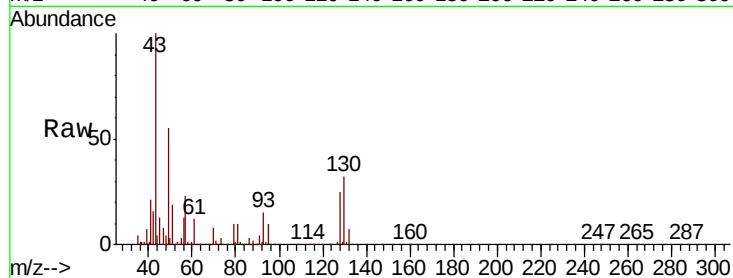
130 55.9 28.0 84.0

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#2

Dichlorodifluoromethane

Concen: 10.171 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034461.D

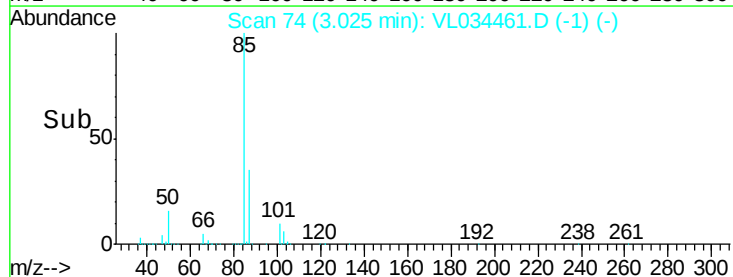
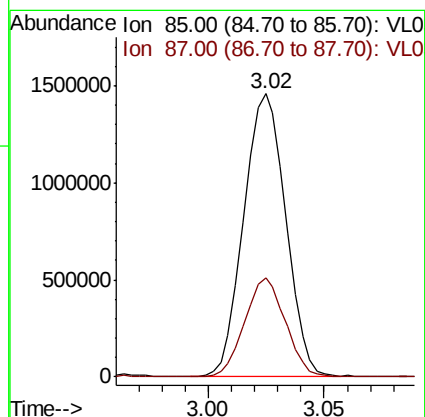
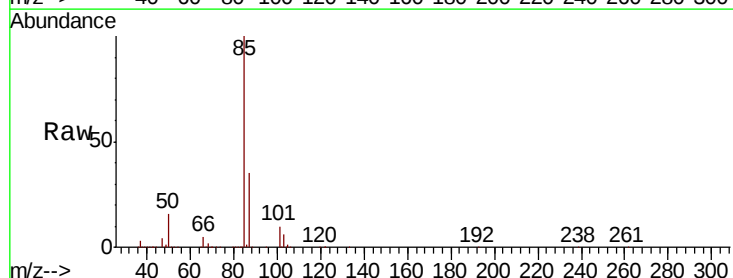
Acq: 3 Dec 2019 15:39

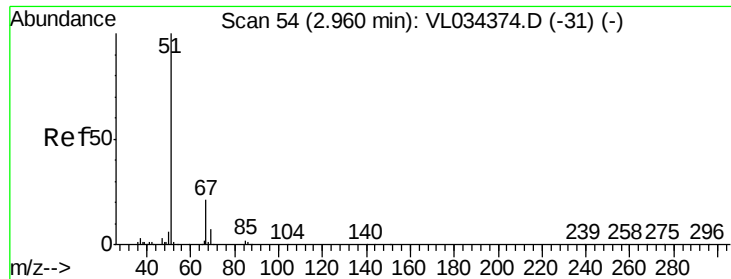
Tgt Ion: 85 Resp: 1844220

Ion Ratio Lower Upper

85 100

87 35.1 28.5 42.7





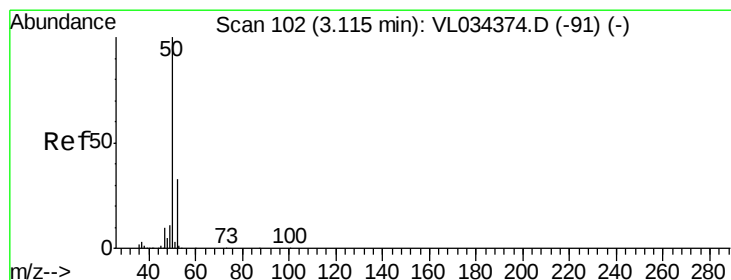
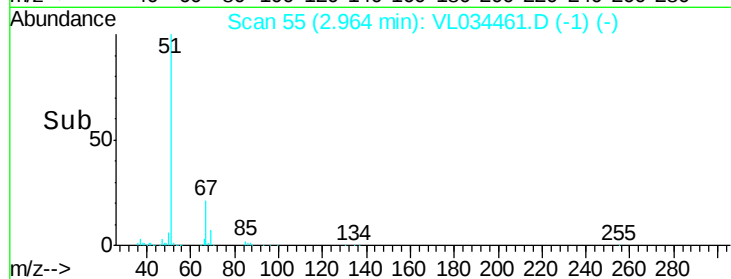
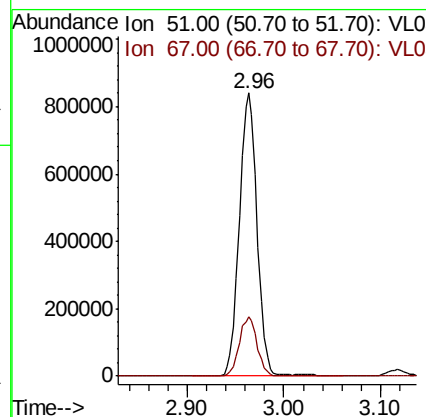
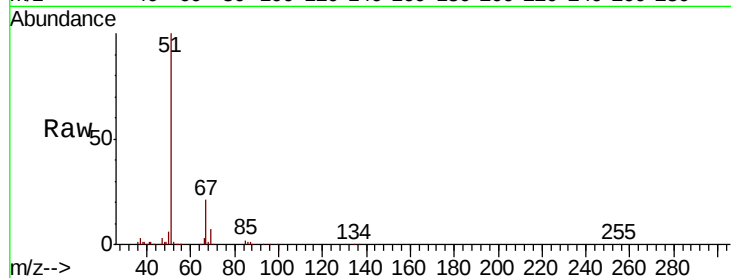
#3
Chlorodifluoromethane
Concen: 8.581 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1073071
Ion Ratio Lower Upper
51 100
67 20.9 16.2 24.2

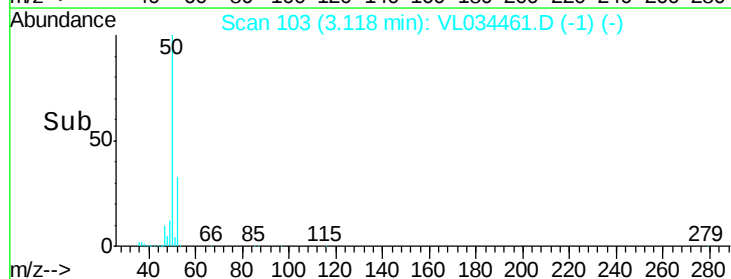
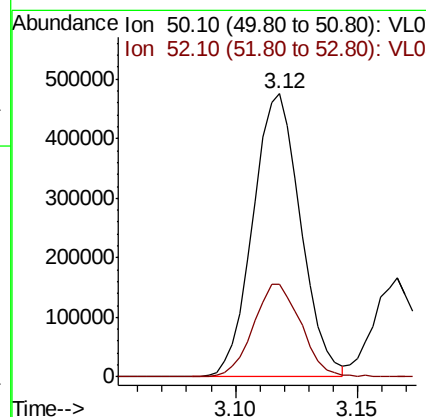
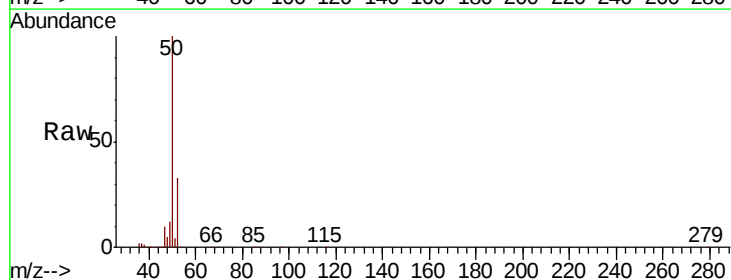
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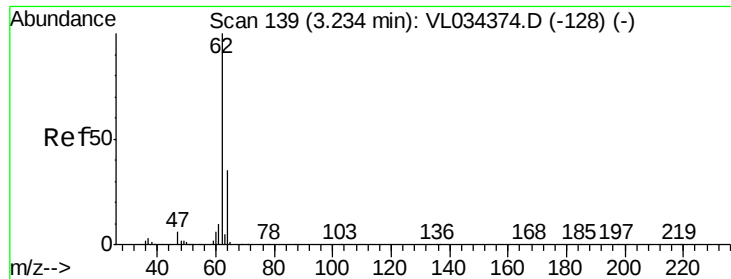
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#4
Chloromethane
Concen: 8.730 ppbv
RT: 3.12 min Scan# 103
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion: 50 Resp: 643956
Ion Ratio Lower Upper
50 100
52 32.7 26.8 40.2





#5

Vinyl Chloride

Concen: 8.667 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 598999

Ion Ratio Lower Upper

62 100

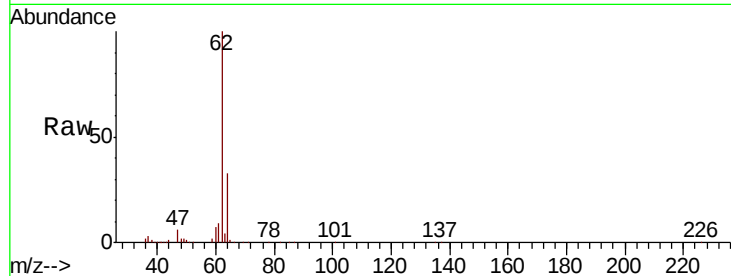
64 32.6 28.4 42.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

400000

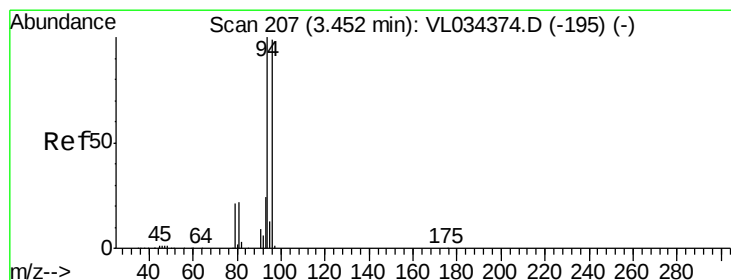
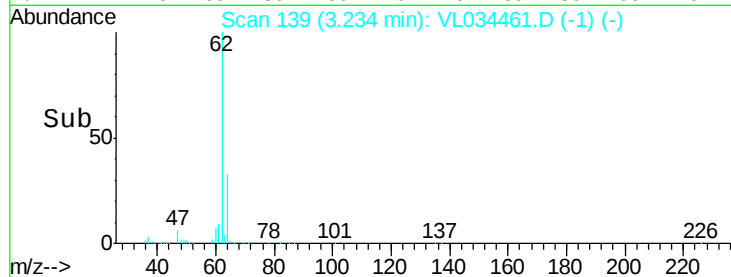
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.266 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034461.D

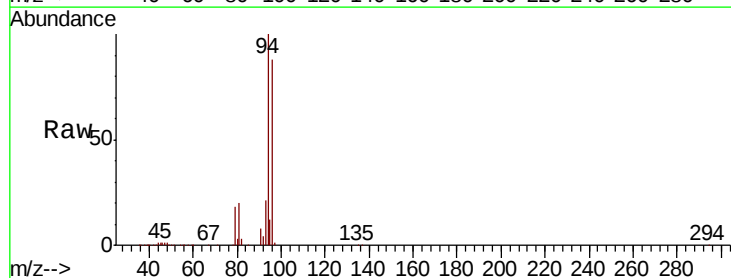
Acq: 3 Dec 2019 15:39

Tgt Ion: 94 Resp: 322219

Ion Ratio Lower Upper

94 100

96 87.8 79.5 119.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

250000

200000

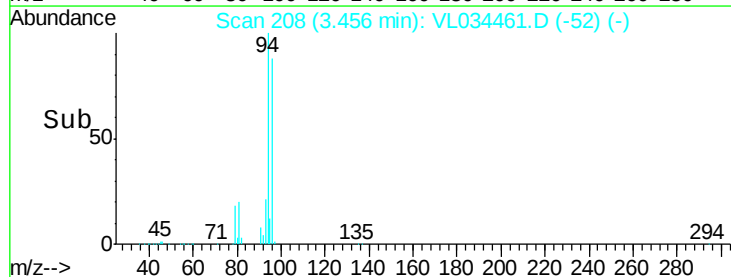
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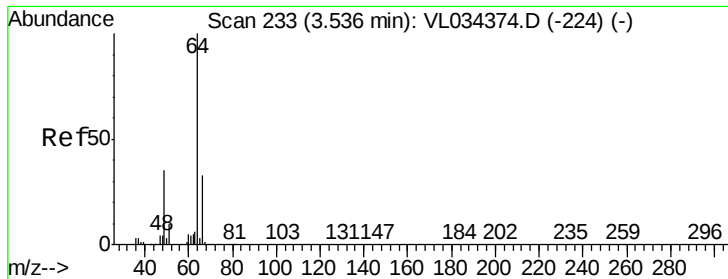
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.892 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 223037

Ion Ratio Lower Upper

64 100

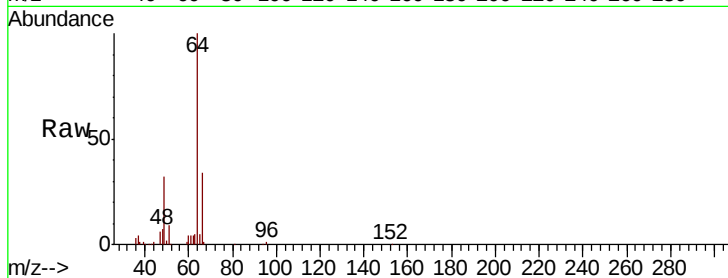
66 33.7 26.0 39.0

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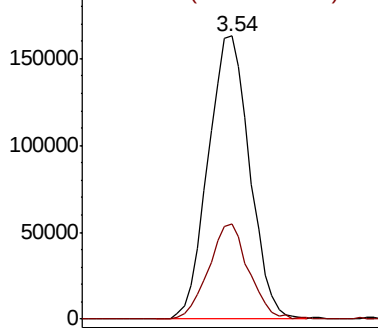
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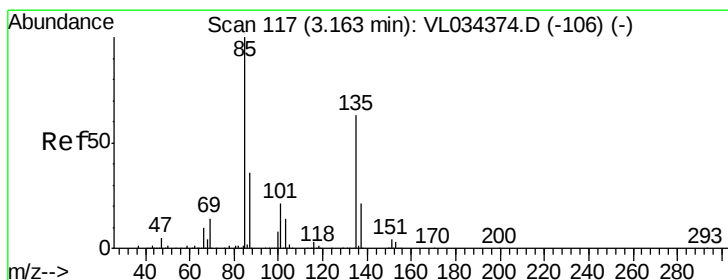
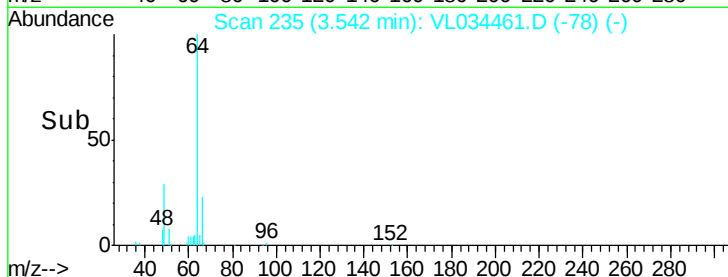


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.647 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034461.D

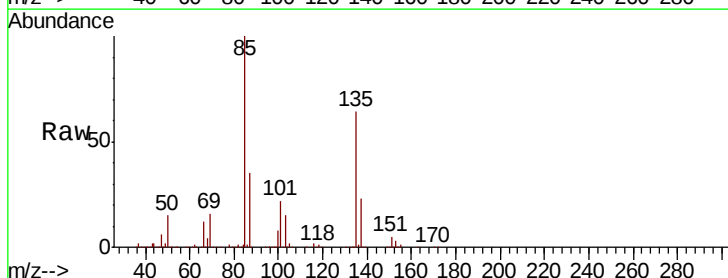
Acq: 3 Dec 2019 15:39

Tgt Ion: 85 Resp: 1408043

Ion Ratio Lower Upper

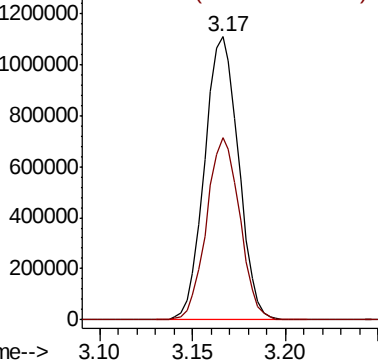
85 100

135 63.3 51.1 76.7

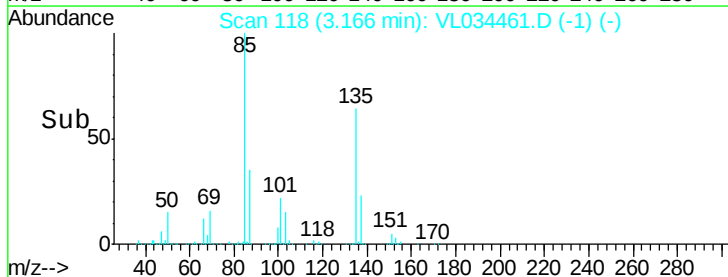


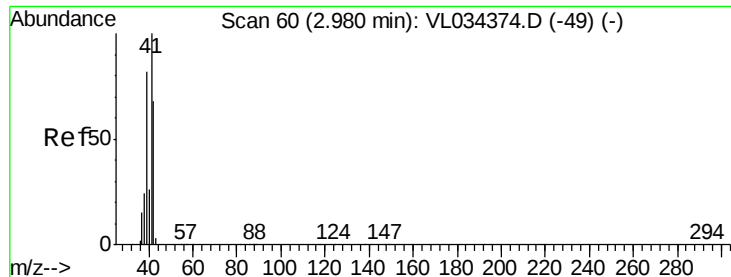
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 8.163 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 453224

Ion Ratio Lower Upper

41 100

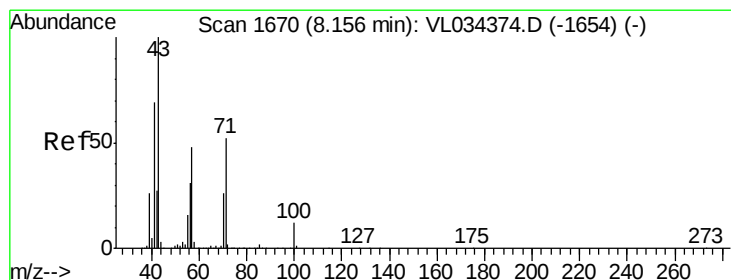
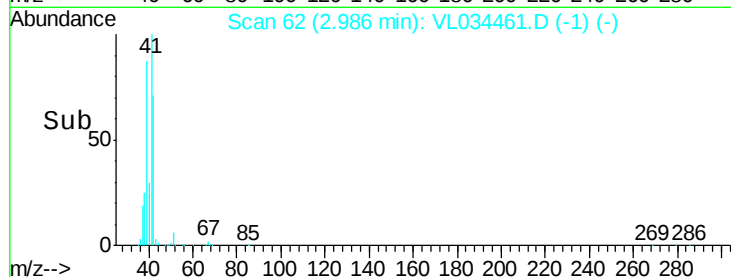
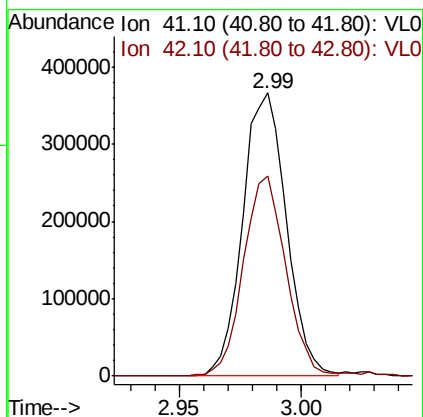
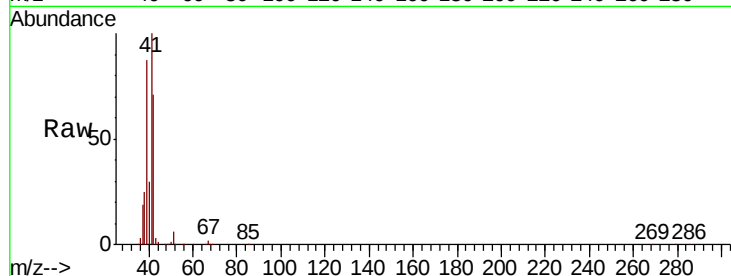
42 69.7 54.6 82.0

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#10

Heptane

Concen: 8.565 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. 0.01 min

Lab File: VL034461.D

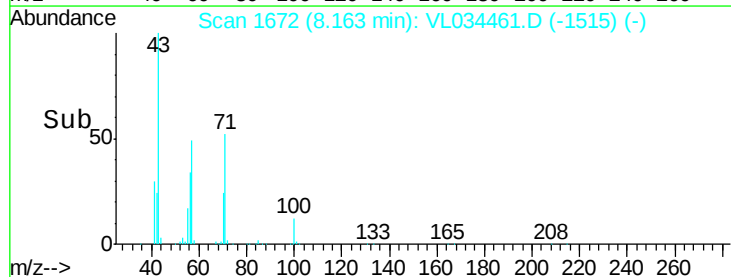
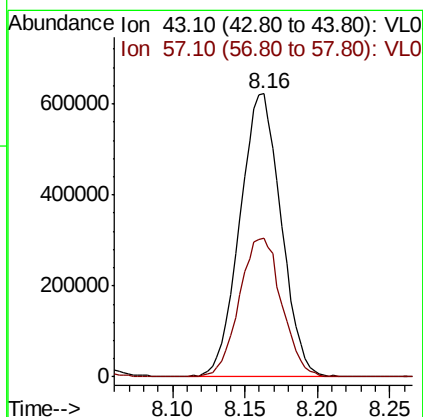
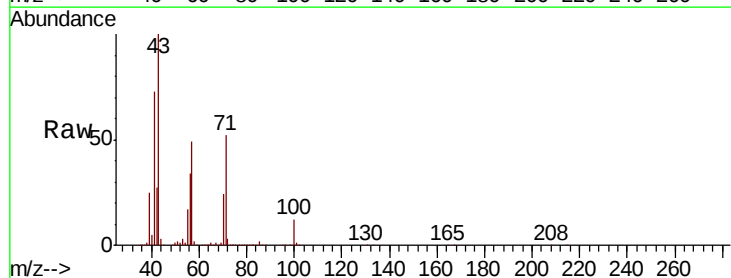
Acq: 3 Dec 2019 15:39

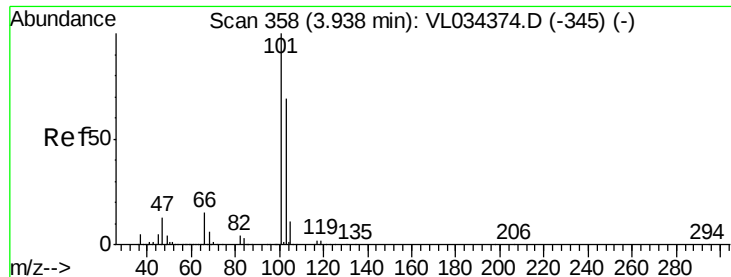
Tgt Ion: 43 Resp: 1227126

Ion Ratio Lower Upper

43 100

57 50.3 40.2 60.2





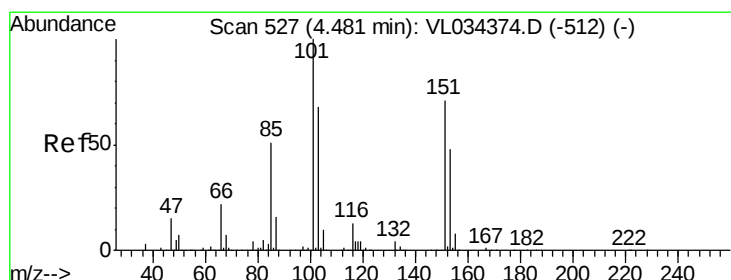
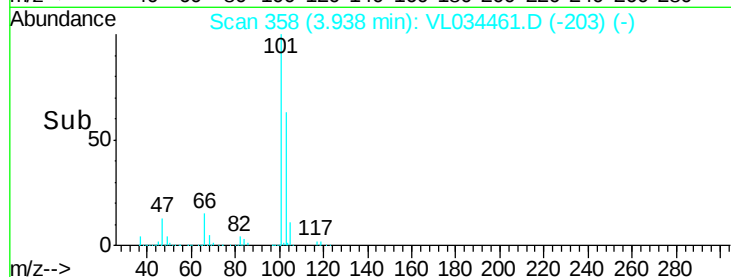
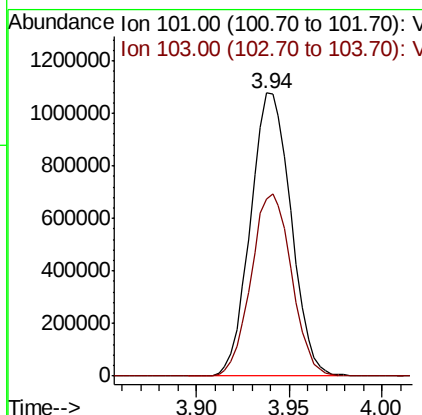
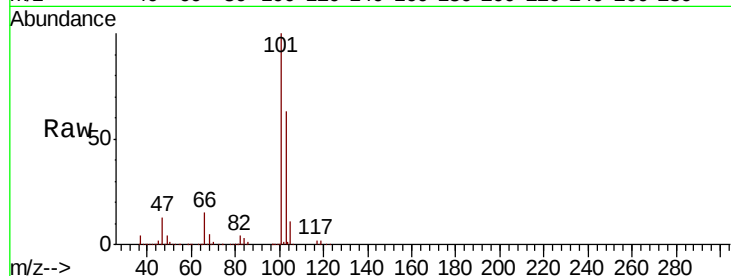
#11
 Trichlorofluoromethane
 Concen: 9.049 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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

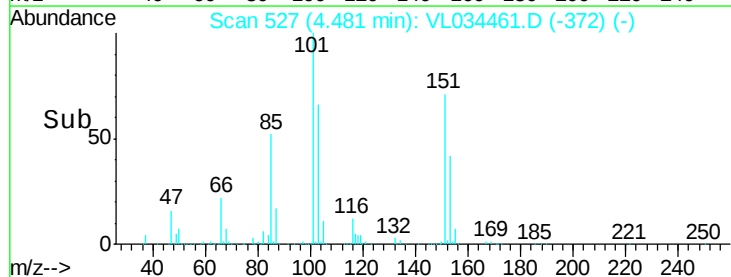
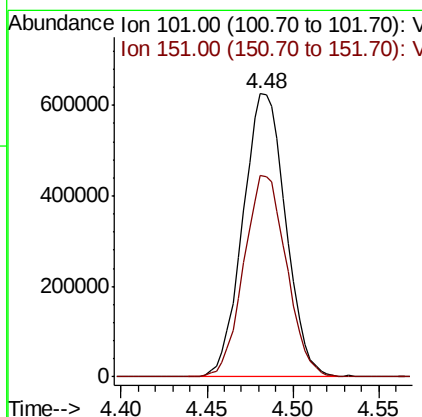
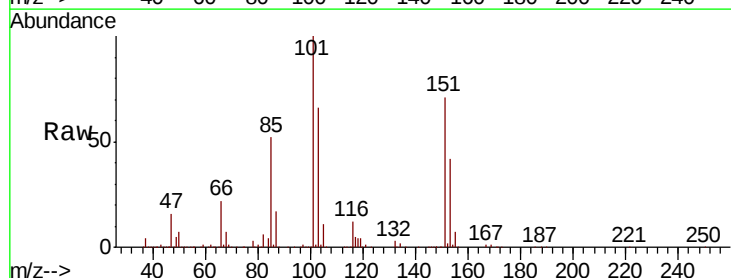
Manual Integrations
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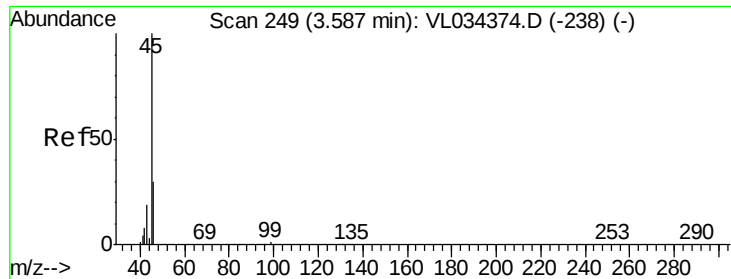
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.013 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

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





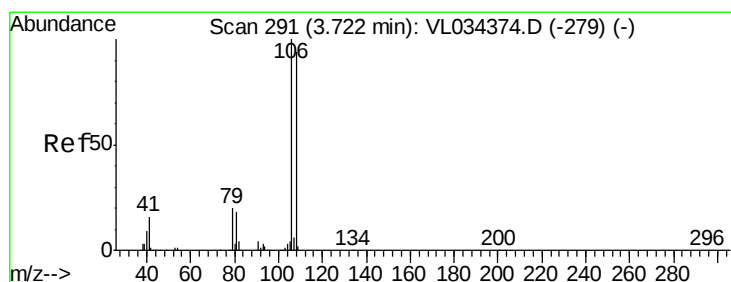
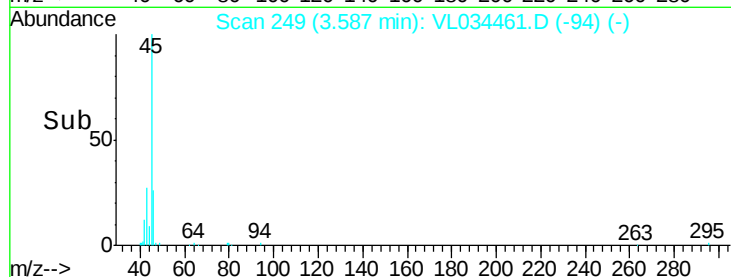
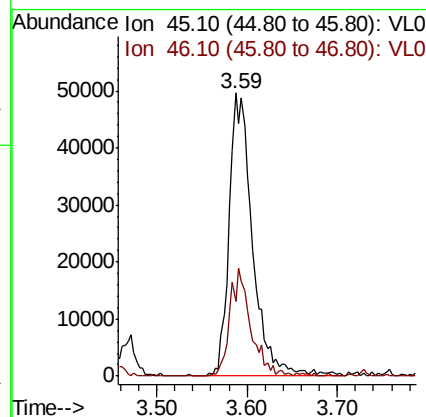
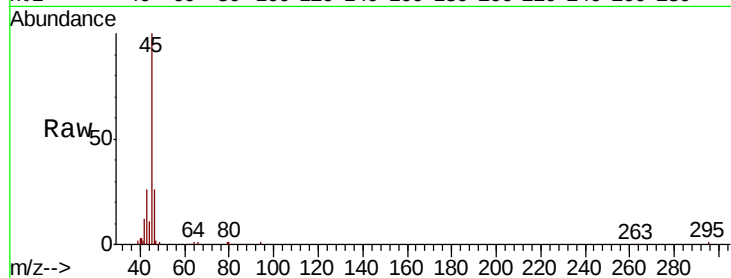
#13
Ethanol
Concen: 5.757 ppbv m
RT: 3.59 min Scan# 249
Delta R.T. -0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

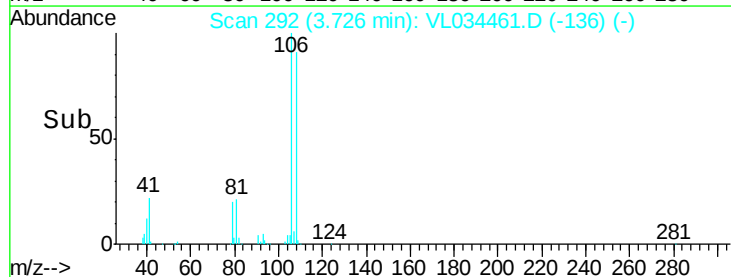
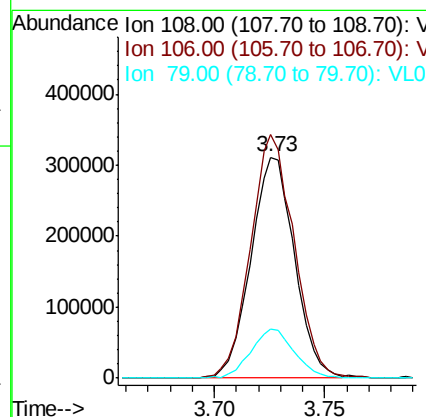
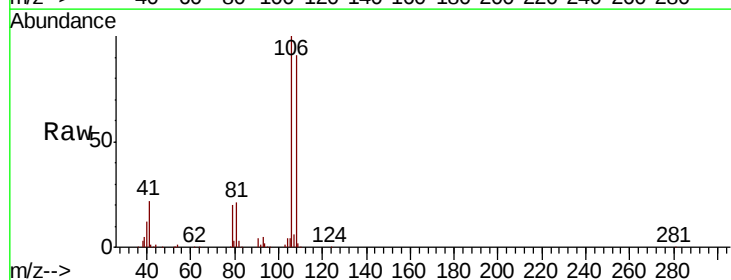
Manual Integrations
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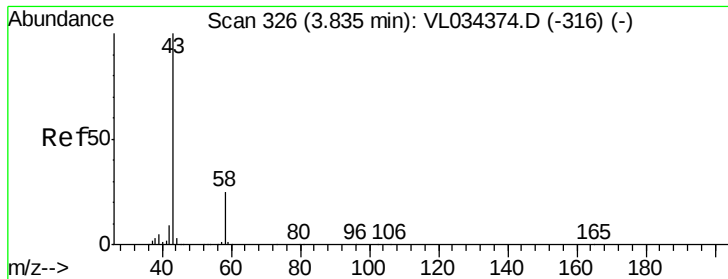
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#14
Bromoethene
Concen: 8.752 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

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





#15

Acetone

Concen: 9.343 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1340947

Ion Ratio Lower Upper

43 100

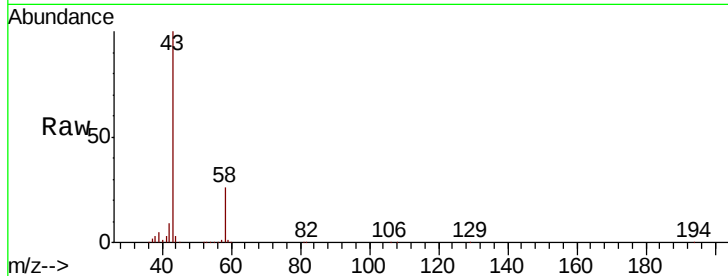
58 26.1 20.2 30.4

Manual Integrations

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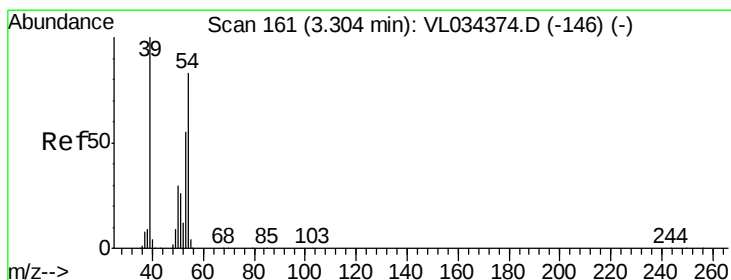
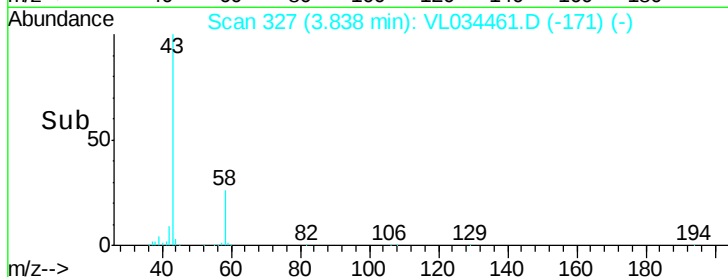
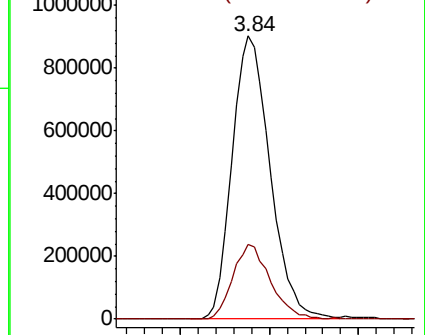
apatel

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.815 ppbv

RT: 3.31 min Scan# 162

Delta R.T. 0.00 min

Lab File: VL034461.D

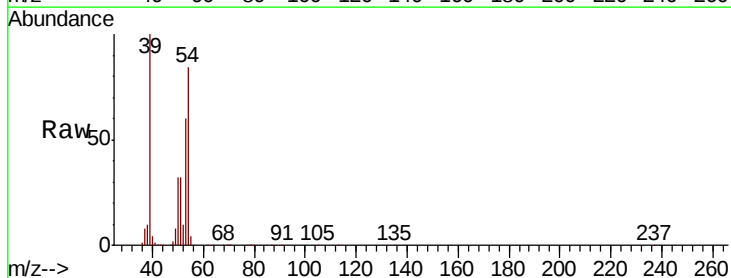
Acq: 3 Dec 2019 15:39

Tgt Ion: 39 Resp: 551087

Ion Ratio Lower Upper

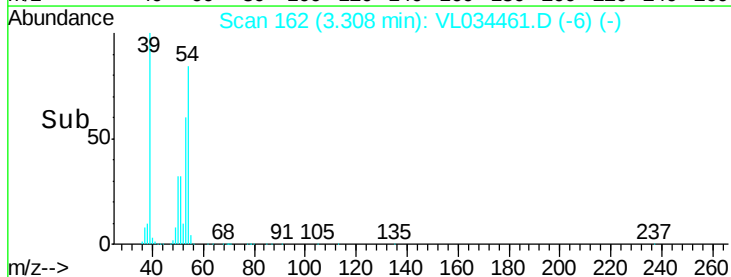
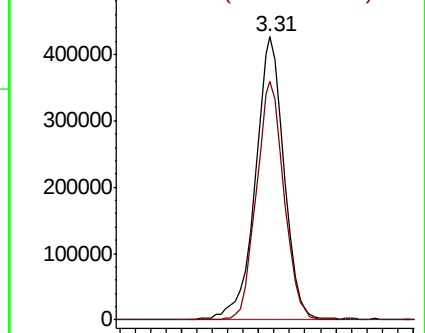
39 100

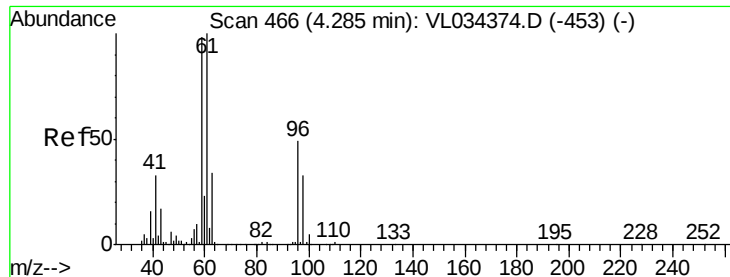
54 81.3 64.7 97.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

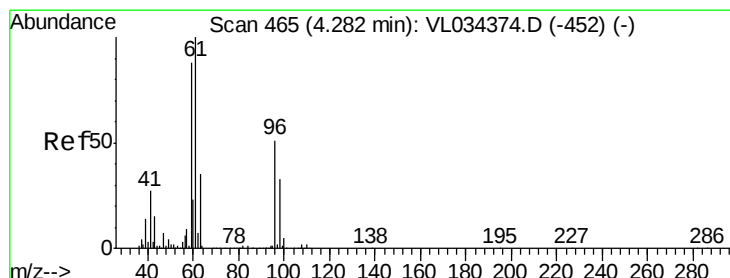
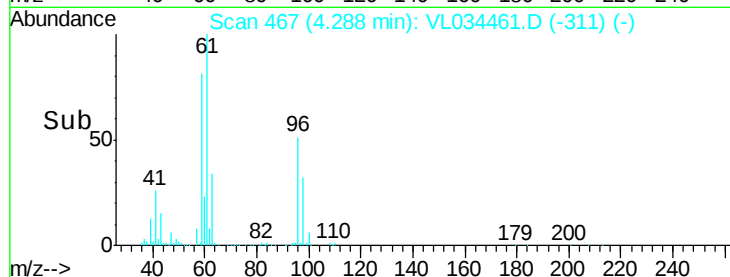
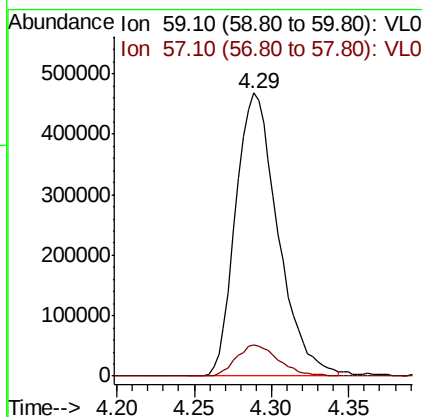
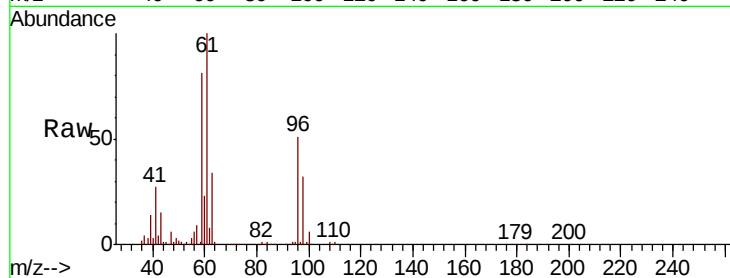
tert-Butyl alcohol
Concen: 7.381 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

Manual Integrations
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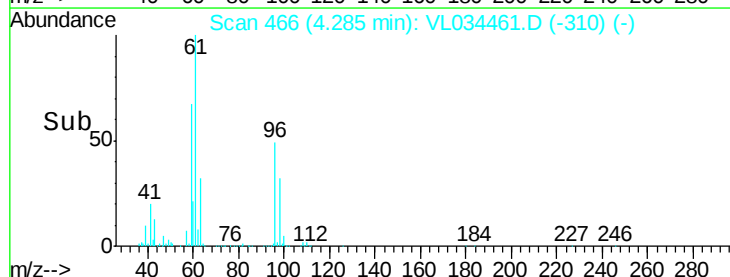
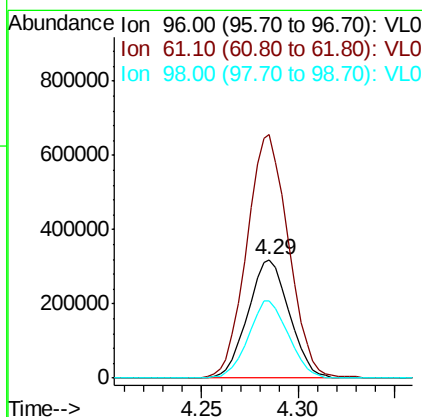
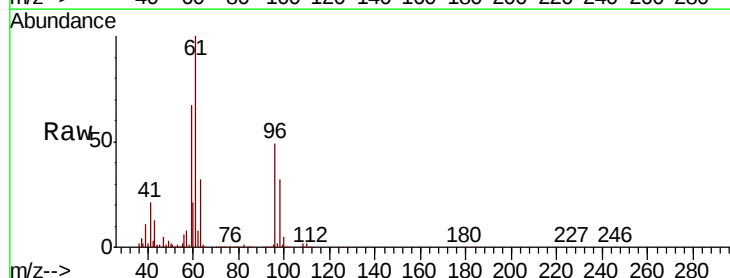
apatel
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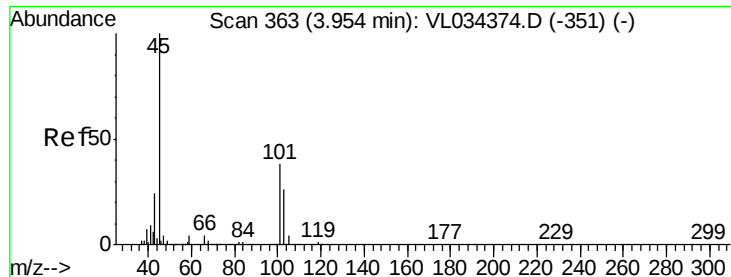


#18

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

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





#19

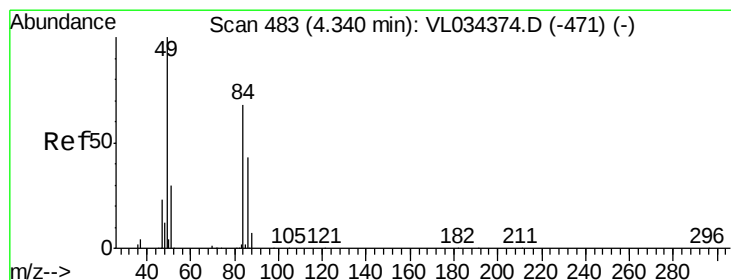
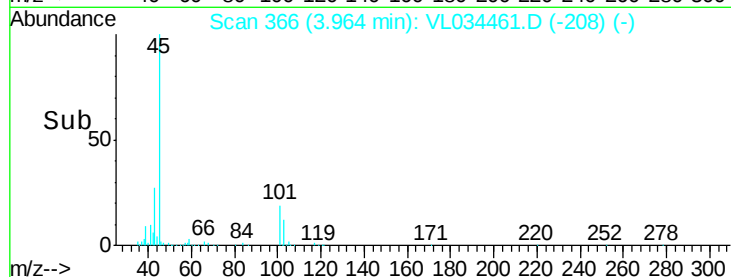
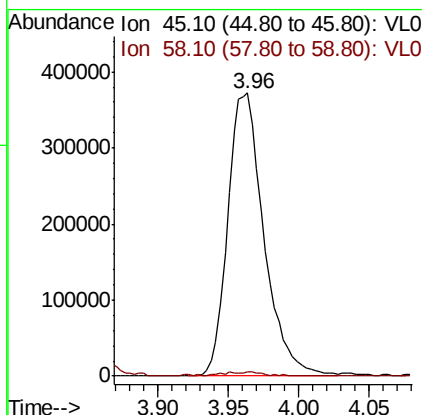
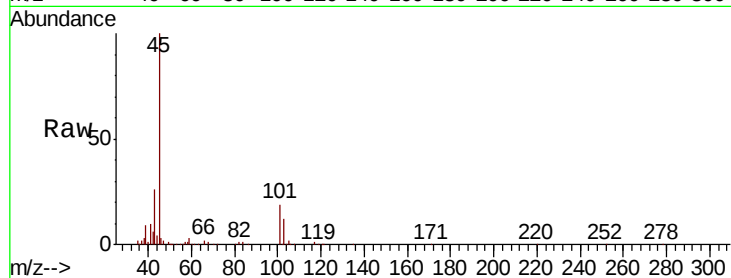
Isopropyl Alcohol
 Concen: 7.250 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.3	1.9#

Manual Integrations
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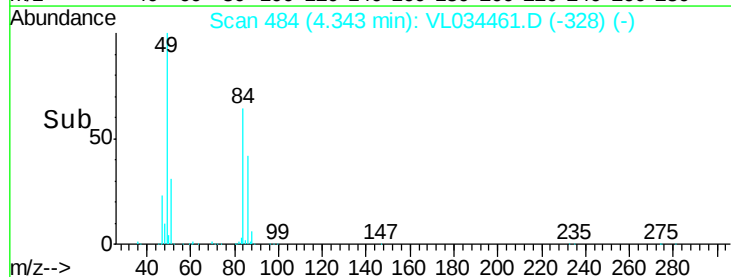
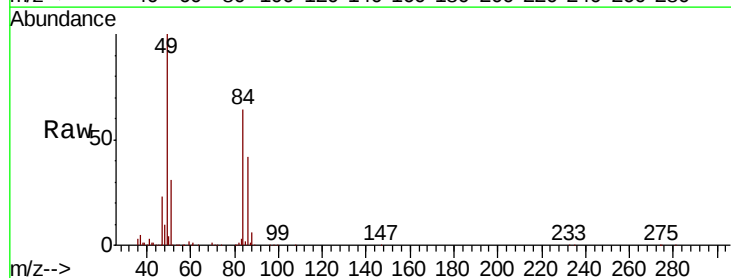
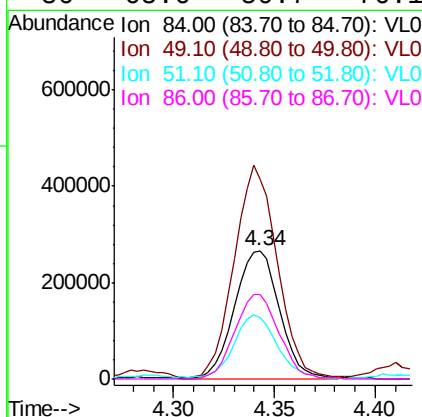
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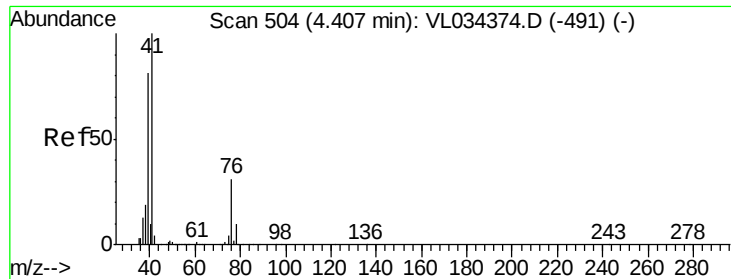


#20

Methylene Chloride
 Concen: 8.094 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	154.5	116.8	175.2
51	47.8	35.6	53.4
86	65.6	50.7	76.1





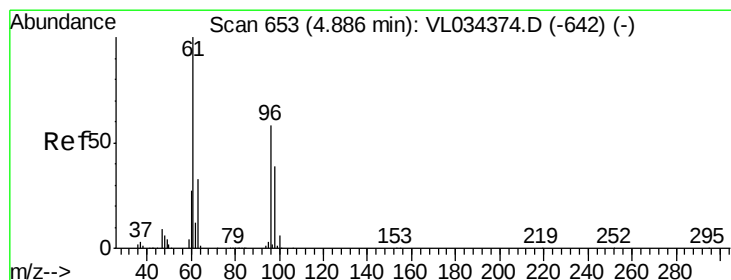
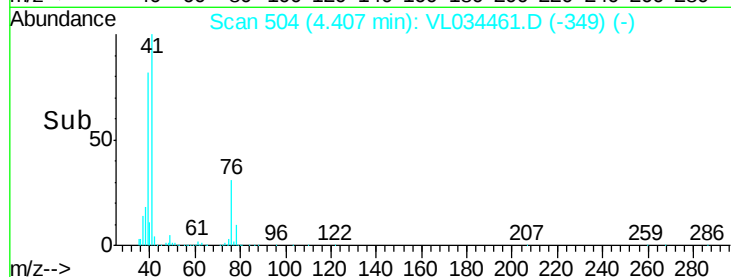
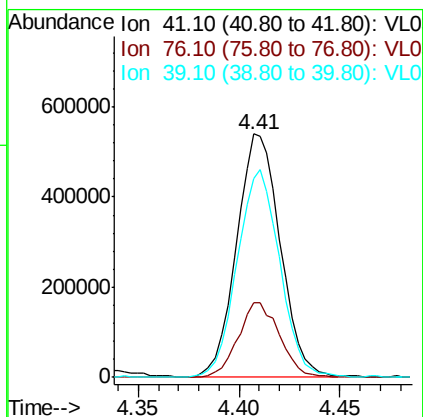
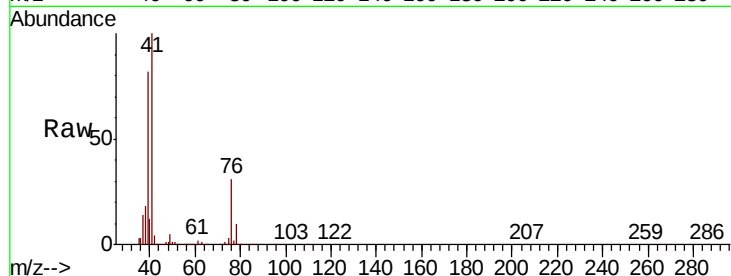
#21
Allvl Chloride
Concen: 9.429 ppbv
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

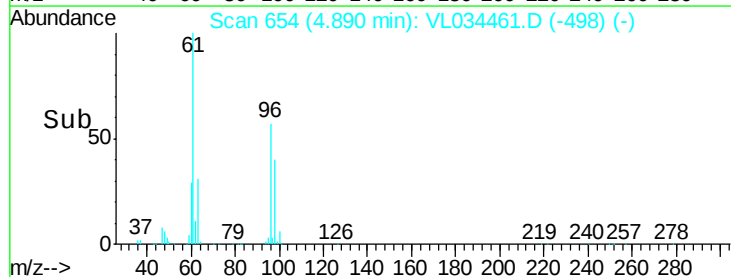
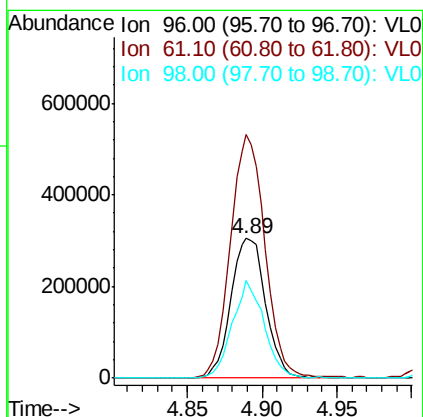
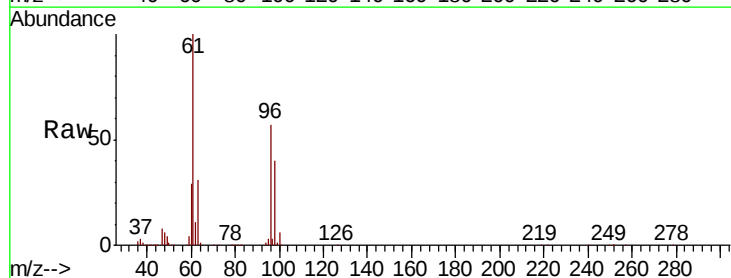
Manual Integrations
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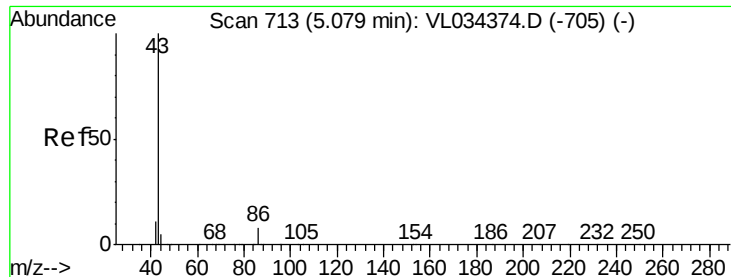
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#22
trans-1,2-Dichloroethene
Concen: 9.331 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

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





#23

Vinyl Acetate

Concen: 9.473 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

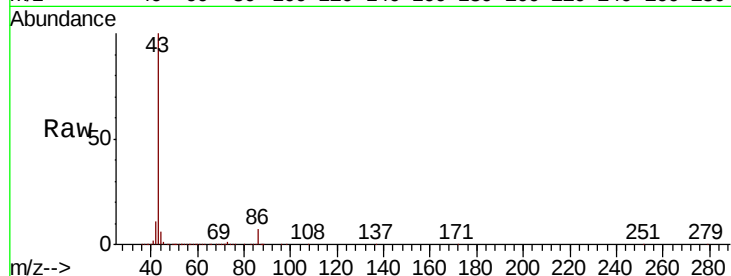
Tot Ion: 43 Resp: 1776025

Ion Ratio Lower Upper

43	100		
86	7.1	5.8	8.6
42	10.8	8.9	13.3
44	6.2	4.0	6.0

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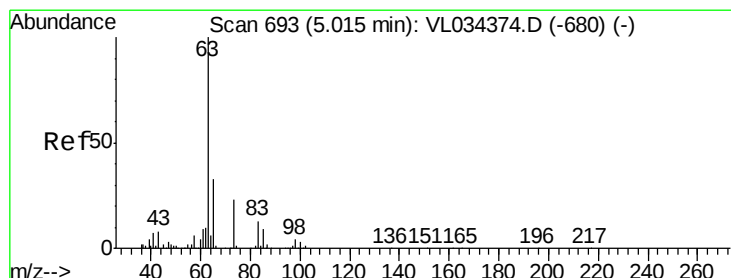
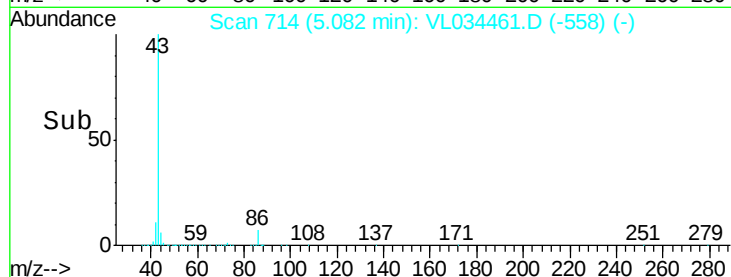
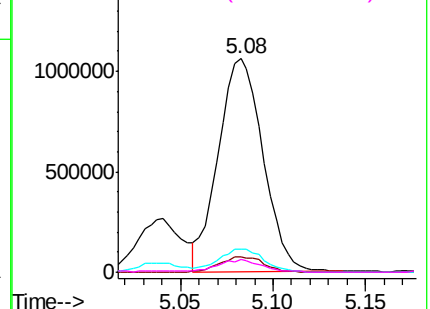


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.723 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

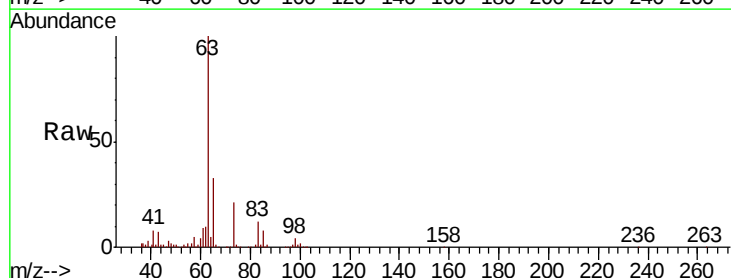
Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 63 Resp: 1256338

Ion Ratio Lower Upper

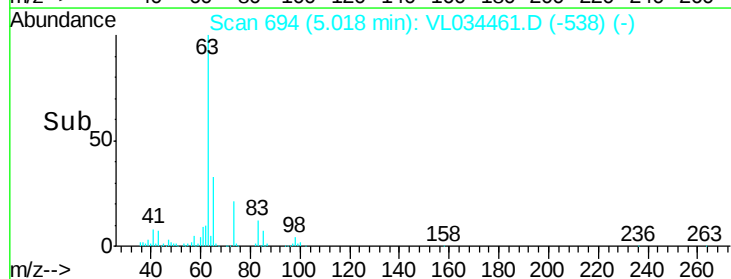
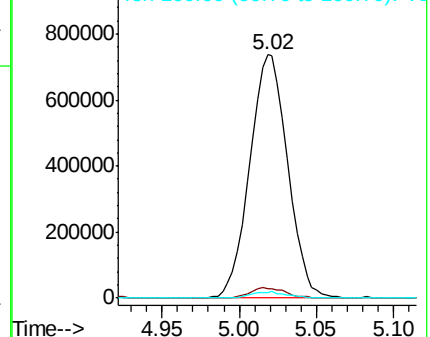
63	100		
98	3.6	1.9	5.7
100	2.3	1.4	4.0

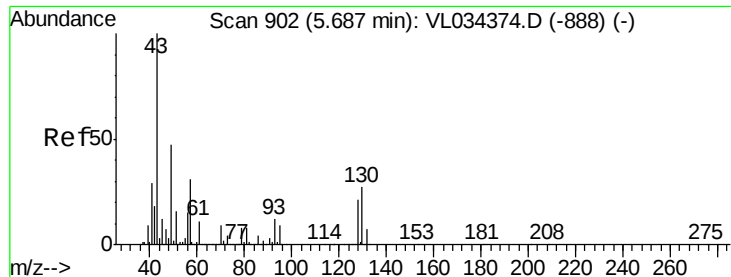


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.519 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2181862

Ion Ratio Lower Upper

43 100

45 10.5 8.2 12.4

61 9.4 7.5 11.3

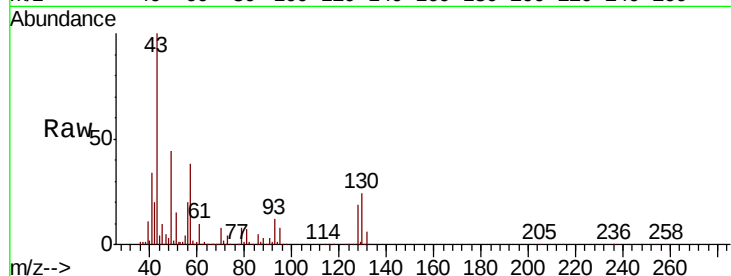
70 7.2 5.7 8.5

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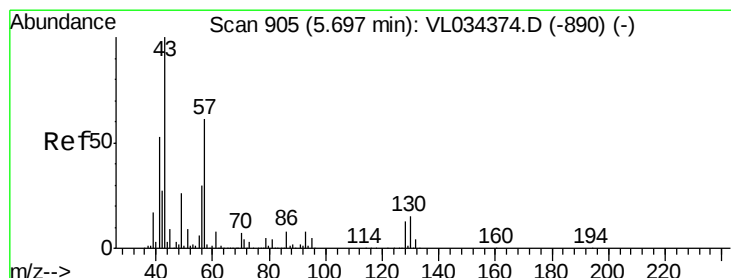
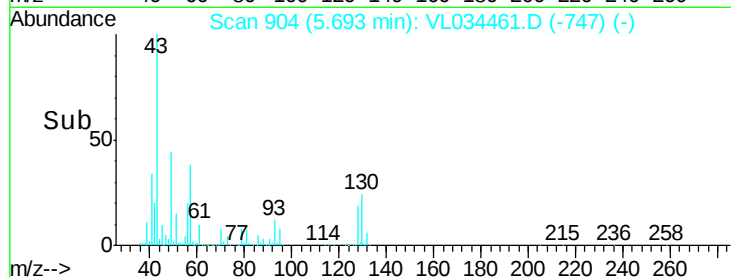
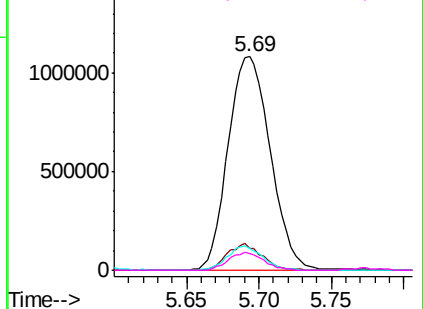


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.382 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 57 Resp: 922412

Ion Ratio Lower Upper

57 100

41 94.4 75.0 112.4

43 238.5 186.6 279.8

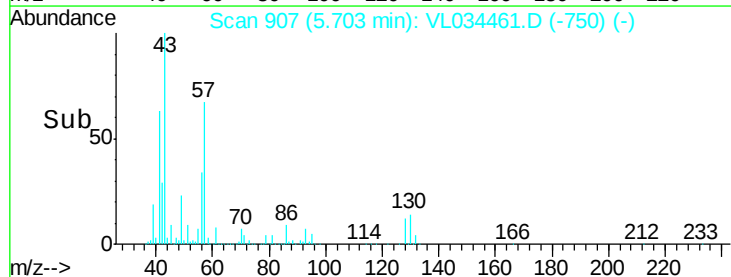
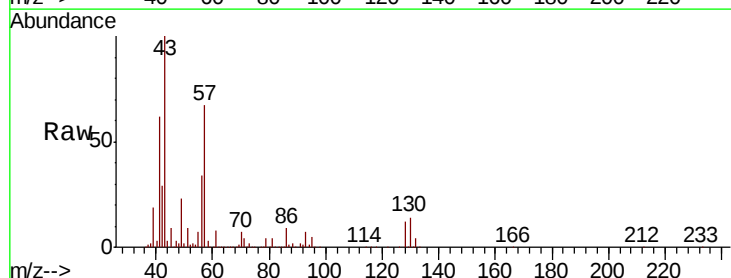
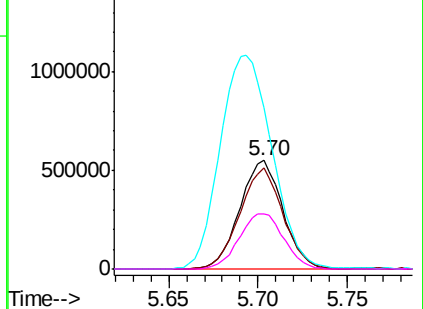
56 53.0 41.5 62.3

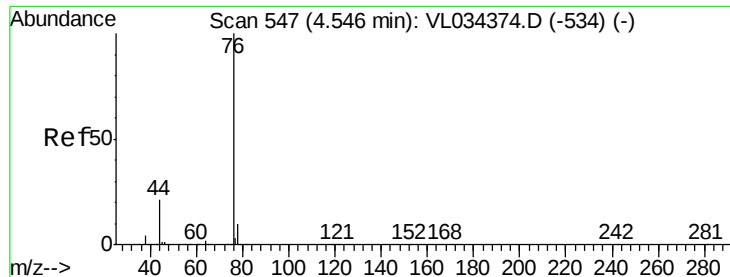
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





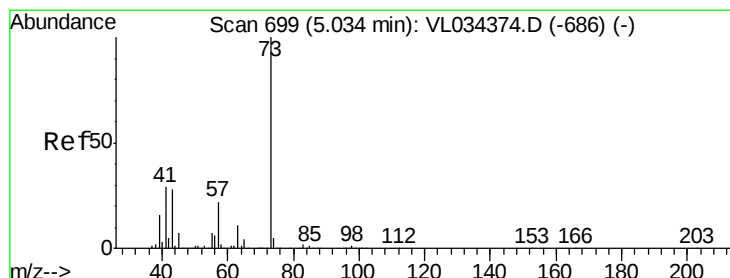
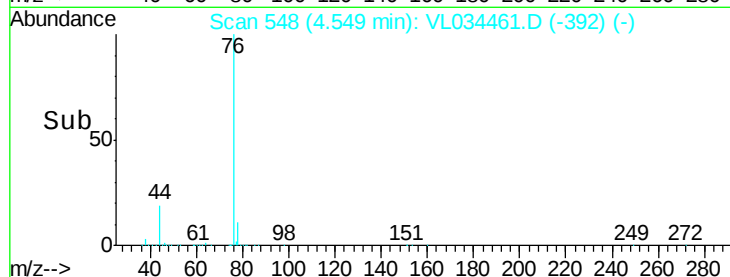
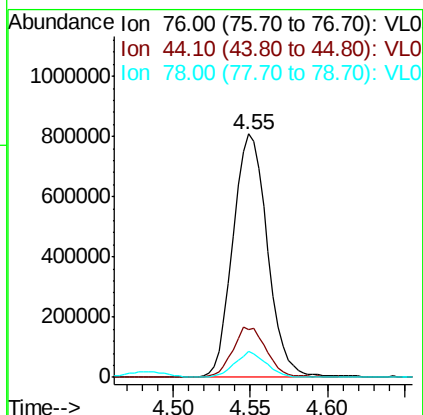
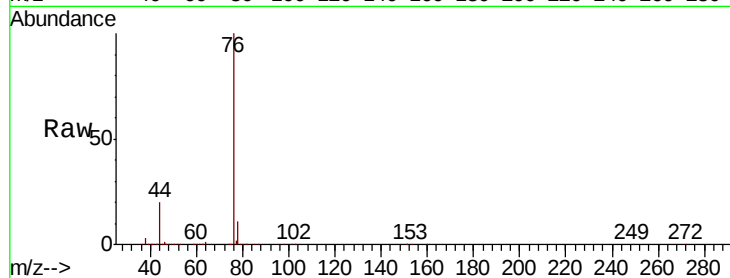
#27
Carbon Disulfide
Concen: 10.453 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

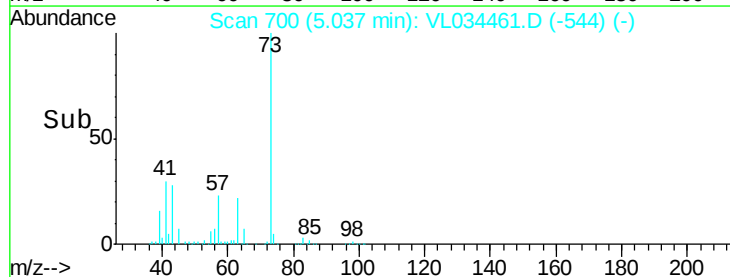
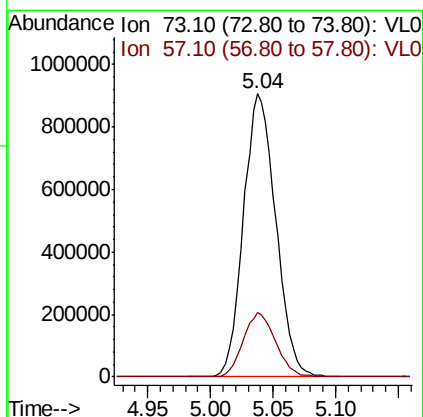
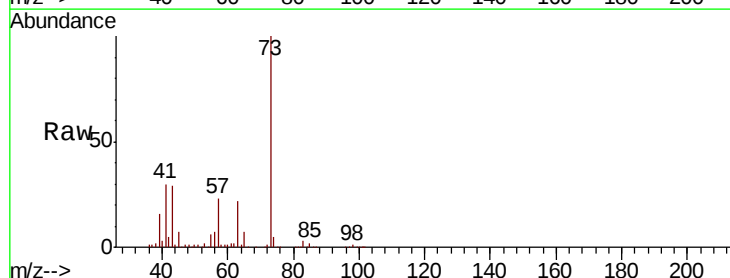
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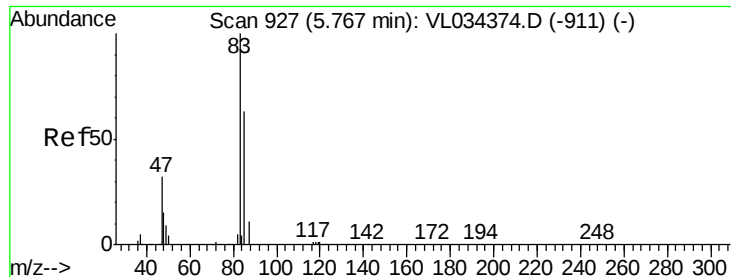
apatel
12/3/2019 5:04:15 PM



#28
Methyl tert-Butyl Ether
Concen: 8.870 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.4	27.6





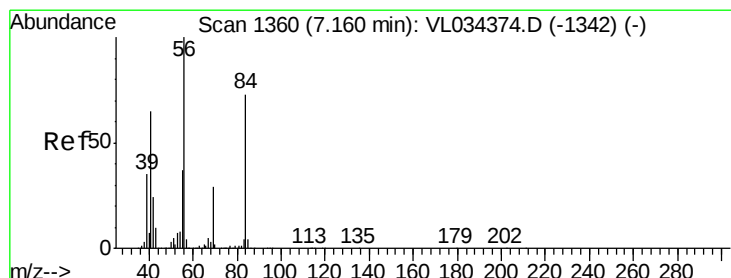
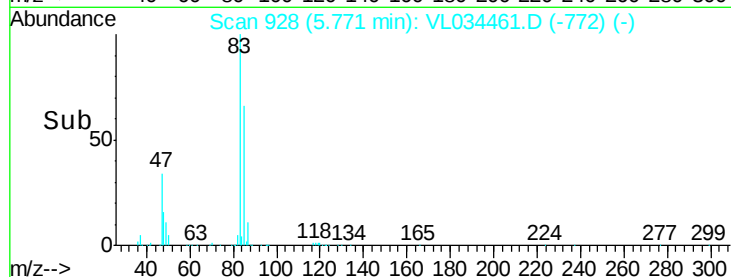
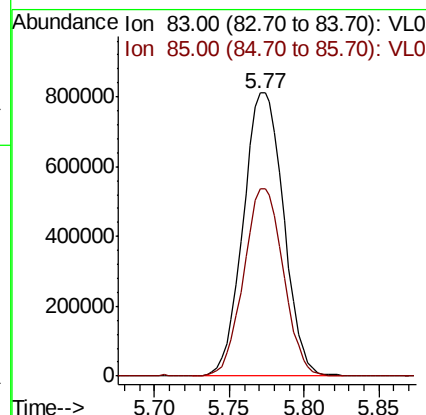
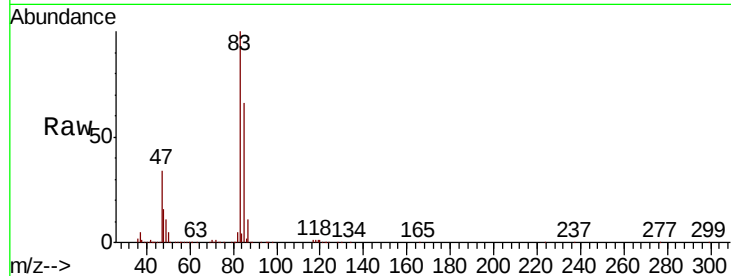
#29
Chloroform
Concen: 8.545 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

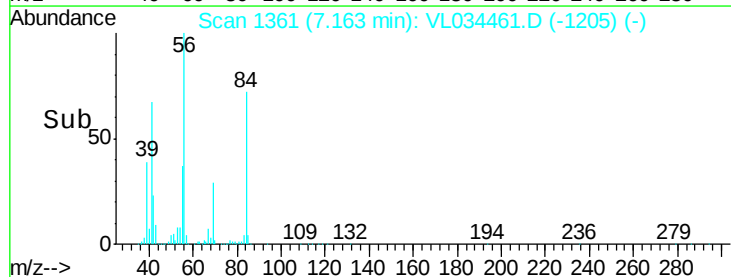
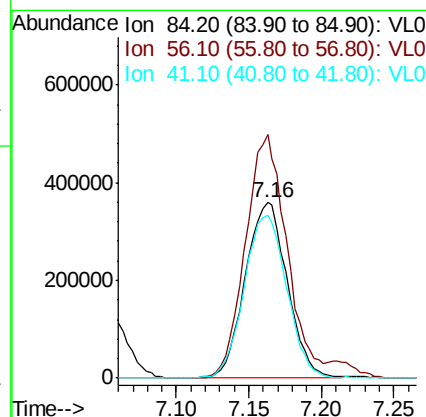
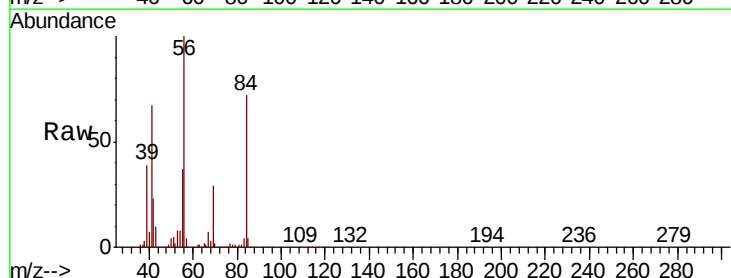
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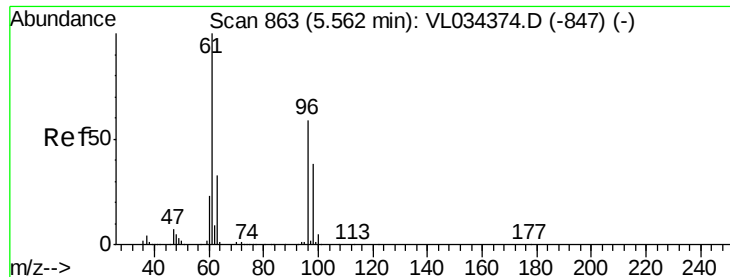
apatel
12/3/2019 5:04:15 PM



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

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





#31

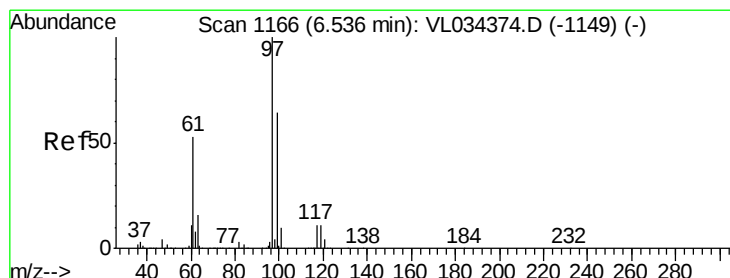
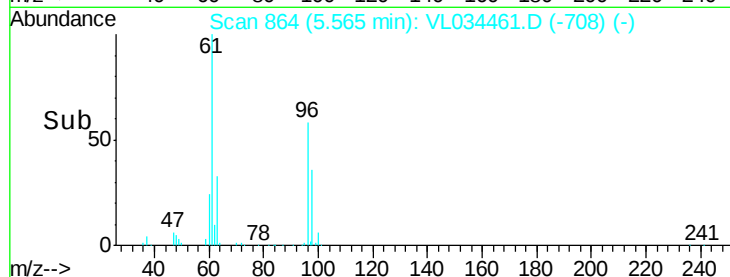
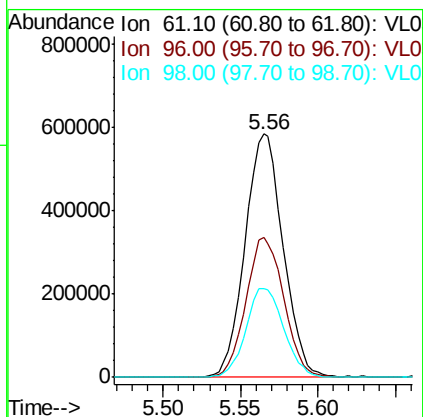
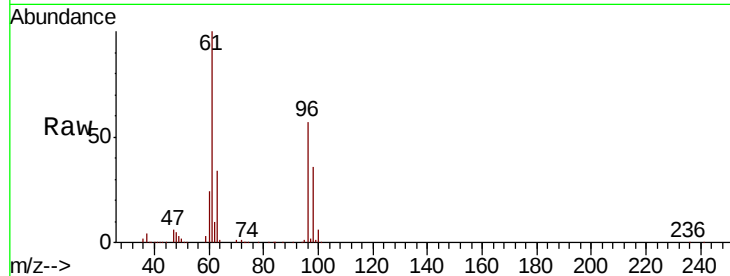
cis-1,2-Dichloroethene
 Concen: 8.821 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

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

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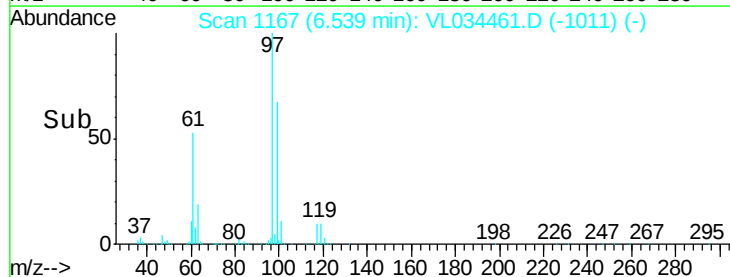
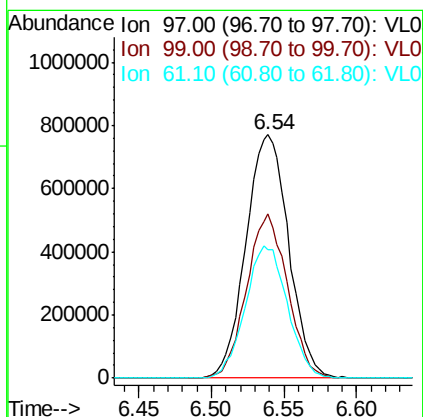
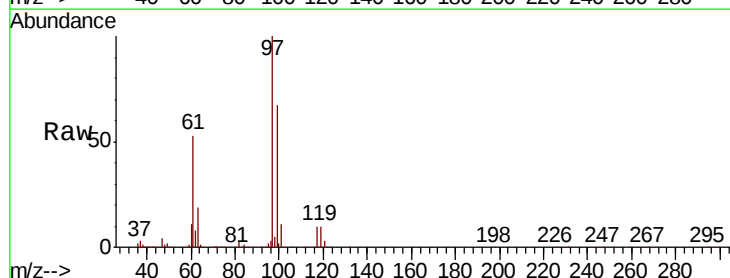
apatel
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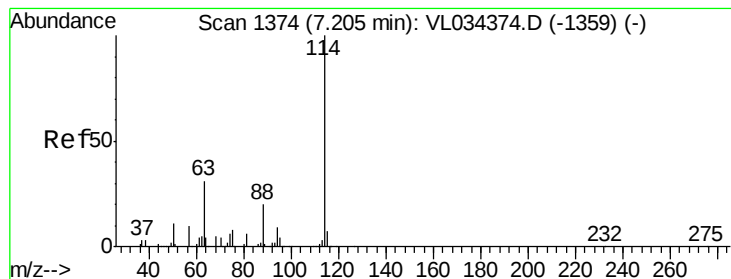


#32

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

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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.21 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 2014367

Ion Ratio Lower Upper

114 100

63 30.2 24.2 36.4

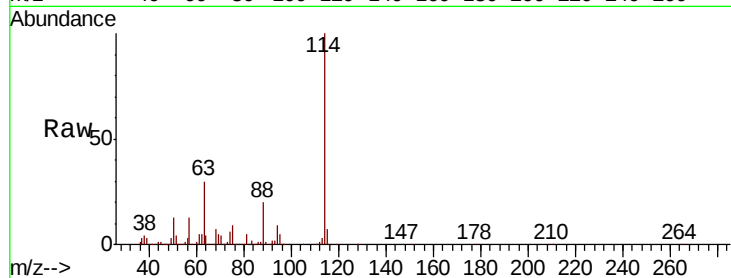
88 19.7 15.9 23.9

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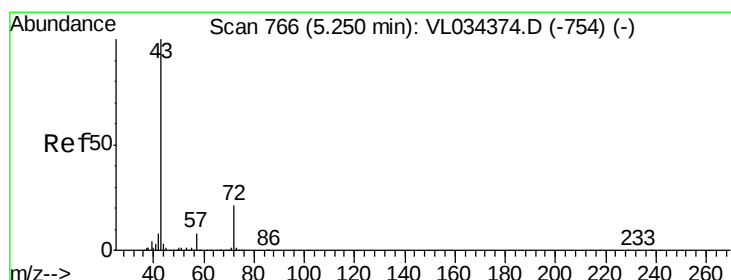
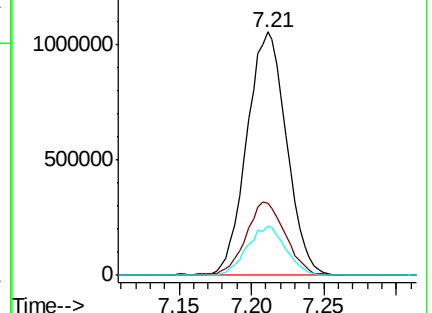
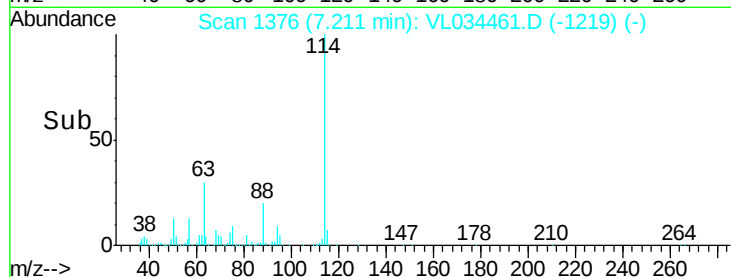
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.798 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.00 min

Lab File: VL034461.D

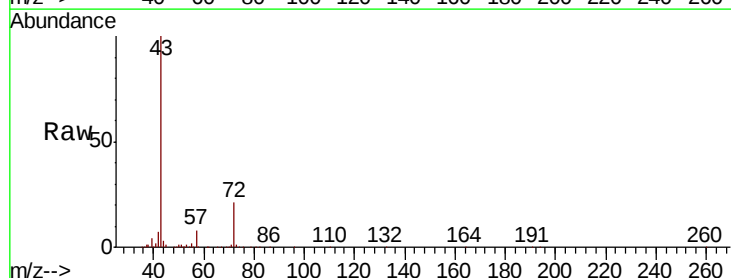
Acq: 3 Dec 2019 15:39

Tgt Ion: 43 Resp: 1458738

Ion Ratio Lower Upper

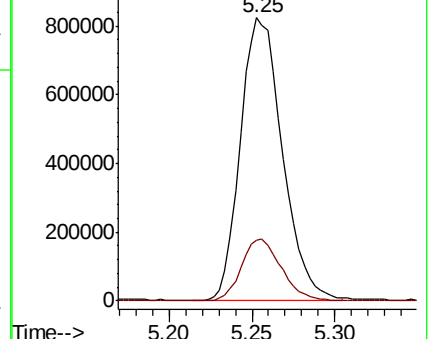
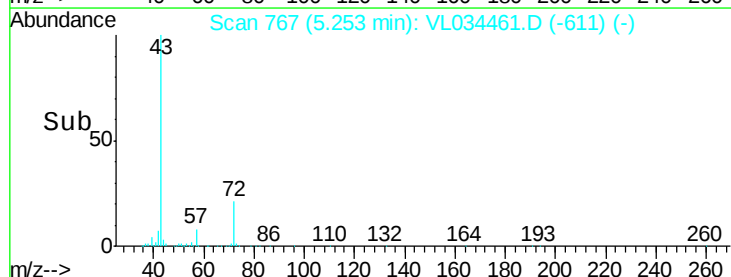
43 100

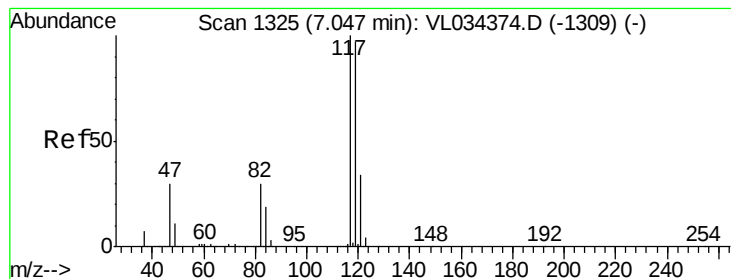
72 20.7 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.515 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 1648016

Ion Ratio Lower Upper

117 100

119 96.0 77.3 115.9

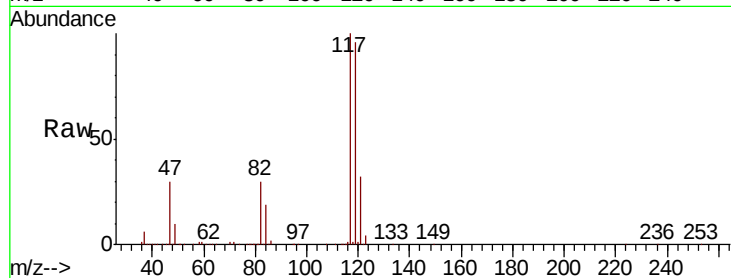
121 32.0 27.4 41.2

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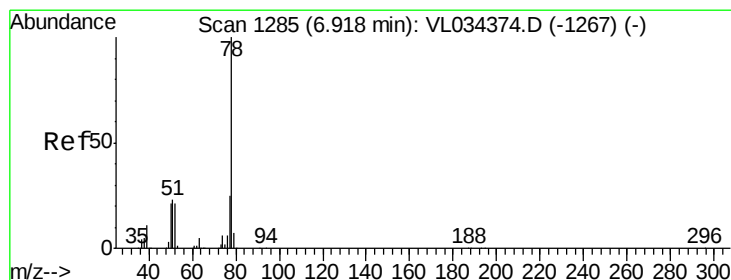
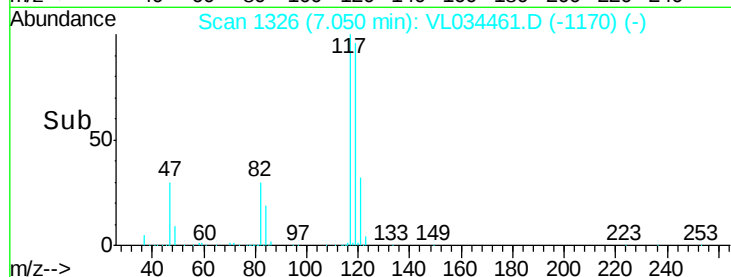
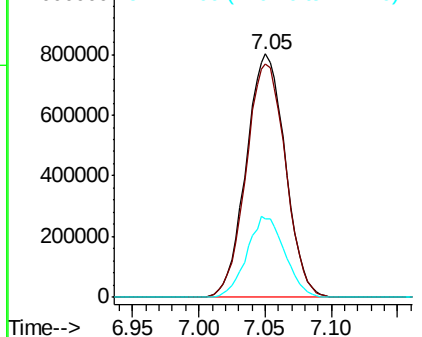
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.695 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

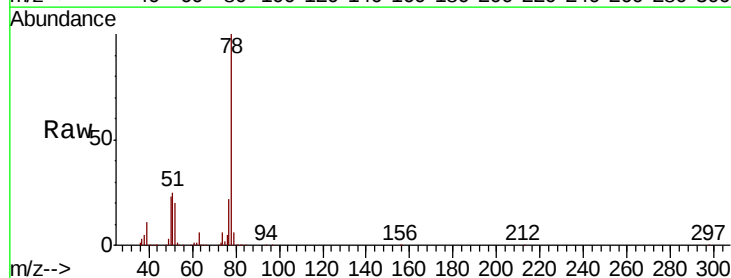
Tgt Ion: 78 Resp: 1750914

Ion Ratio Lower Upper

78 100

77 22.4 20.2 30.4

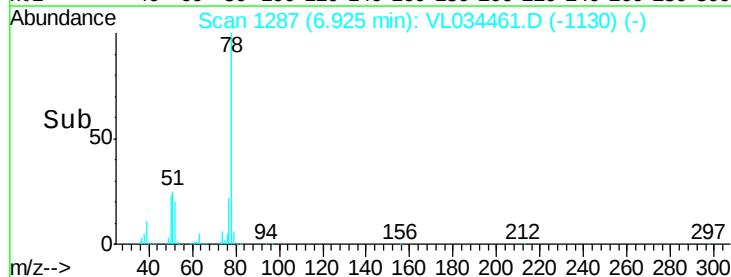
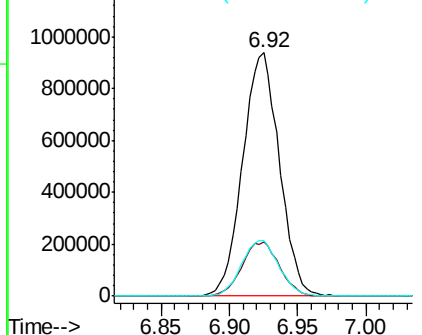
50 22.6 17.1 25.7

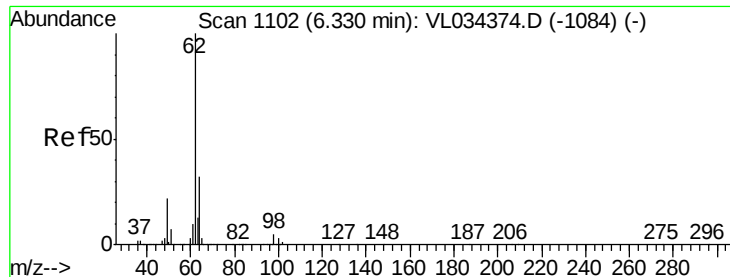


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





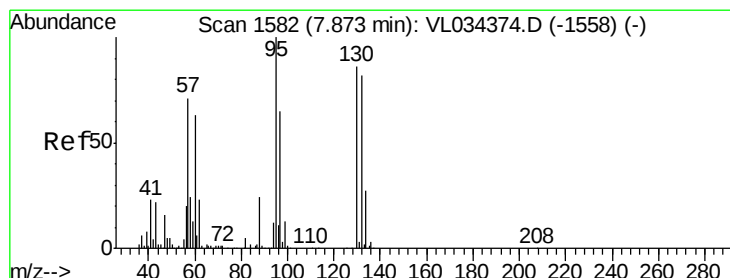
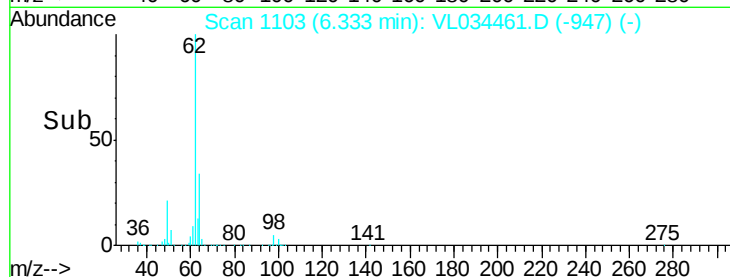
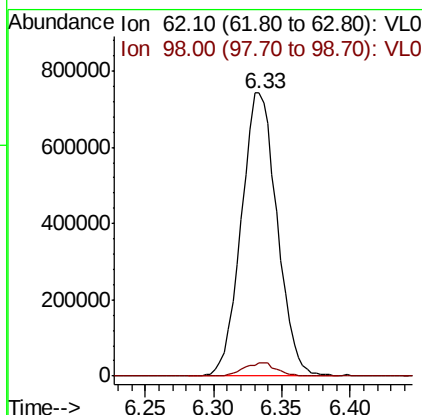
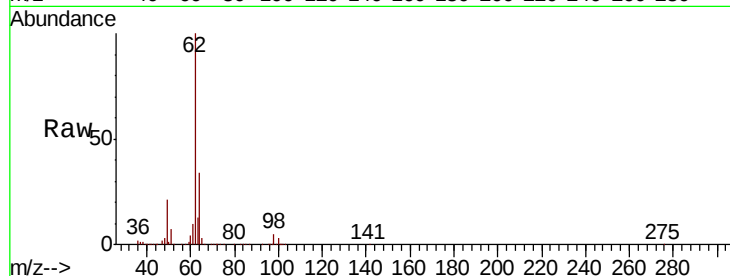
#37
 1,2-Dichloroethane
 Concen: 9.042 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1352602
 Ion Ratio Lower Upper
 62 100
 98 4.5 3.8 5.8

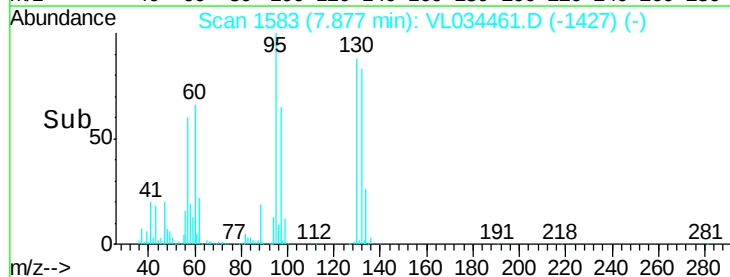
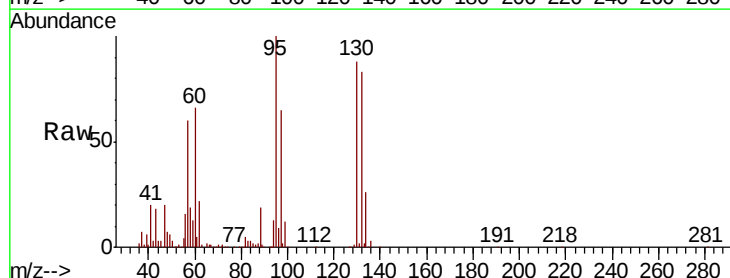
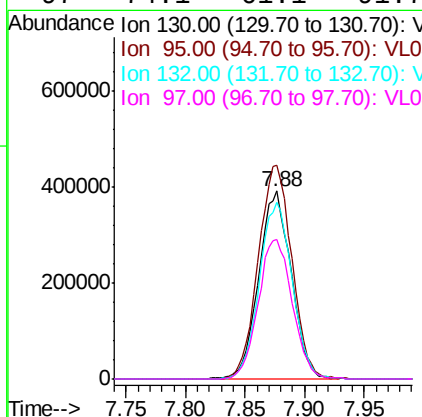
Manual Integrations
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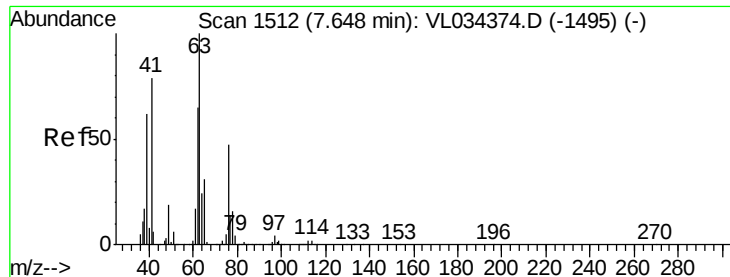
apatel
 12/3/2019 5:04:15 PM



#38
 Trichloroethene
 Concen: 8.933 ppbv
 RT: 7.88 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion: 130 Resp: 738189
 Ion Ratio Lower Upper
 130 100
 95 113.8 93.4 140.0
 132 94.4 76.4 114.6
 97 74.1 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.403 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

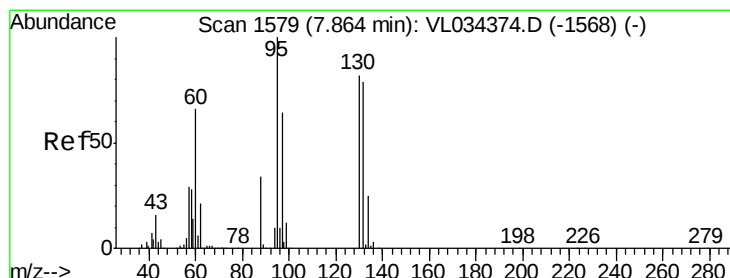
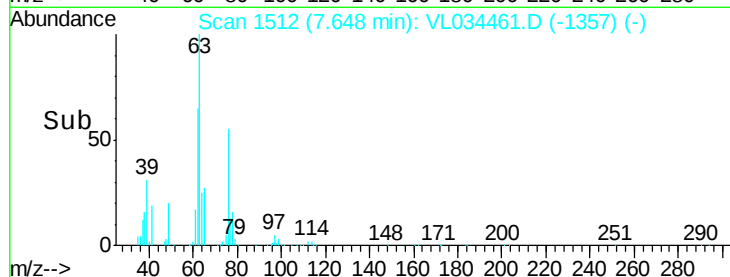
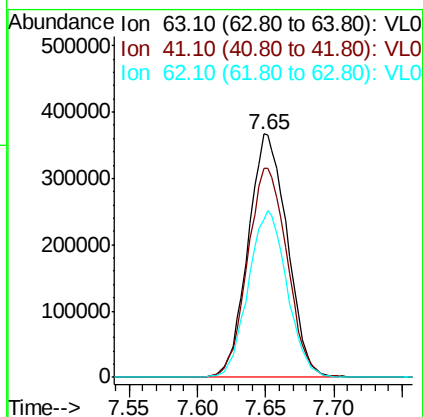
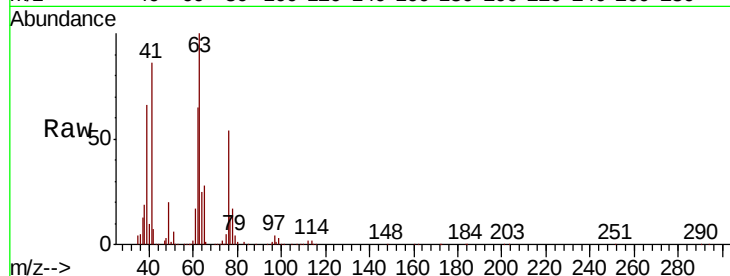
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	729416
Ion Ratio	Lower	Upper	
63	100		
41	86.0	63.1	94.7
62	64.9	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 6.801 ppbv

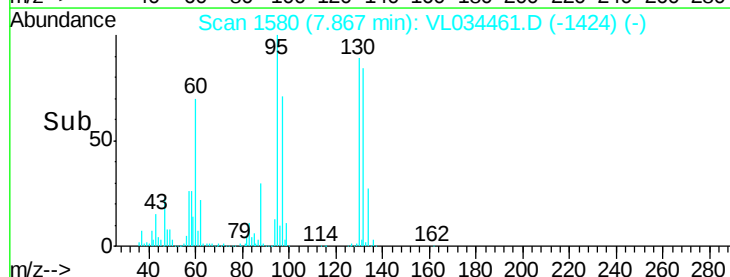
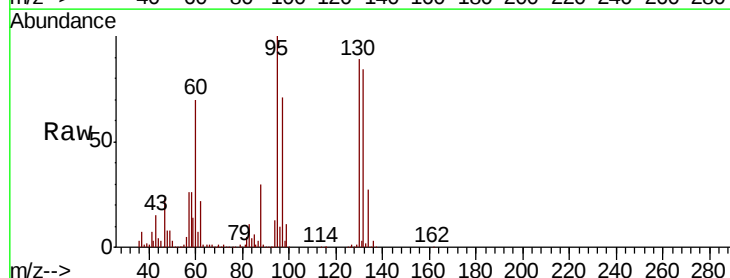
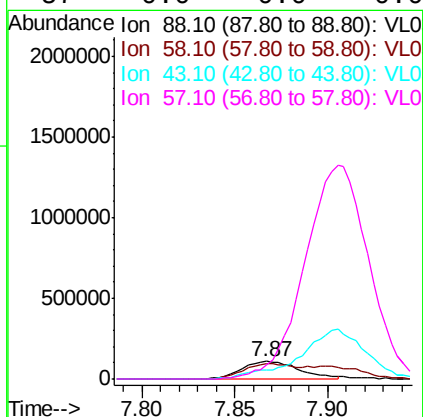
RT: 7.87 min Scan# 1580

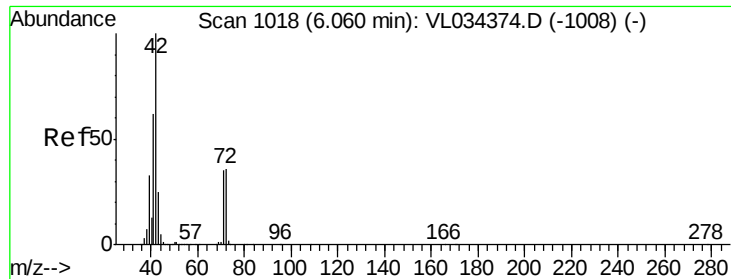
Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:	88	Resp:	230457
Ion Ratio	Lower	Upper	
88	100		
58	151.6	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0





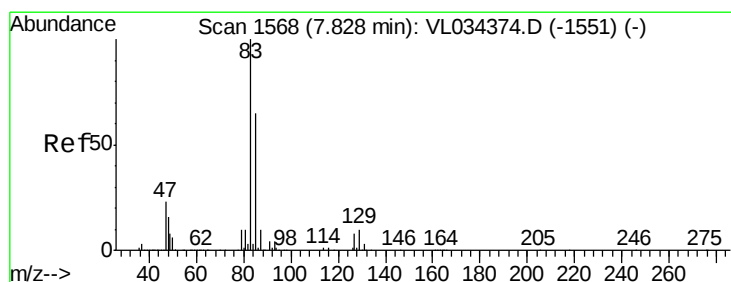
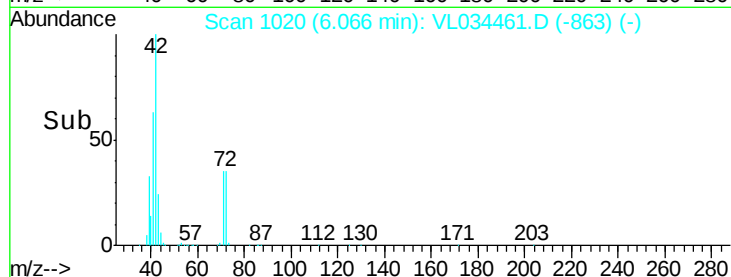
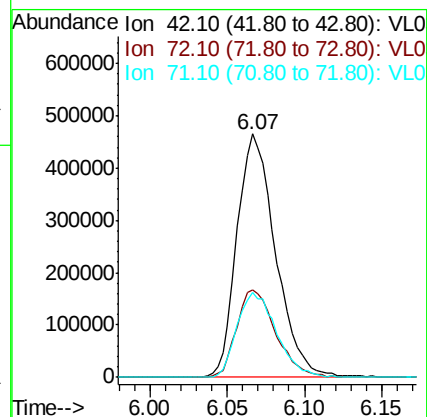
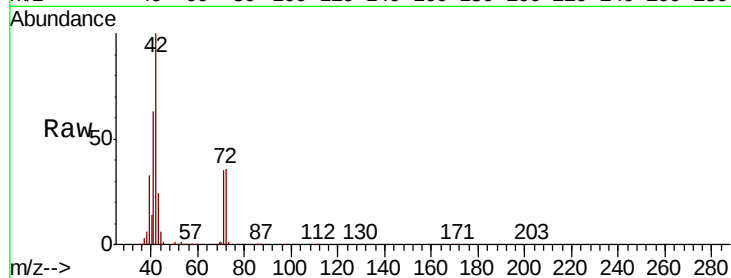
#41
Tetrahydrofuran
Concen: 8.652 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	30.2	45.4
71	35.9	29.4	44.2

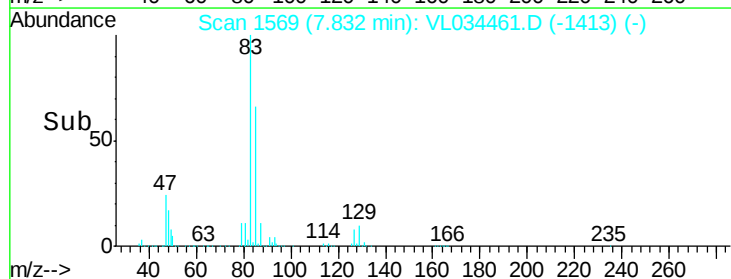
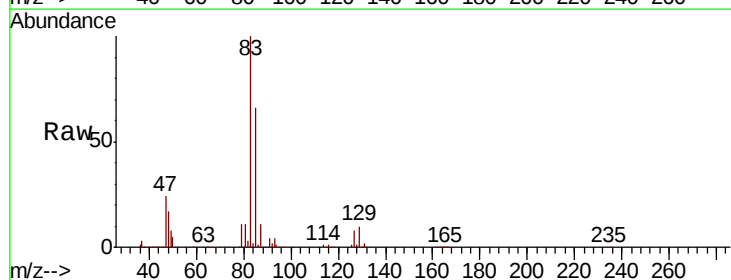
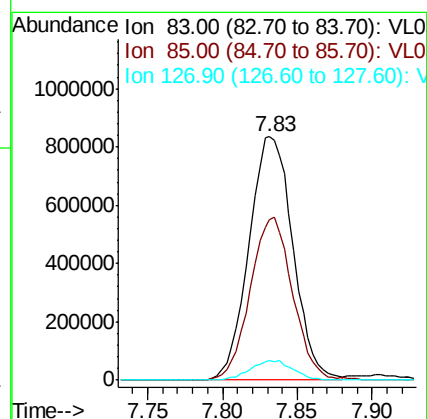
Manual Integrations
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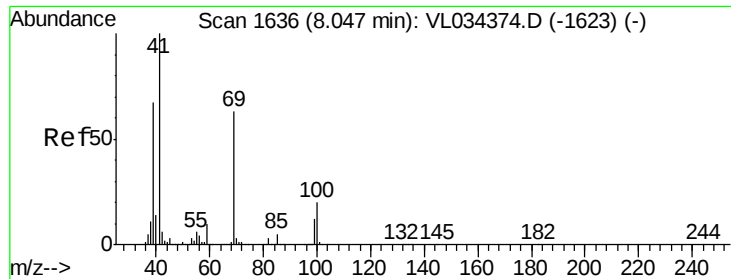
apatel
12/3/2019 5:04:15 PM



#42
Bromodichloromethane
Concen: 9.113 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.3	78.5
127	8.2	6.1	9.1





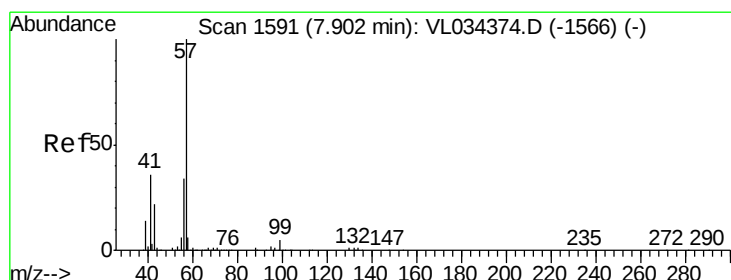
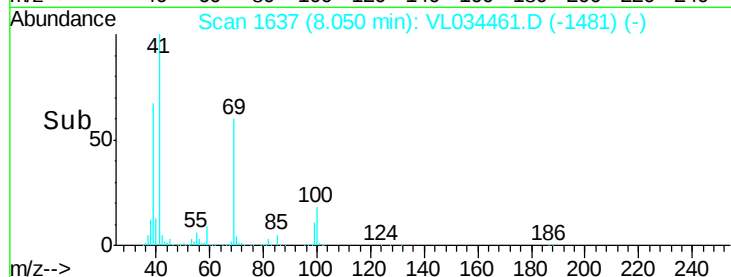
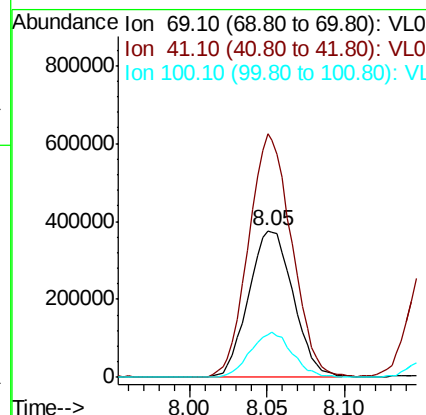
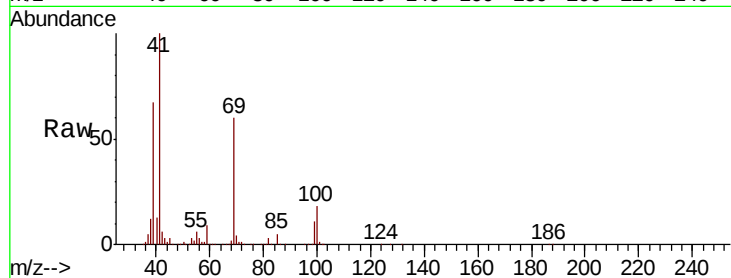
#43
Methyl Methacrylate
Concen: 9.040 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

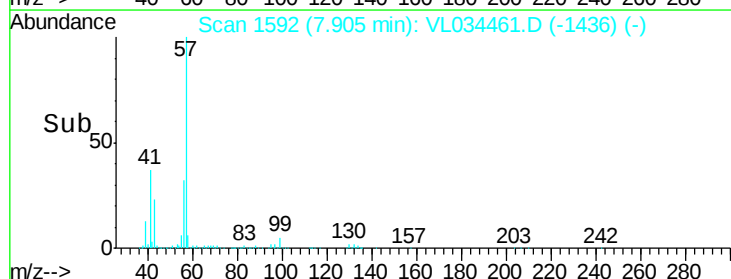
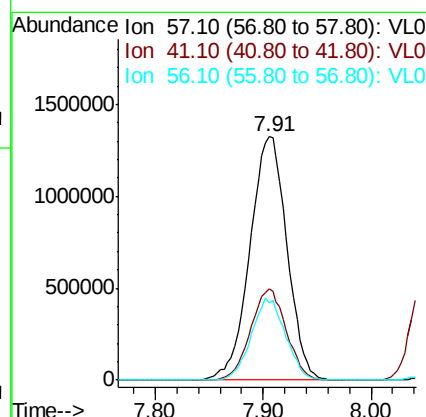
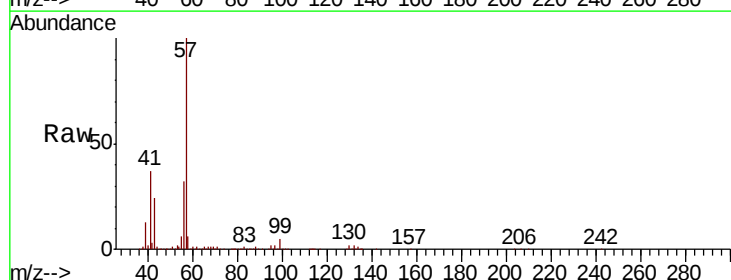
Manual Integrations
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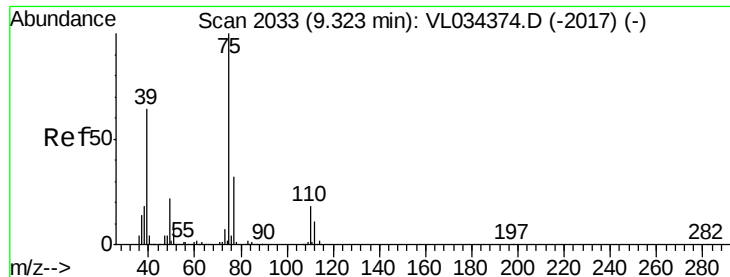
apatel
12/3/2019 5:04:15 PM



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

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





#45

t-1,3-Dichloropropene

Concen: 9.843 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1054308

Ion Ratio Lower Upper

75 100

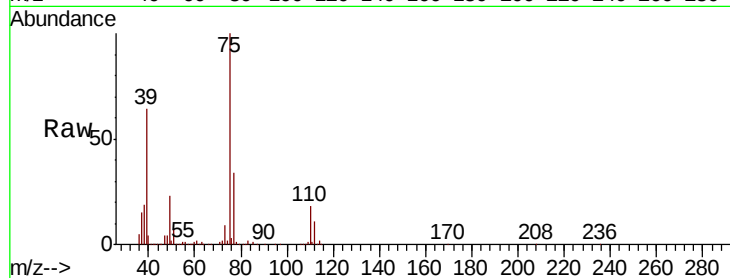
77 34.2 25.4 38.2

Manual Integrations

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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

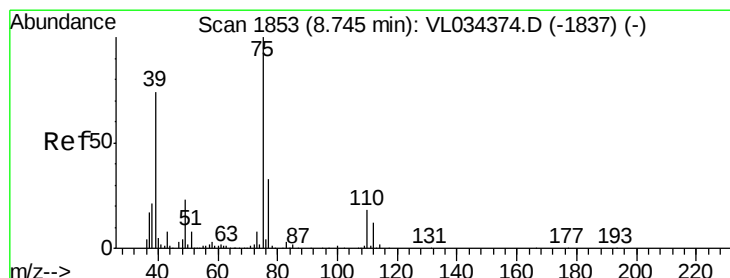
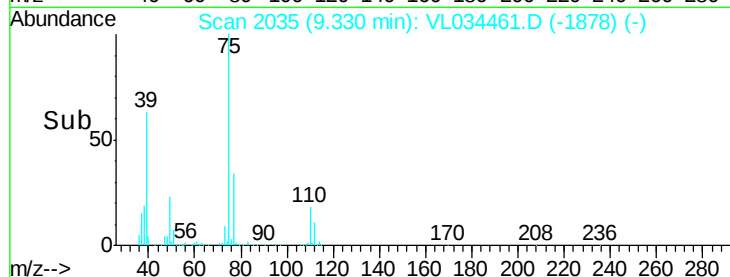
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.737 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

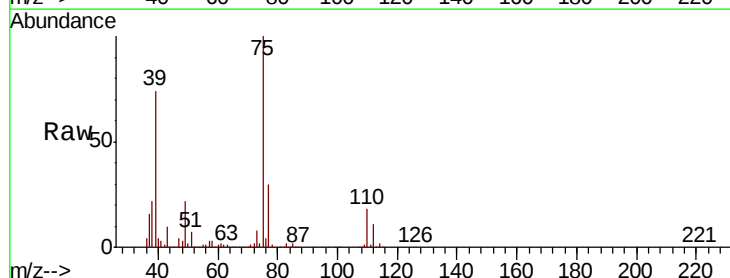
Tgt Ion: 75 Resp: 1171507

Ion Ratio Lower Upper

75 100

39 73.6 59.0 88.6

77 30.2 26.4 39.6



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

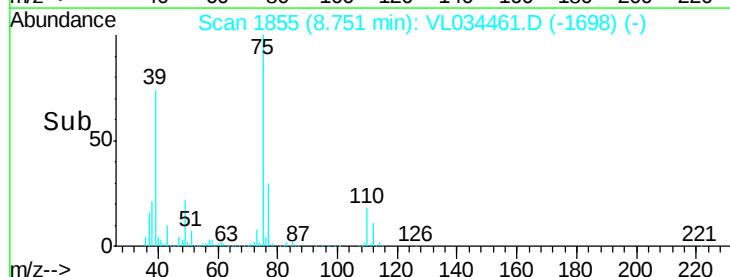
600000

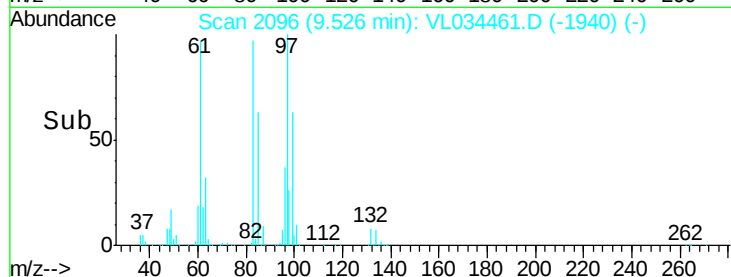
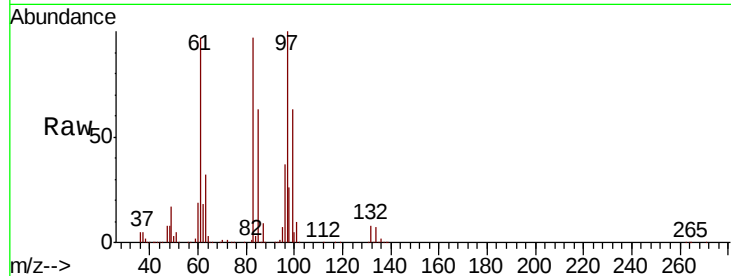
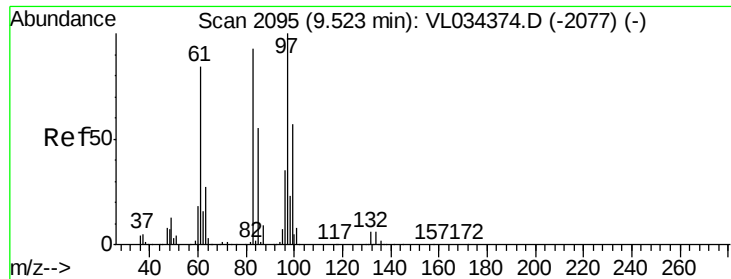
400000

200000

0

Time-->





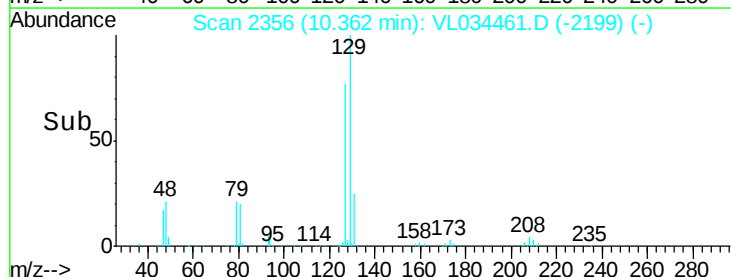
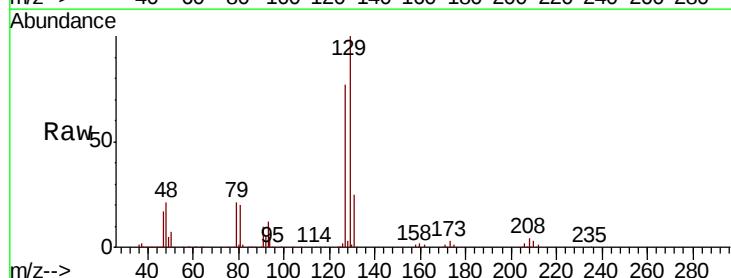
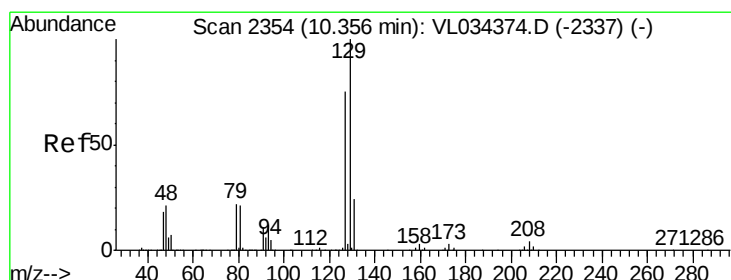
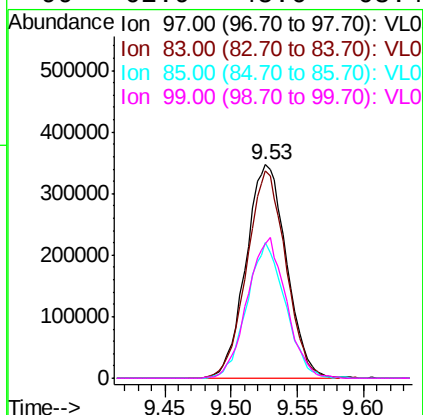
#47
1,1,2-Trichloroethane
Concen: 8.561 ppbv
RT: 9.53 min Scan# 2096
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tot Ion	Ratio	Lower	Upper
97	100		
83	97.4	74.6	112.0
85	63.4	43.8	65.8
99	62.9	45.6	68.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

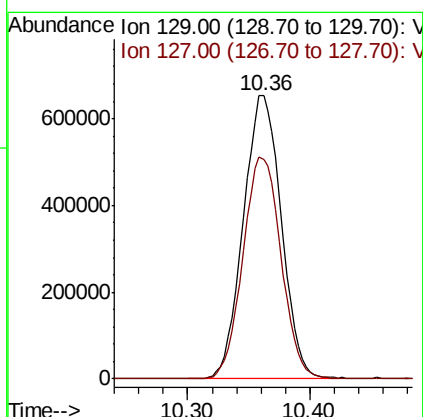
Manual Integrations
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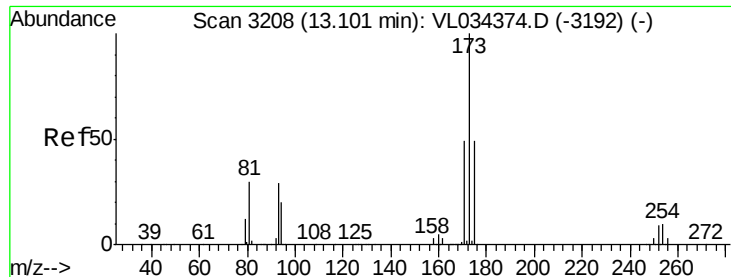
apatel
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#48
Dibromochloromethane
Concen: 9.472 ppbv
RT: 10.36 min Scan# 2356
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5





#49

Bromoform

Concen: 9.413 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1245078

Ion Ratio Lower Upper

173 100

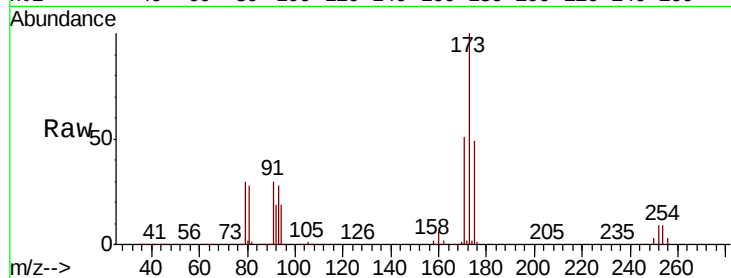
175 48.8 39.3 58.9

171 51.1 42.4 63.6

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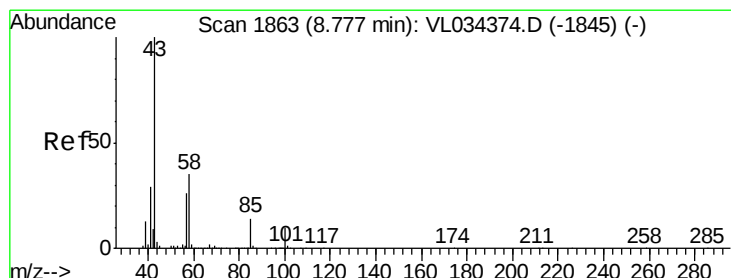
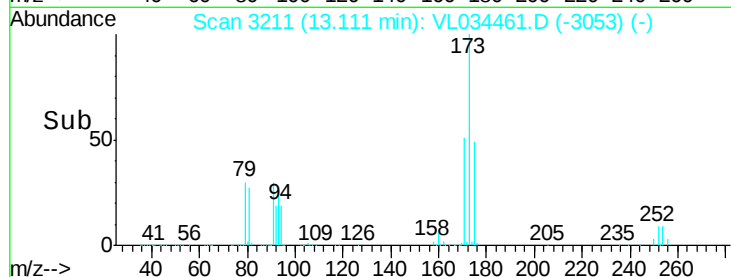
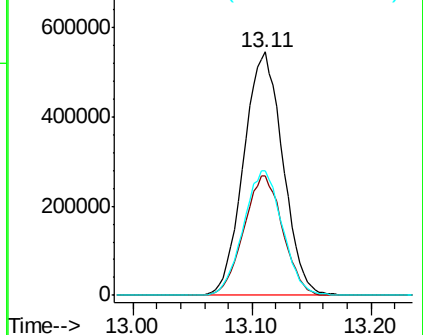
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.911 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VL034461.D

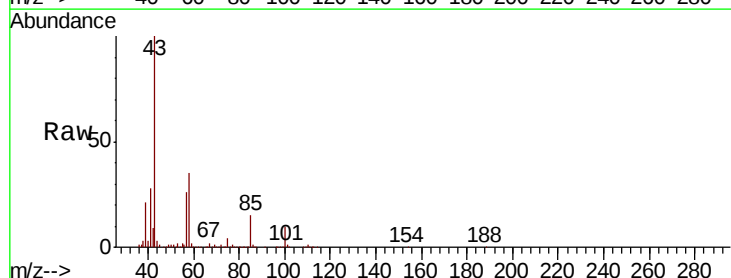
Acq: 3 Dec 2019 15:39

Tgt Ion: 43 Resp: 2137675

Ion Ratio Lower Upper

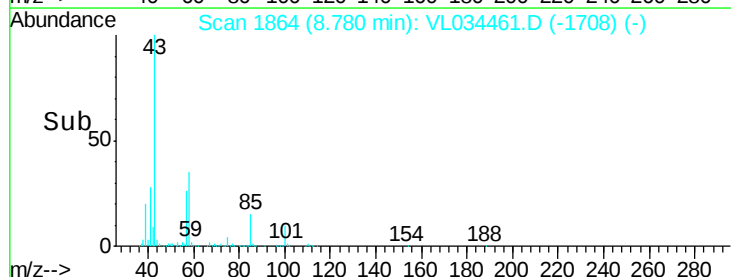
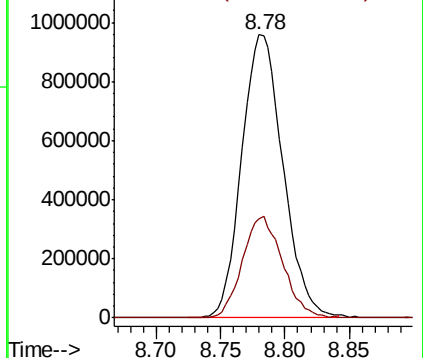
43 100

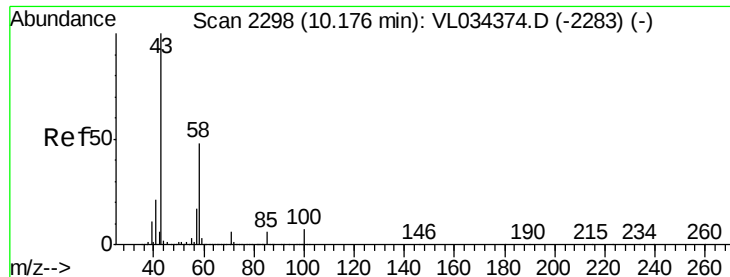
58 34.9 27.9 41.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





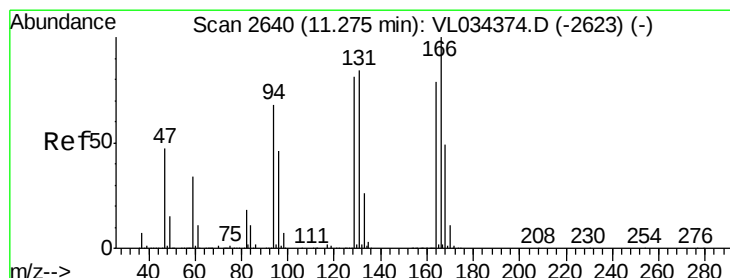
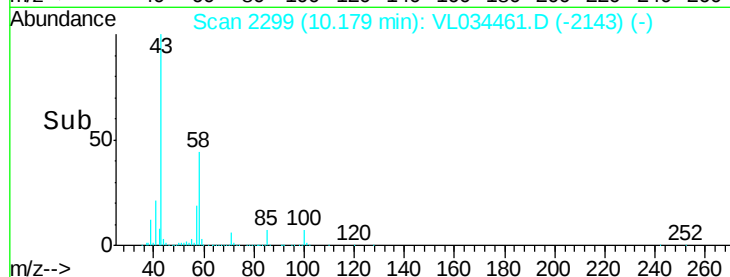
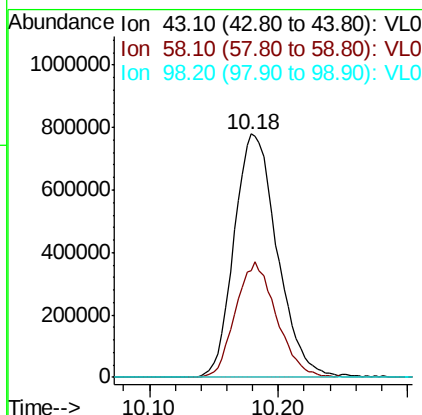
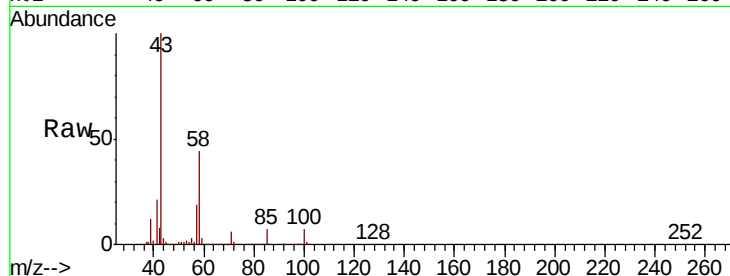
#51
2-Hexanone
Concen: 8.989 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

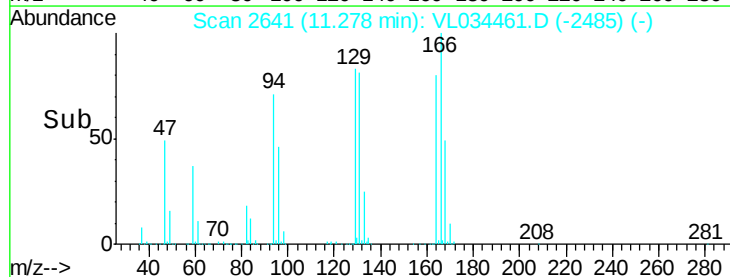
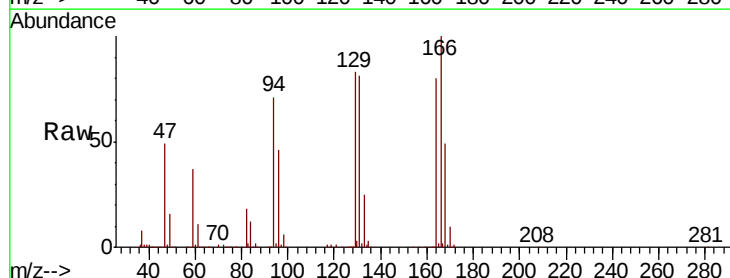
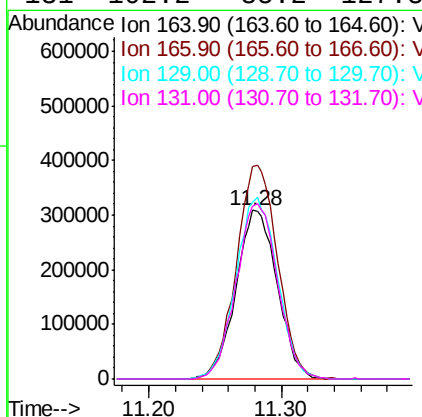
Manual Integrations
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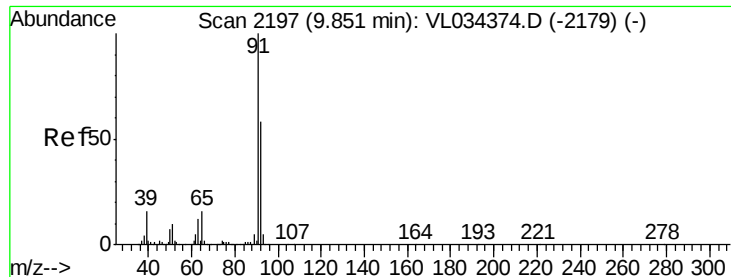
apatel
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#52
Tetrachloroethene
Concen: 7.599 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

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





#53

Toluene

Concen: 8.852 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tot Ion: 91 Resp: 2024623

Ion Ratio Lower Upper

91 100

92 59.9 47.9 71.9

Instrument :

MSVOA_L

ClientSampleId :

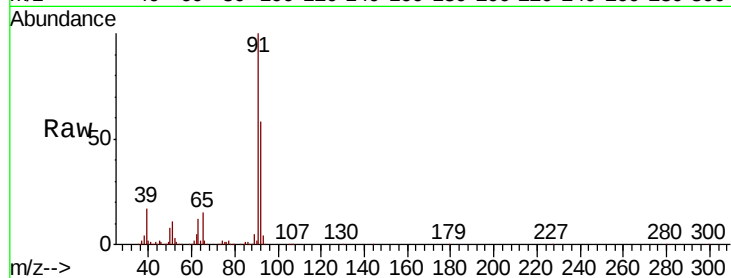
VSTDCCC010EC

Manual Integrations

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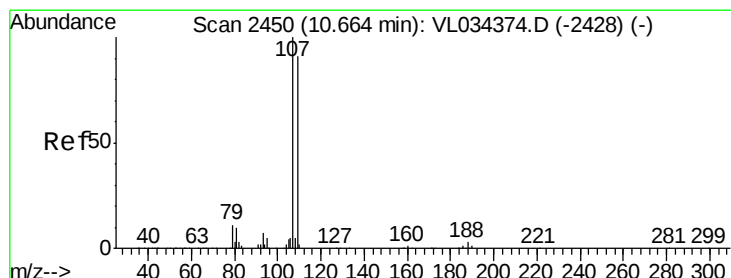
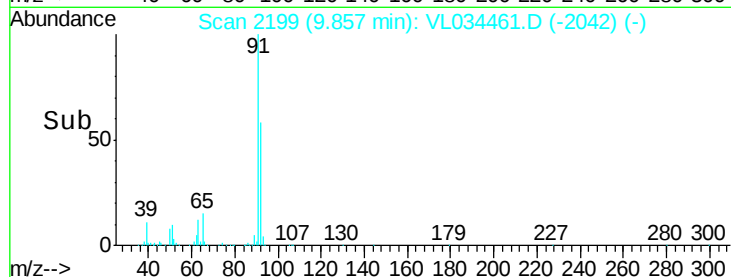
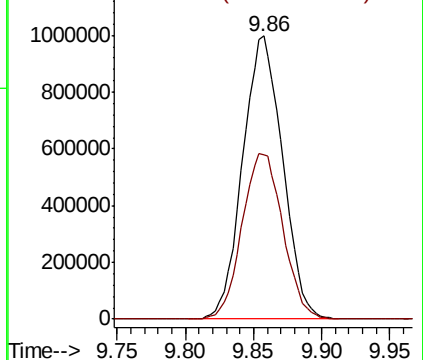
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 8.564 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. 0.00 min

Lab File: VL034461.D

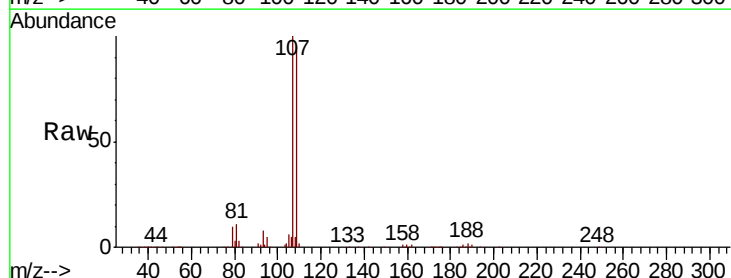
Acq: 3 Dec 2019 15:39

Tgt Ion:107 Resp: 1133068

Ion Ratio Lower Upper

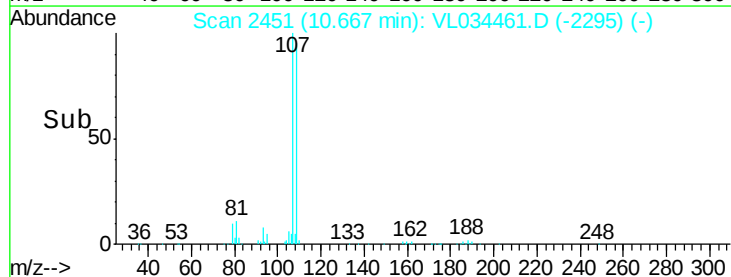
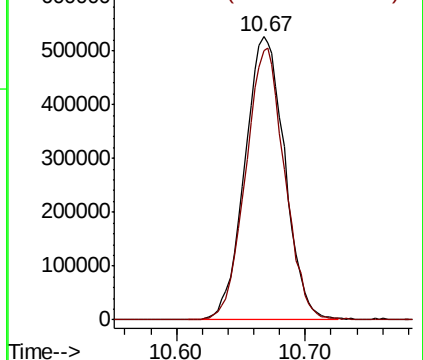
107 100

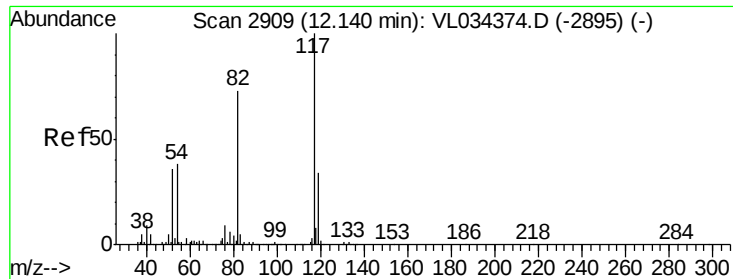
109 95.3 73.0 109.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.15 min Scan# 2912

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2080076

Ion Ratio Lower Upper

117 100

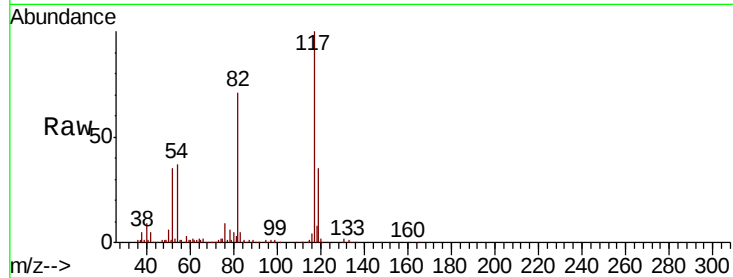
82 73.1 57.5 86.3

119 35.1 25.4 38.2

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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V

1200000

1000000

800000

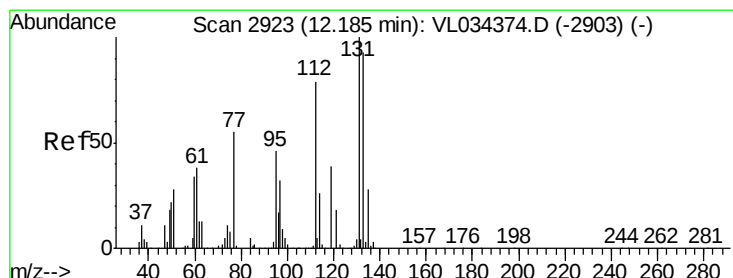
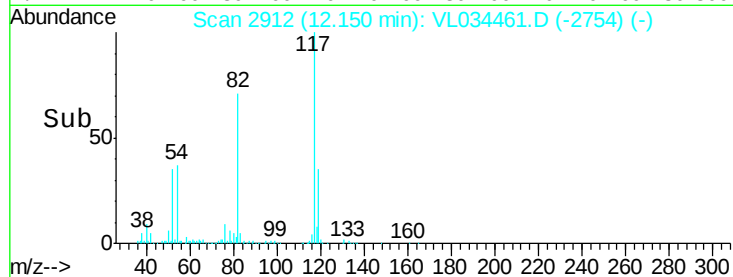
600000

400000

200000

0

Time-->



#56

1,1,1,2-Tetrachloroethane

Concen: 8.992 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

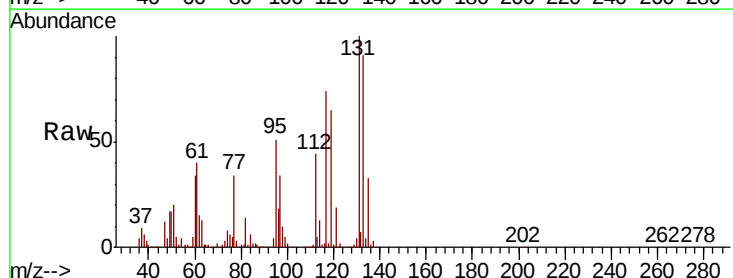
Tgt Ion:131 Resp: 914932

Ion Ratio Lower Upper

131 100

133 96.0 76.2 114.2

119 136.0 44.6 67.0#



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

500000

400000

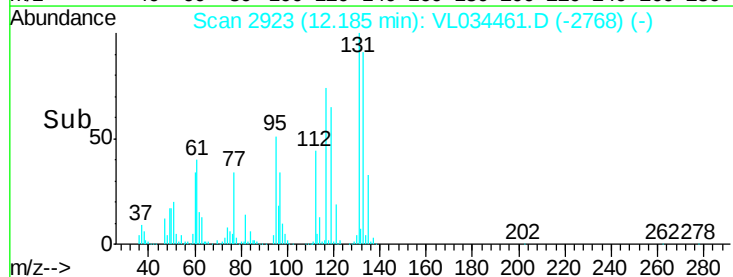
300000

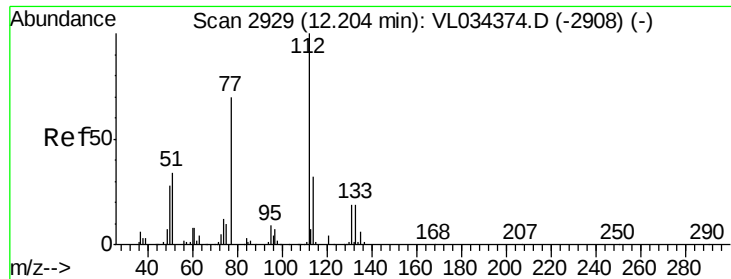
200000

100000

0

Time-->





#57

Chlorobenzene

Concen: 8.224 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 1546434

Ion Ratio Lower Upper

112 100

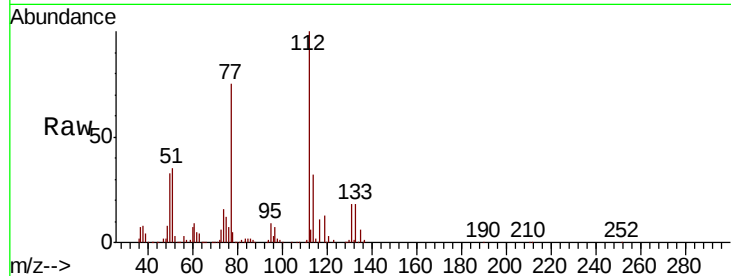
77 74.6 57.1 85.7

114 32.4 28.5 34.9

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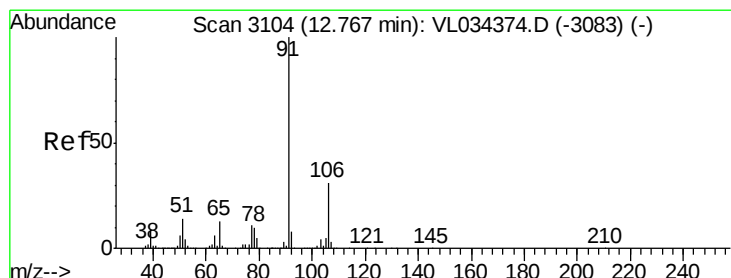
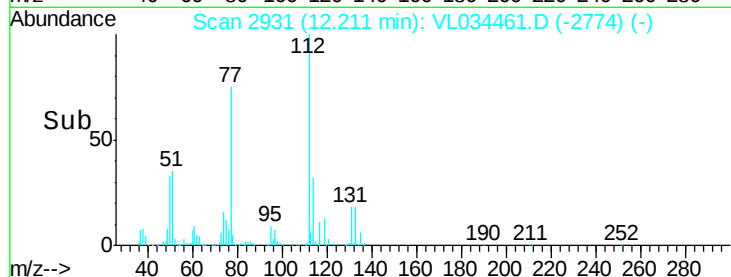
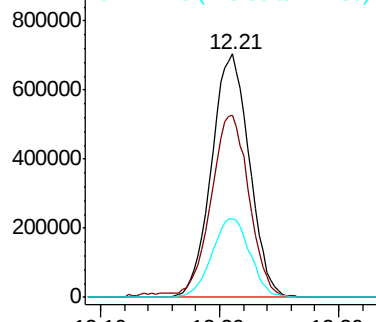
12/3/2019 5:04:15 PM



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



#58

Ethyl Benzene

Concen: 8.625 ppbv

RT: 12.77 min Scan# 3106

Delta R.T. 0.01 min

Lab File: VL034461.D

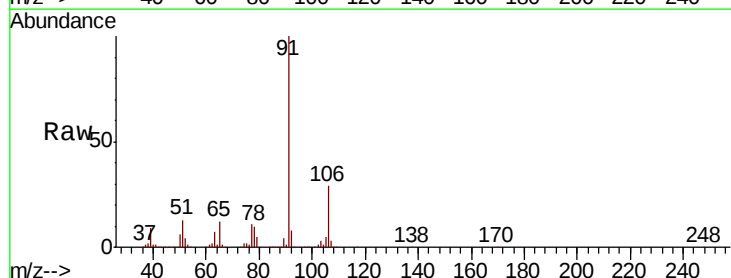
Acq: 3 Dec 2019 15:39

Tgt Ion: 91 Resp: 2784230

Ion Ratio Lower Upper

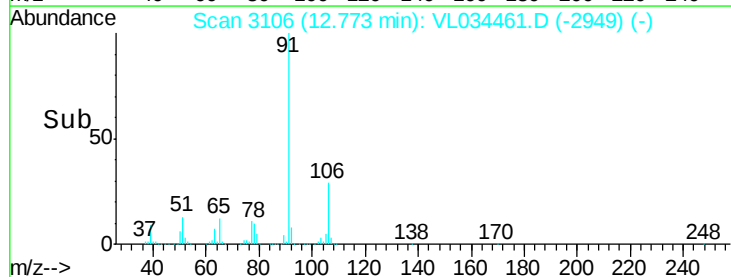
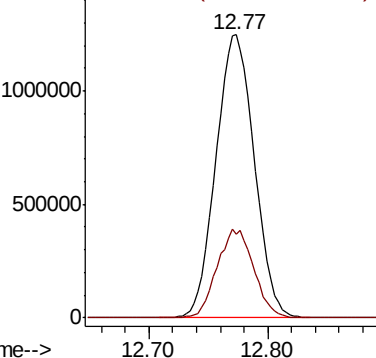
91 100

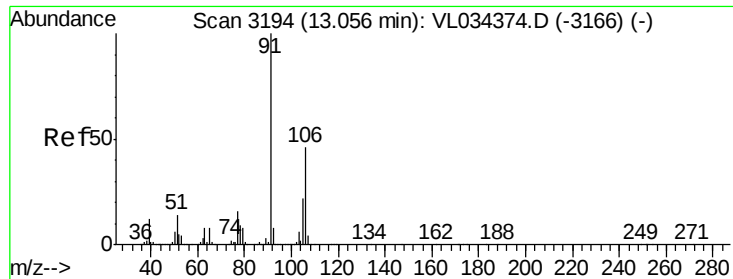
106 29.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 16.744 ppbv m

RT: 13.06 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4671978

Ion Ratio Lower Upper

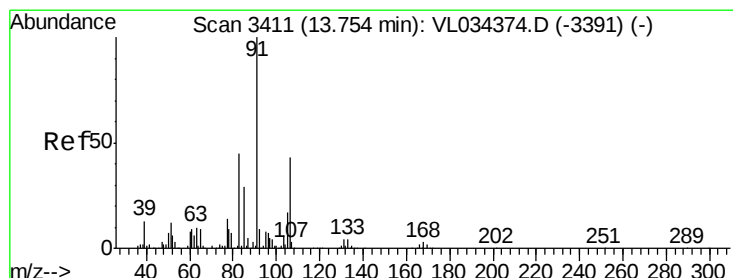
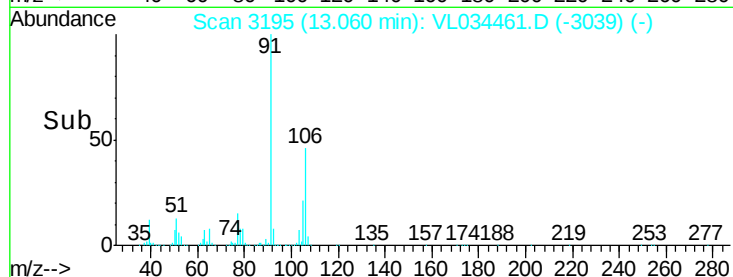
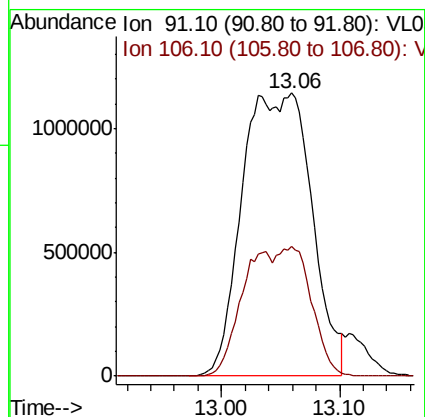
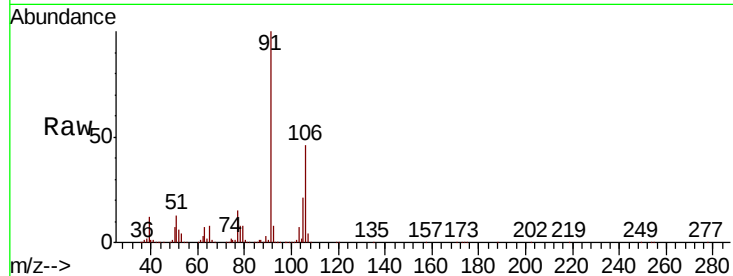
91 100

106 43.8 34.6 51.8

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#60

o-Xylene

Concen: 8.553 ppbv

RT: 13.76 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VL034461.D

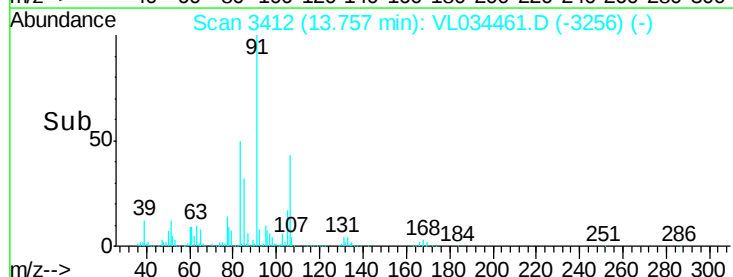
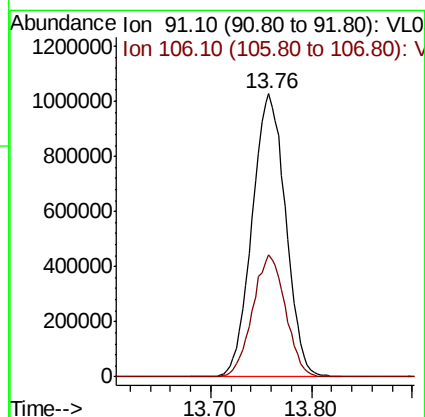
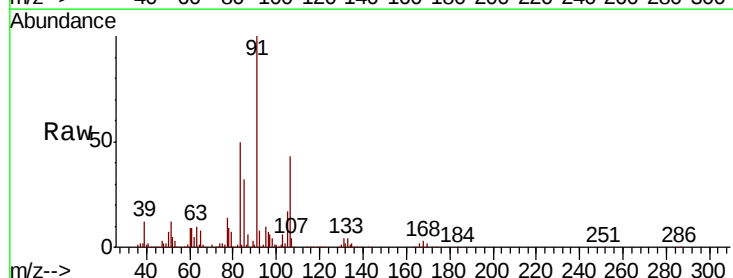
Acq: 3 Dec 2019 15:39

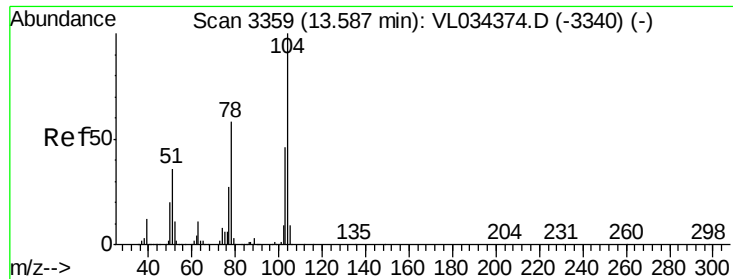
Tgt Ion: 91 Resp: 2359769

Ion Ratio Lower Upper

91 100

106 42.3 21.3 64.0





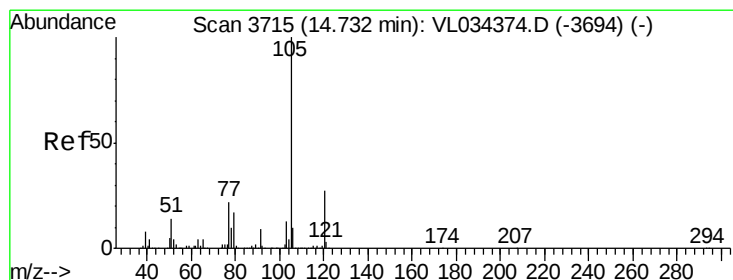
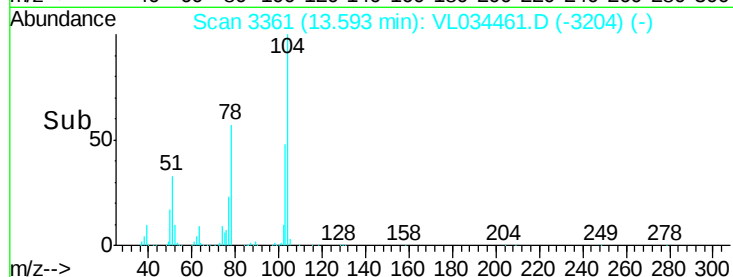
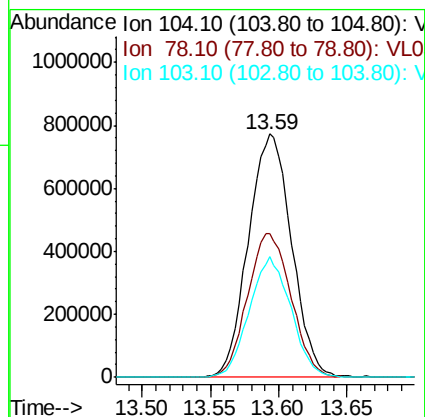
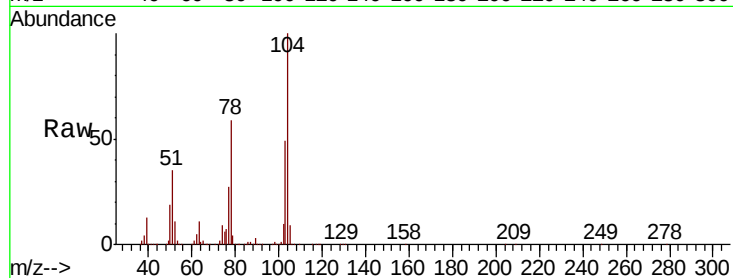
#61
Stvrene
Concen: 8.541 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

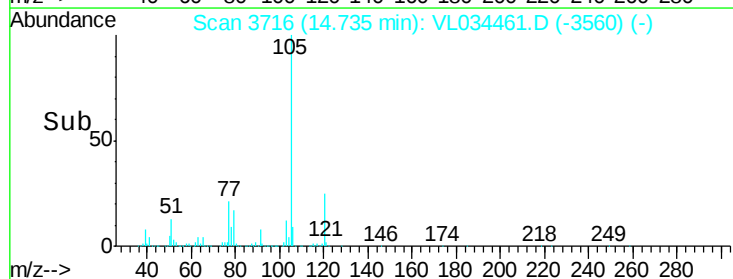
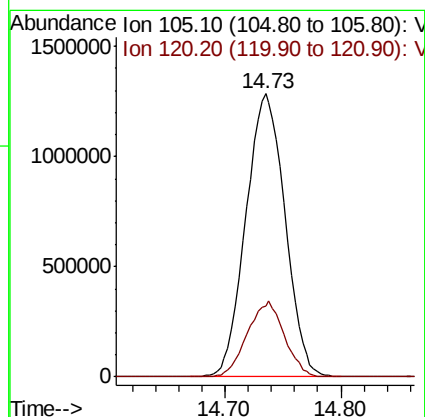
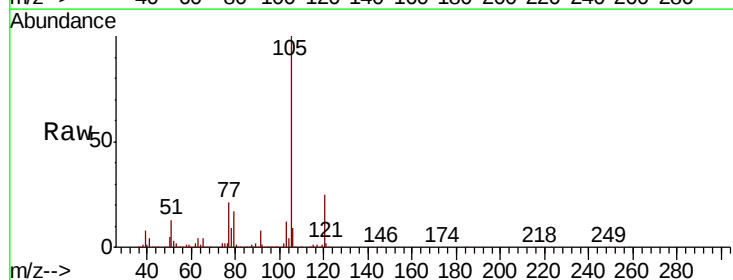
Manual Integrations
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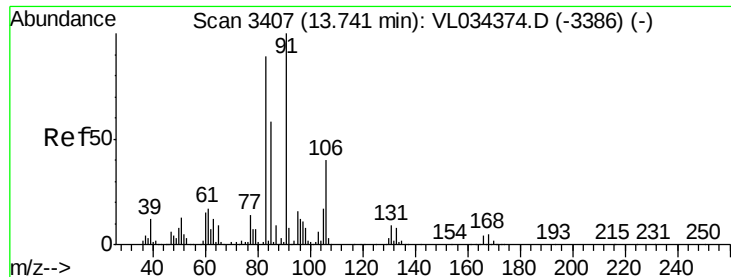
apatel
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#62
Isopropylbenzene
Concen: 8.283 ppbv
RT: 14.73 min Scan# 3716
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 7.670 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 1590588

Ion Ratio Lower Upper

83 100

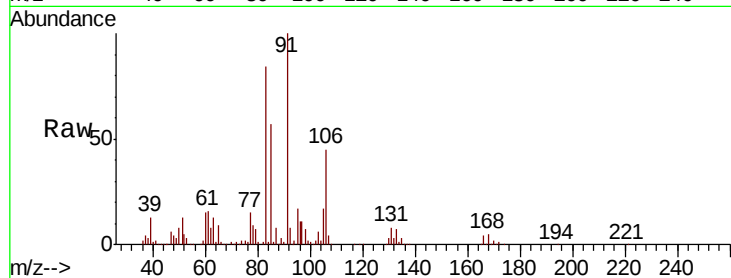
131 9.6 4.9 14.7

85 64.1 32.6 97.8

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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

13.75

800000

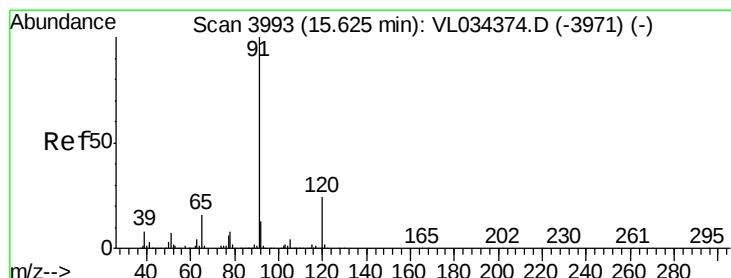
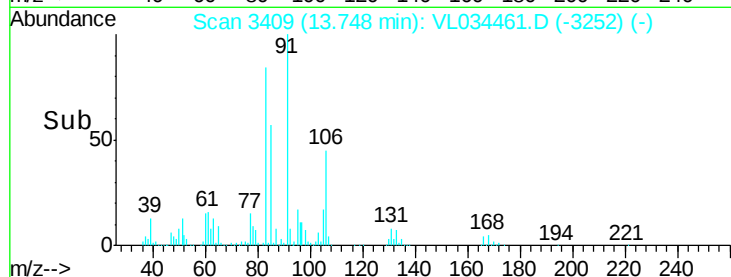
600000

400000

200000

0

Time-->



#64

n-propylbenzene

Concen: 8.141 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. 0.01 min

Lab File: VL034461.D

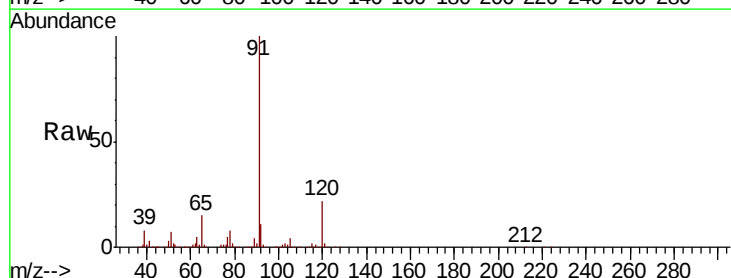
Acq: 3 Dec 2019 15:39

Tgt Ion: 120 Resp: 771433

Ion Ratio Lower Upper

120 100

91 478.6 370.9 556.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

15.64

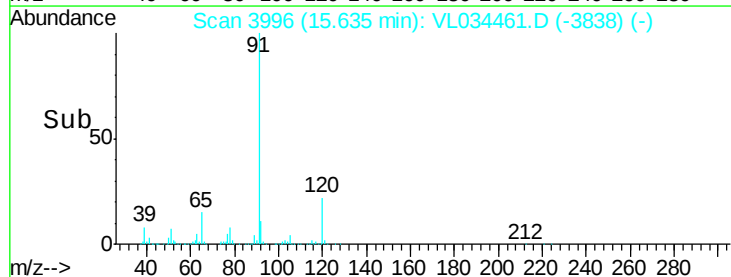
1500000

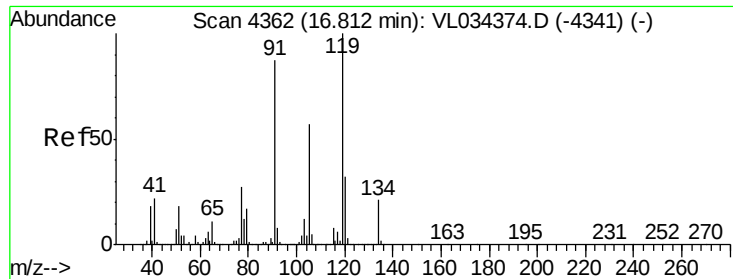
1000000

500000

0

Time-->





#65

tert-Butylbenzene

Concen: 8.141 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

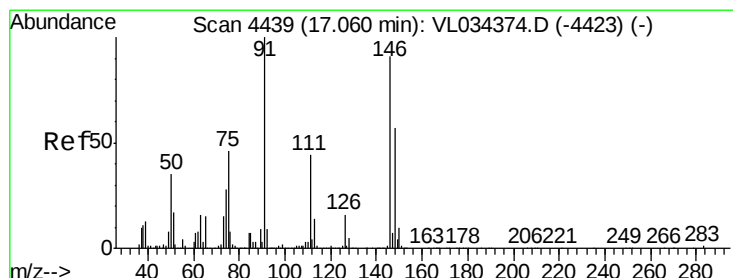
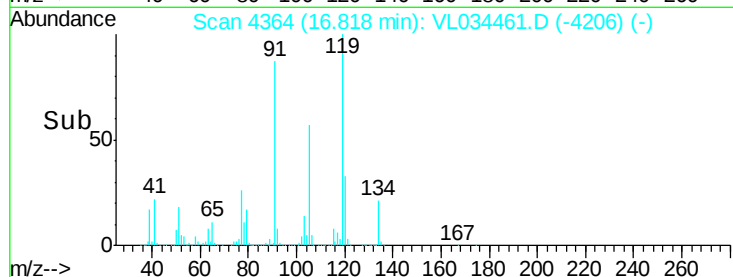
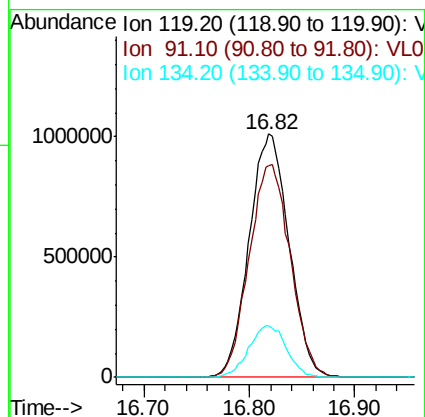
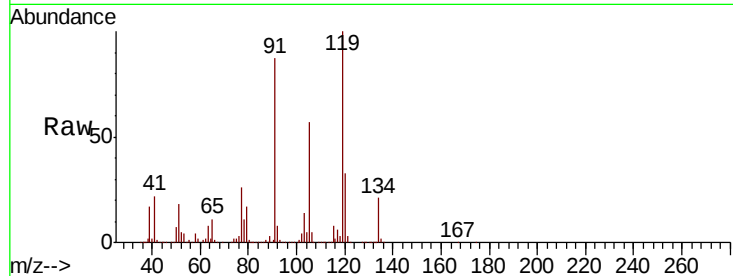
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	2668194
Ion	Ratio	Lower	Upper
119	100		
91	90.4	71.6	107.4
134	20.0	15.9	23.9

Manual Integrations
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#66

Benzyl Chloride

Concen: 10.272 ppbv

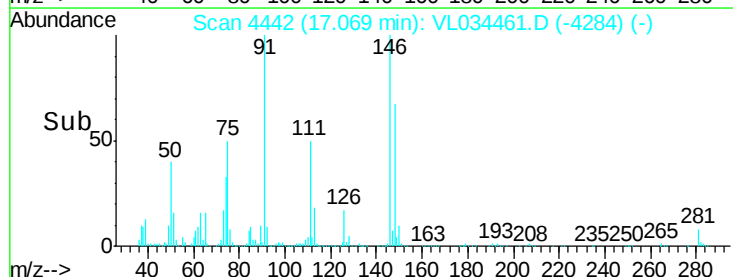
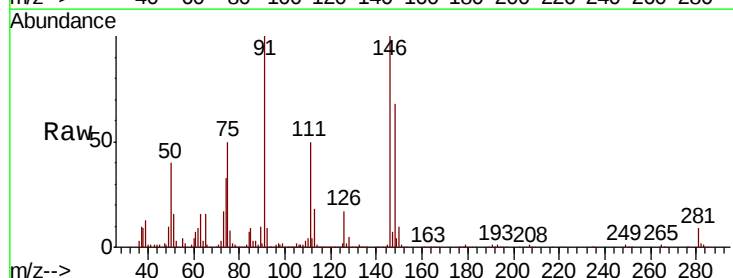
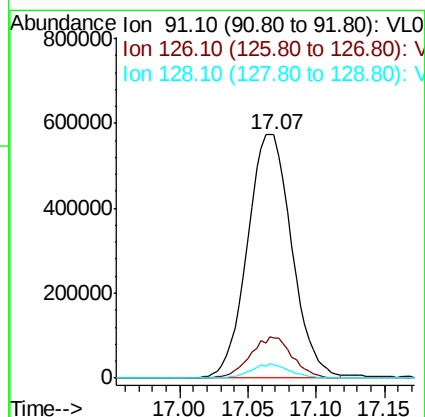
RT: 17.07 min Scan# 4442

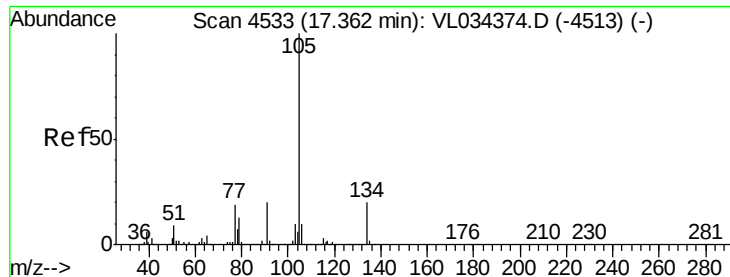
Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:	91	Resp:	1295191
Ion	Ratio	Lower	Upper
91	100		
126	16.2	12.9	19.3
128	5.2	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.144 ppbv

RT: 17.37 min Scan# 4535

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 3733580

Ion Ratio Lower Upper

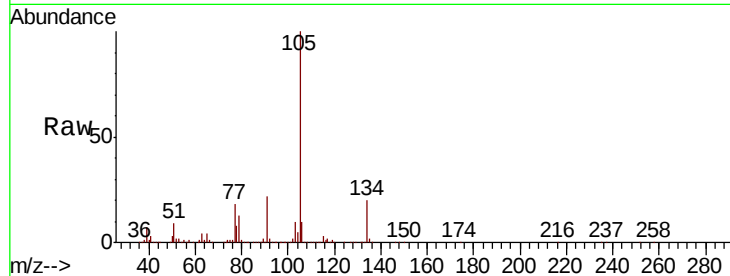
105 100

134 18.7 15.0 22.6

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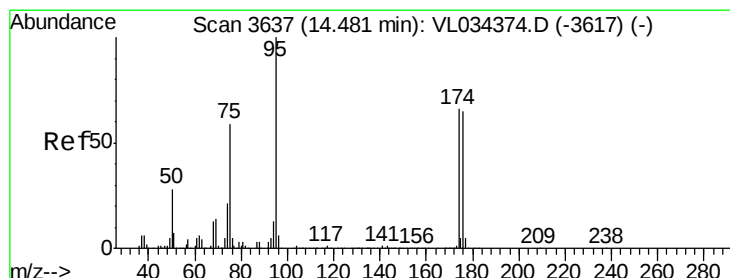
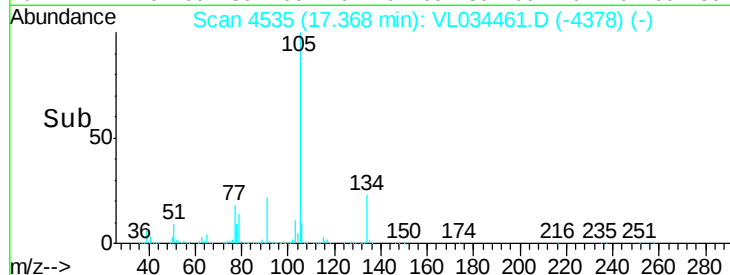
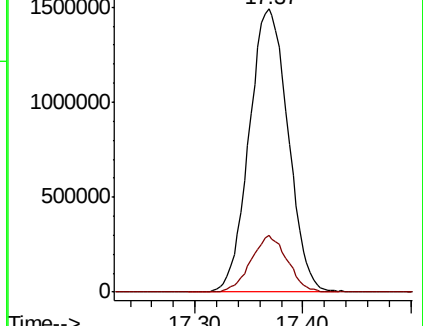
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.263 ppbv

RT: 14.48 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

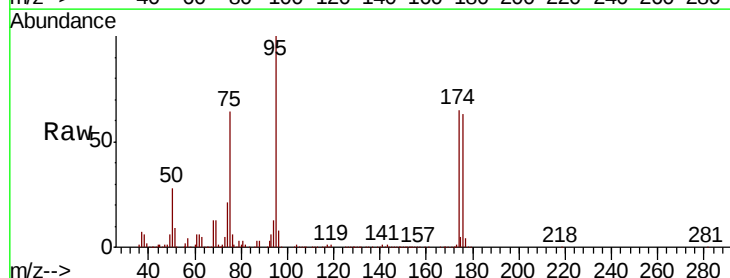
Tgt Ion: 95 Resp: 1795981

Ion Ratio Lower Upper

95 100

174 65.0 52.2 78.2

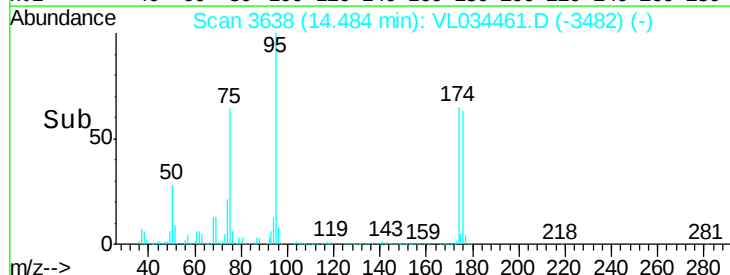
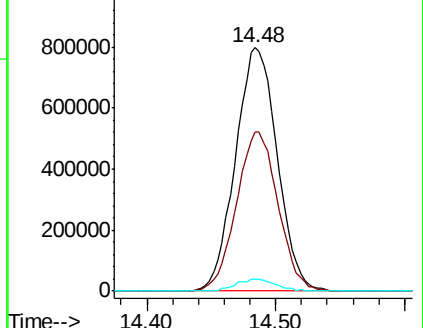
175 4.8 3.8 5.8

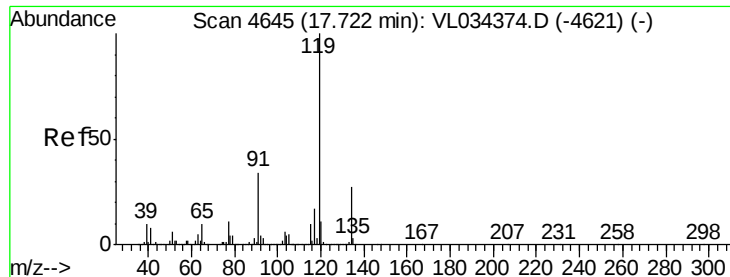


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





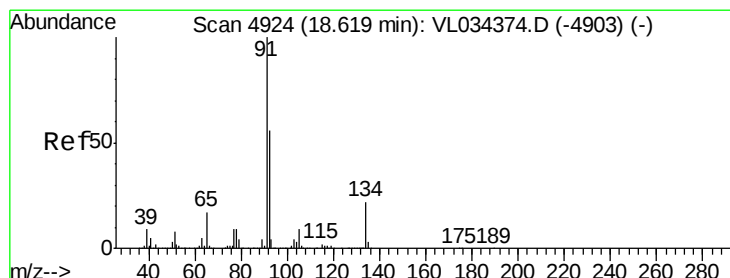
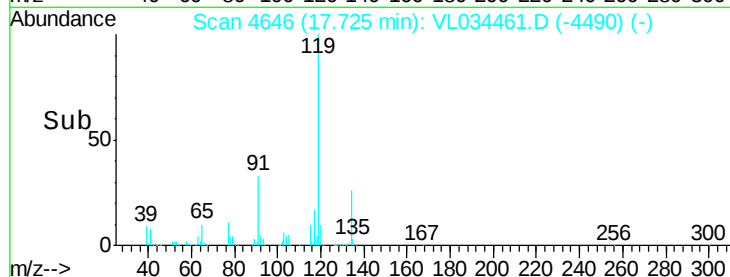
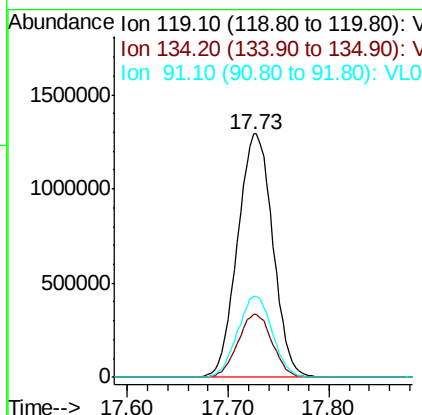
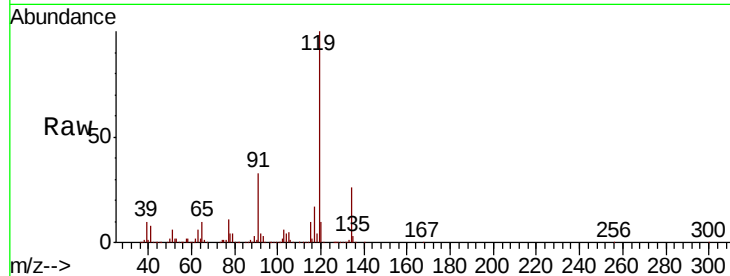
#69
p-Isopropyltoluene
Concen: 8.218 ppbv
RT: 17.73 min Scan# 4646
Delta R.T. 0.00 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

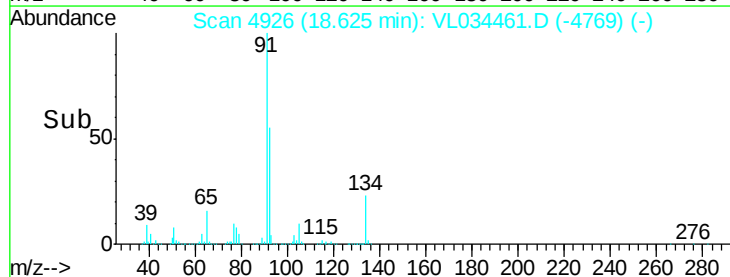
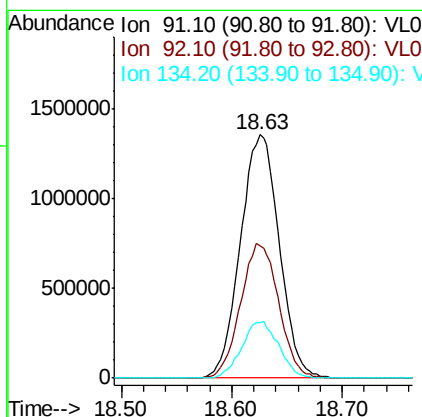
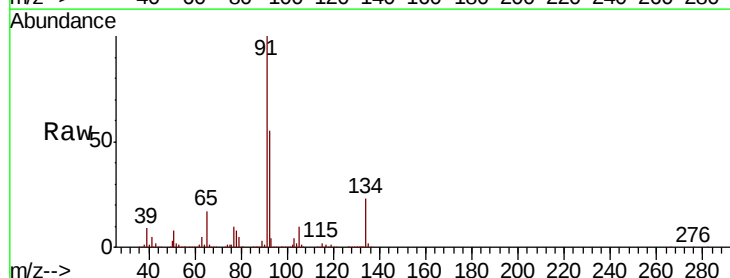
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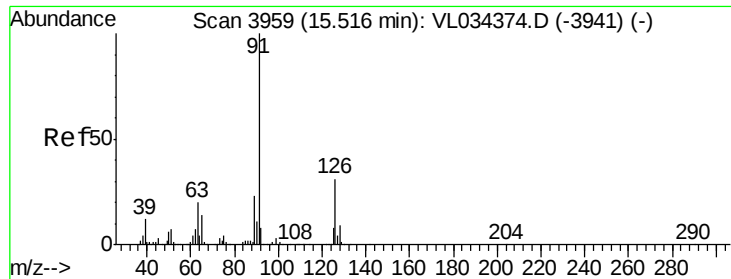
apatel
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#70
n-Butylbenzene
Concen: 8.094 ppbv
RT: 18.63 min Scan# 4926
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

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





#71

2-Chlorotoluene

Concen: 8.095 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2355029

Ion Ratio Lower Upper

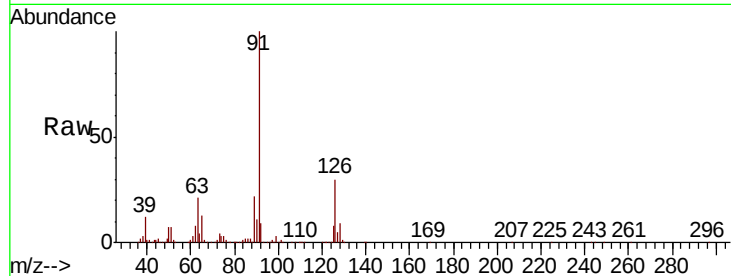
91 100

126 29.6 11.8 47.4

Manual Integrations
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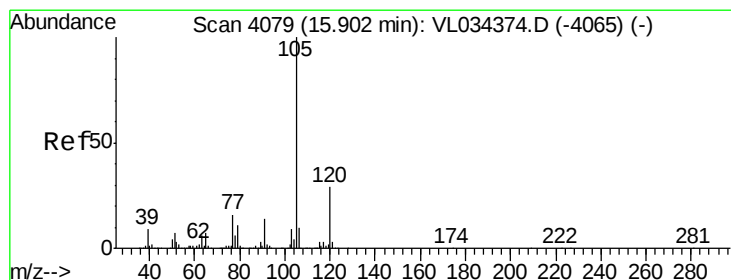
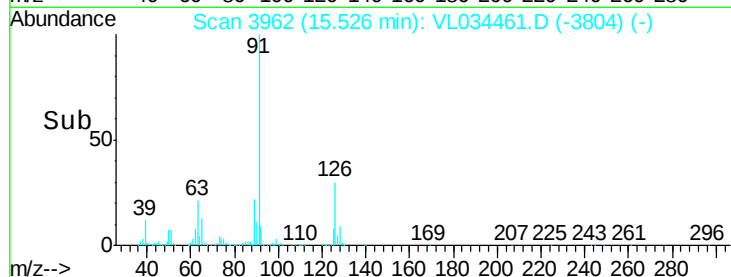
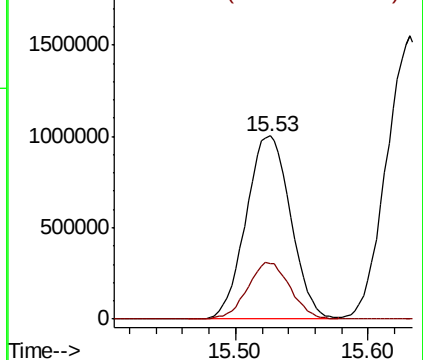
apatel

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.341 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion: 105 Resp: 2658925

Ion Ratio Lower Upper

105 100

120 28.7 23.5 35.3

91 14.4 11.4 17.0

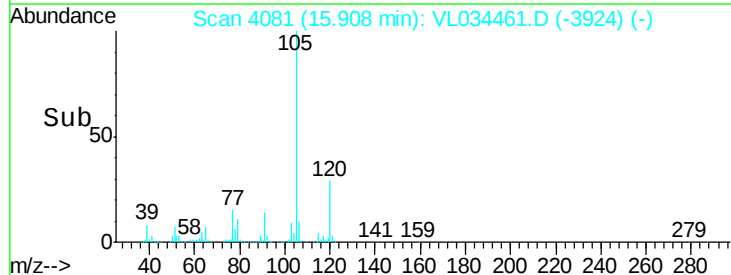
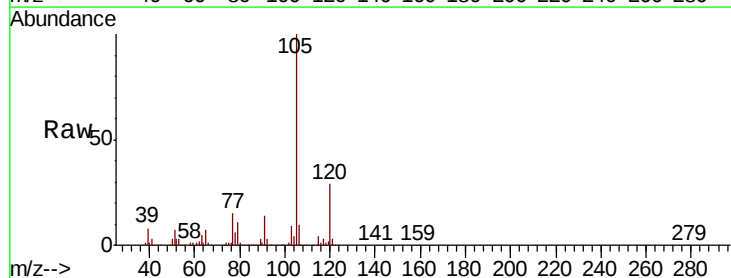
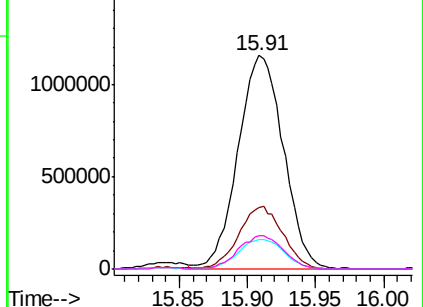
77 15.8 12.6 19.0

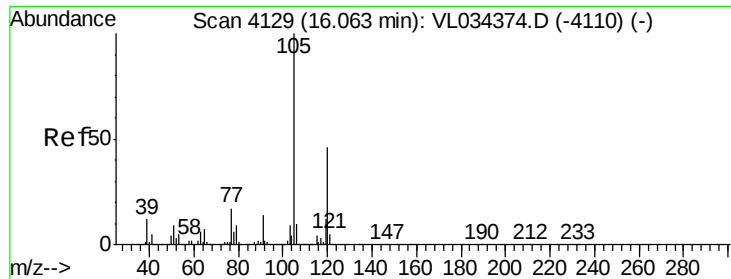
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





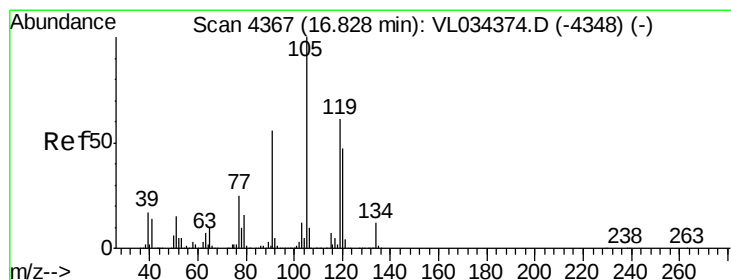
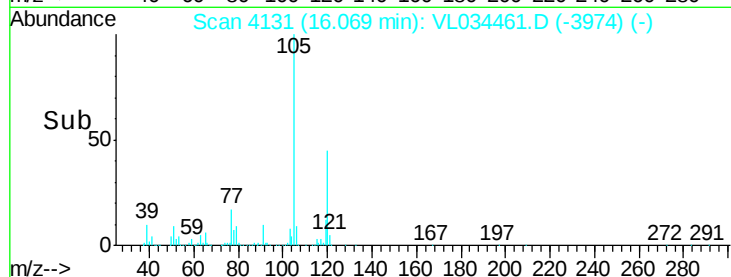
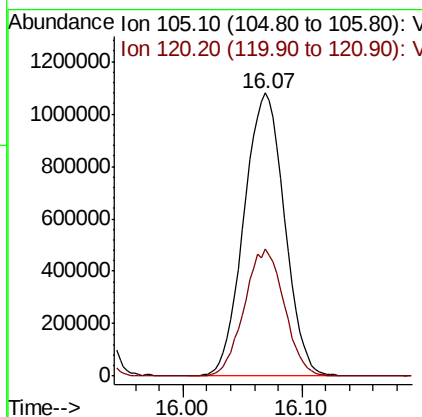
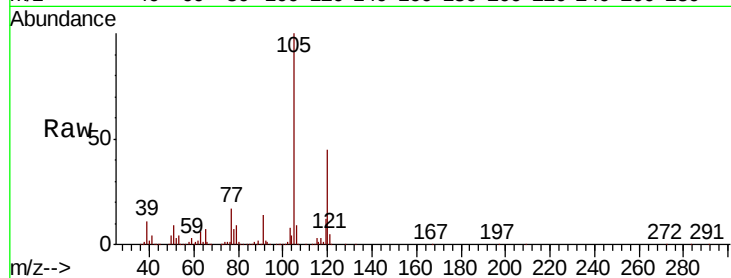
#73
 1,3,5-Trimethylbenzene
 Concen: 8.150 ppbv
 RT: 16.07 min Scan# 4131
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 2543063
 Ion Ratio Lower Upper
 105 100
 120 45.1 37.1 55.7

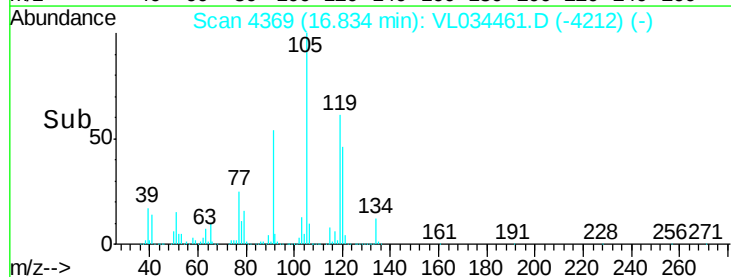
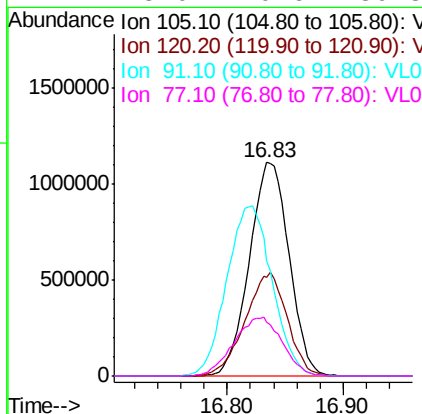
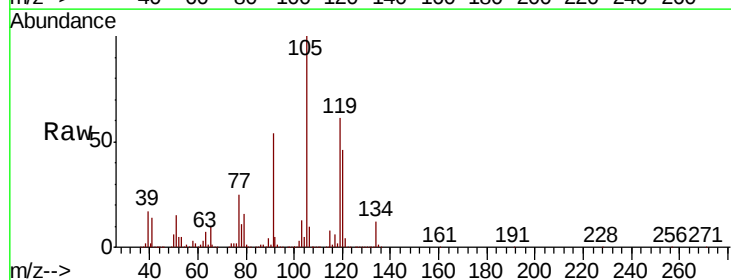
Manual Integrations
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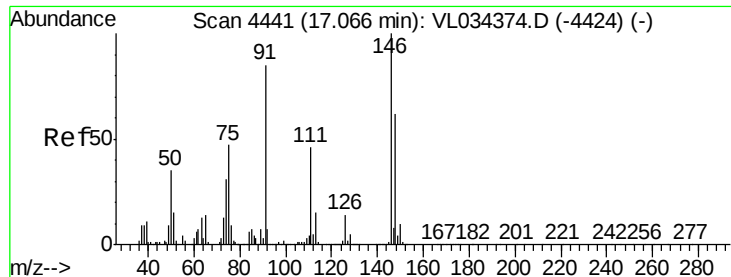
apatel
 12/3/2019 5:04:15 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 7.992 ppbv
 RT: 16.83 min Scan# 4369
 Delta R.T. 0.01 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Tgt Ion:105 Resp: 2649022
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.4 56.0
 91 53.4 46.3 69.5
 77 25.0 20.6 30.8





#75

1,3-Dichlorobenzene

Concen: 7.737 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

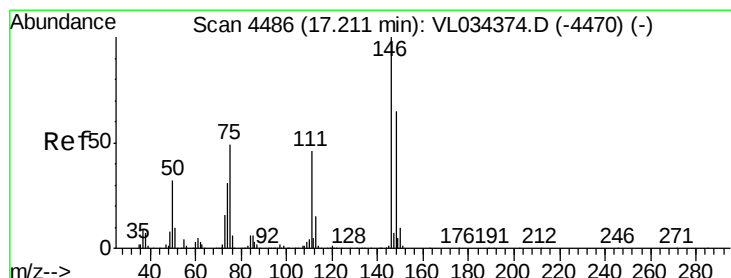
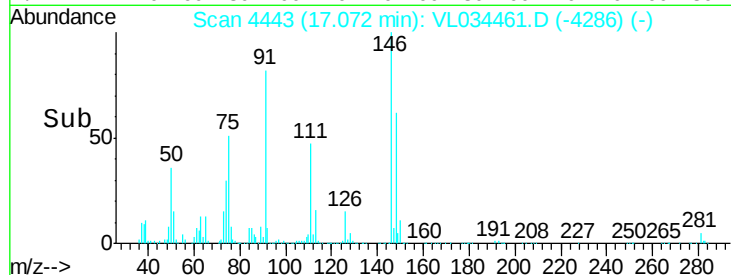
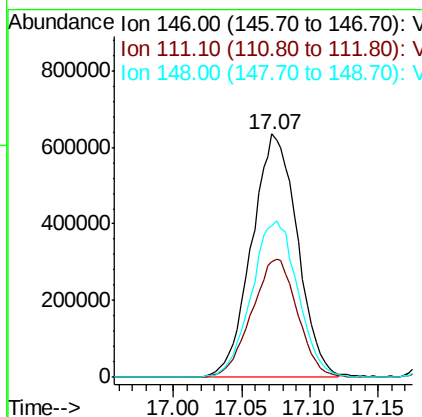
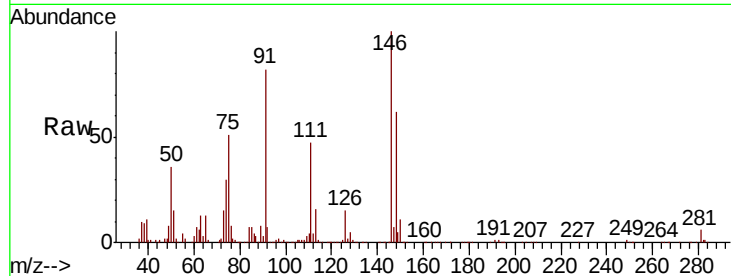
ClientSampleId :

VSTDCCC010EC

Tot Ion:	146	Resp:	1474111
Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.4	73.4
148	65.4	32.4	97.0

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#76

1,4-Dichlorobenzene

Concen: 8.014 ppbv

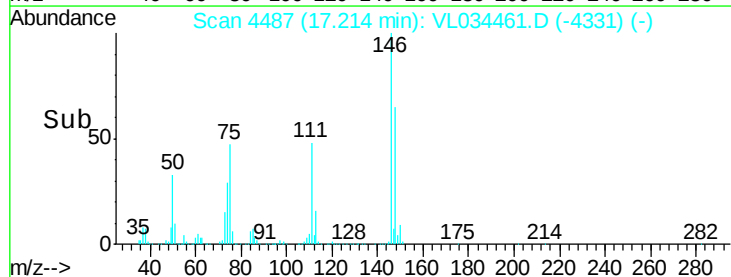
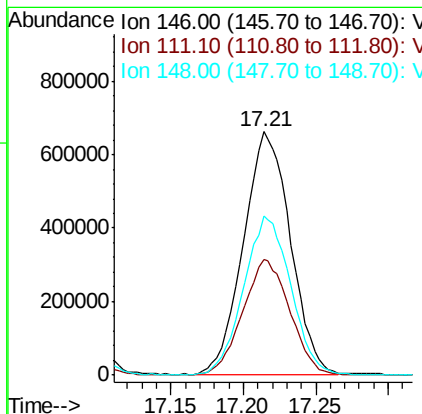
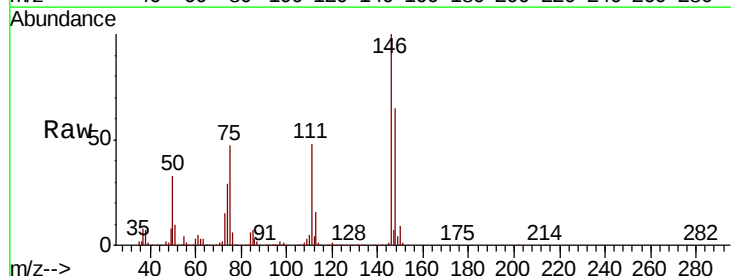
RT: 17.21 min Scan# 4487

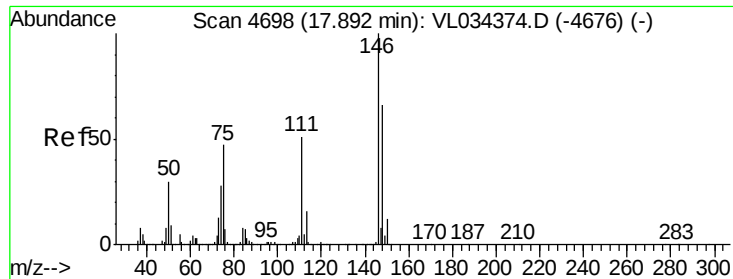
Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Tgt Ion:	146	Resp:	1482590
Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.1	72.3
148	66.1	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 7.866 ppbv

RT: 17.90 min Scan# 4700

Delta R.T. 0.01 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 1447392

Ion Ratio Lower Upper

146 100

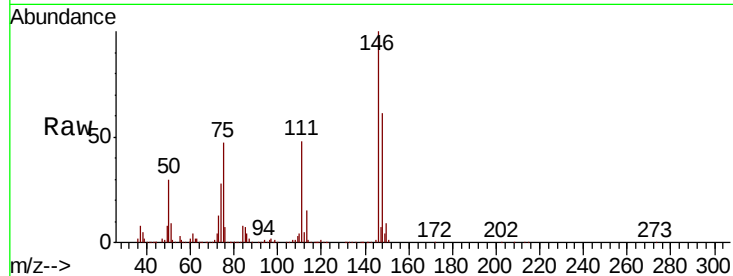
111 50.2 25.0 75.0

148 64.0 32.7 98.1

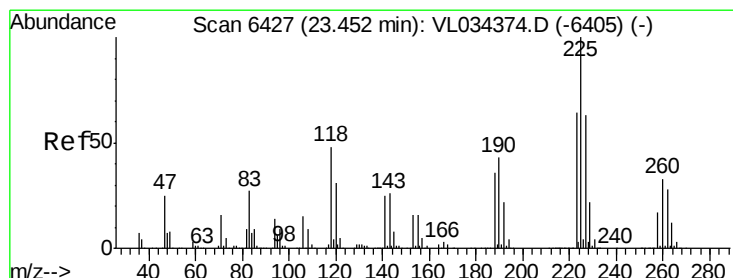
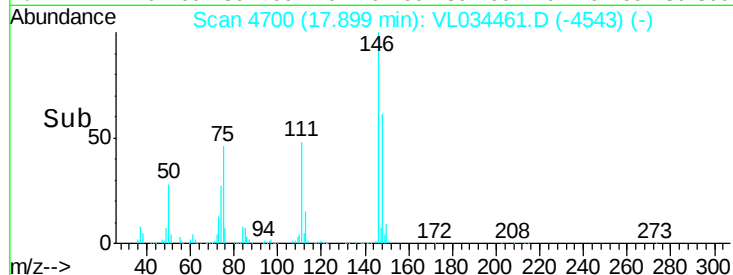
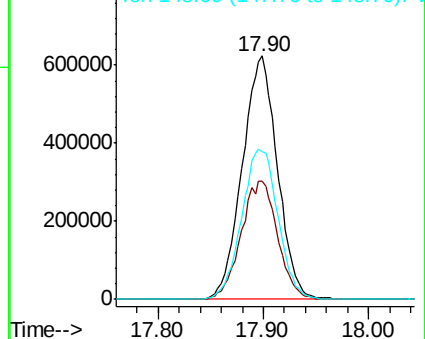
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.708 ppbv

RT: 23.45 min Scan# 6428

Delta R.T. 0.00 min

Lab File: VL034461.D

Acq: 3 Dec 2019 15:39

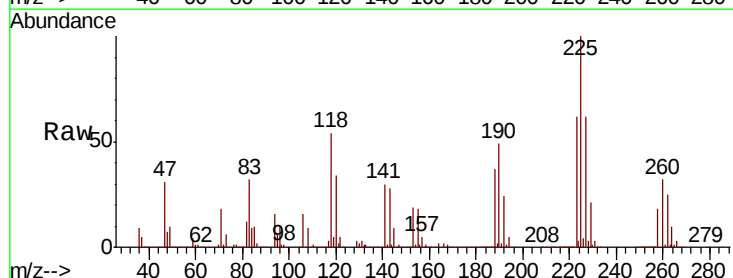
Tgt Ion:225 Resp: 1534877

Ion Ratio Lower Upper

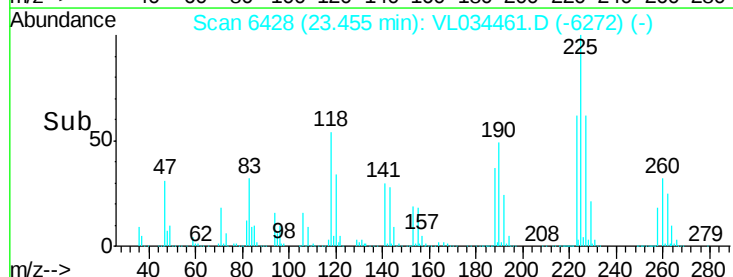
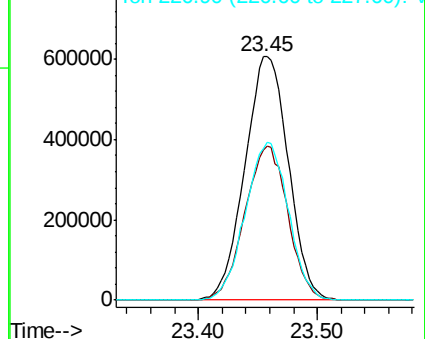
225 100

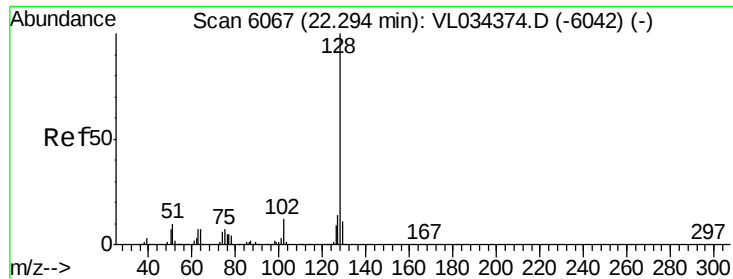
223 62.6 50.2 75.2

227 64.1 51.5 77.3



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





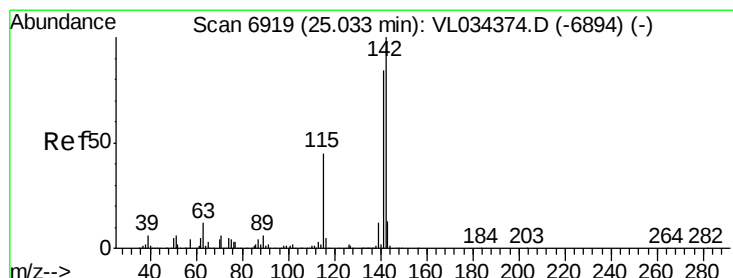
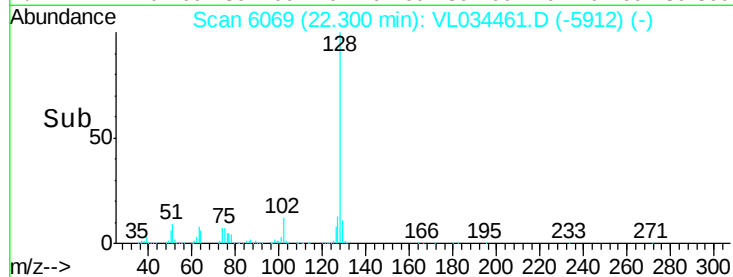
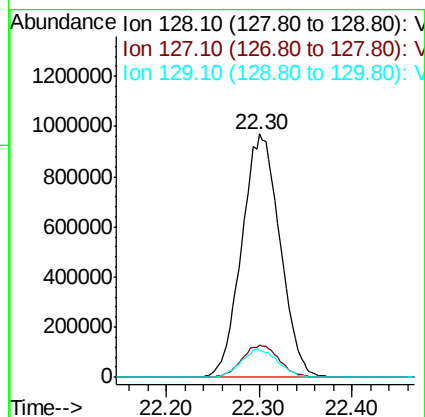
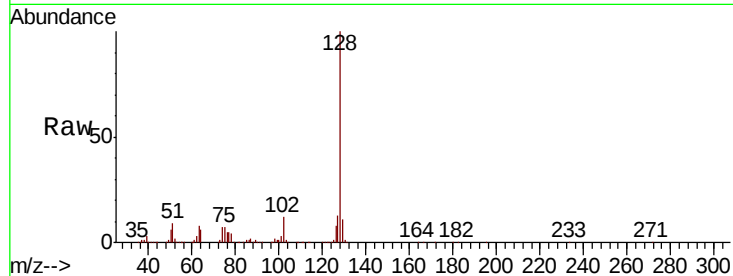
#79
Naphthalene
Concen: 9.618 ppbv
RT: 22.30 min Scan# 6069
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

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

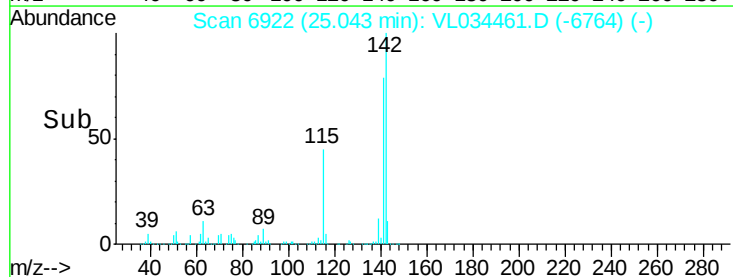
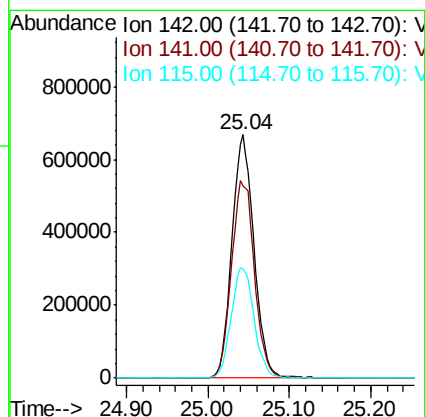
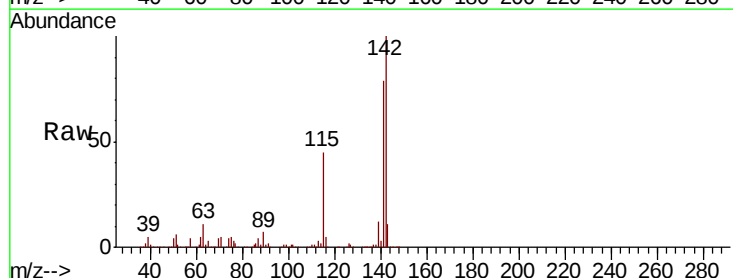
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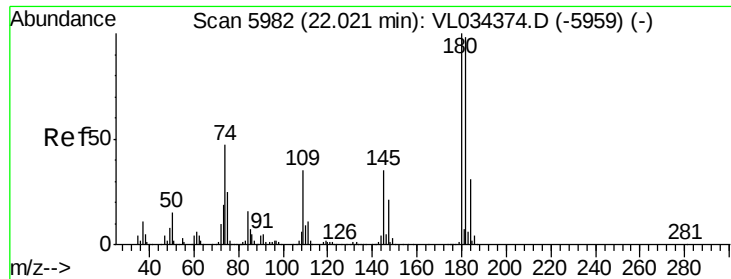
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#80
Naphthalene, 2-methyl-
Concen: 9.817 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034461.D
Acq: 3 Dec 2019 15:39

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





#81
 1,2,4-Trichlorobenzene
 Concen: 9.234 ppbv m
 RT: 22.02 min Scan# 5983
 Delta R.T. 0.00 min
 Lab File: VL034461.D
 Acq: 3 Dec 2019 15:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.8	115.2
184	31.1	24.9	37.3

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