

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036194.D
 Acq On : 23 Dec 2020 15:10
 Operator : SY/AP
 Sample : VL1223ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:36:05 PM

Quant Time: Dec 24 05:40:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1225721	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2495698	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2438671m	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2094078	10.81	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1397360	9.782	ppbv	99
3) Chlorodifluoromethane	2.96	51	1504679	10.759	ppbv	98
4) Chloromethane	3.12	50	693057	10.094	ppbv	98
5) Vinyl Chloride	3.23	62	675095	8.838	ppbv	99
6) Bromomethane	3.45	94	345624	8.769	ppbv	91
7) Chloroethane	3.53	64	235848	9.064	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1632457	10.283	ppbv	88
9) Propene	2.99	41	646771	9.232	ppbv	100
10) Heptane	8.10	43	1696775	9.483	ppbv	99
11) Trichlorofluoromethane	3.92	101	1766906	10.521	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1100035	9.645	ppbv	92
13) Ethanol	3.58	45	95585m	9.897	ppbv	
14) Bromoethene	3.72	108	435571	9.309	ppbv	96
15) Acetone	3.83	43	1404756	9.536	ppbv	98
16) 1,3-Butadiene	3.30	39	687609	9.268	ppbv	98
17) tert-Butyl alcohol	4.27	59	1334991	9.356	ppbv	98
18) 1,1-Dichloroethene	4.26	96	480302	9.485	ppbv	98
19) Isopropyl Alcohol	3.95	45	828485	9.201	ppbv #	100
20) Methylene Chloride	4.32	84	427605	7.083	ppbv	91
21) Allyl Chloride	4.39	41	876141	8.945	ppbv	88
22) trans-1,2-Dichloroethene	4.86	96	464536	9.162	ppbv	99
23) Vinyl Acetate	5.05	43	1858512	9.476	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1300536	9.428	ppbv	98
25) Ethyl Acetate	5.65	43	2922251	9.930	ppbv	99
26) Hexane	5.66	57	1182888	8.931	ppbv	99
27) Carbon Disulfide	4.52	76	1240433	9.423	ppbv	94
28) Methyl tert-Butyl Ether	5.01	73	1719847	9.133	ppbv	98
29) Chloroform	5.73	83	1840201	10.580	ppbv	98
30) Cyclohexane	7.10	84	922928	9.486	ppbv	96
31) cis-1,2-Dichloroethene	5.52	61	1232901	10.240	ppbv	92
32) 1,1,1-Trichloroethane	6.49	97	1822773	10.156	ppbv	97
34) 2-Butanone	5.22	43	1795223	10.844	ppbv	98
35) Carbon Tetrachloride	6.99	117	1732309	11.903	ppbv	99
36) Benzene	6.87	78	2316716	10.953	ppbv	97
37) 1,2-Dichloroethane	6.28	62	1611242	13.147	ppbv #	96
38) Trichloroethene	7.81	130	718359	9.086	ppbv	91
39) 1,2-Dichloropropane	7.59	63	969671	11.609	ppbv	91
40) 1,4-Dioxane	7.81	88	274790	10.460	ppbv #	48
41) Tetrahydrofuran	6.02	42	1048043	10.657	ppbv	98
42) Bromodichloromethane	7.77	83	2032123	12.443	ppbv	99
43) Methyl Methacrylate	7.99	69	1055919	11.637	ppbv	96

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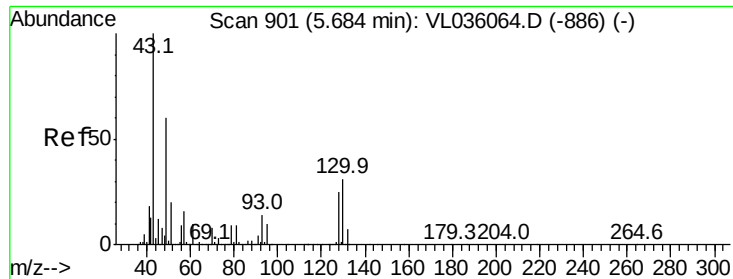
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4143190	10.817	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1168038	12.530	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	1384044	11.846	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	889839	11.073	ppbv	97
48) Dibromochloromethane	10.28	129	1415085	11.661	ppbv	99
49) Bromoform	13.02	173	1134401	11.877	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2799072	11.338	ppbv	100
51) 2-Hexanone	10.11	43	2337123	12.111	ppbv	96
52) Tetrachloroethene	11.20	164	673490	8.796	ppbv	92
53) Toluene	9.78	91	2538907	10.690	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1339261	11.118	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	1057933	10.462	ppbv	95
57) Chlorobenzene	12.13	112	1730637	10.109	ppbv	94
58) Ethyl Benzene	12.69	91	3542756	10.601	ppbv	98
59) m/p-Xylene	12.97	91	6053468m	21.505	ppbv	
60) o-Xylene	13.67	91	2806510	10.582	ppbv	95
61) Styrene	13.51	104	1890892	11.105	ppbv	95
62) Isopropylbenzene	14.65	105	4031909	10.256	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1938775	10.855	ppbv	99
64) n-propylbenzene	15.54	120	969268	10.248	ppbv	82
65) tert-Butylbenzene	16.73	119	3347078	10.402	ppbv	90
66) Benzyl Chloride	16.97	91	1121684	14.000	ppbv	94
67) sec-Butylbenzene	17.28	105	4886834	10.852	ppbv	96
69) p-Isopropyltoluene	17.64	119	3831951	10.698	ppbv	95
70) n-Butylbenzene	18.53	91	4367642	12.337	ppbv	98
71) 2-Chlorotoluene	15.43	91	3313636	11.151	ppbv	94
72) 4-Ethyltoluene	15.82	105	3052854	10.627	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2974712	10.842	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	3005097	10.911	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	1475457	10.702	ppbv	97
76) 1,4-Dichlorobenzene	17.12	146	1423457	10.141	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1422383	10.805	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	923336m	8.752	ppbv	
79) Naphthalene	22.18	128	1760546	12.575	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	558452	17.839	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	886117	9.474	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

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VL1223ABS01

Tot Ion: 49 Resp: 1225721

Ion Ratio Lower Upper

49 100

128 36.0 21.1 63.1

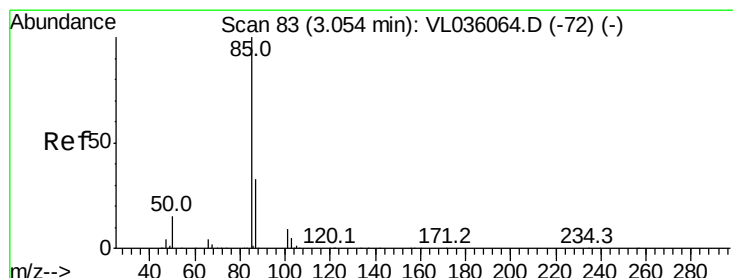
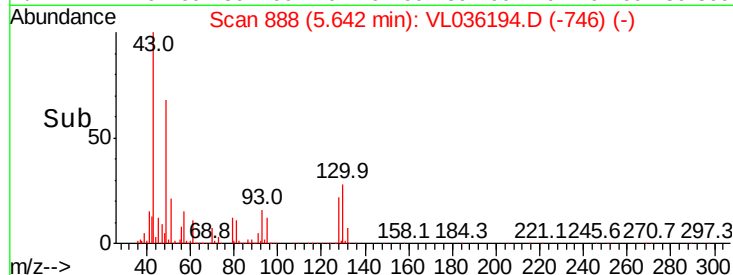
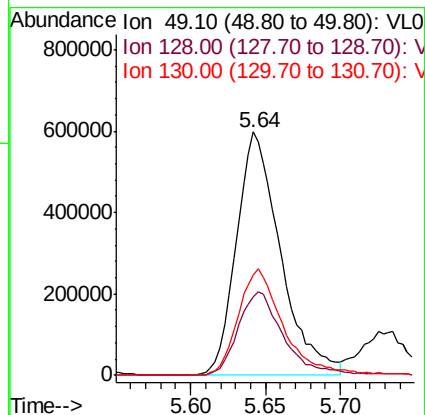
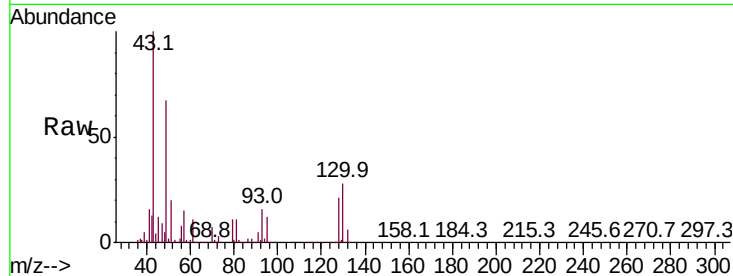
130 45.4 27.1 81.3

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#2

Dichlorodifluoromethane

Concen: 9.782 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL036194.D

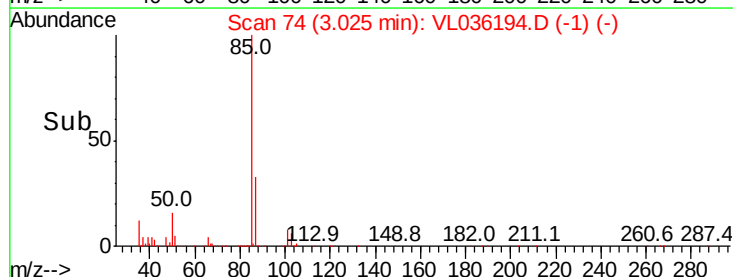
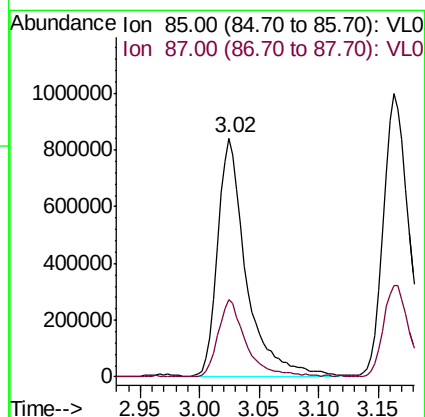
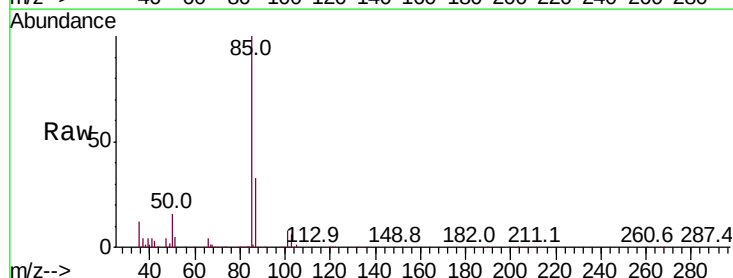
Acq: 23 Dec 2020 15:10

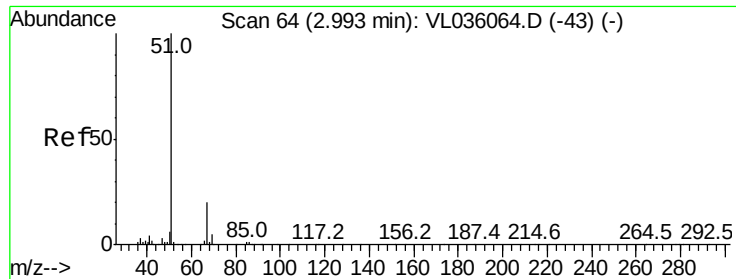
Tgt Ion: 85 Resp: 1397360

Ion Ratio Lower Upper

85 100

87 32.5 26.5 39.7





#3

Chlorodifluoromethane

Concen: 10.759 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 51 Resp: 1504679

Ion Ratio Lower Upper

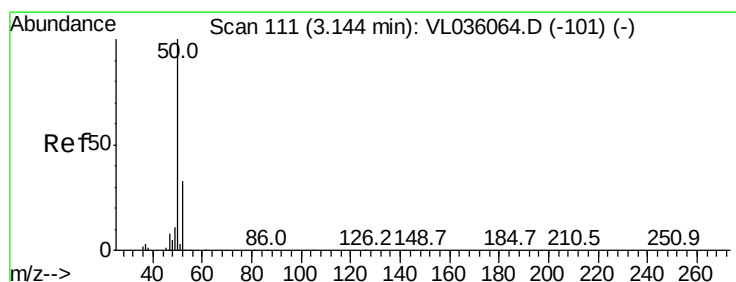
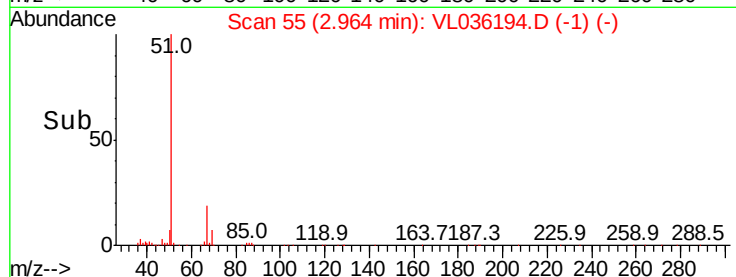
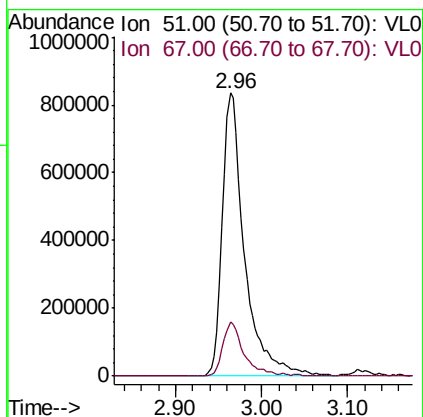
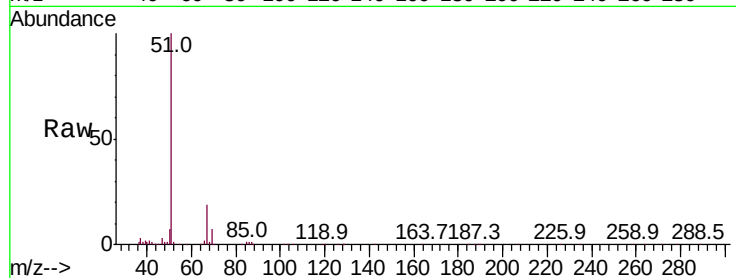
51 100

67 18.7 14.3 21.5

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#4

Chloromethane

Concen: 10.094 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036194.D

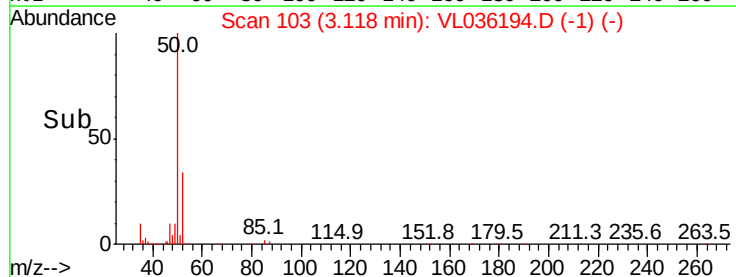
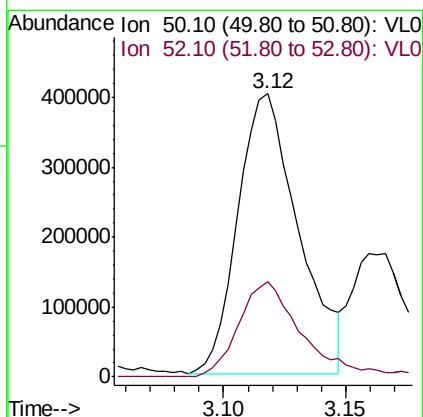
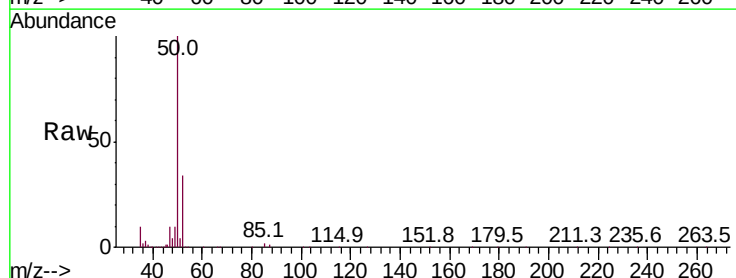
Acq: 23 Dec 2020 15:10

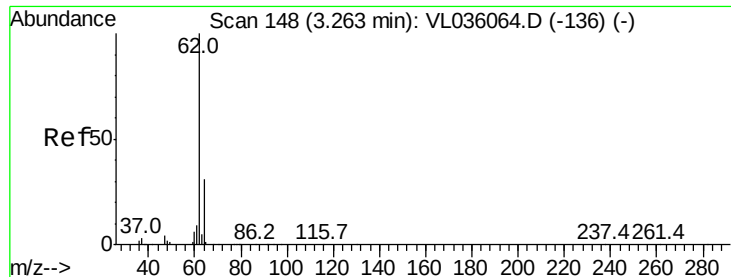
Tgt Ion: 50 Resp: 693057

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1





#5

Vinyl Chloride

Concen: 8.838 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 62 Resp: 675095

Ion Ratio Lower Upper

62 100

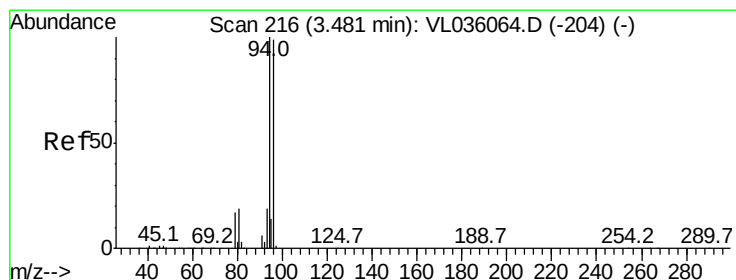
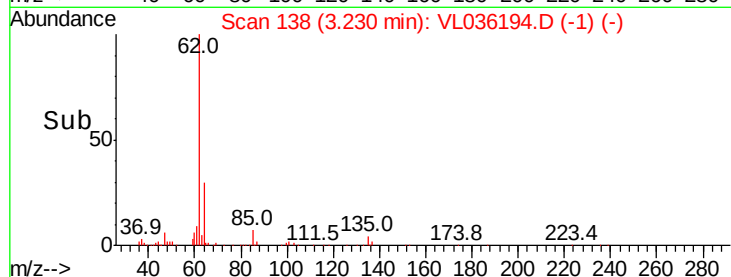
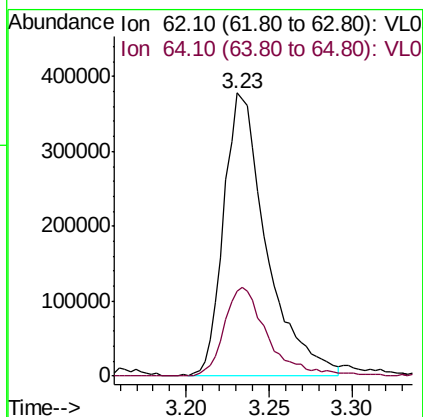
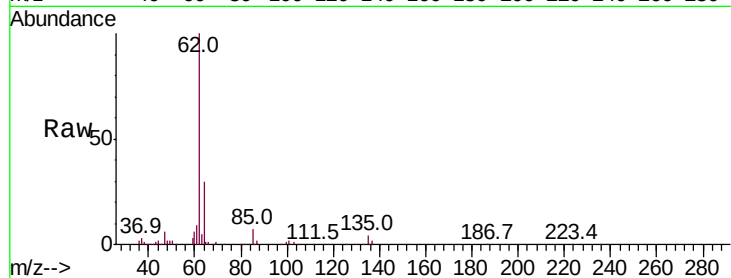
64 29.9 24.5 36.7

Manual Integrations

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#6

Bromomethane

Concen: 8.769 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.03 min

Lab File: VL036194.D

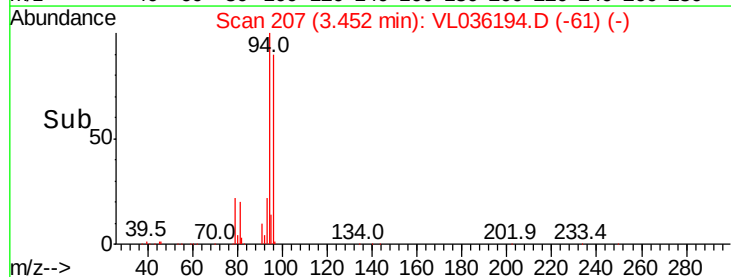
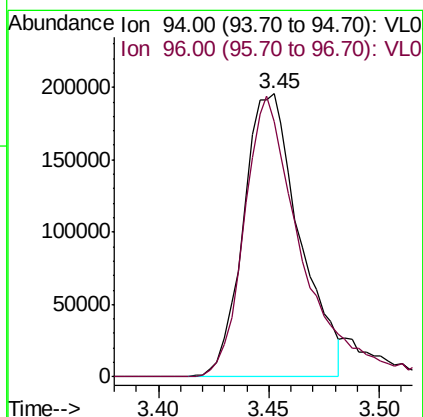
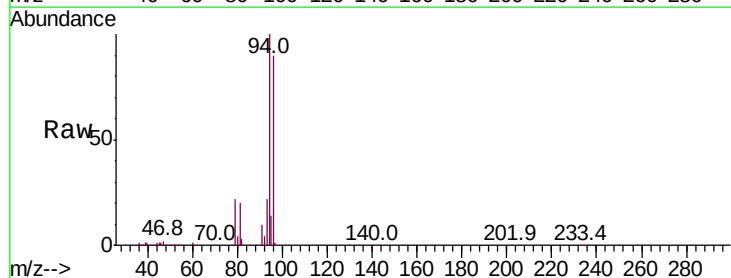
Acq: 23 Dec 2020 15:10

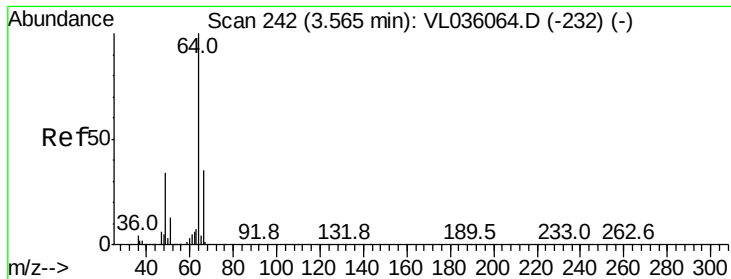
Tgt Ion: 94 Resp: 345624

Ion Ratio Lower Upper

94 100

96 90.2 79.4 119.0





#7

Chloroethane

Concen: 9.064 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 64 Resp: 235848

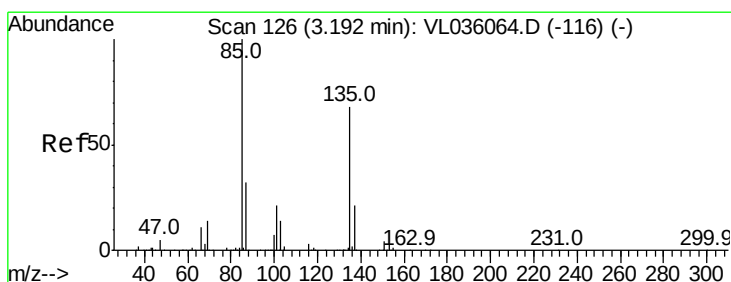
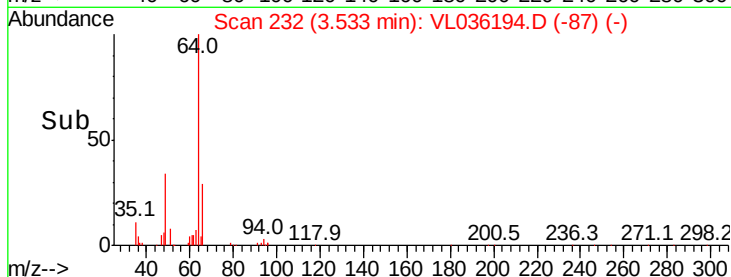
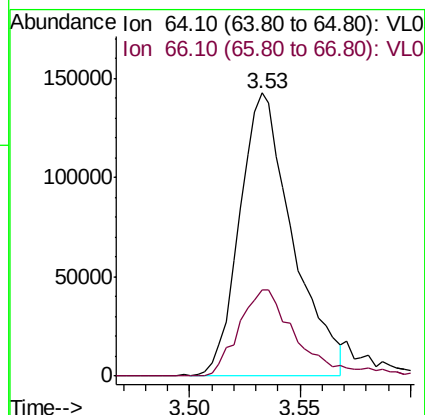
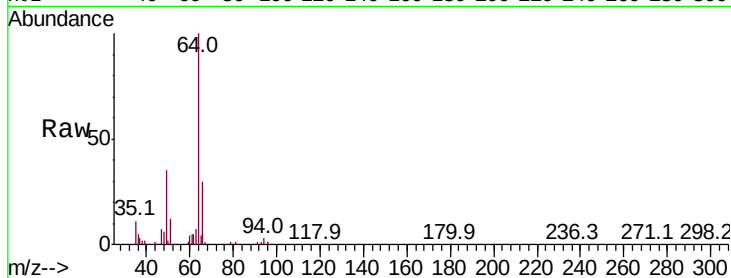
Ion Ratio Lower Upper

64 100

66 30.3 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 10.283 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.03 min

Lab File: VL036194.D

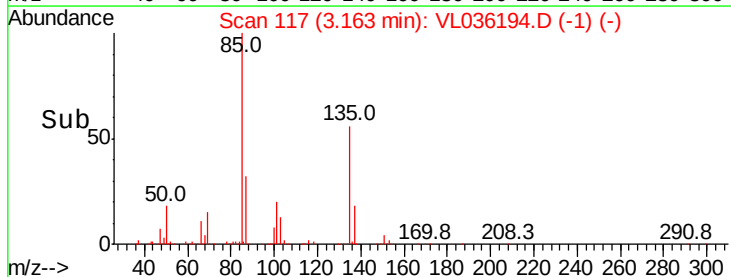
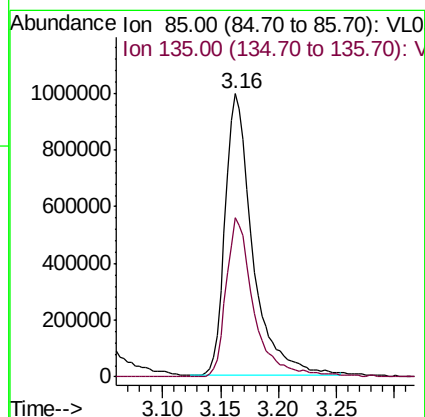
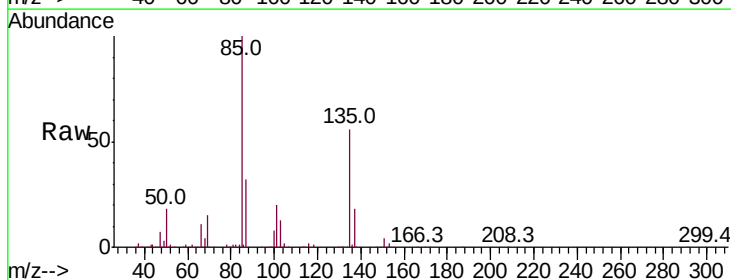
Acq: 23 Dec 2020 15:10

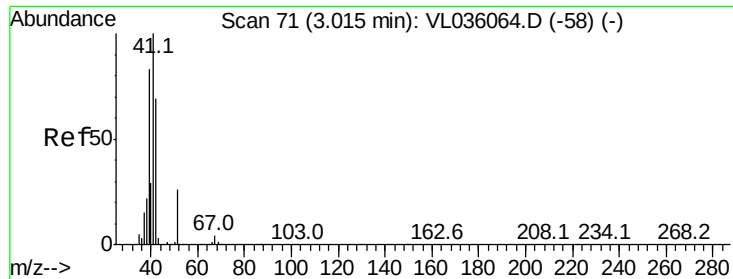
Tgt Ion: 85 Resp: 1632457

Ion Ratio Lower Upper

85 100

135 57.7 53.8 80.8





#9

Propene

Concen: 9.232 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 646771

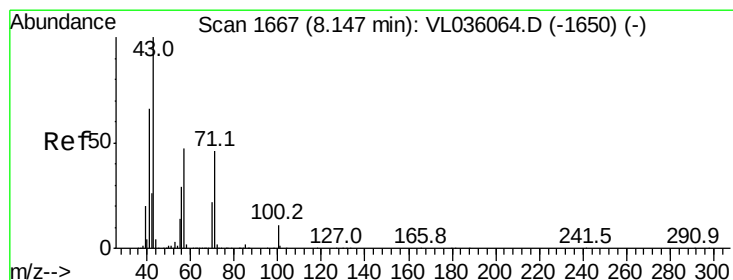
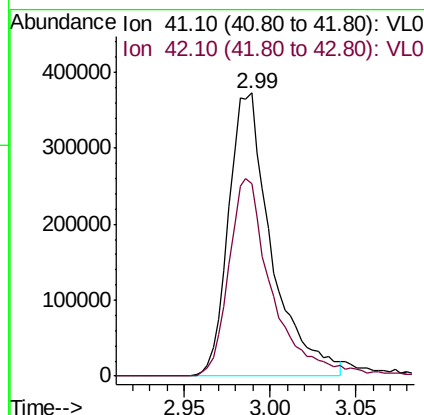
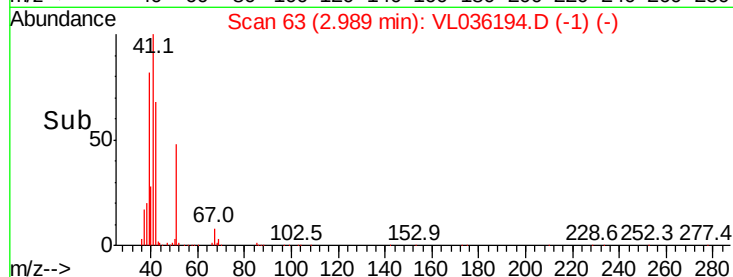
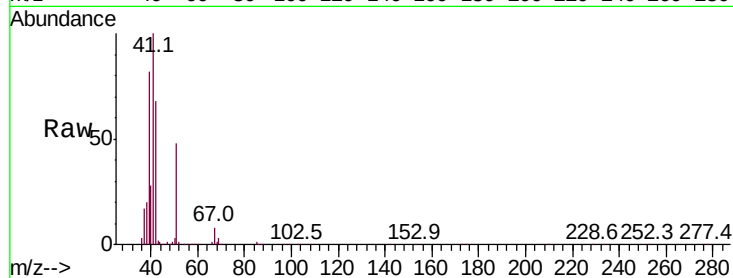
Ion Ratio Lower Upper

41 100

42 71.5 57.0 85.6

Manual Integrations
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#10

Heptane

Concen: 9.483 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.05 min

Lab File: VL036194.D

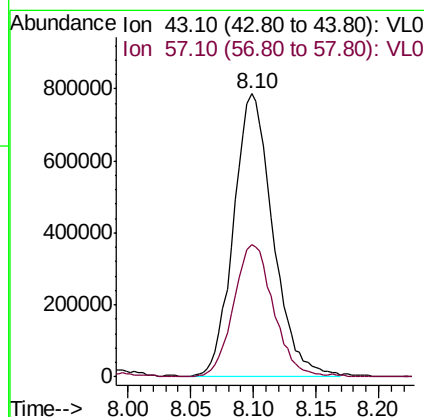
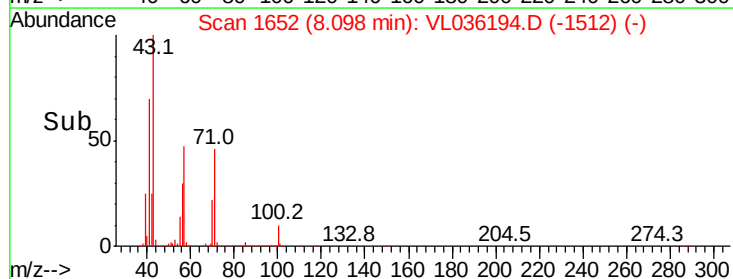
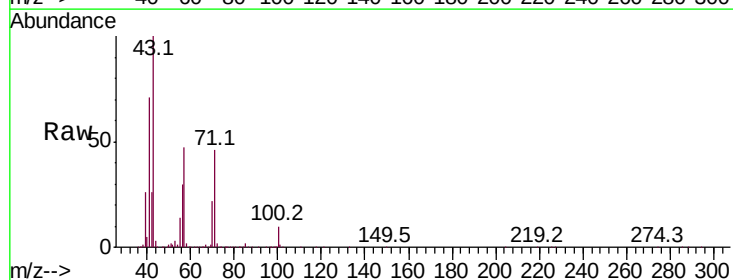
Acq: 23 Dec 2020 15:10

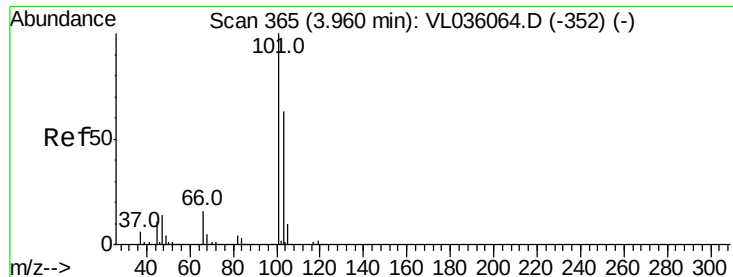
Tgt Ion: 43 Resp: 1696775

Ion Ratio Lower Upper

43 100

57 48.3 37.9 56.9





#11

Trichlorofluoromethane

Concen: 10.521 ppbv

RT: 3.92 min Scan# 354

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion:101 Resp: 1766906

Ion Ratio Lower Upper

101 100

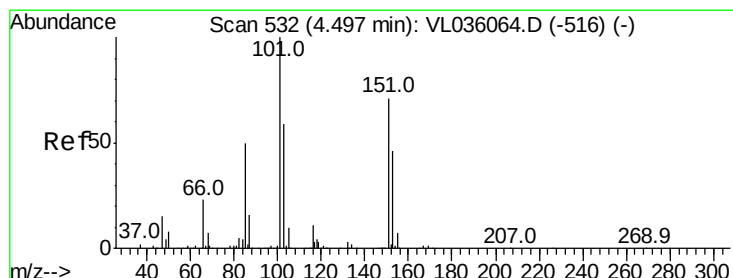
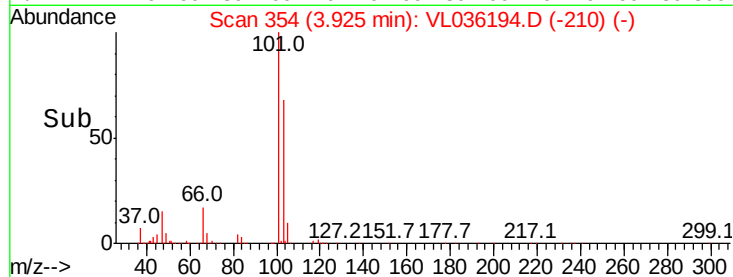
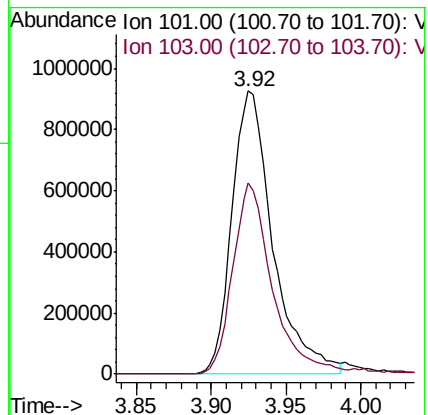
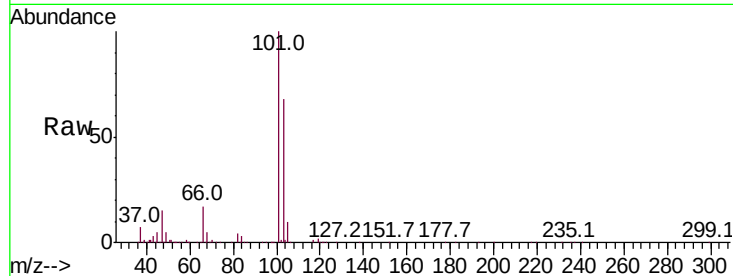
103 67.5 50.3 75.5

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.645 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.04 min

Lab File: VL036194.D

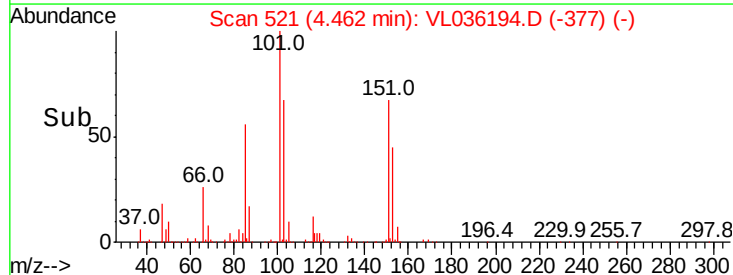
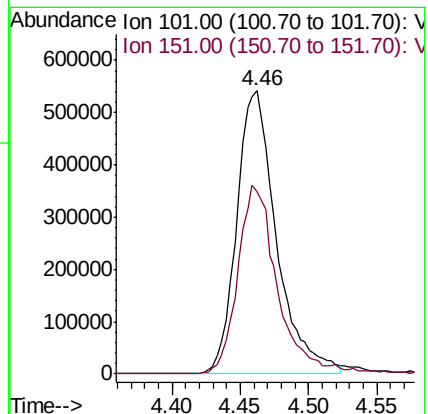
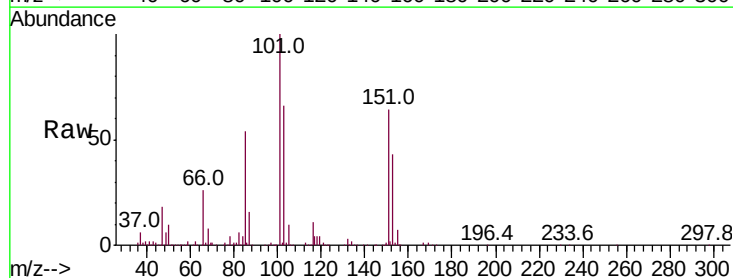
Acq: 23 Dec 2020 15:10

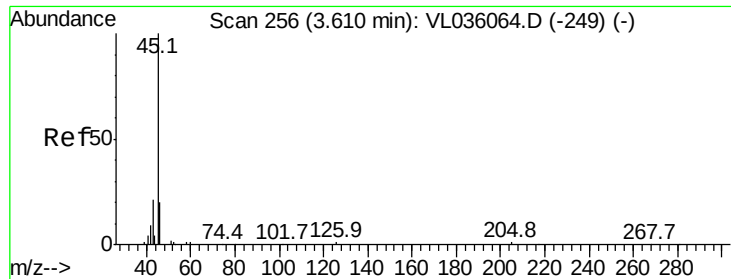
Tgt Ion:101 Resp: 1100035

Ion Ratio Lower Upper

101 100

151 67.0 59.3 88.9





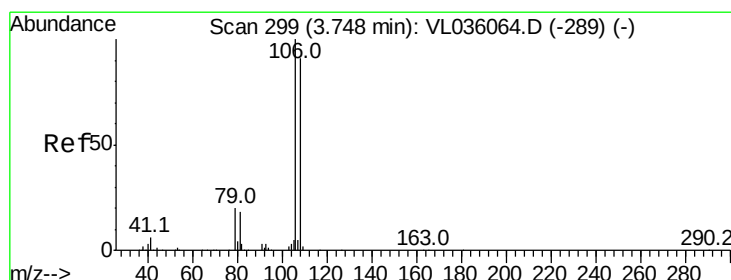
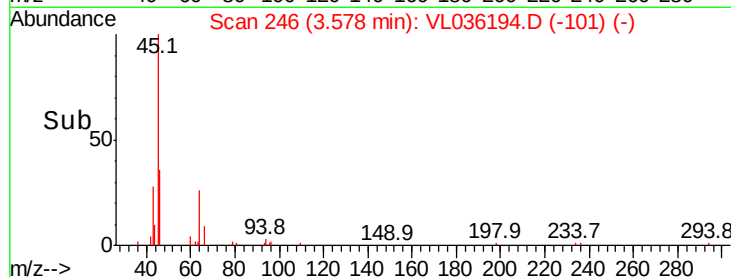
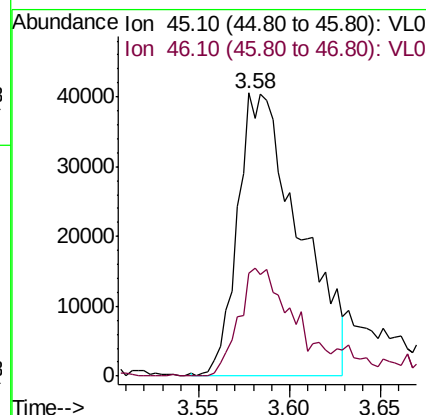
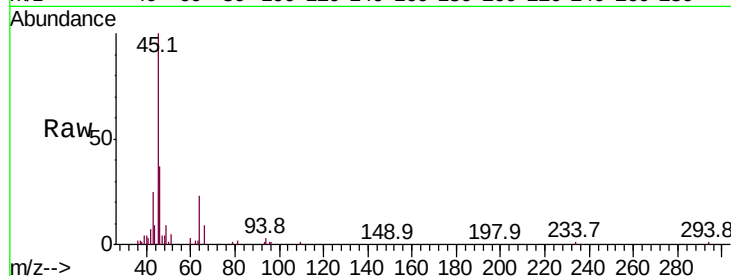
#13
Ethanol
Concen: 9.897 ppbv m
RT: 3.58 min Scan# 246
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion	45	46	Ratio	100	38.1	Resp:	95585	Lower	19.0	Upper	75.8
Ion	45	46	Ratio	100	38.1	Resp:	95585	Lower	19.0	Upper	75.8

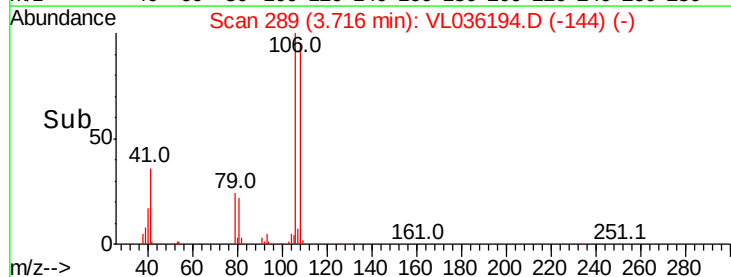
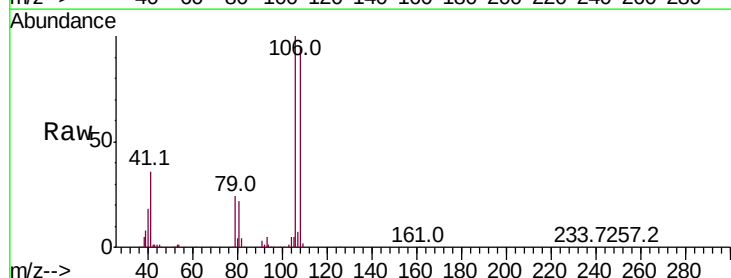
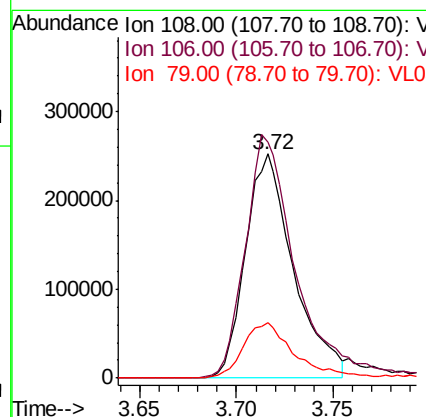
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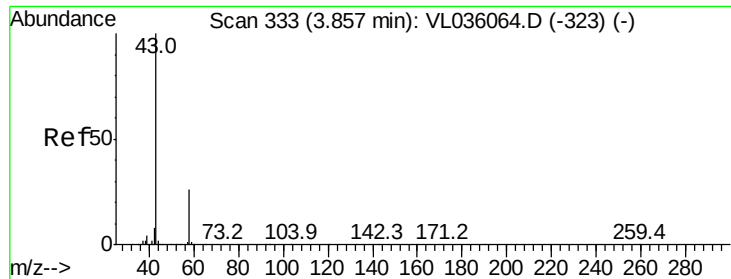
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#14
Bromoethene
Concen: 9.309 ppbv
RT: 3.72 min Scan# 289
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion	108	106	79	Ratio	100	117.2	27.4	Resp:	435571	Lower	91.0	19.3	Upper	136.4	28.9
Ion	108	106	79	Ratio	100	117.2	27.4	Resp:	435571	Lower	91.0	19.3	Upper	136.4	28.9





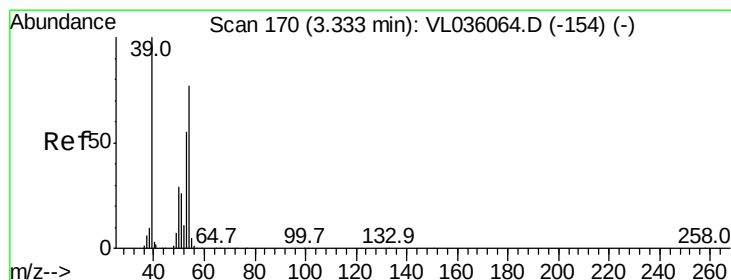
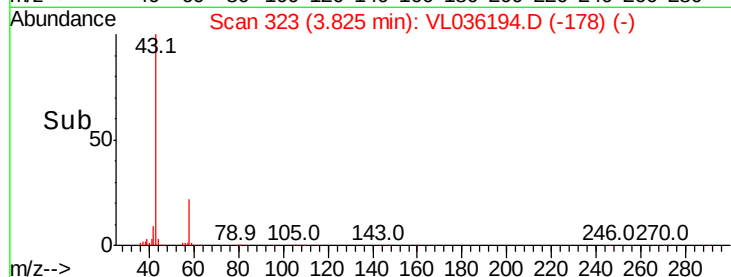
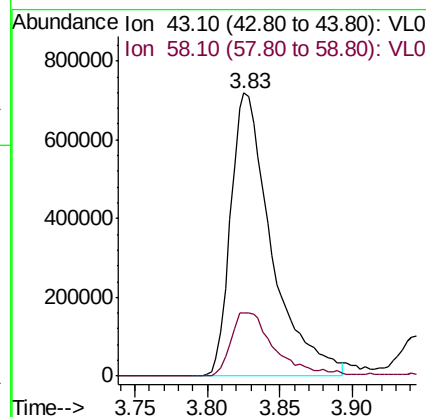
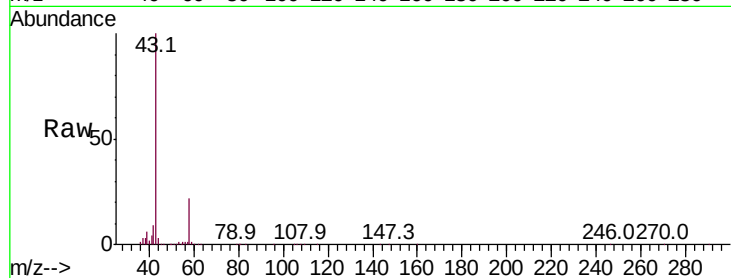
#15
Acetone
Concen: 9.536 ppbv
RT: 3.83 min Scan# 323
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 43 Resp: 1404756
Ion Ratio Lower Upper
43 100
58 24.9 20.9 31.3

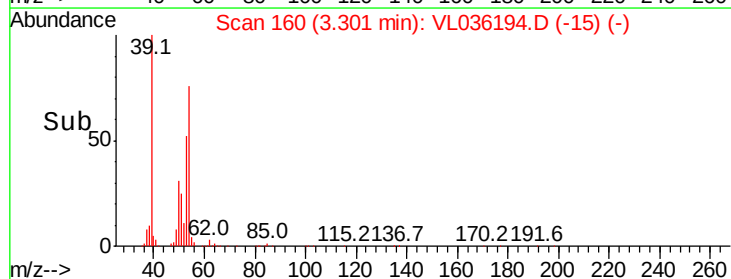
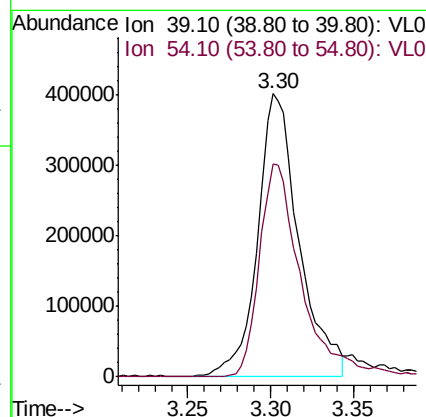
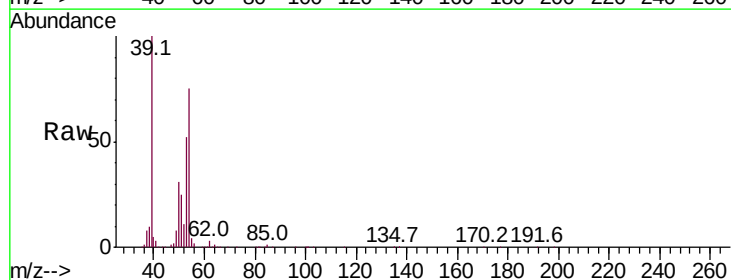
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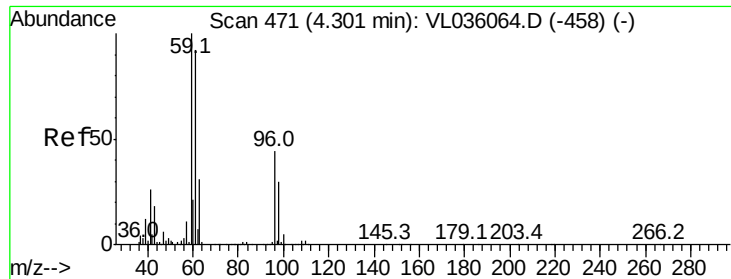
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#16
1,3-Butadiene
Concen: 9.268 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 39 Resp: 687609
Ion Ratio Lower Upper
39 100
54 78.9 62.1 93.1





#17

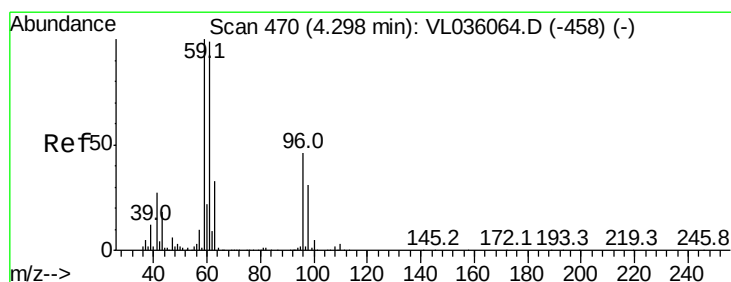
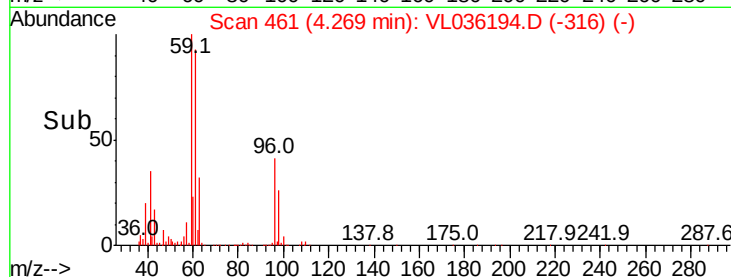
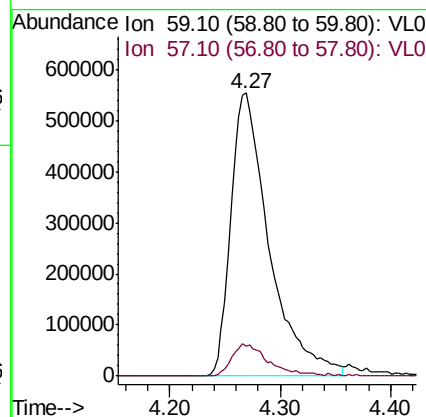
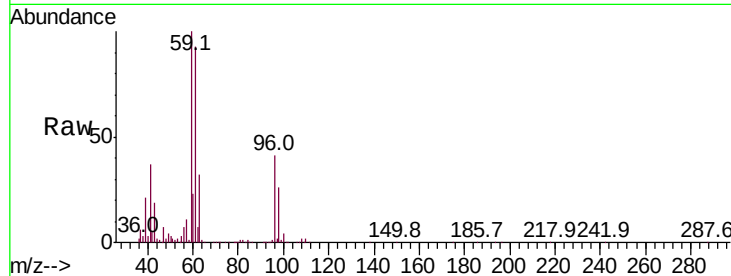
tert-Butyl alcohol
Concen: 9.356 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 59 Resp: 1334991
Ion Ratio Lower Upper
59 100
57 11.6 8.7 13.1

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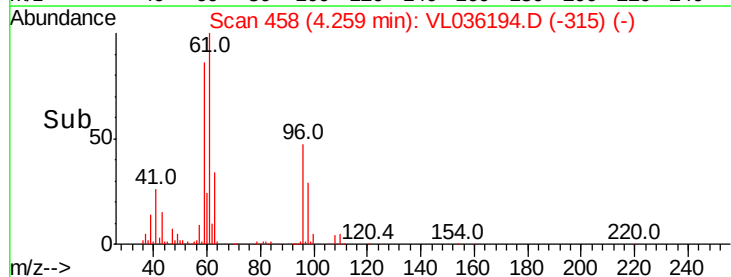
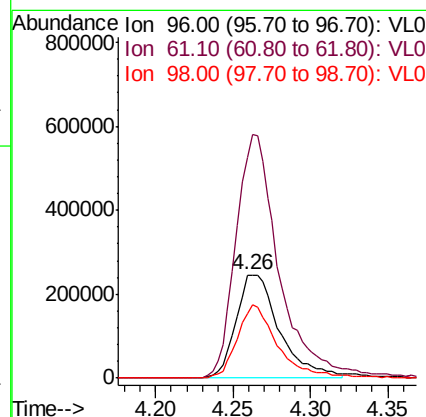
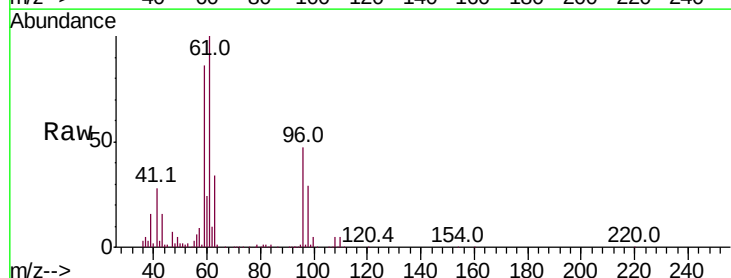
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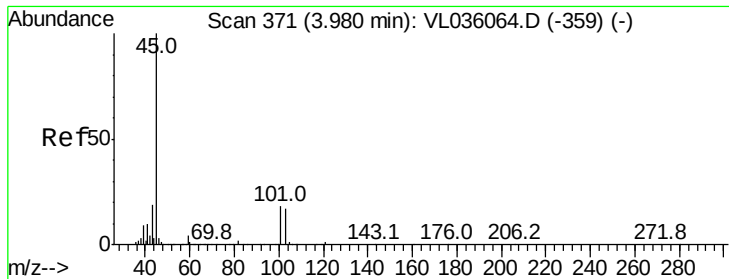


#18

1,1-Dichloroethene
Concen: 9.485 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 96 Resp: 480302
Ion Ratio Lower Upper
96 100
61 214.4 171.4 257.2
98 62.0 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.201 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 45 Resp: 828485

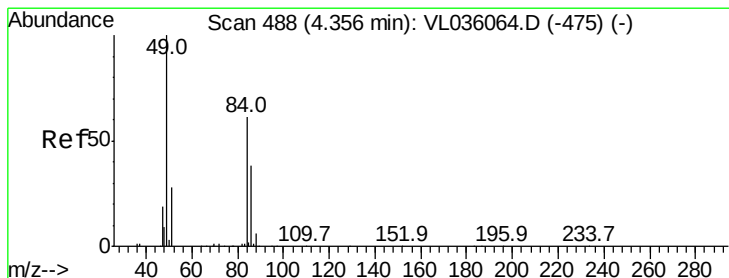
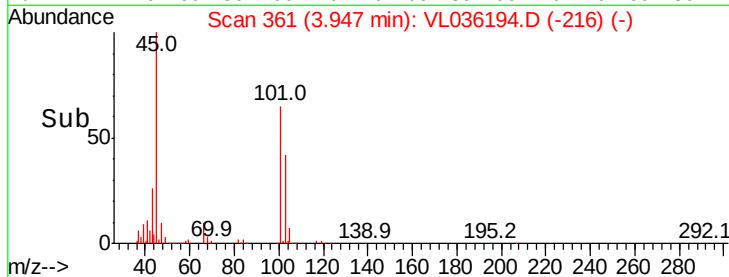
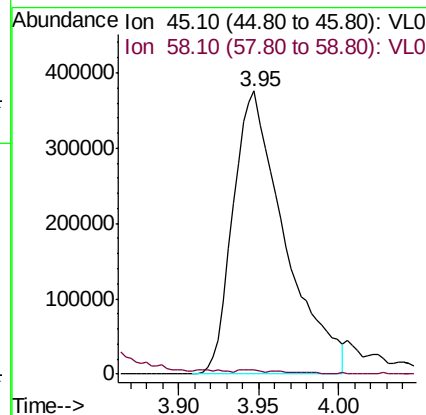
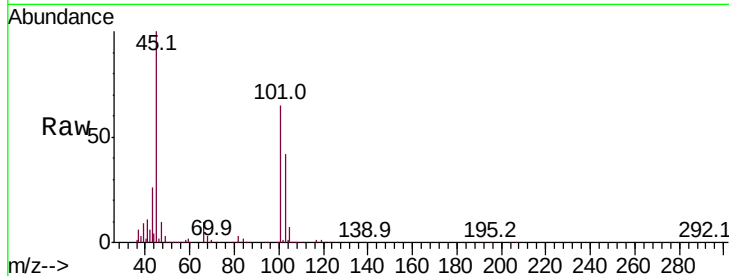
Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.083 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion: 84 Resp: 427605

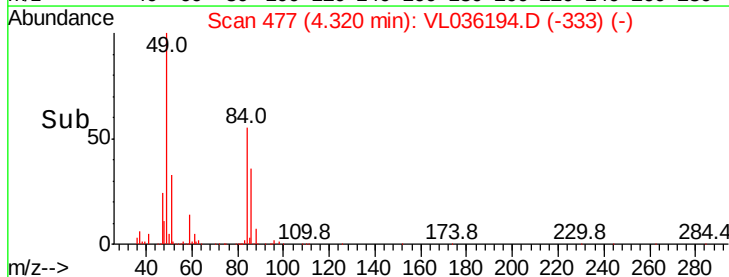
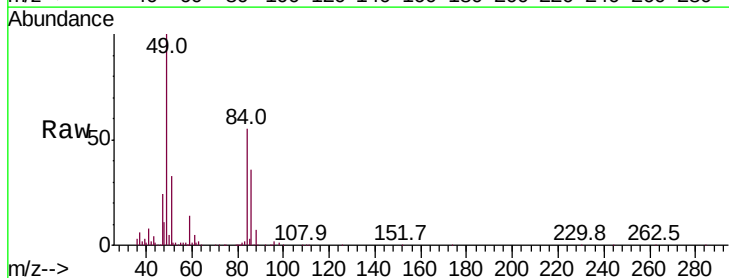
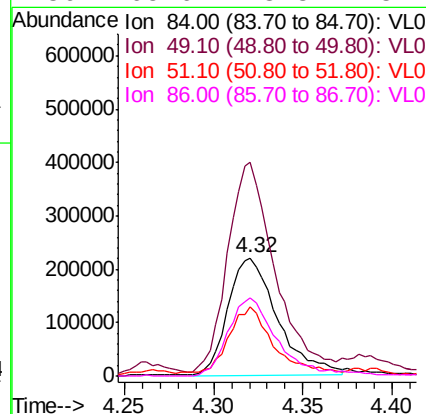
Ion Ratio Lower Upper

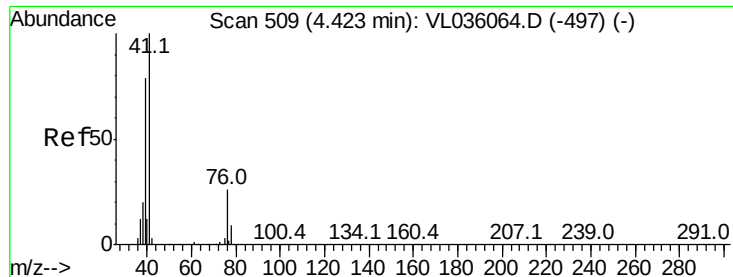
84 100

49 178.3 133.0 199.4

51 56.2 38.9 58.3

86 65.6 48.8 73.2





#21

Allvl Chloride

Concen: 8.945 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

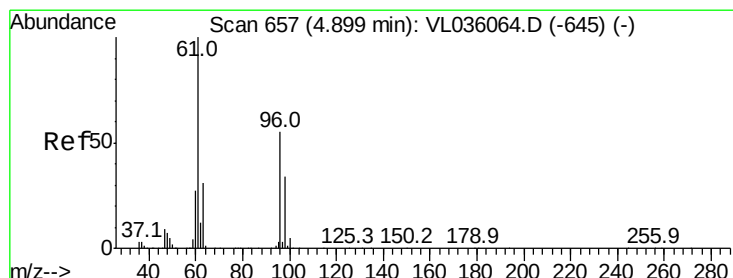
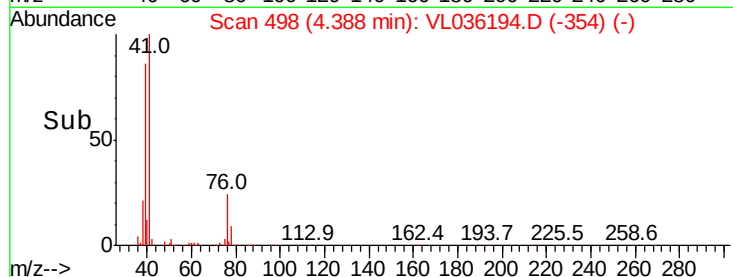
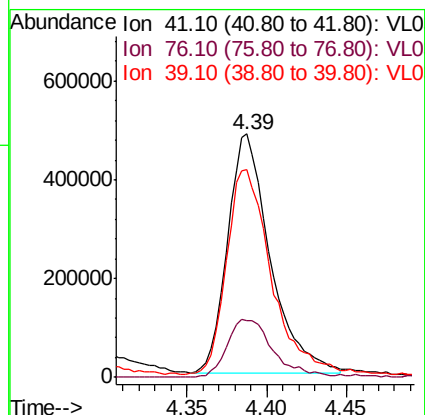
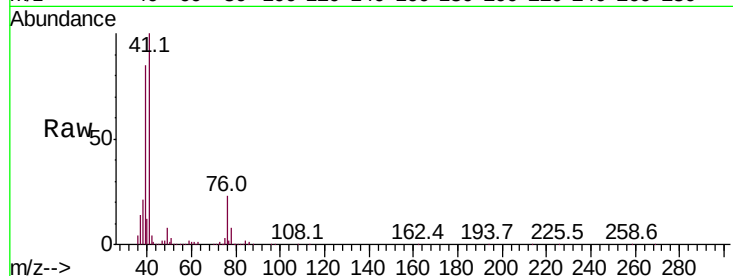
ClientSampleId :

VL1223ABS01

Tot Ion:	41	Resp:	876141
Ion Ratio	Lower	Upper	
41	100		
76	27.1	21.0	31.4
39	96.0	66.0	99.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 9.162 ppbv

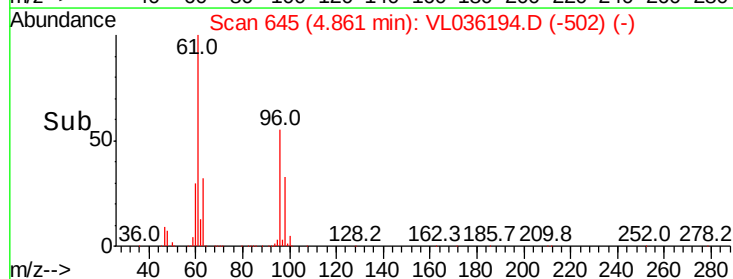
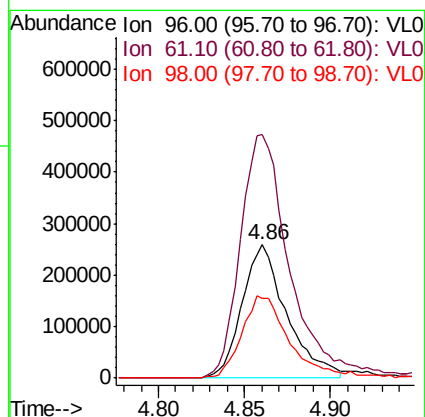
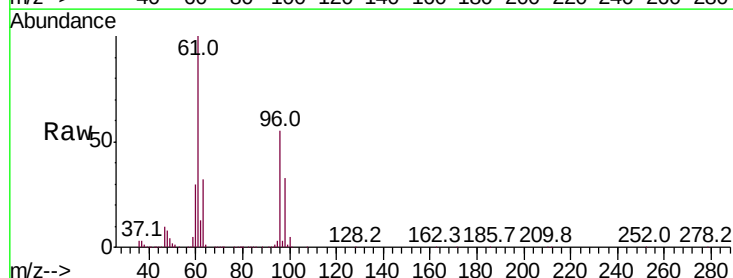
RT: 4.86 min Scan# 645

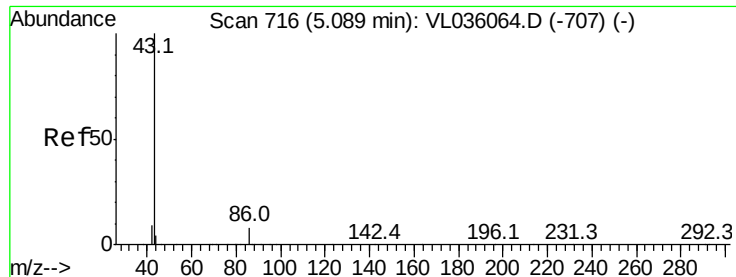
Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:	96	Resp:	464536
Ion Ratio	Lower	Upper	
96	100		
61	182.5	145.7	218.5
98	60.1	49.2	73.8





#23

Vinyl Acetate

Concen: 9.476 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 43 Resp: 1858512

Ion Ratio Lower Upper

43 100

86 6.1 5.0 7.4

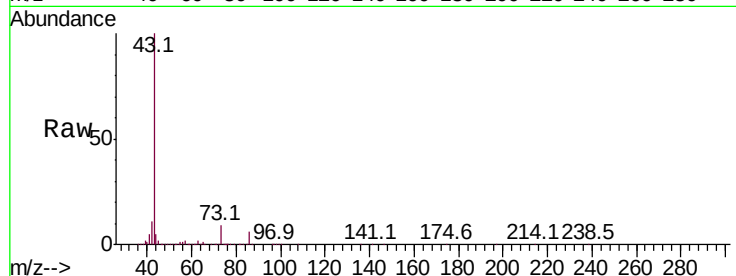
42 10.6 7.8 11.6

44 4.8 3.2 4.8

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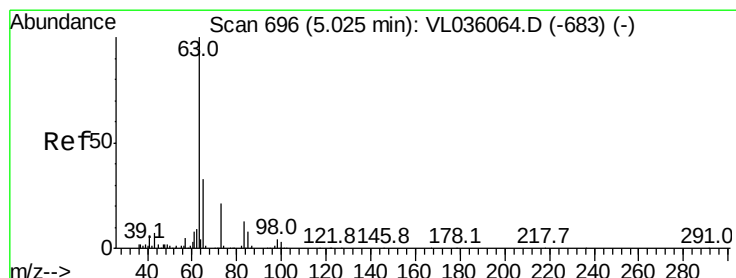
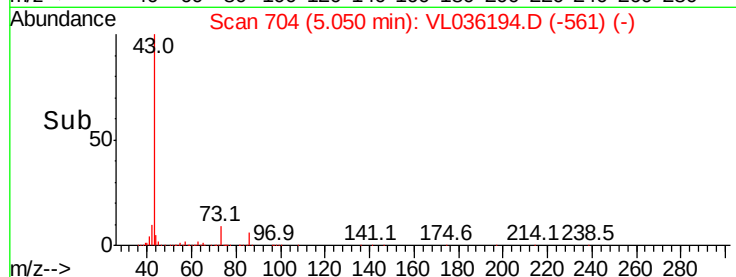
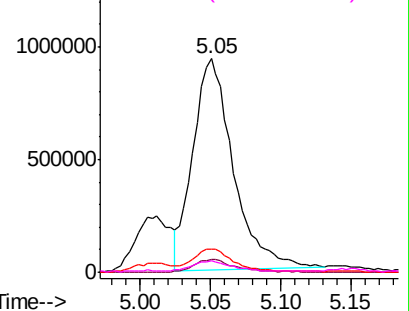


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.428 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

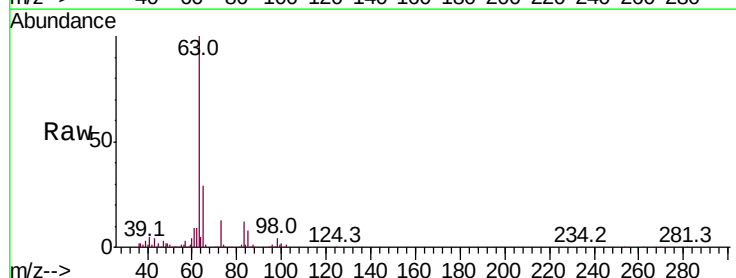
Tgt Ion: 63 Resp: 1300536

Ion Ratio Lower Upper

63 100

98 3.6 2.2 6.6

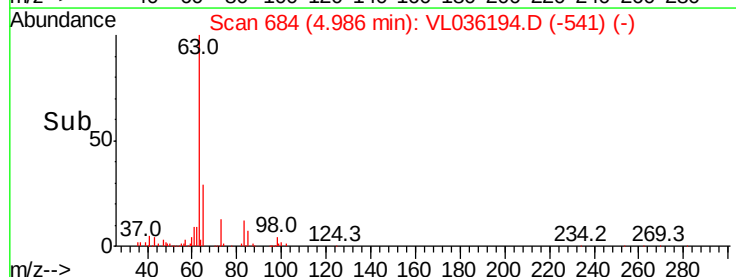
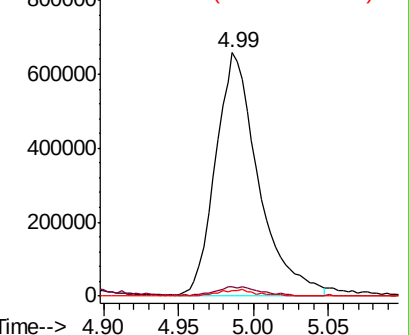
100 2.4 1.5 4.4

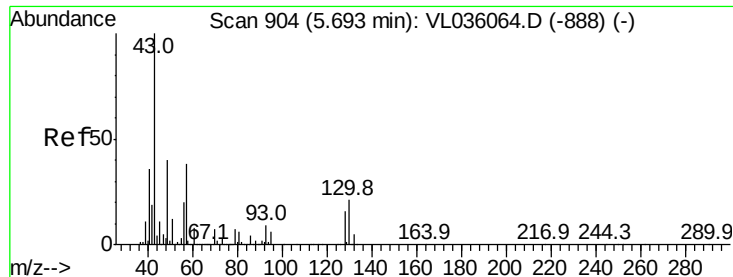


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.930 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 43 Resp: 2922251

Ion Ratio Lower Upper

43 100

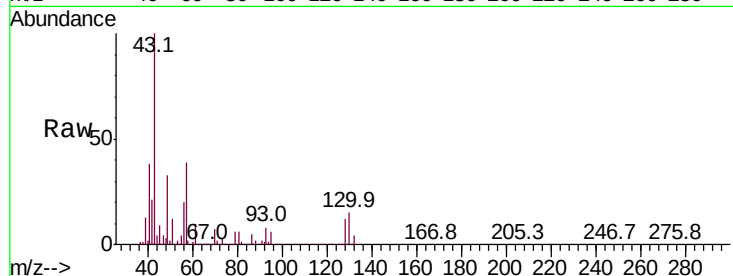
45 9.9 8.2 12.4

61 9.1 7.4 11.2

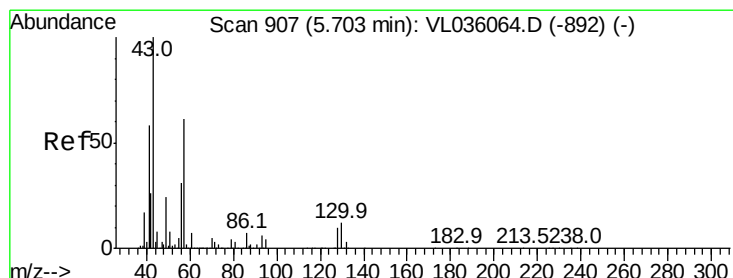
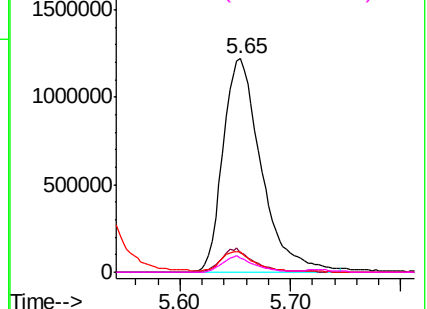
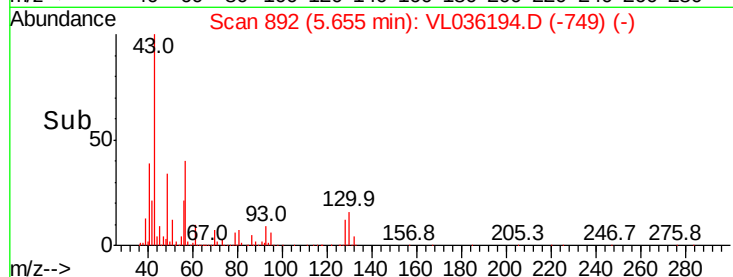
70 6.4 5.4 8.0

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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: 8.931 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion: 57 Resp: 1182888

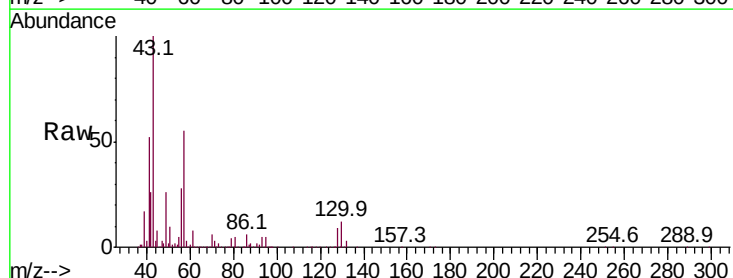
Ion Ratio Lower Upper

57 100

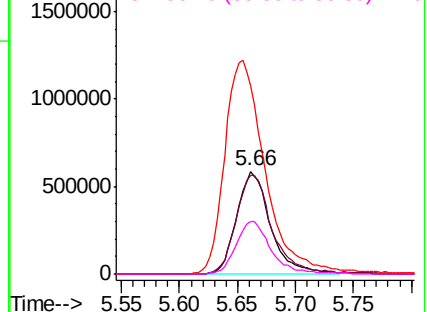
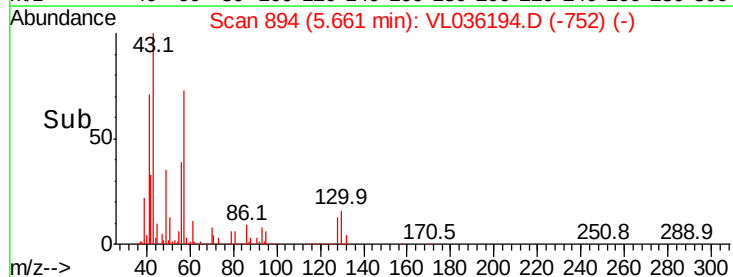
41 103.8 82.9 124.3

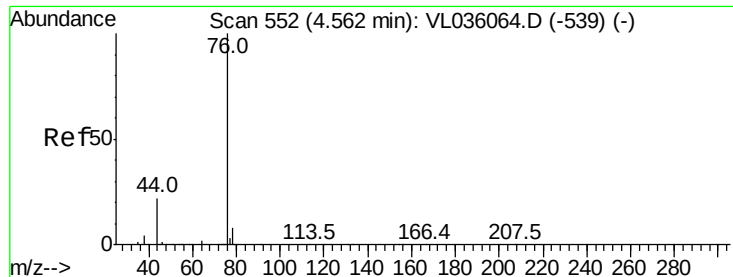
43 251.9 199.9 299.9

56 53.1 43.1 64.7



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: 9.423 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 76 Resp: 1240433

Ion Ratio Lower Upper

76 100

44 26.3 17.9 26.9

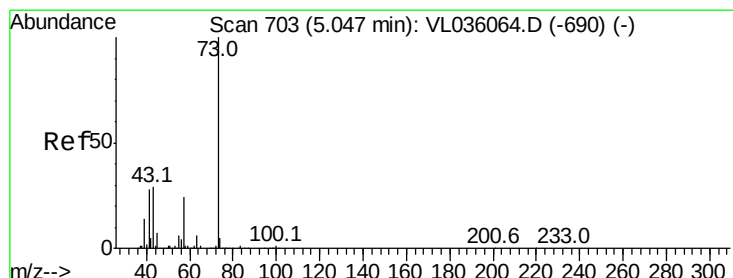
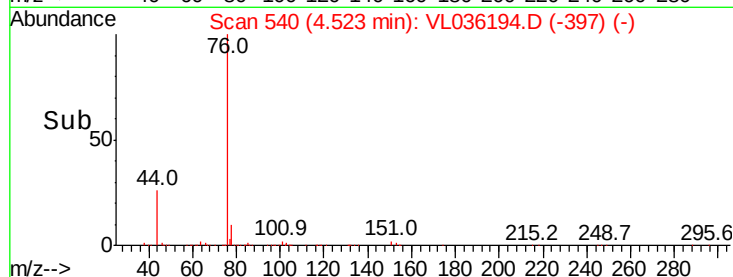
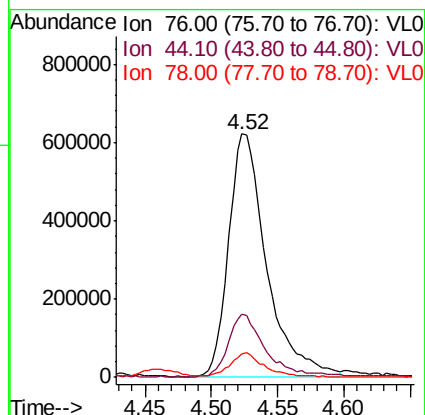
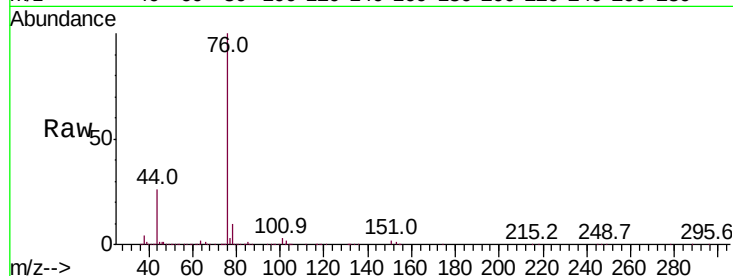
78 9.3 7.8 11.8

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.133 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.04 min

Lab File: VL036194.D

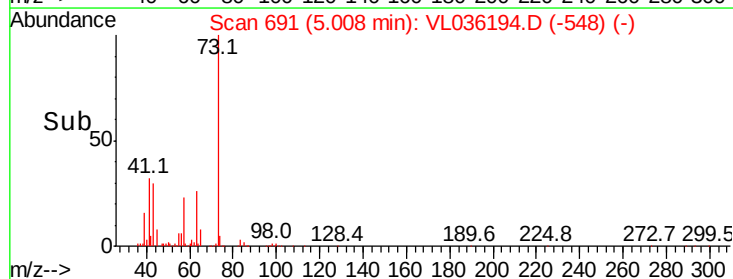
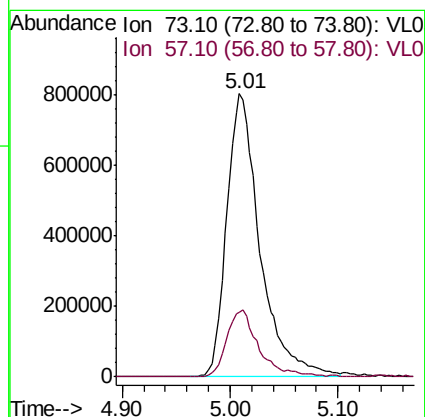
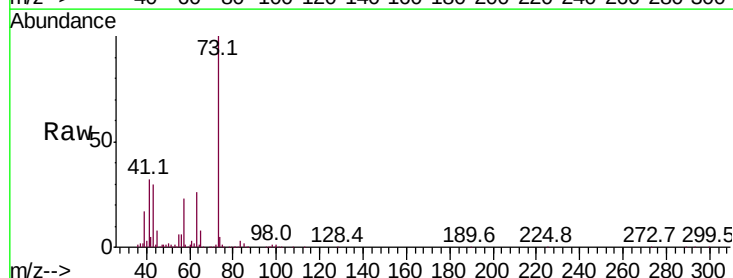
Acq: 23 Dec 2020 15:10

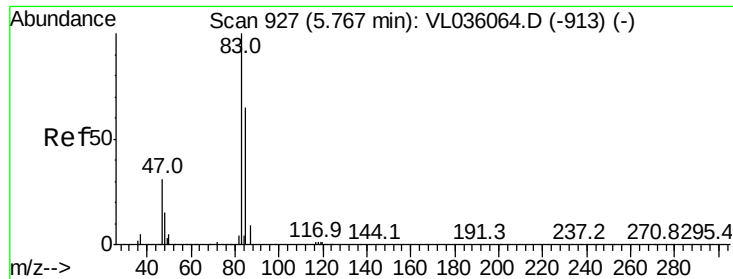
Tgt Ion: 73 Resp: 1719847

Ion Ratio Lower Upper

73 100

57 23.2 19.2 28.8





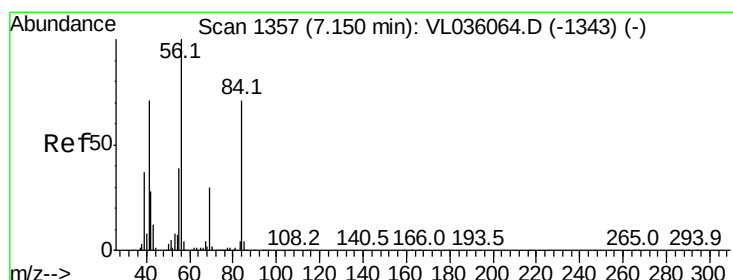
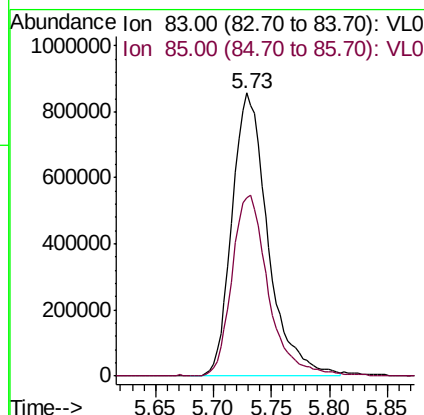
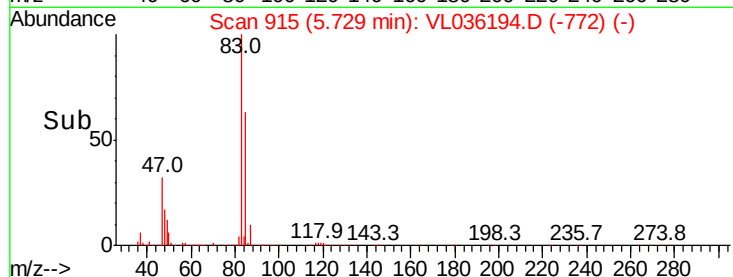
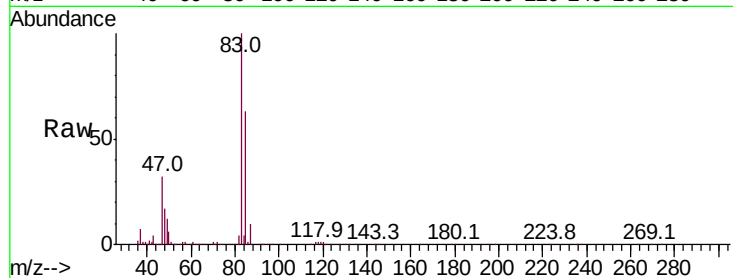
#29
Chloroform
Concen: 10.580 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 83 Resp: 1840201
Ion Ratio Lower Upper
83 100
85 62.8 51.8 77.6

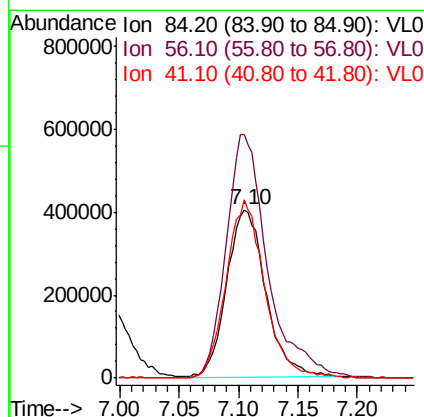
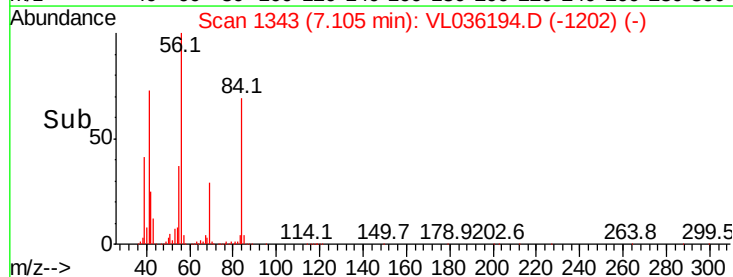
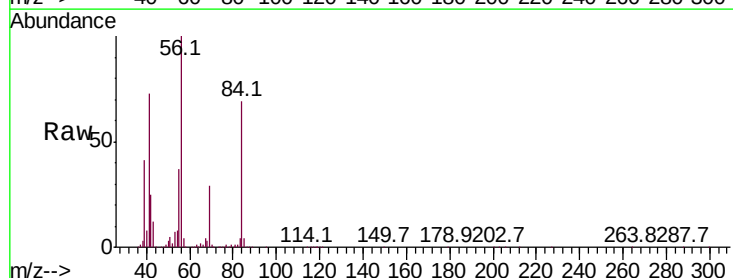
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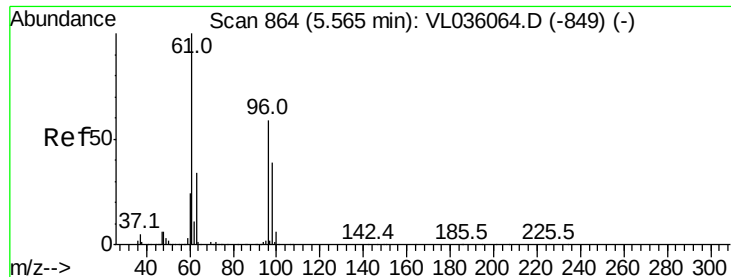
MMDadoda
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#30
Cyclohexane
Concen: 9.486 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 84 Resp: 922928
Ion Ratio Lower Upper
84 100
56 154.9 128.0 192.0
41 104.8 81.3 121.9





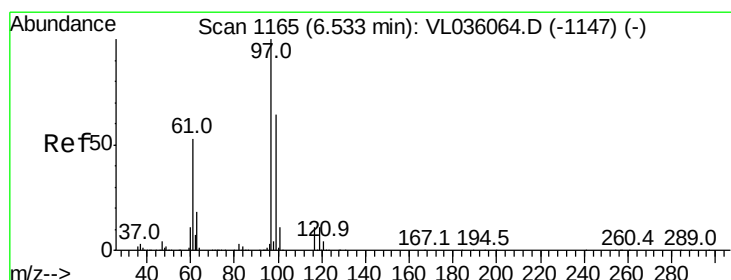
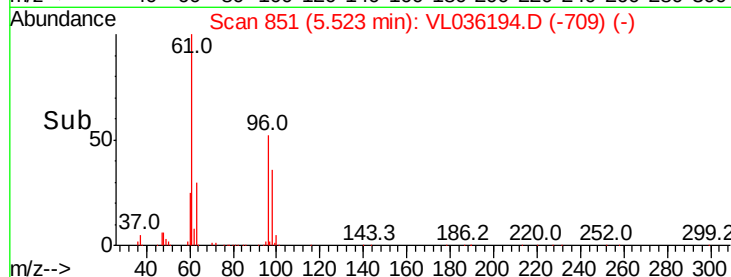
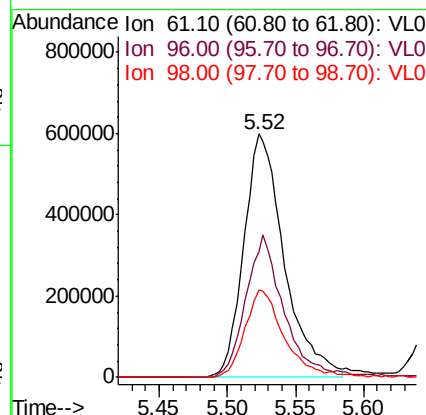
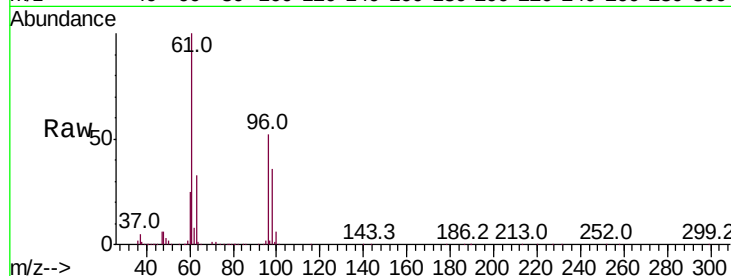
#31
 cis-1,2-Dichloroethene
 Concen: 10.240 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	51.8	47.3	70.9
98	35.7	31.4	47.0

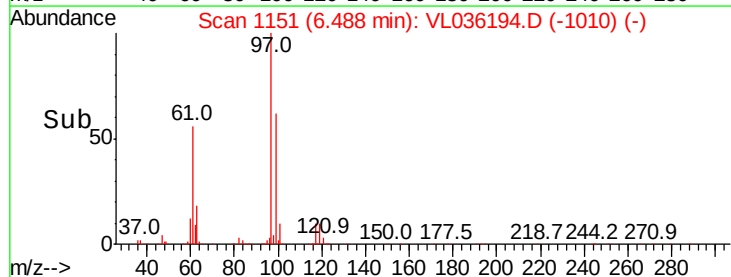
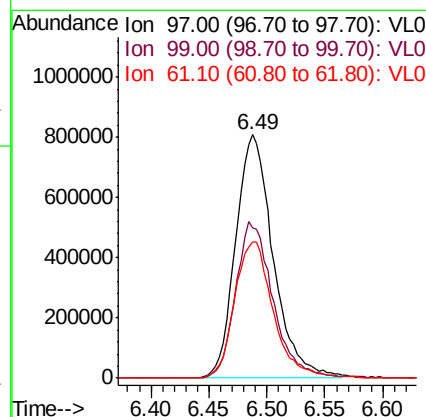
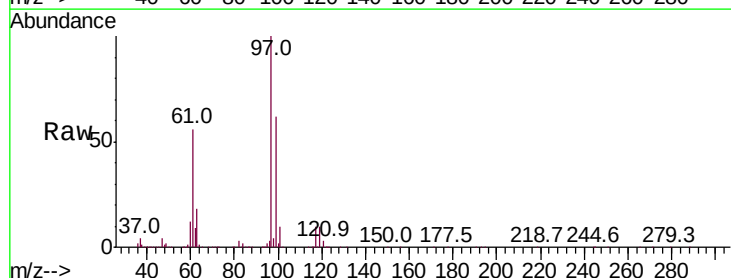
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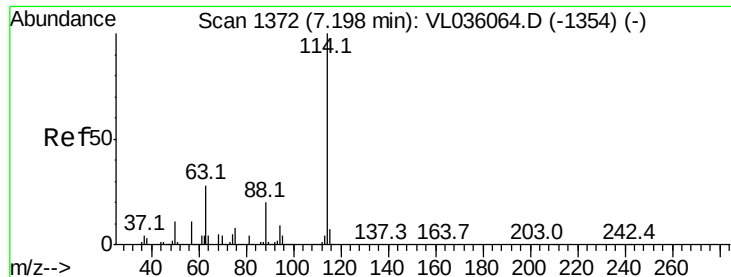
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#32
 1,1,1-Trichloroethane
 Concen: 10.156 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.4	78.6
61	57.5	43.4	65.0





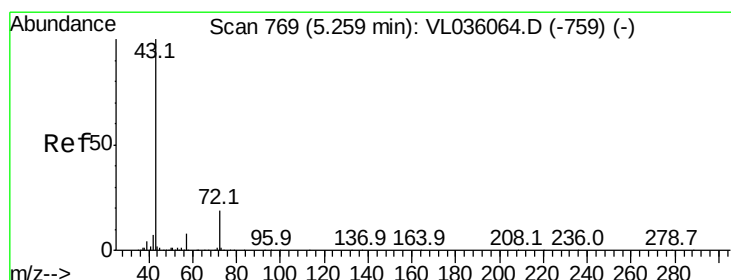
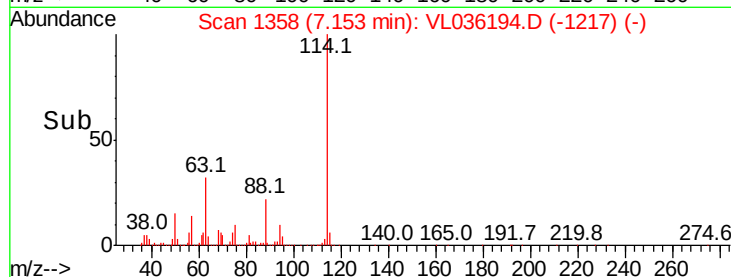
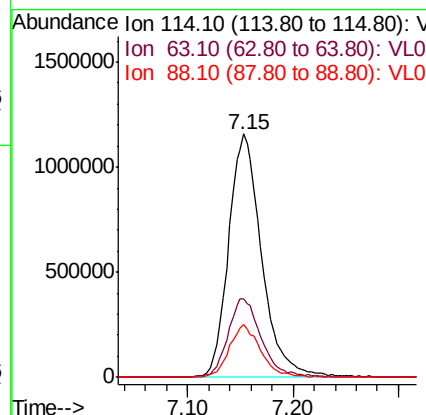
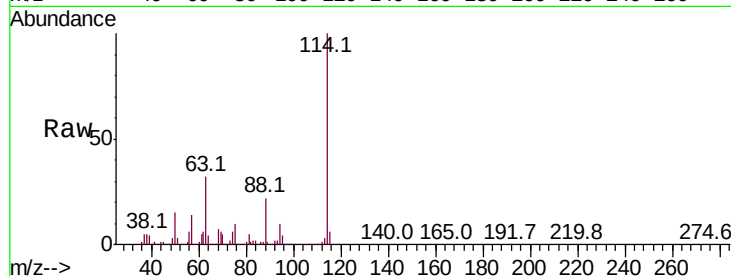
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.3	23.6	35.4
88	20.9	15.8	23.6

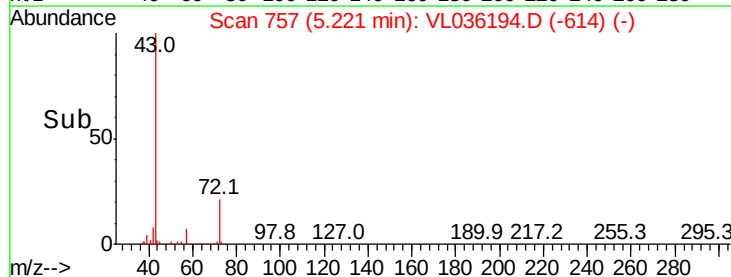
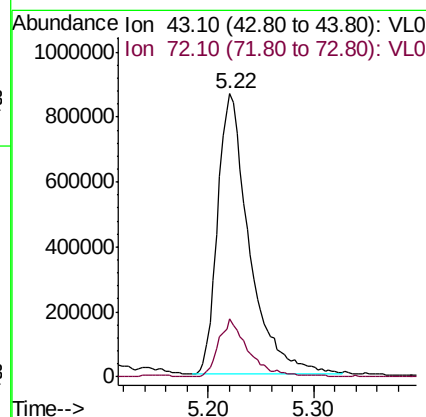
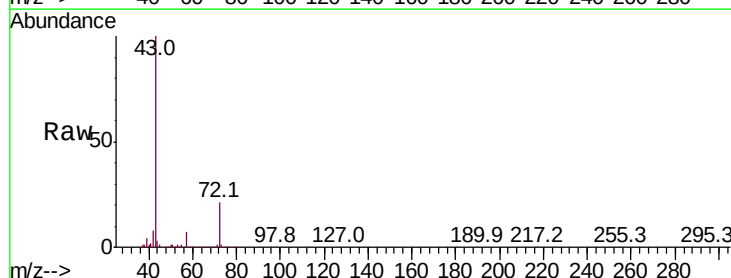
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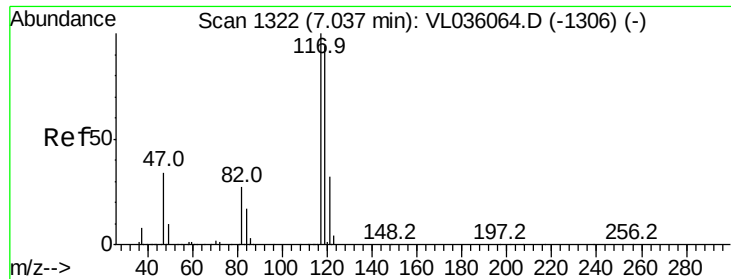
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#34
 2-Butanone
 Concen: 10.844 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.7	16.5	24.7





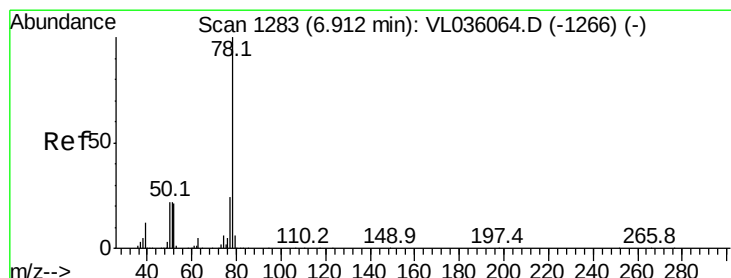
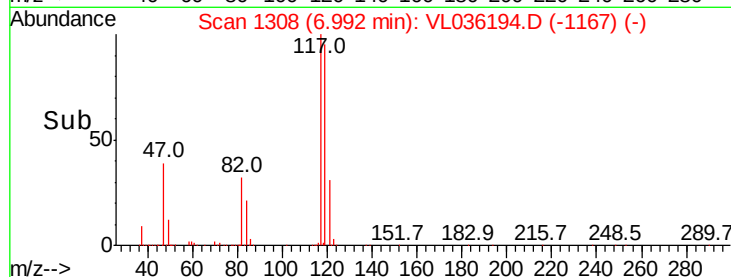
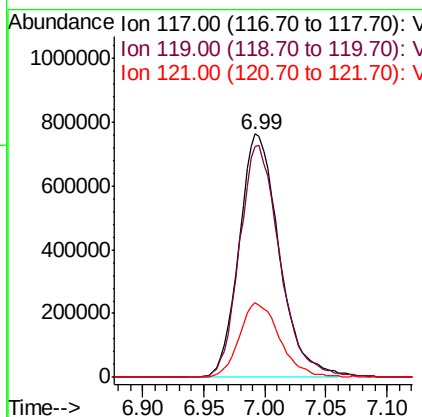
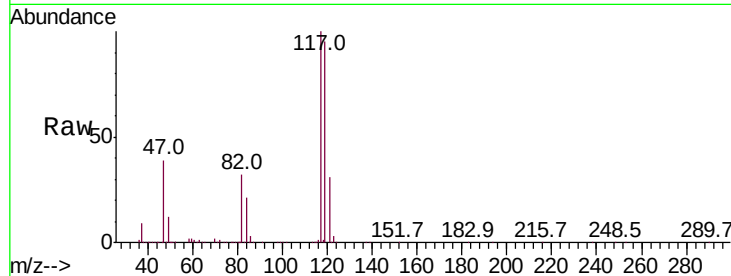
#35
Carbon Tetrachloride
Concen: 11.903 ppbv
RT: 6.99 min Scan# 1308
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.1	112.7
121	30.9	25.6	38.4

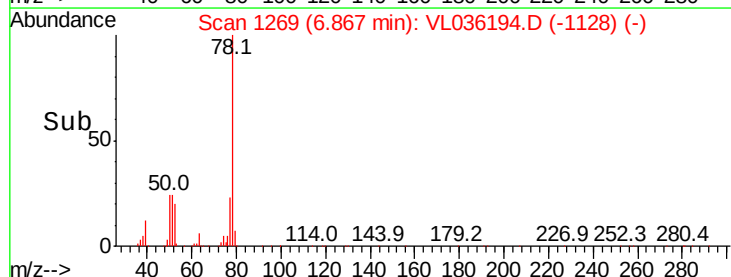
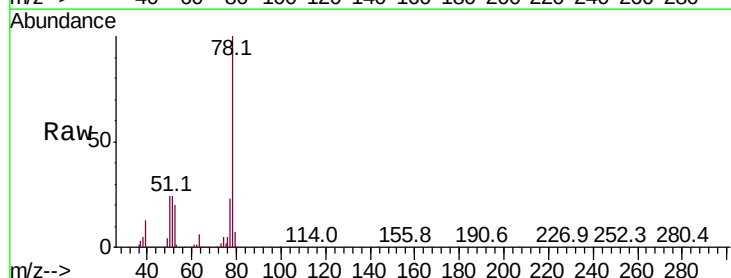
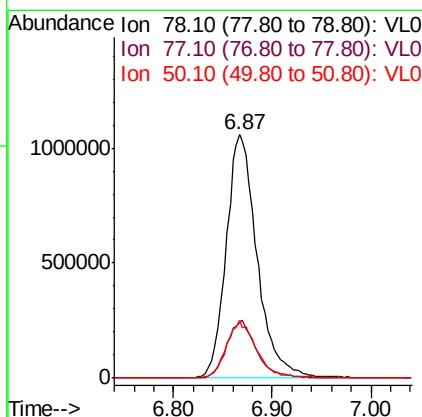
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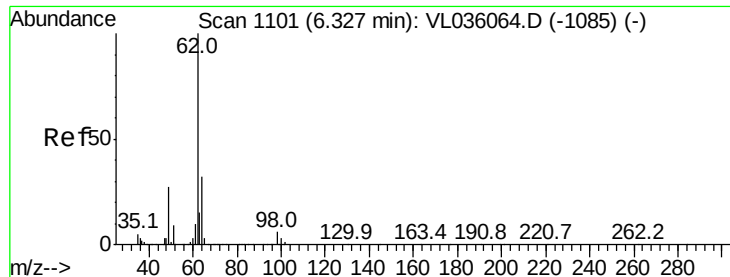
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#36
Benzene
Concen: 10.953 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.2
50	23.7	17.8	26.8





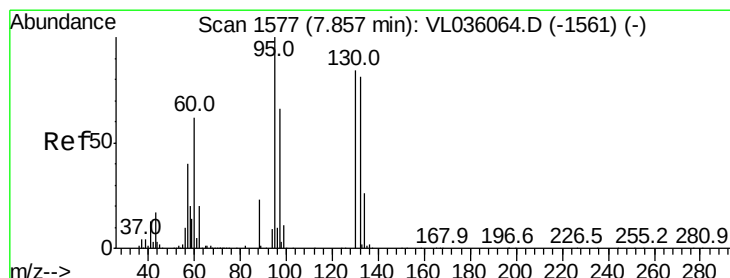
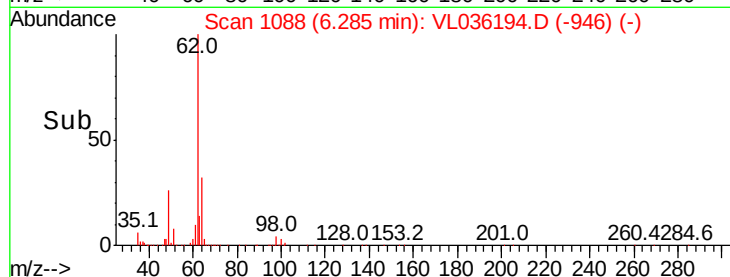
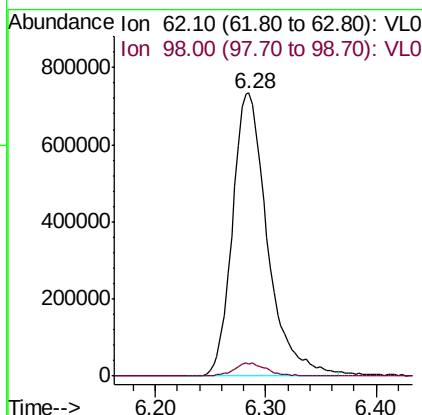
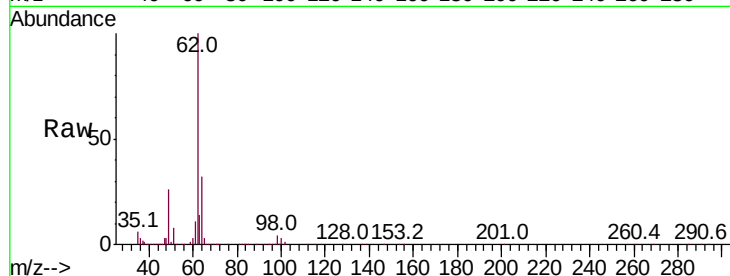
#37
 1,2-Dichloroethane
 Concen: 13.147 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion: 62 Resp: 1611242
 Ion Ratio Lower Upper
 62 100
 98 4.5 4.6 7.0#

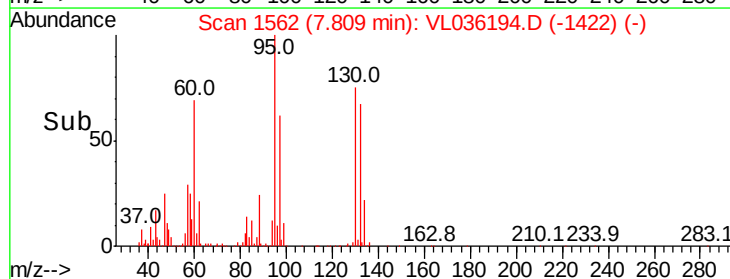
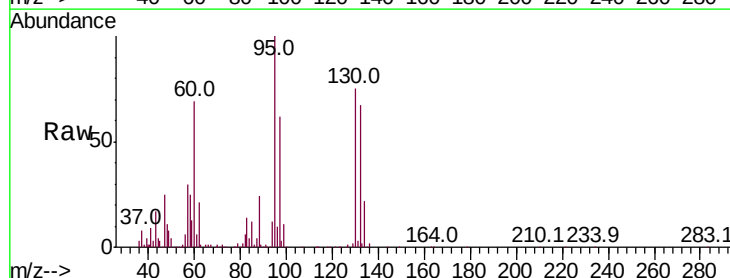
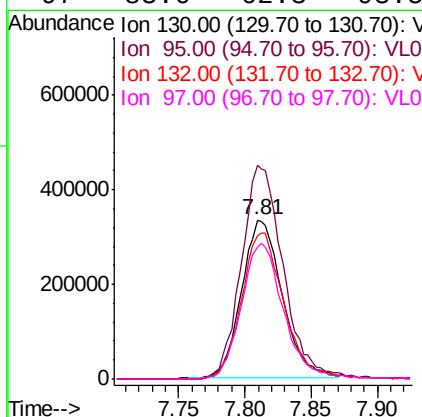
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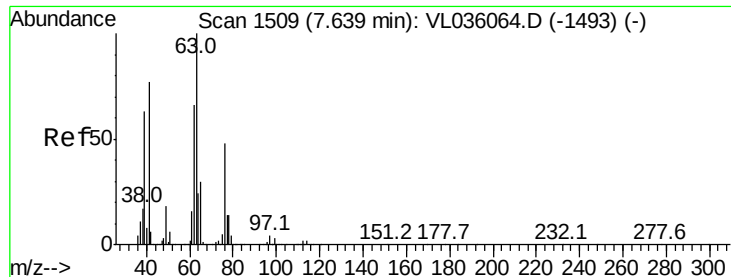
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#38
 Trichloroethene
 Concen: 9.086 ppbv
 RT: 7.81 min Scan# 1562
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 130 Resp: 718359
 Ion Ratio Lower Upper
 130 100
 95 134.5 95.2 142.8
 132 90.3 76.9 115.3
 97 83.6 62.3 93.5





#39

1,2-Dichloropropane

Concen: 11.609 ppbv

RT: 7.59 min Scan# 1493

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

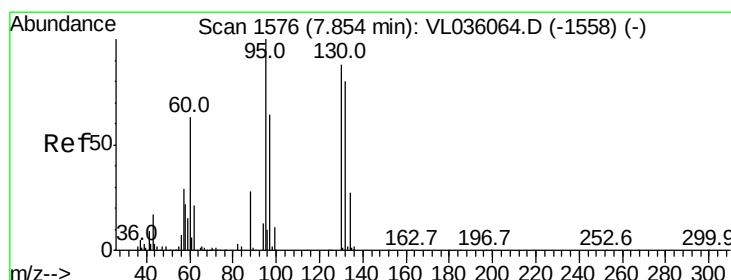
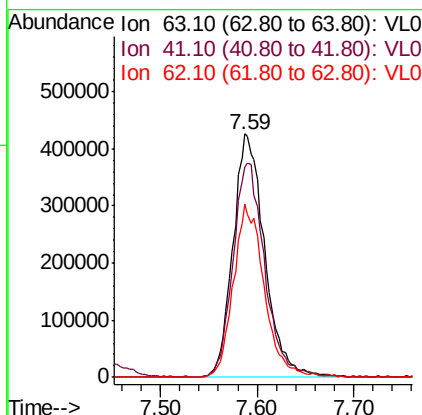
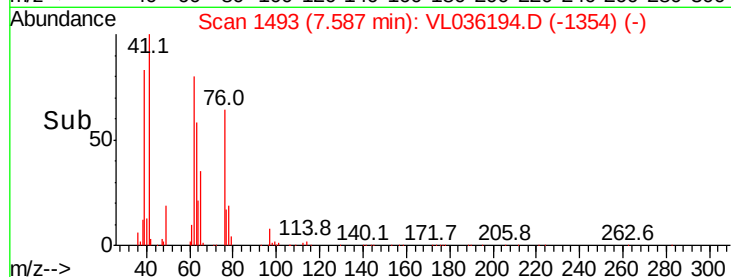
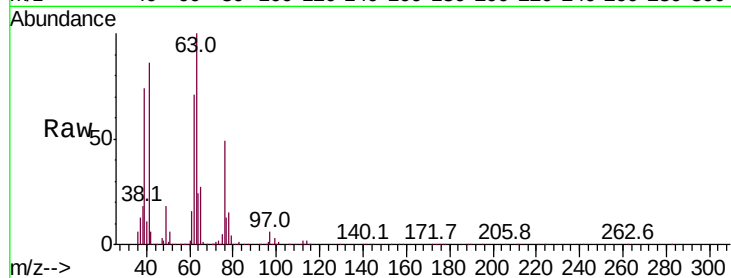
ClientSampleId :

VL1223ABS01

Tot Ion:	63	Resp:	969671
Ion Ratio	Lower	Upper	
63	100		
41	86.0	61.9	92.9
62	71.0	52.5	78.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.460 ppbv

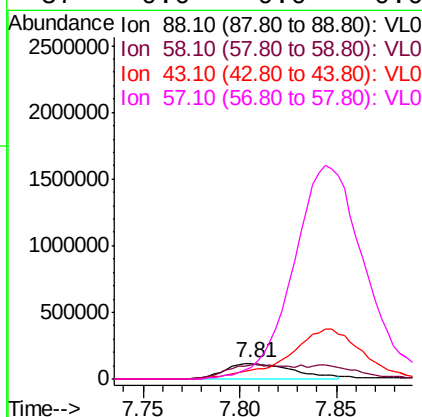
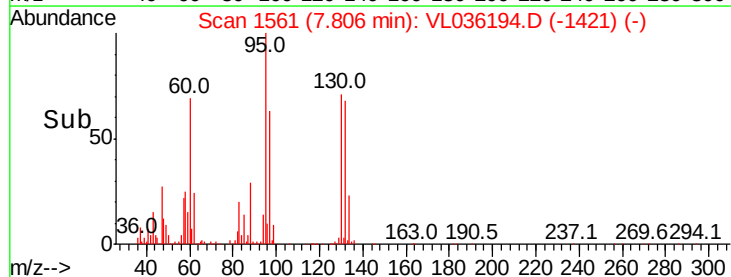
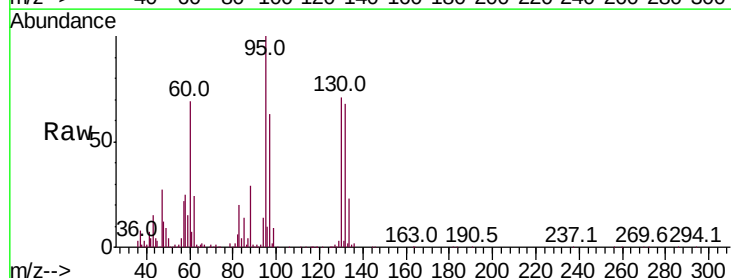
RT: 7.81 min Scan# 1561

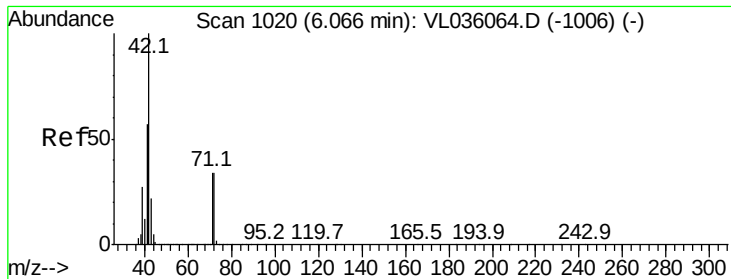
Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:	88	Resp:	274790
Ion Ratio	Lower	Upper	
88	100		
58	86.5	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.657 ppbv

RT: 6.02 min Scan# 1007

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

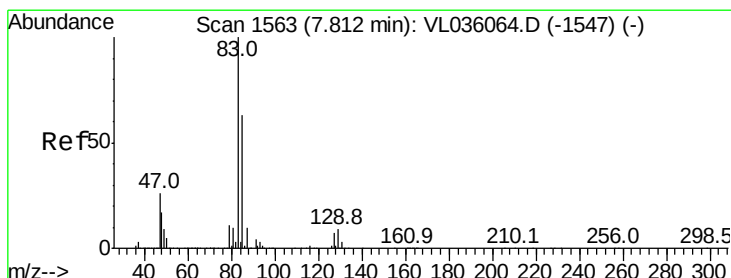
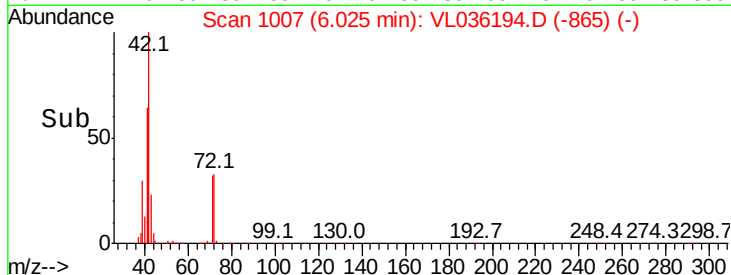
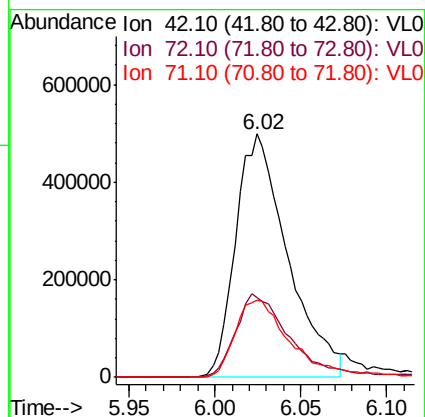
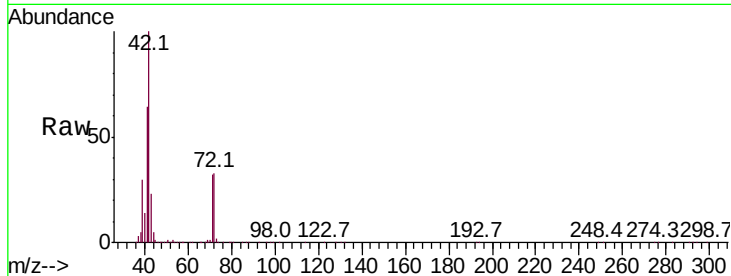
ClientSampleId :

VL1223ABS01

Tot Ion:	42	Resp:	1048043
Ion	Ratio	Lower	Upper
42	100		
72	37.0	28.3	42.5
71	34.9	27.3	40.9

Manual Integrations
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#42

Bromodichloromethane

Concen: 12.443 ppbv

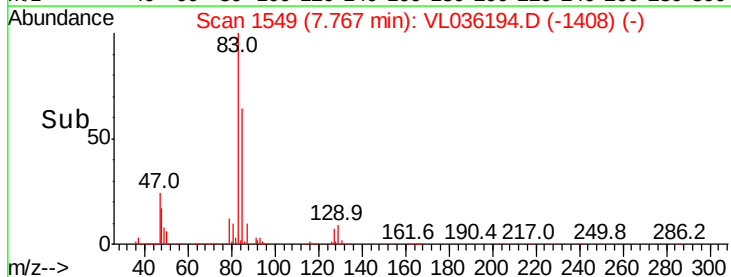
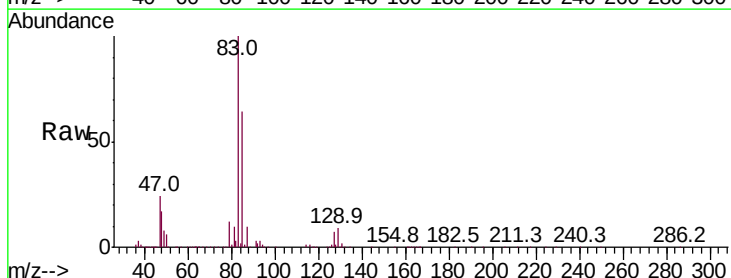
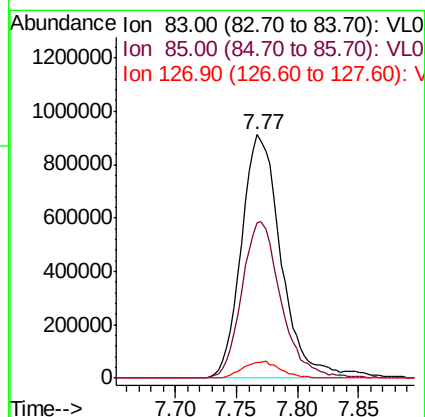
RT: 7.77 min Scan# 1549

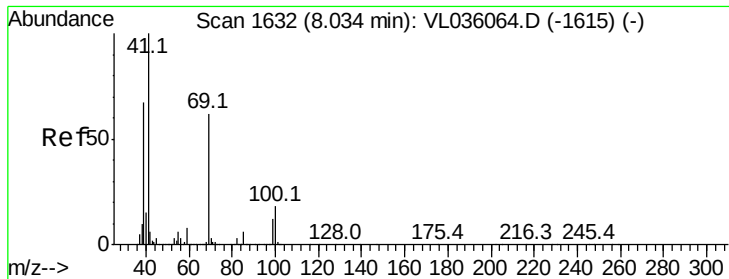
Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:	83	Resp:	2032123
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.2	75.2
127	6.7	5.5	8.3





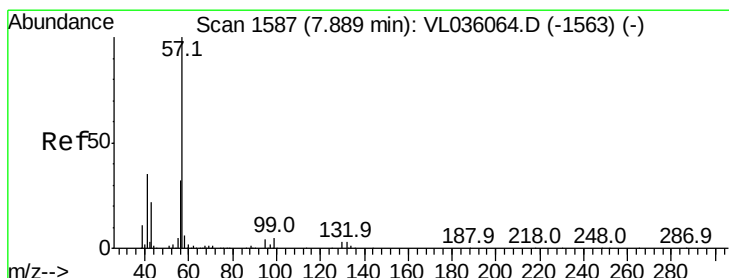
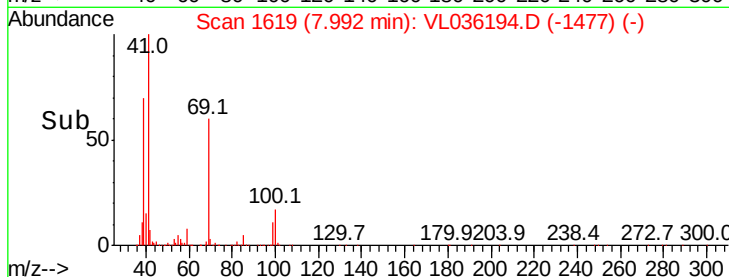
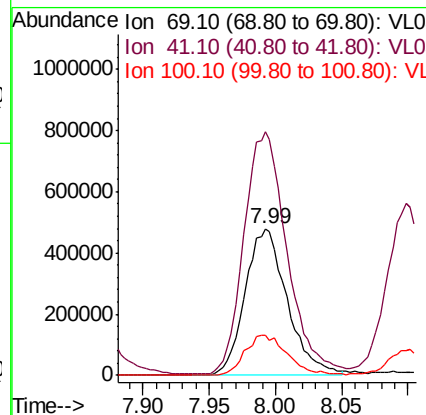
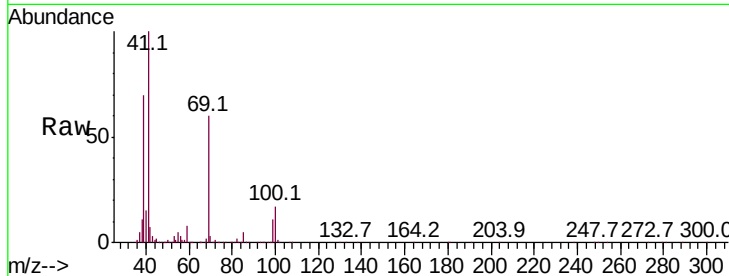
#43
Methyl Methacrylate
Concen: 11.637 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 69 Resp: 1055919
Ion Ratio Lower Upper
69 100
41 171.0 133.0 199.6
100 28.0 25.4 38.0

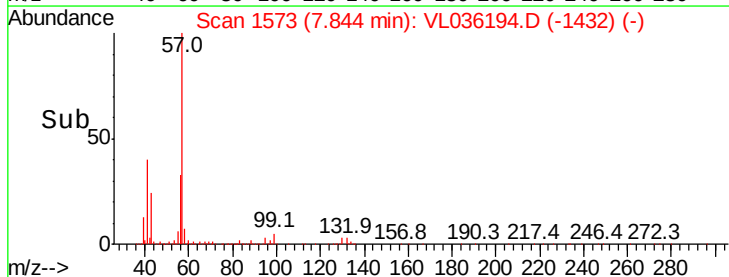
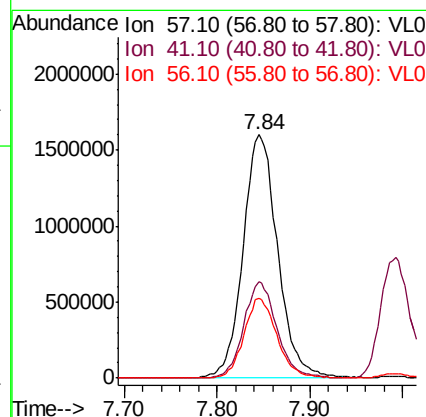
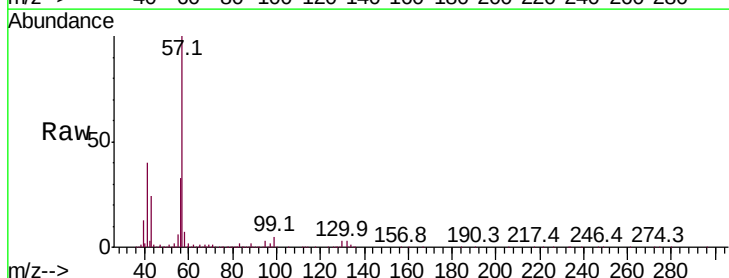
Manual Integrations
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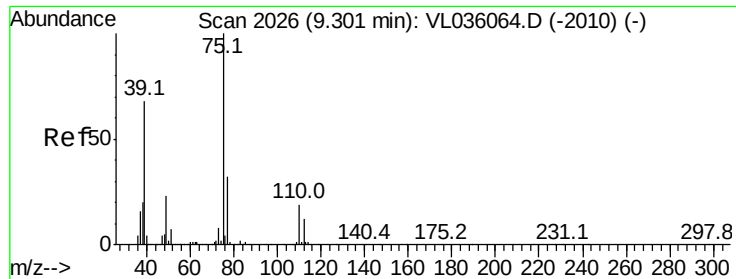
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#44
2,2,4-Trimethylpentane
Concen: 10.817 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 57 Resp: 4143190
Ion Ratio Lower Upper
57 100
41 38.0 28.9 43.3
56 31.4 25.3 37.9





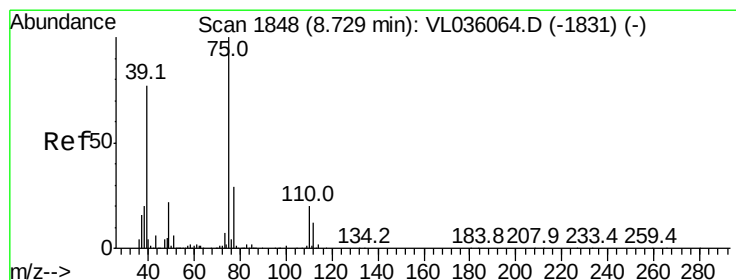
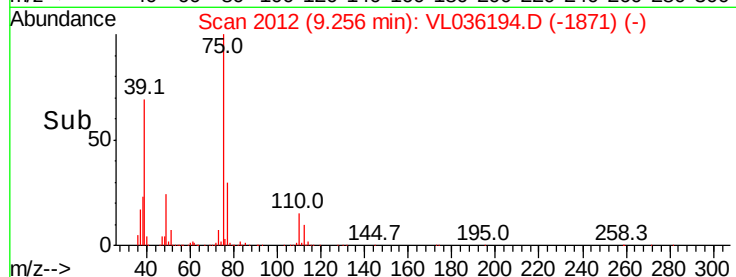
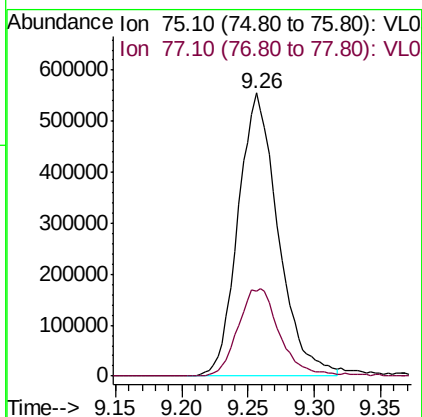
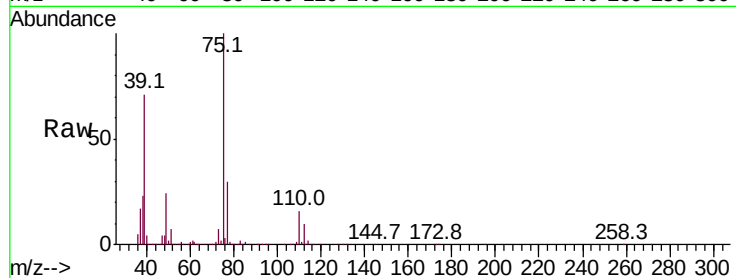
#45
t-1,3-Dichloropropene
Concen: 12.530 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 75 Resp: 1168038
Ion Ratio Lower Upper
75 100
77 30.2 26.0 39.0

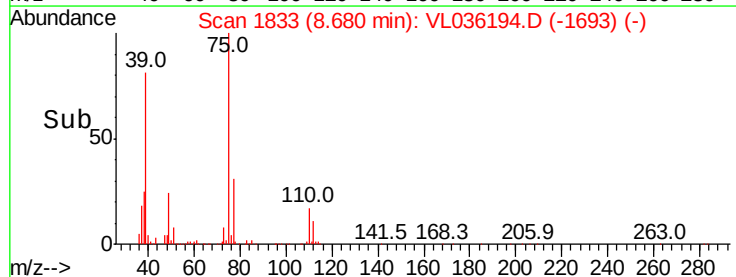
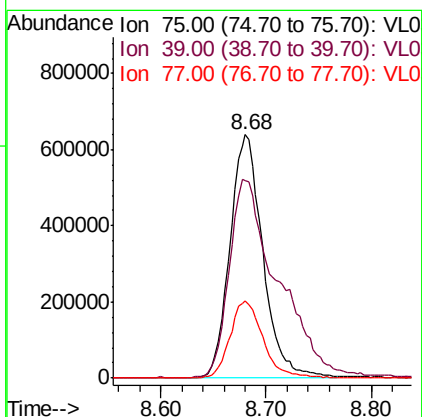
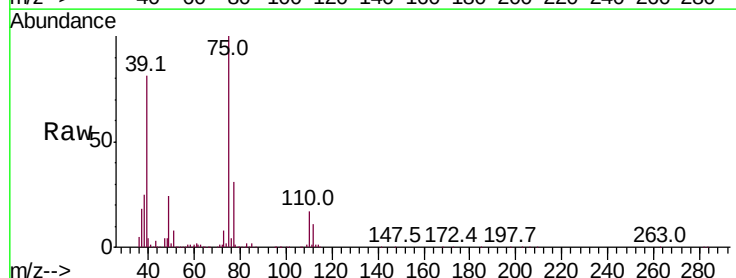
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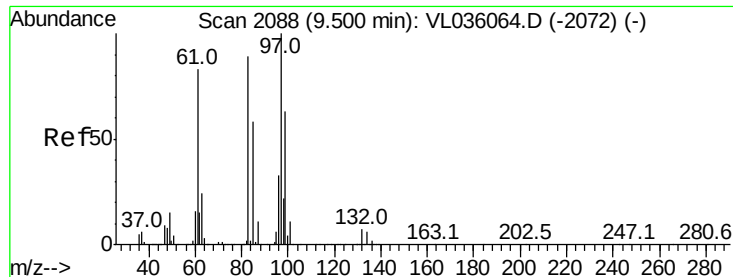
MMDadoda
12/26/2020 1:36:05 PM



#46
cis-1,3-Dichloropropene
Concen: 11.846 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 75 Resp: 1384044
Ion Ratio Lower Upper
75 100
39 81.1 61.6 92.4
77 31.5 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 11.073 ppbv

RT: 9.45 min Scan# 2073

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

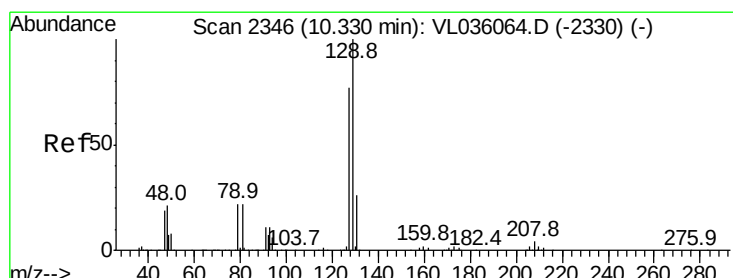
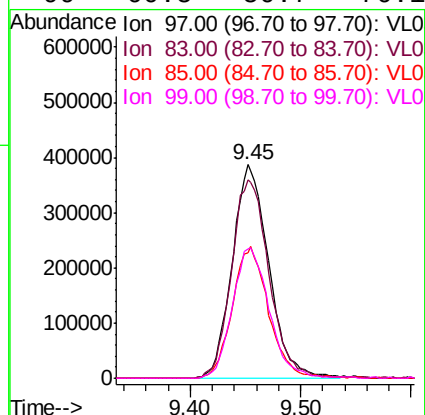
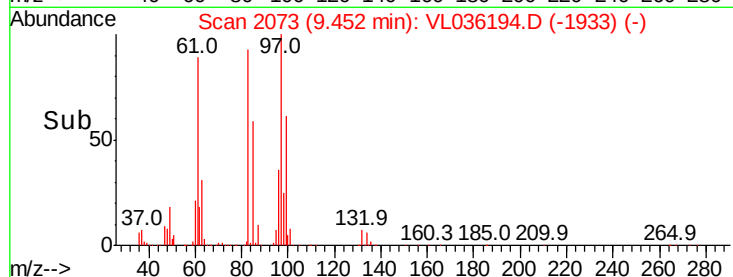
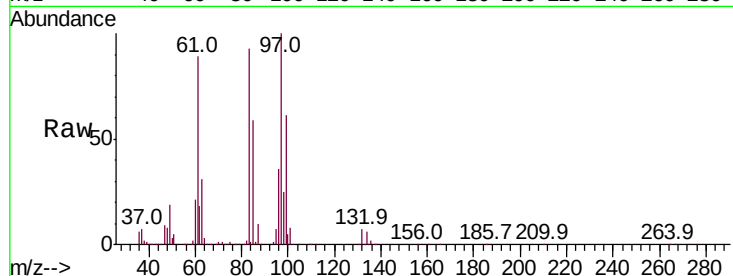
ClientSampleId :

VL1223ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.8	71.4	107.2	
85	58.8	46.6	70.0	
99	60.5	50.7	76.1	

Manual Integrations
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#48

Dibromochloromethane

Concen: 11.661 ppbv

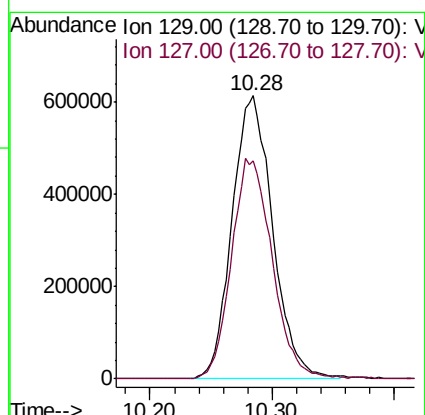
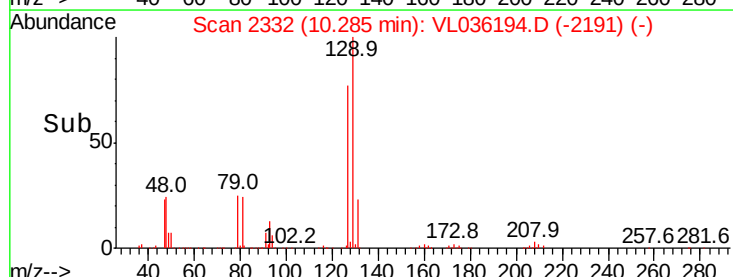
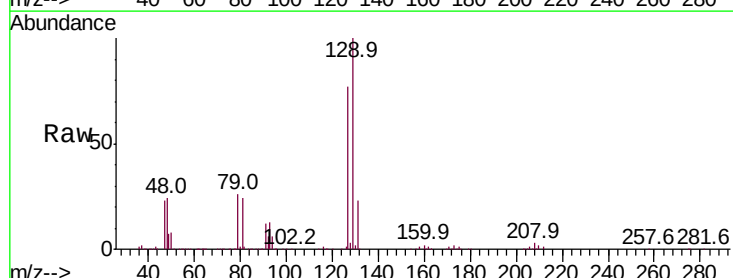
RT: 10.28 min Scan# 2332

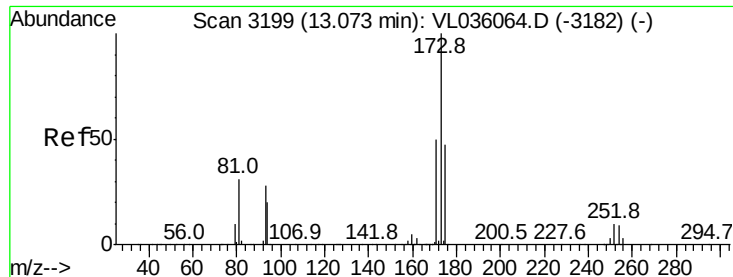
Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.0	117.0	





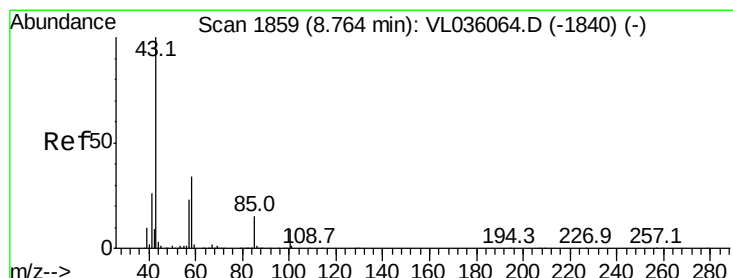
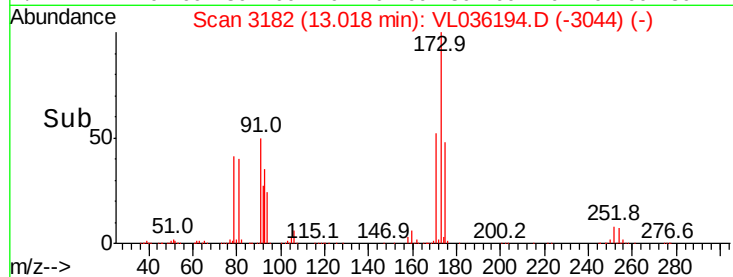
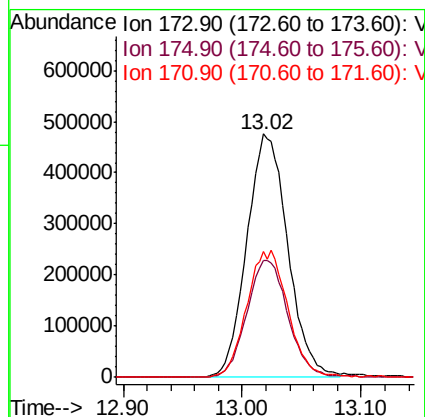
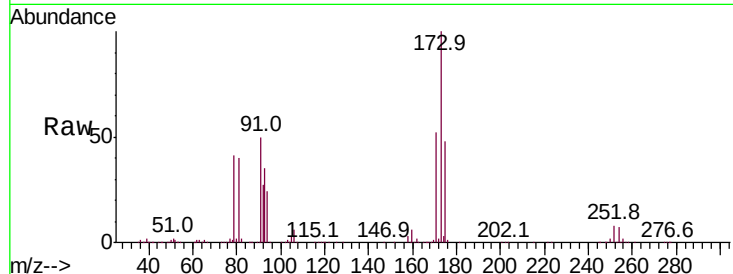
#49
Bromoform
Concen: 11.877 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion:173 Resp: 1134401
Ion Ratio Lower Upper
173 100
175 48.4 39.8 59.6
171 52.6 42.5 63.7

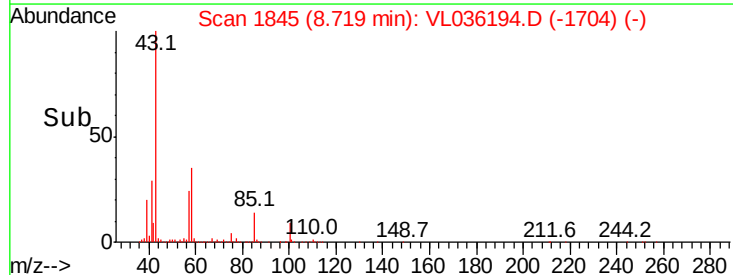
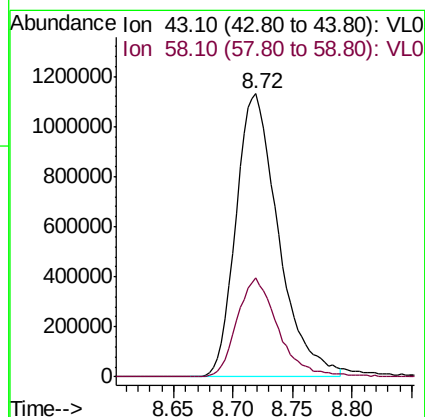
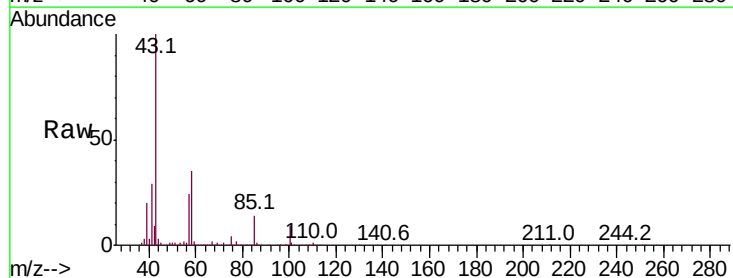
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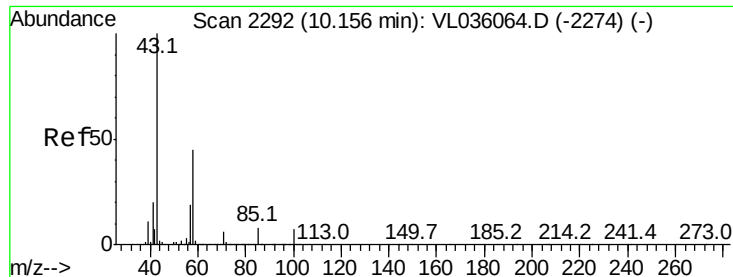
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#50
4-Methyl-2-Pentanone
Concen: 11.338 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 43 Resp: 2799072
Ion Ratio Lower Upper
43 100
58 34.3 27.4 41.2





#51

2-Hexanone

Concen: 12.111 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 43 Resp: 2337123

Ion Ratio Lower Upper

43 100

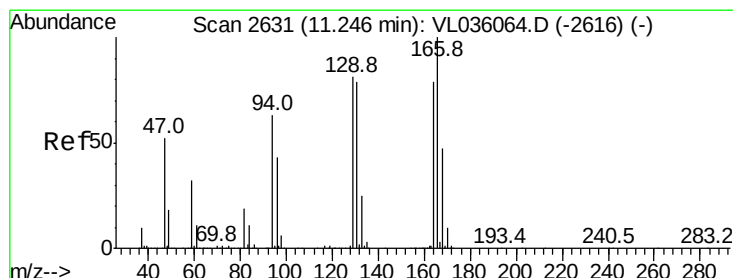
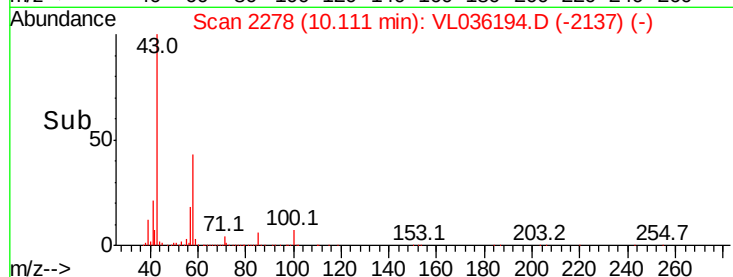
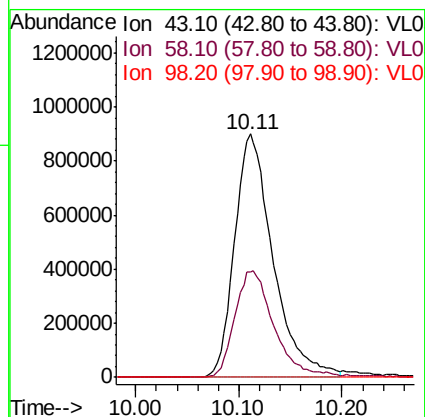
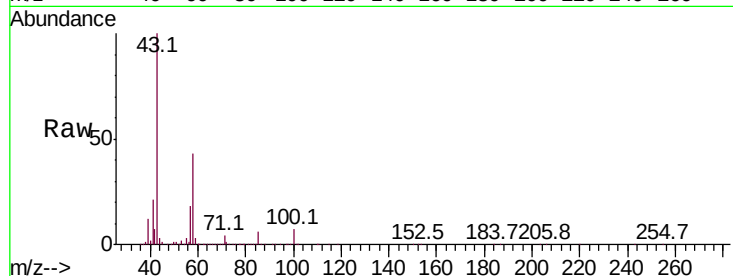
58 45.7 38.7 58.1

98 0.1 0.1 0.1

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#52

Tetrachloroethene

Concen: 8.796 ppbv

RT: 11.20 min Scan# 2616

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion: 164 Resp: 673490

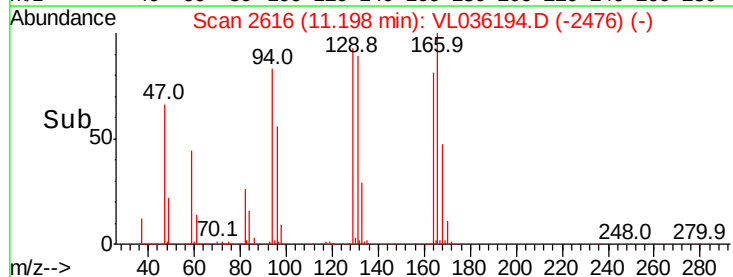
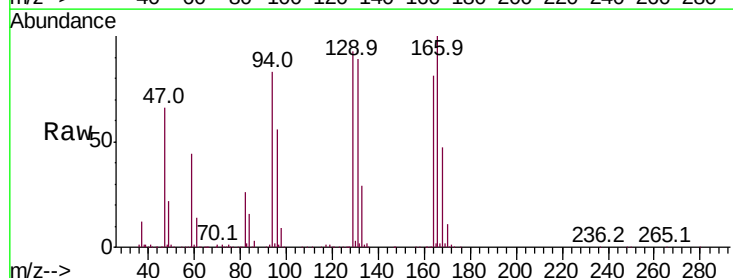
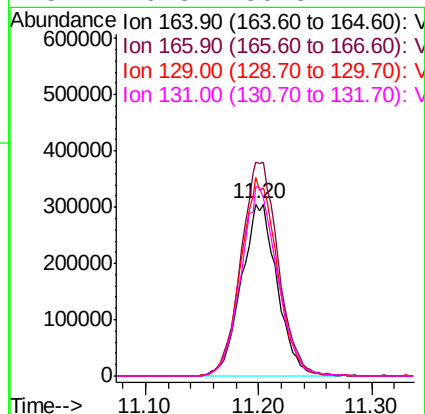
Ion Ratio Lower Upper

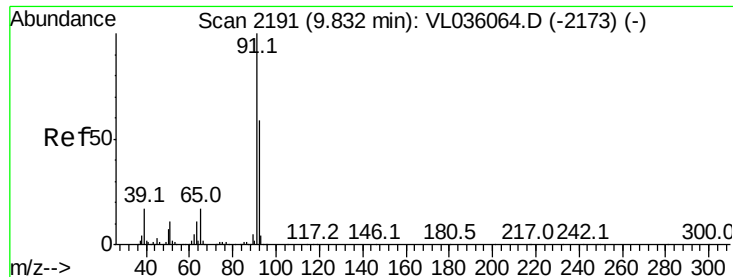
164 100

166 124.1 101.9 152.9

129 115.0 82.1 123.1

131 110.3 80.8 121.2





#53

Toluene

Concen: 10.690 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 91 Resp: 2538907

Ion Ratio Lower Upper

91 100

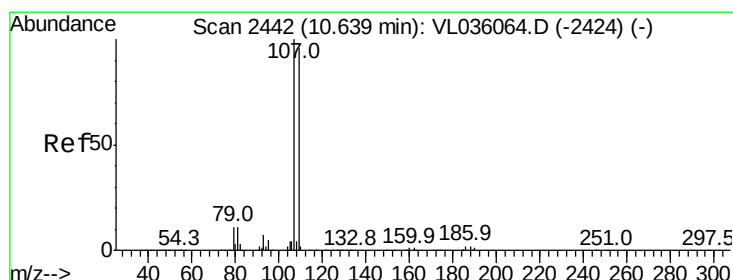
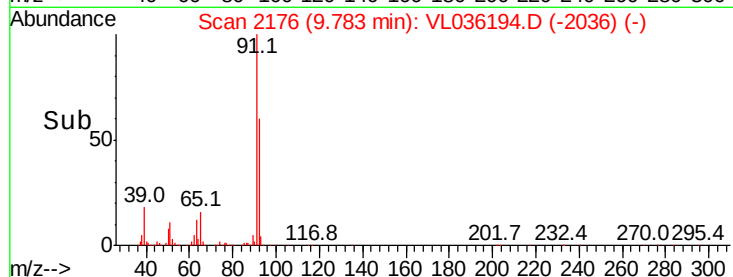
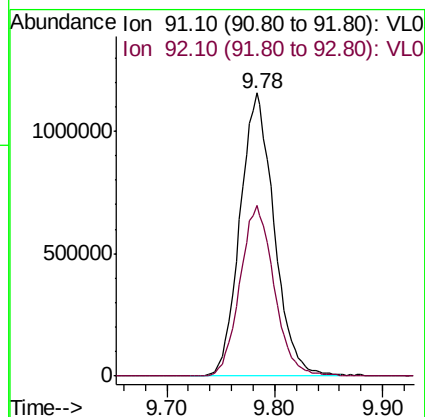
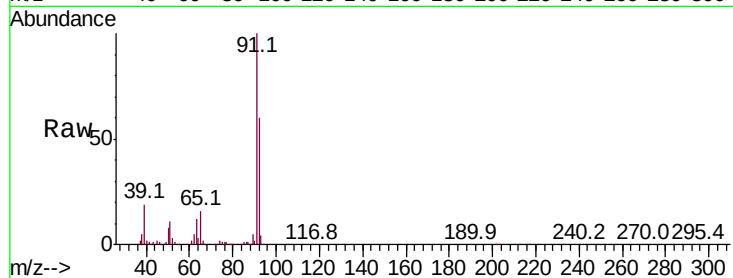
92 60.5 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 11.118 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.05 min

Lab File: VL036194.D

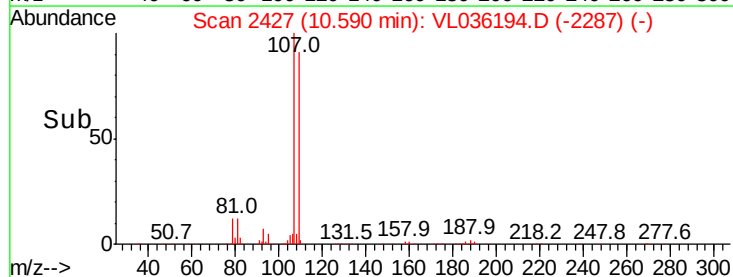
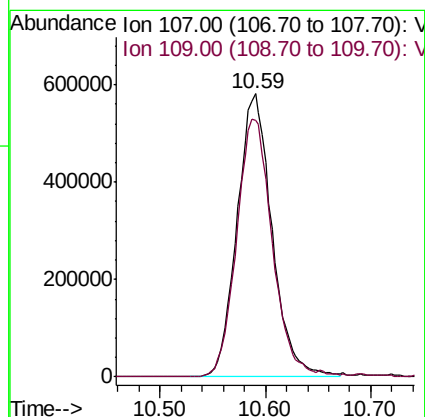
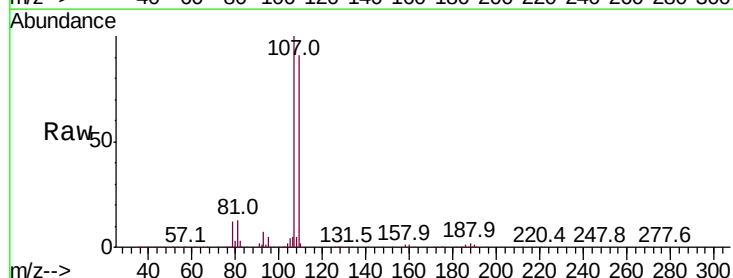
Acq: 23 Dec 2020 15:10

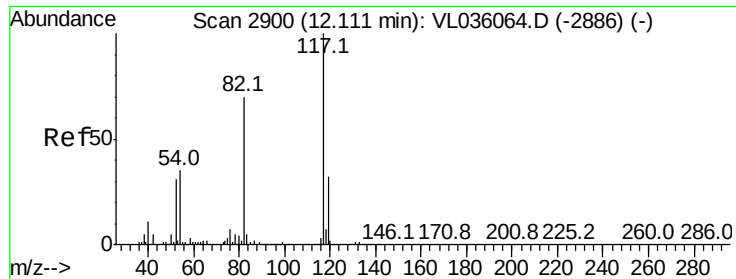
Tgt Ion: 107 Resp: 1339261

Ion Ratio Lower Upper

107 100

109 90.5 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2885

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion:117 Resp: 2438671

Ion Ratio Lower Upper

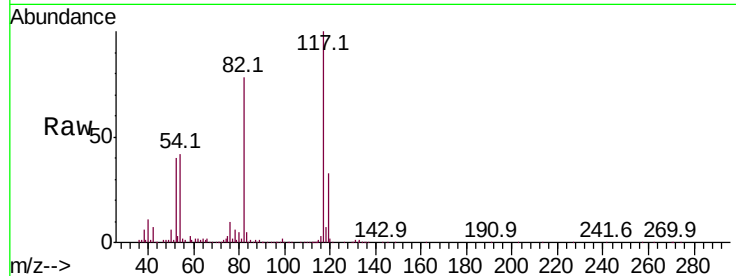
117 100

82 77.2 0.0 0.0#

119 32.5 0.0 0.0#

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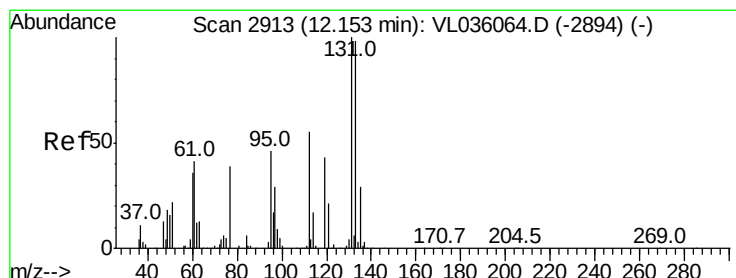
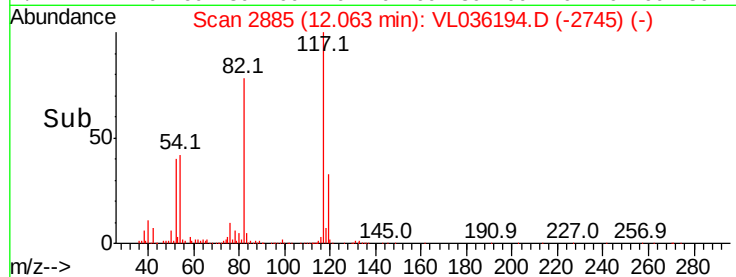
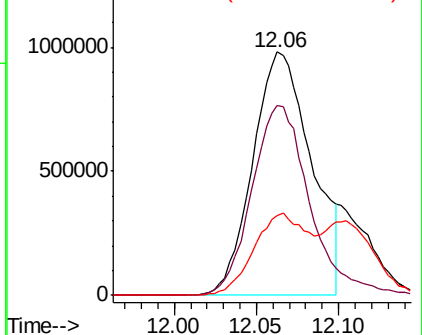
MMDadoda
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.462 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

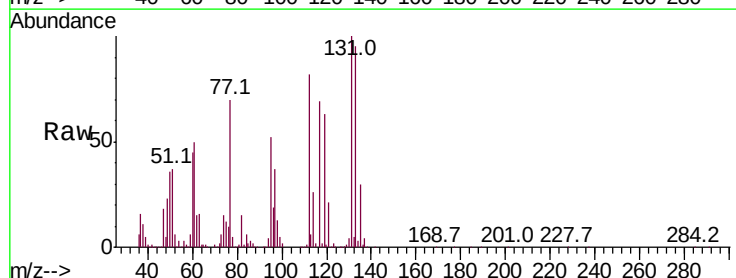
Tgt Ion:131 Resp: 1057933

Ion Ratio Lower Upper

131 100

133 95.2 77.7 116.5

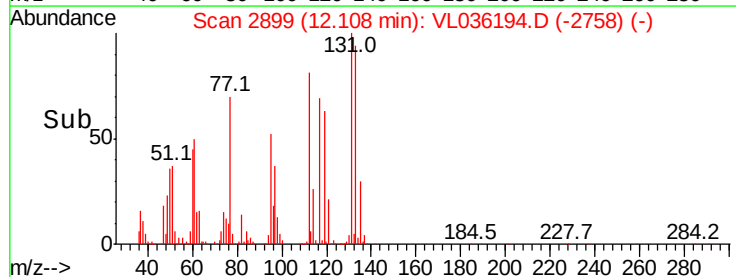
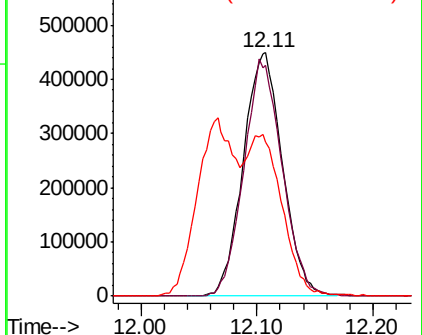
119 57.2 51.6 77.4

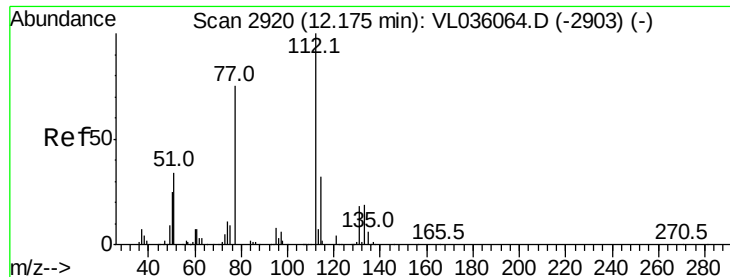


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





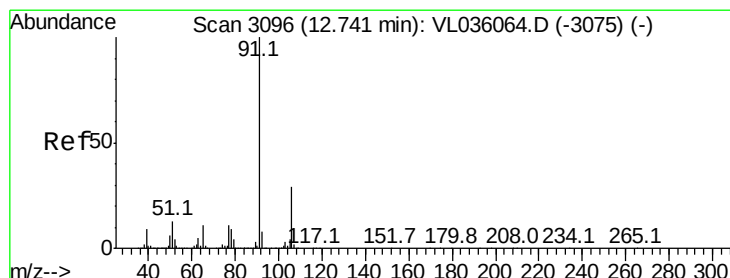
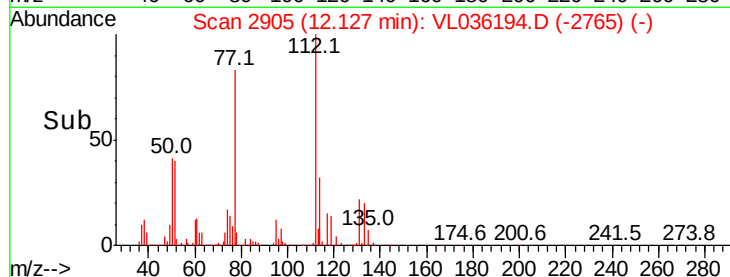
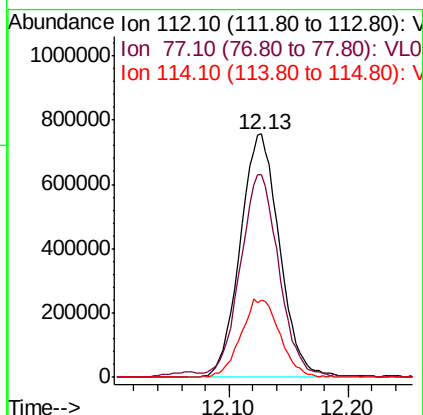
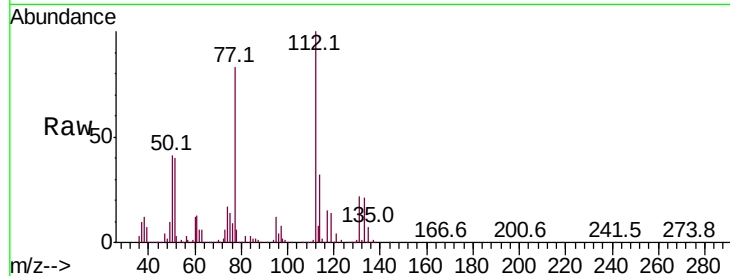
#57
Chlorobenzene
Concen: 10.109 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	82.6	60.5	90.7
114	31.8	29.2	35.6

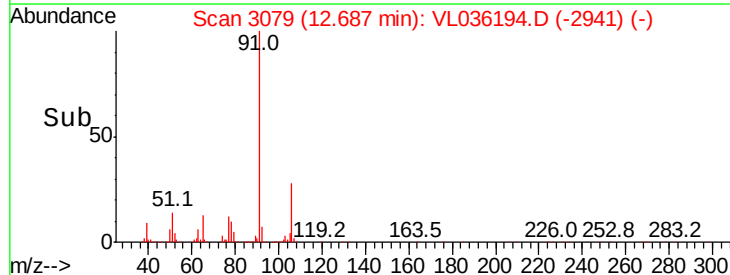
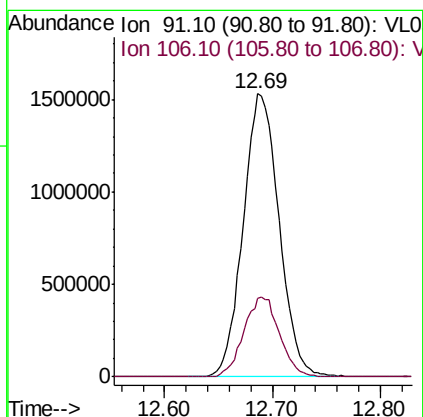
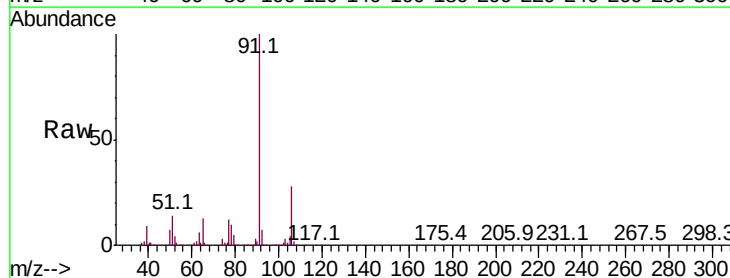
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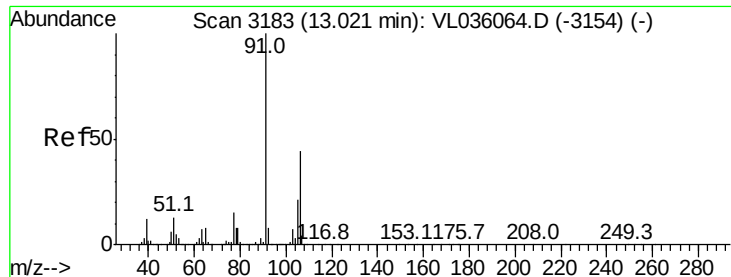
MMDadoda
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#58
Ethyl Benzene
Concen: 10.601 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.6	23.0	34.4





#59

m/p-Xylene

Concen: 21.505 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 91 Resp: 6053468

Ion Ratio Lower Upper

91 100

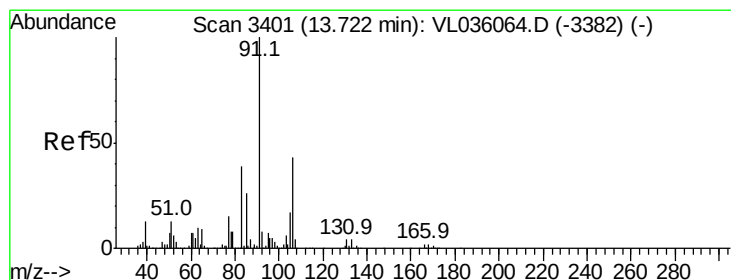
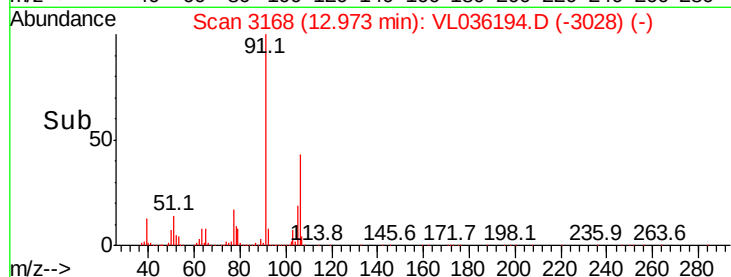
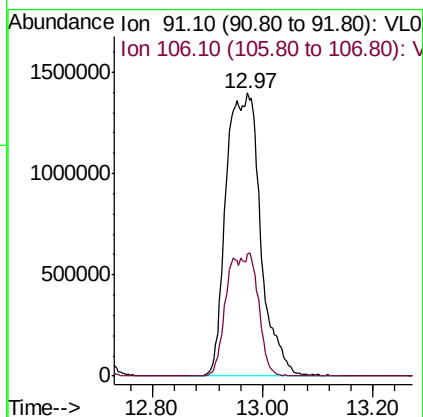
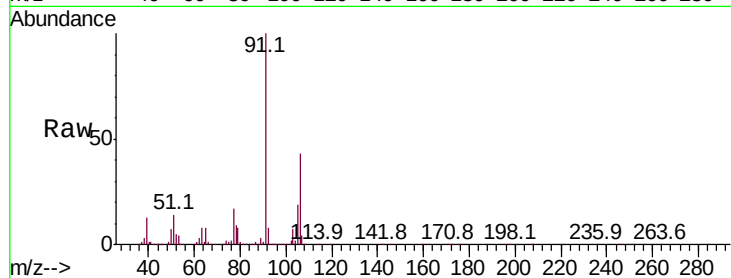
106 39.8 33.6 50.4

Manual Integrations

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#60

o-Xylene

Concen: 10.582 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.05 min

Lab File: VL036194.D

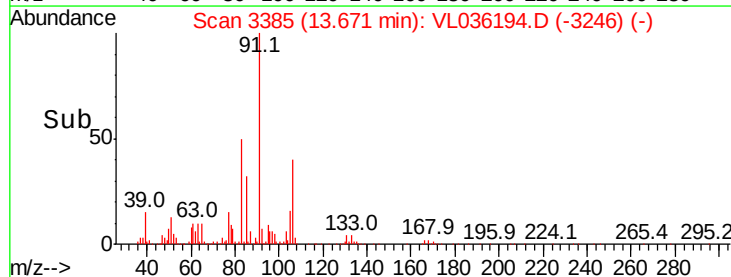
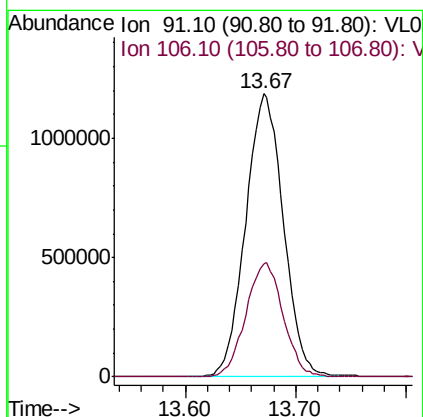
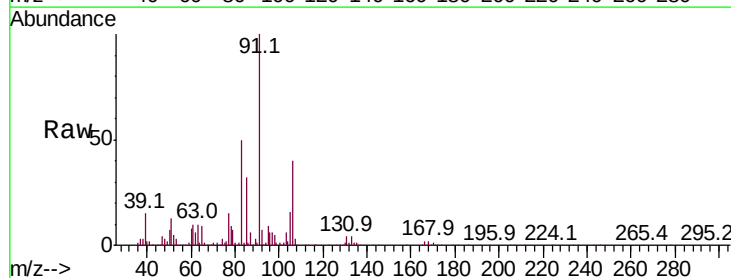
Acq: 23 Dec 2020 15:10

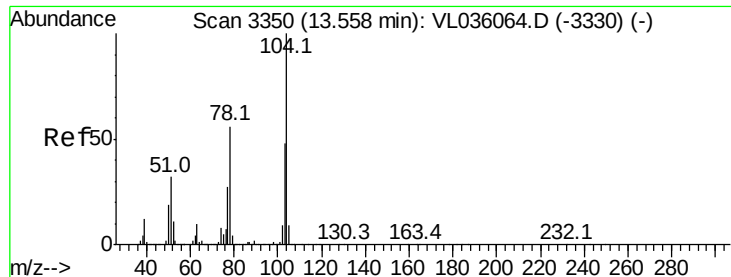
Tgt Ion: 91 Resp: 2806510

Ion Ratio Lower Upper

91 100

106 40.2 21.6 64.6





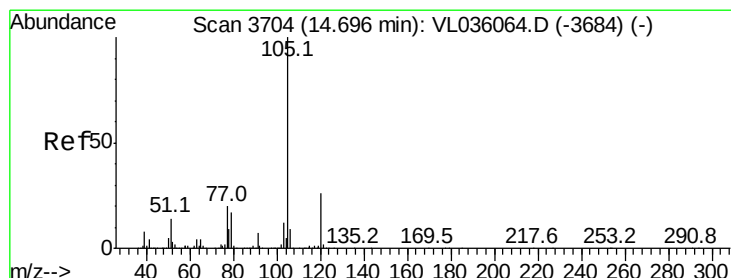
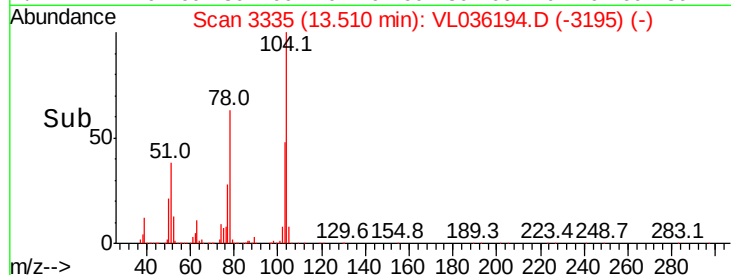
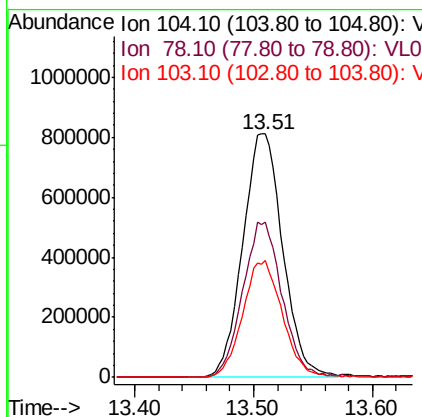
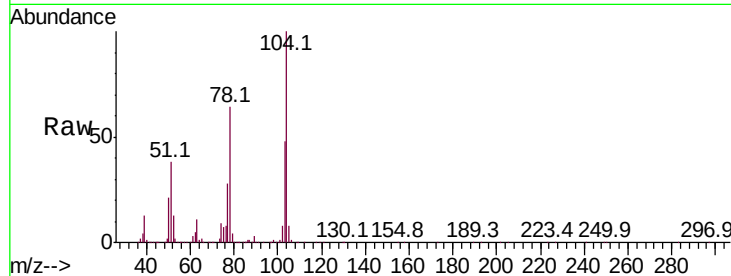
#61
Stvrene
Concen: 11.105 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	63.0	45.8	68.8
103	47.7	38.6	57.8

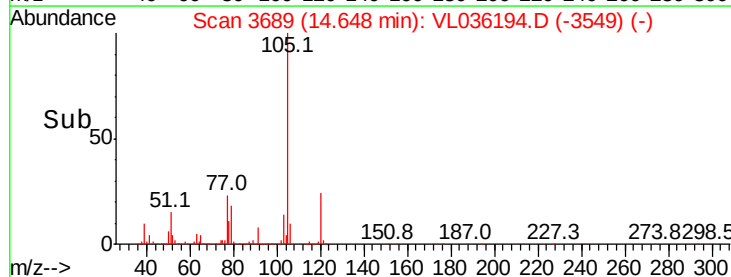
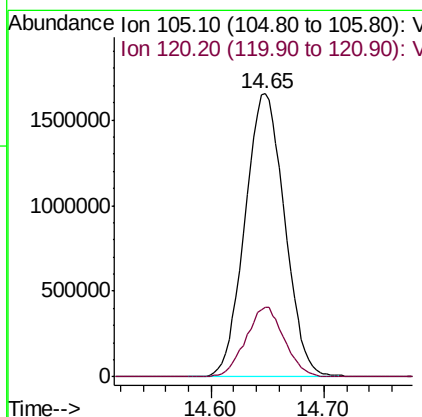
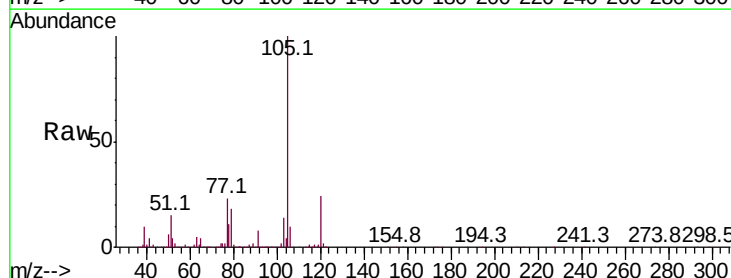
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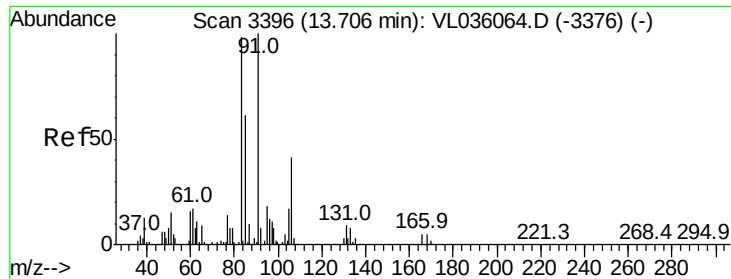
MMDadoda
12/26/2020 1:36:05 PM



#62
Isopropylbenzene
Concen: 10.256 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.1	30.1





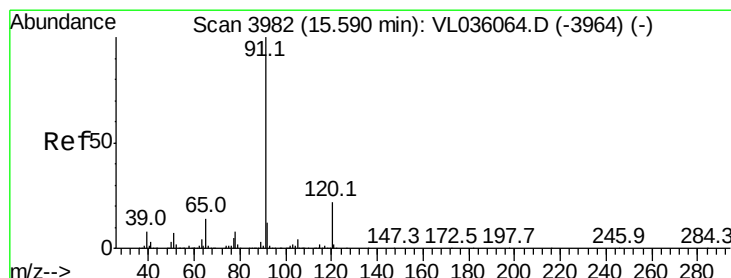
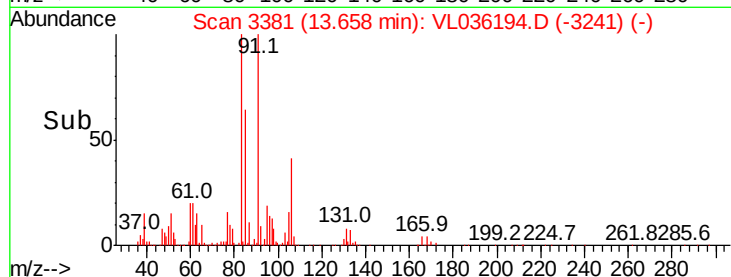
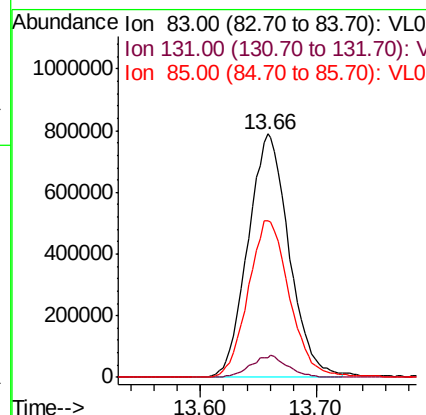
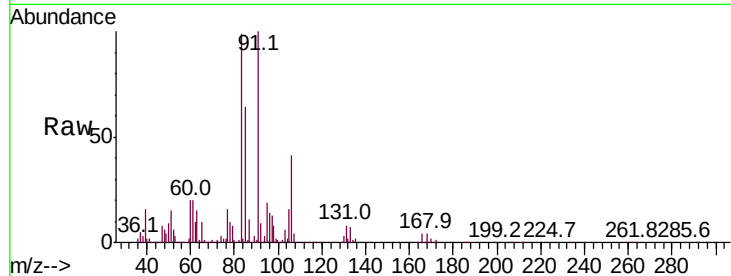
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.855 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion	83	Resp	1938775
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.6	13.8
85	65.2	32.5	97.5

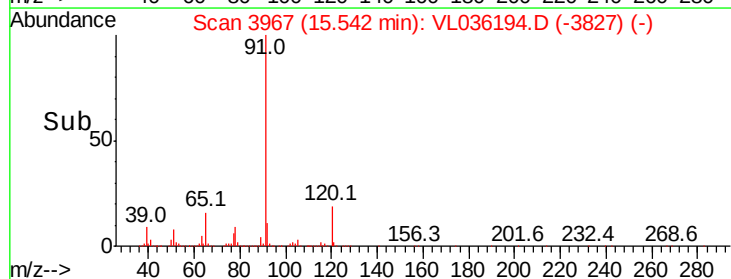
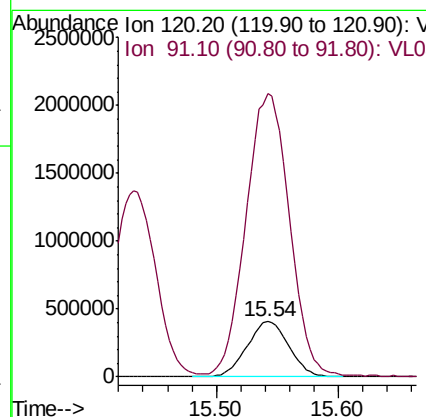
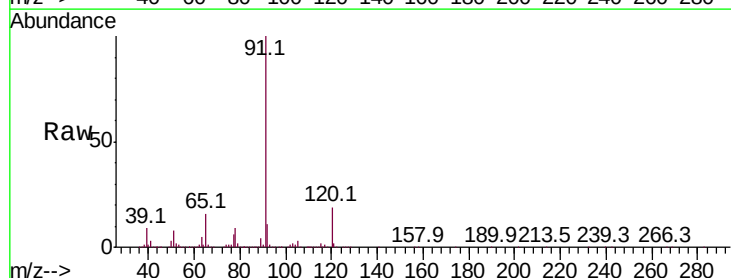
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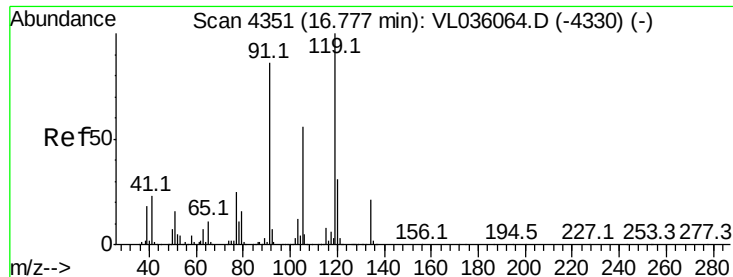
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.248 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	120	Resp	969268
Ion Ratio	Lower	Upper	
120	100		
91	533.7	388.9	583.3





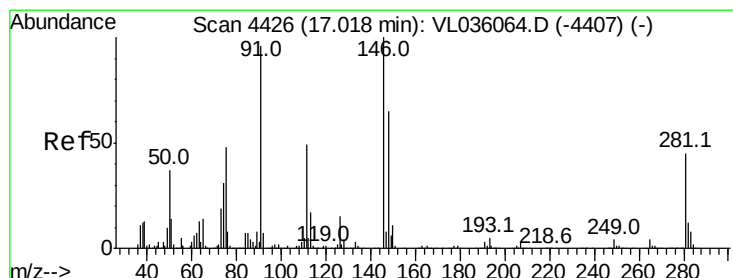
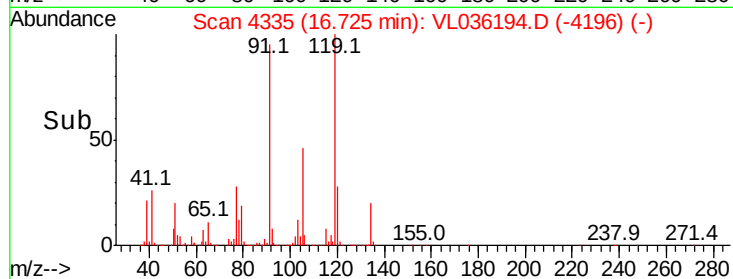
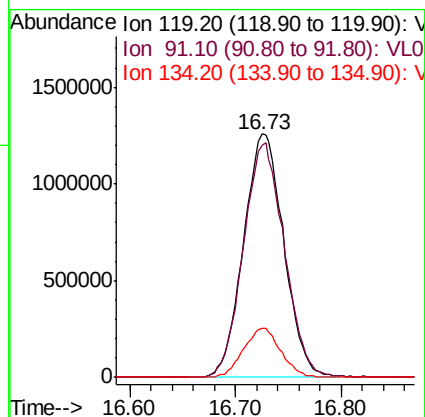
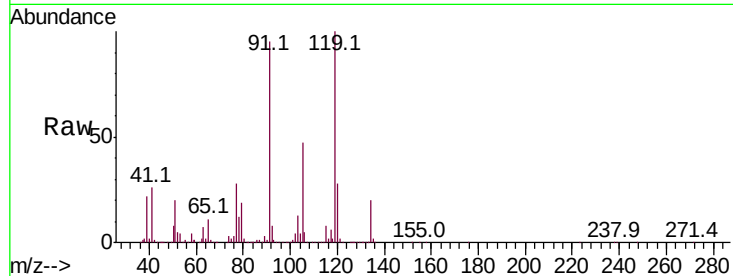
#65
 tert-Butylbenzene
 Concen: 10.402 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion:119 Resp: 3347078
 Ion Ratio Lower Upper
 119 100
 91 98.1 70.2 105.2
 134 18.7 15.8 23.6

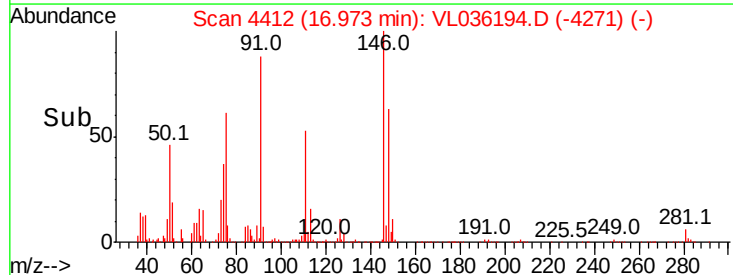
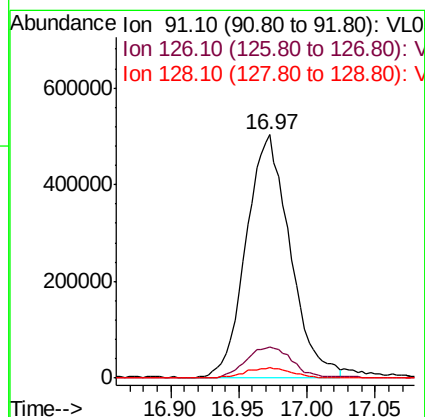
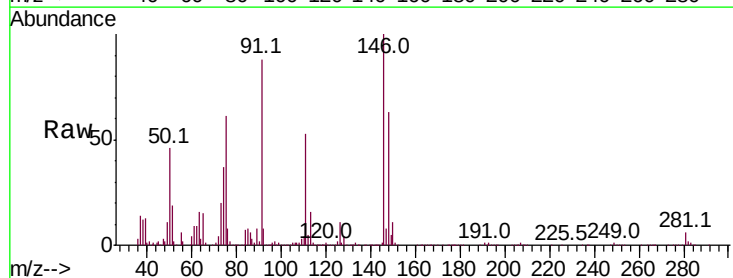
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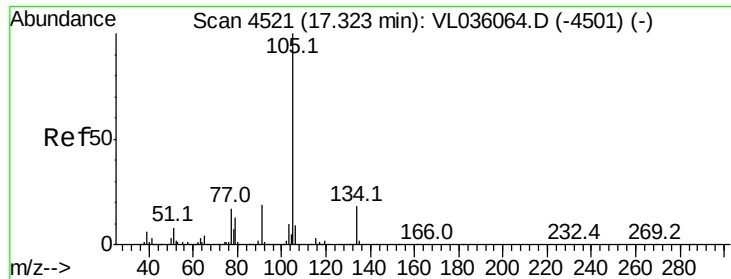
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#66
 Benzyl Chloride
 Concen: 14.000 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 91 Resp: 1121684
 Ion Ratio Lower Upper
 91 100
 126 14.1 13.5 20.3
 128 4.7 4.4 6.6





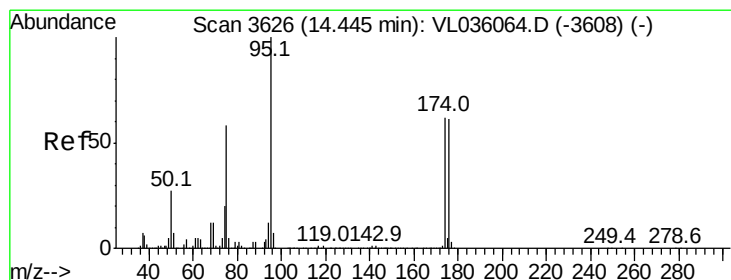
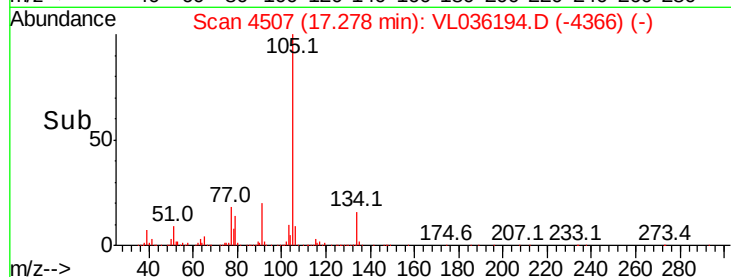
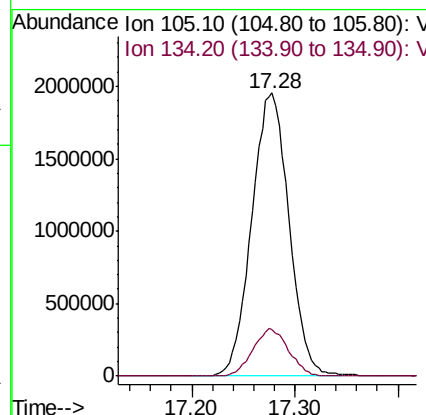
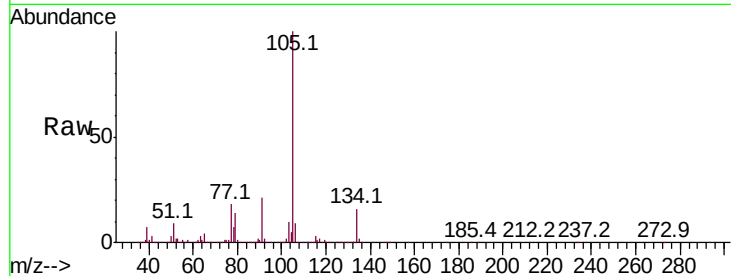
#67
 sec-Butylbenzene
 Concen: 10.852 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion:105 Resp: 4886834
 Ion Ratio Lower Upper
 105 100
 134 16.2 14.2 21.4

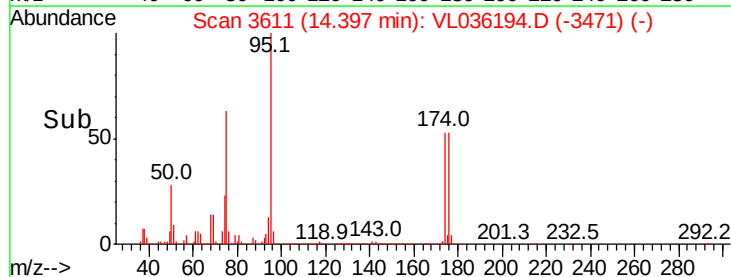
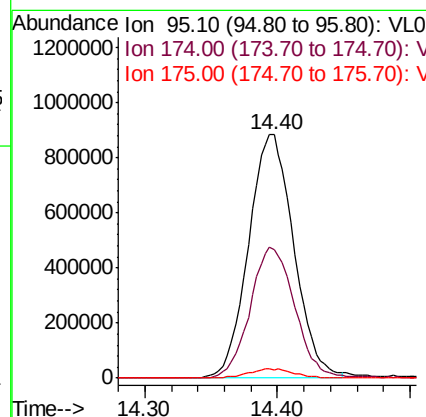
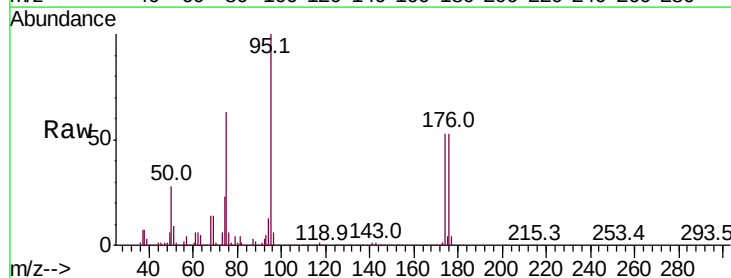
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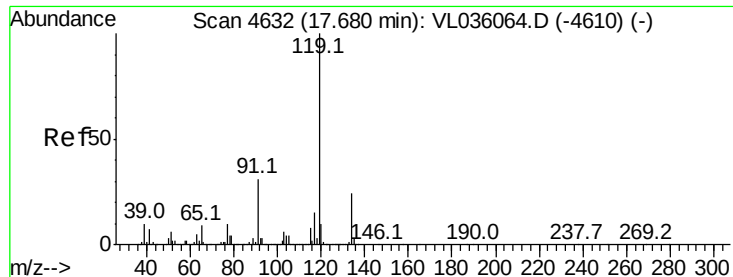
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.814 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 95 Resp: 2094078
 Ion Ratio Lower Upper
 95 100
 174 53.3 50.7 76.1
 175 4.0 4.0 6.0#





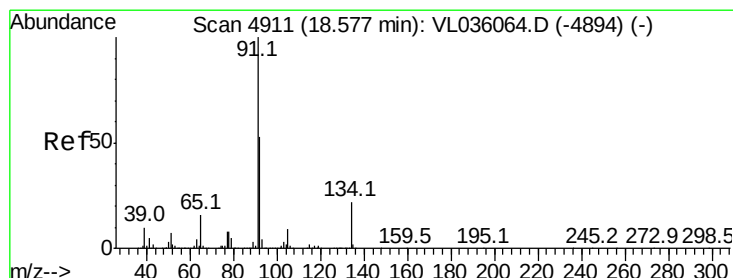
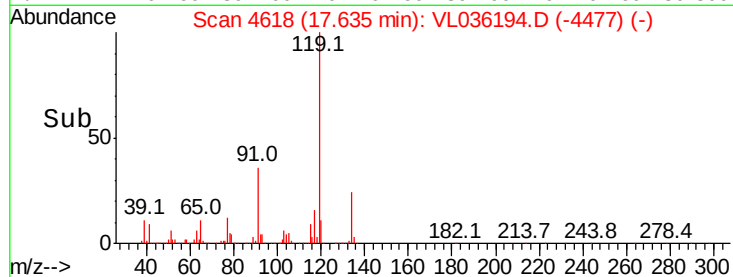
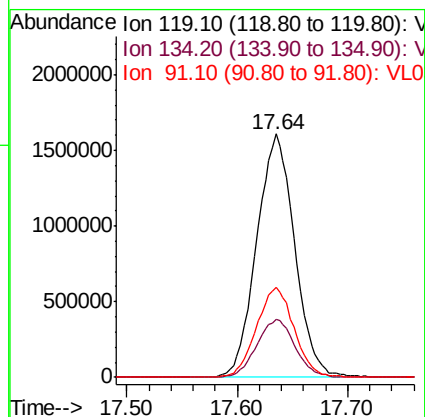
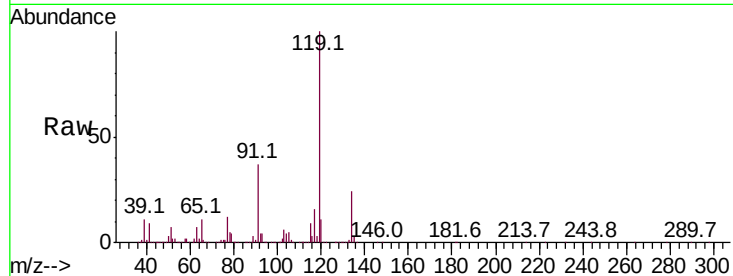
#69
 p-Isopropyltoluene
 Concen: 10.698 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.2	19.8	29.6
91	36.8	25.8	38.6

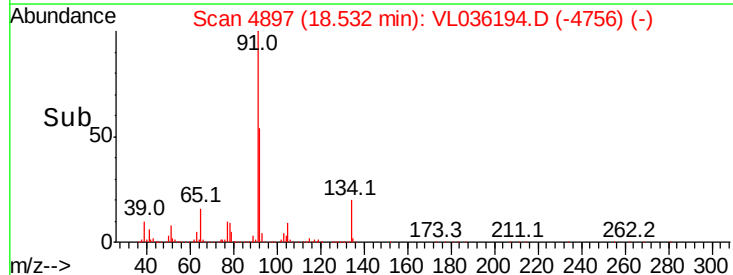
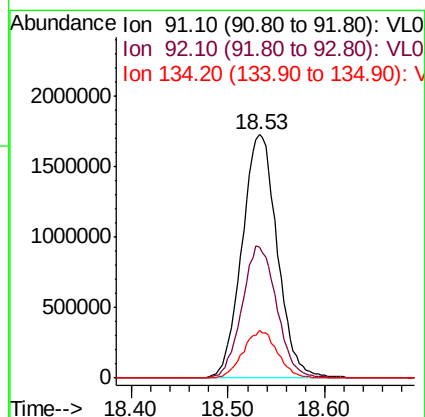
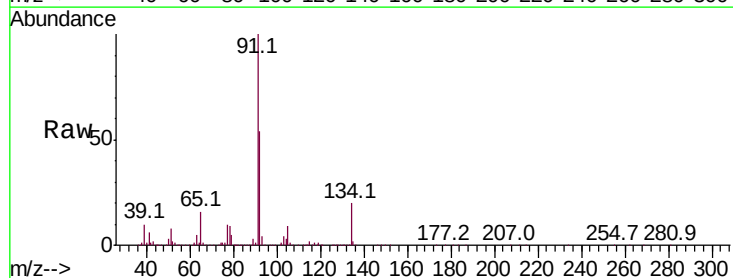
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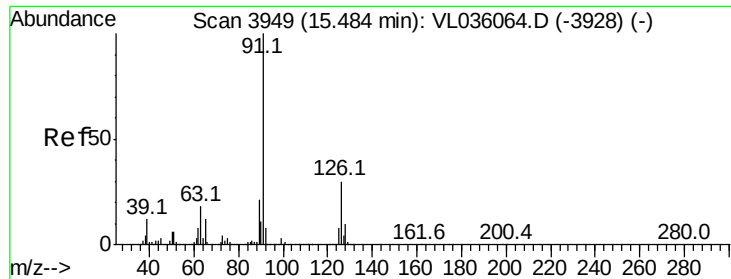
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#70
 n-Butylbenzene
 Concen: 12.337 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.3	64.9
134	19.1	17.1	25.7





#71

2-Chlorotoluene

Concen: 11.151 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 91 Resp: 3313636

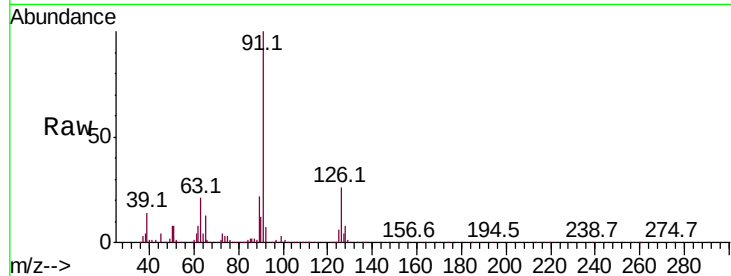
Ion Ratio Lower Upper

91 100

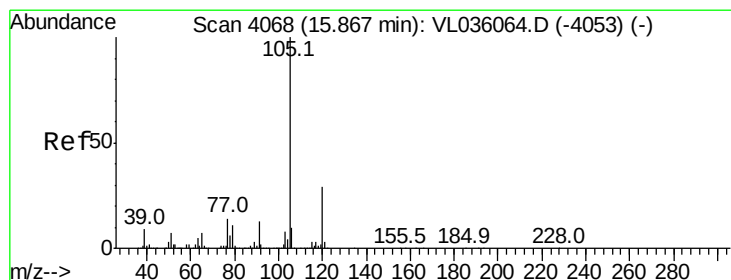
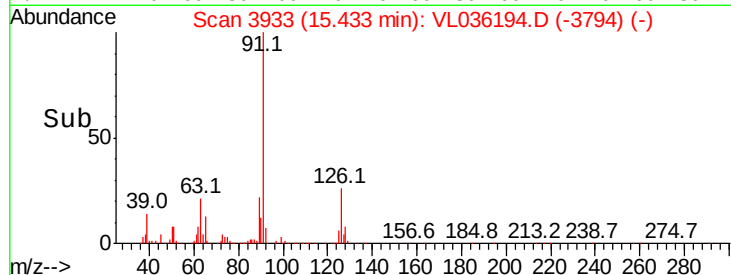
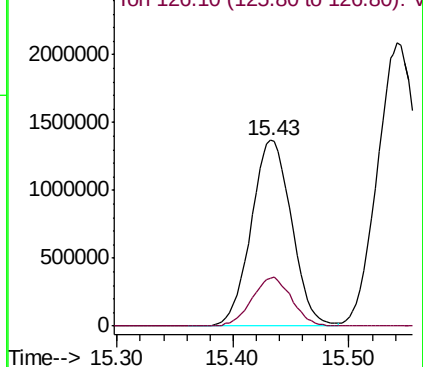
126 26.0 11.6 46.4

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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: 10.627 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:105 Resp: 3052854

Ion Ratio Lower Upper

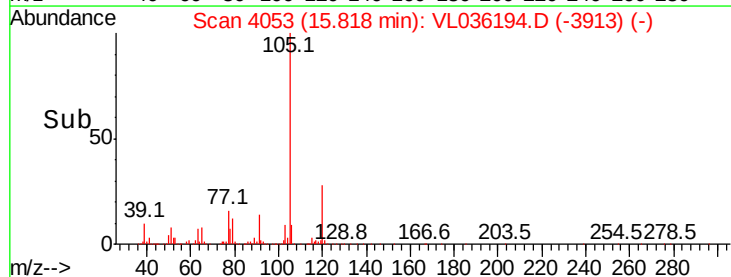
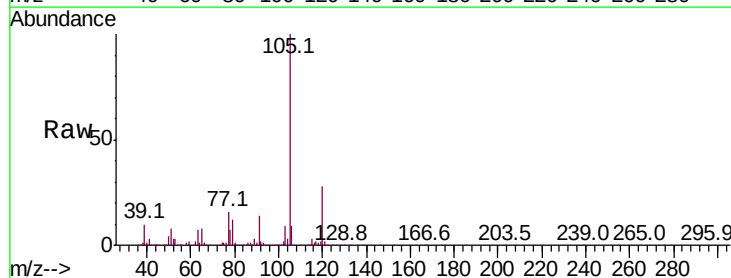
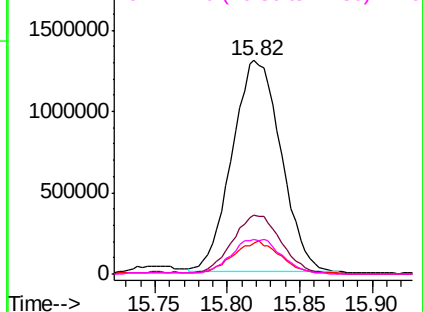
105 100

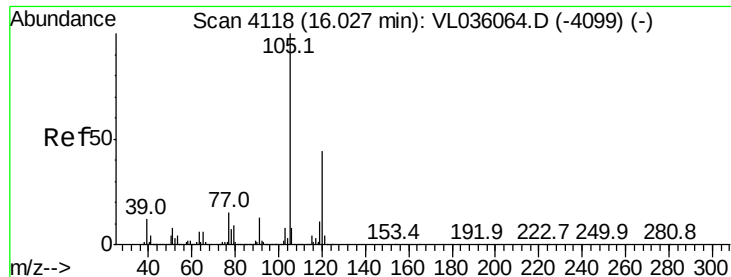
120 27.6 23.6 35.4

91 15.0 11.4 17.0

77 17.0 12.1 18.1

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





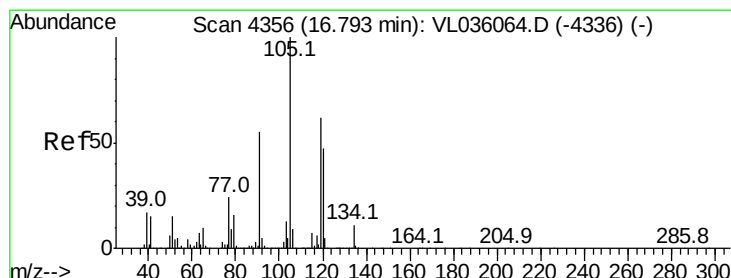
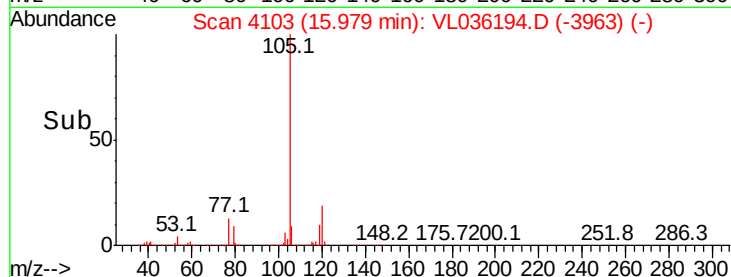
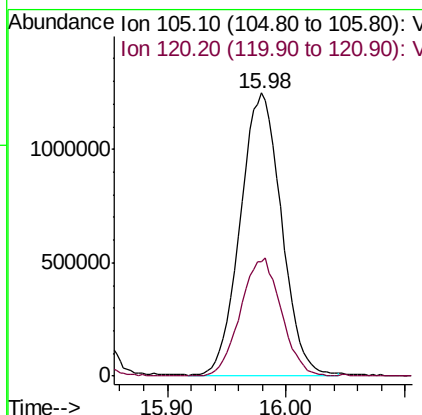
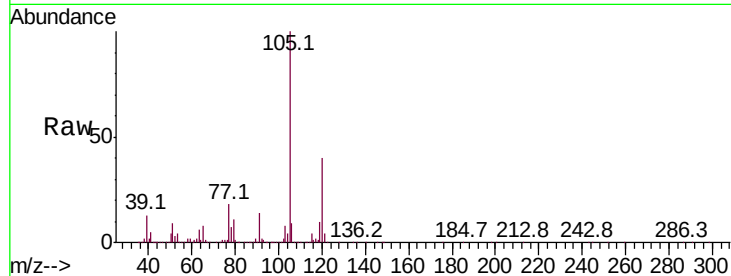
#73
 1,3,5-Trimethylbenzene
 Concen: 10.842 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion:105 Resp: 2974712
 Ion Ratio Lower Upper
 105 100
 120 40.3 35.4 53.2

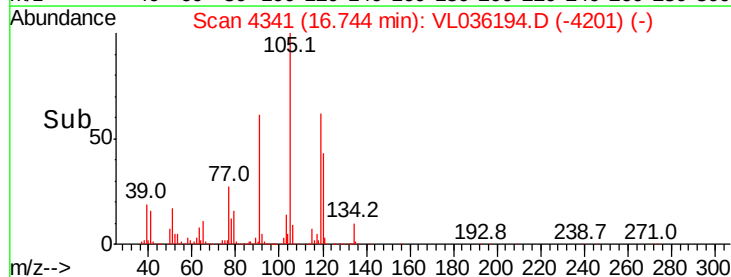
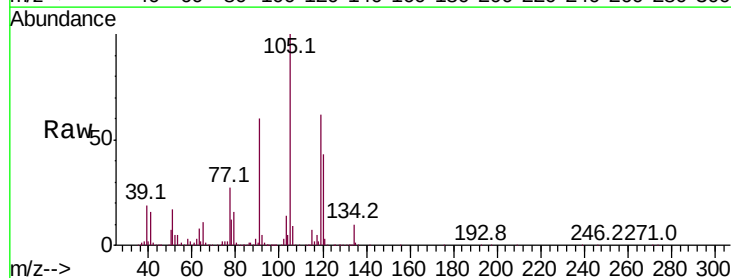
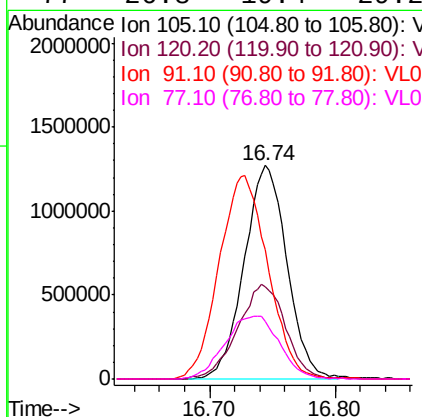
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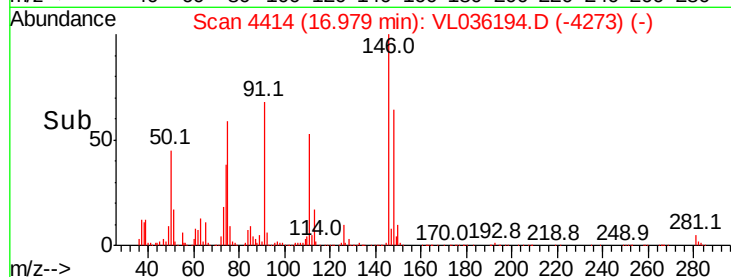
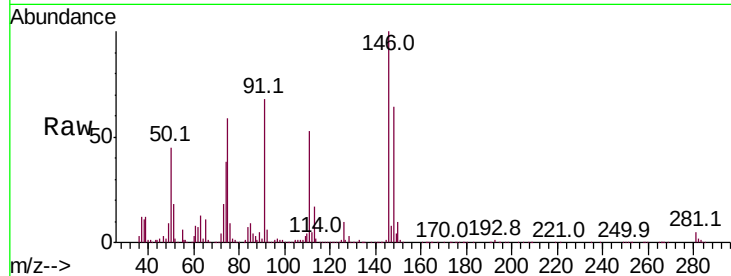
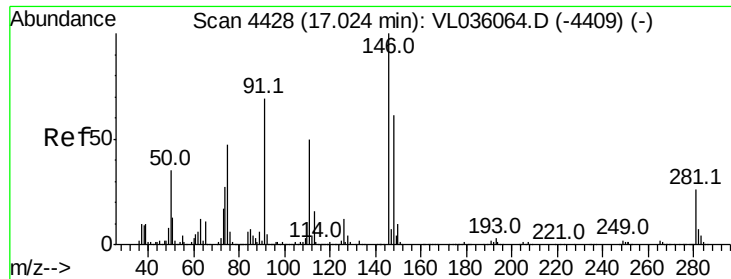
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 12/26/2020 1:36:05 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.911 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion:105 Resp: 3005097
 Ion Ratio Lower Upper
 105 100
 120 42.8 37.4 56.0
 91 59.9 45.6 68.4
 77 26.8 19.4 29.2





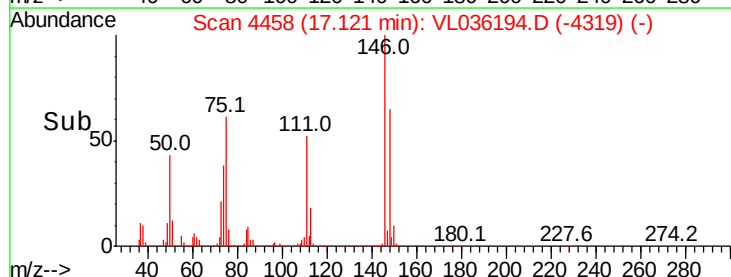
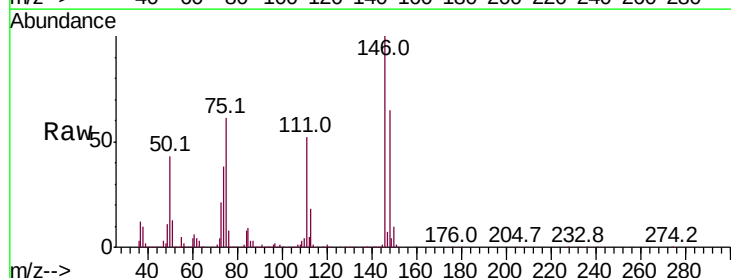
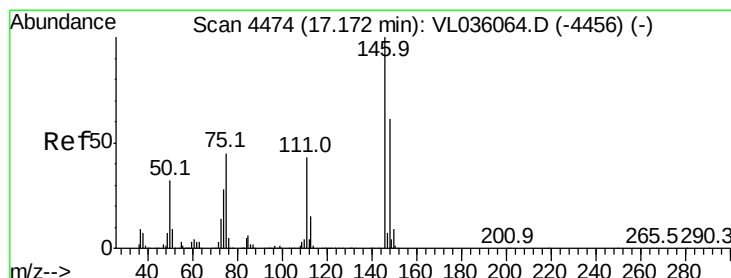
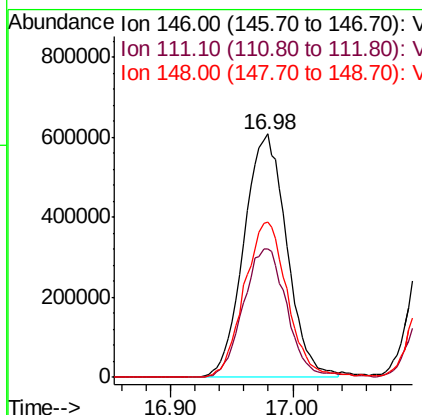
#75
1,3-Dichlorobenzene
Concen: 10.702 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion:146 Resp: 1475457
Ion Ratio Lower Upper
146 100
111 53.9 25.1 75.3
148 64.4 32.9 98.6

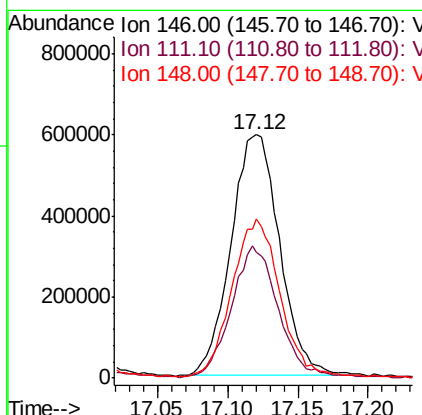
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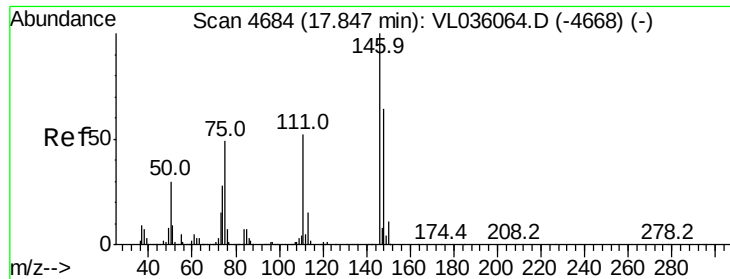
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#76
1,4-Dichlorobenzene
Concen: 10.141 ppbv
RT: 17.12 min Scan# 4458
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion:146 Resp: 1423457
Ion Ratio Lower Upper
146 100
111 53.8 24.3 72.8
148 66.8 32.8 98.3





#77

1,2-Dichlorobenzene

Concen: 10.805 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

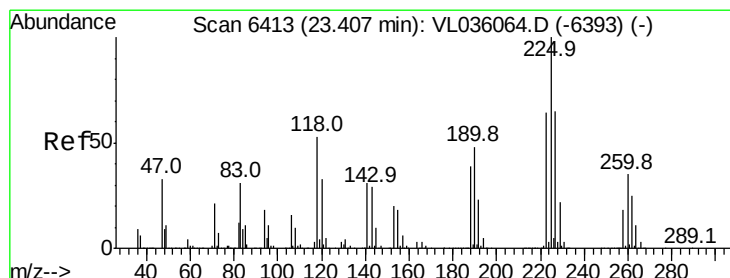
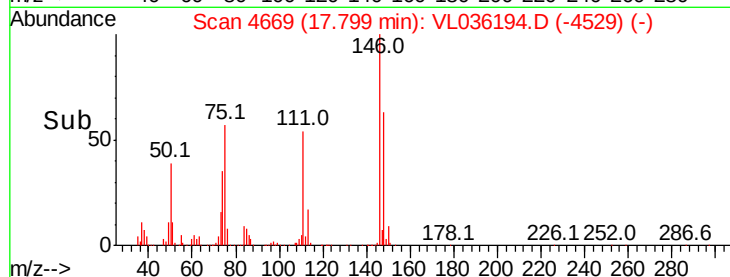
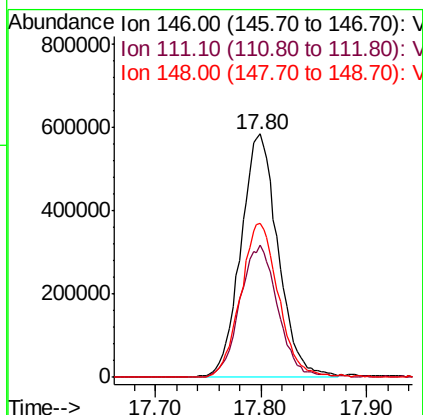
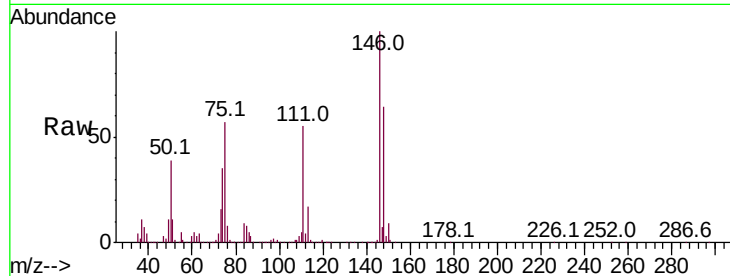
ClientSampleId :

VL1223ABS01

Tot Ion:	146	Resp:	1422383
Ion	Ratio	Lower	Upper
146	100		
111	55.7	26.1	78.2
148	65.3	33.1	99.5

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 8.752 ppbv

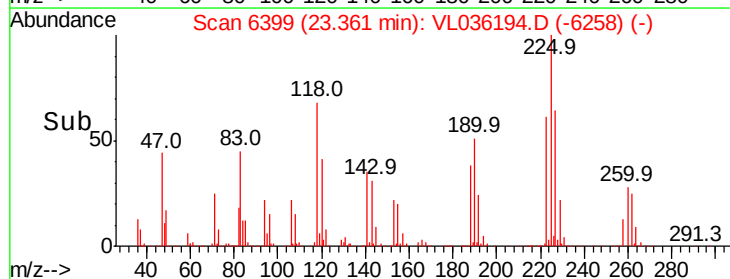
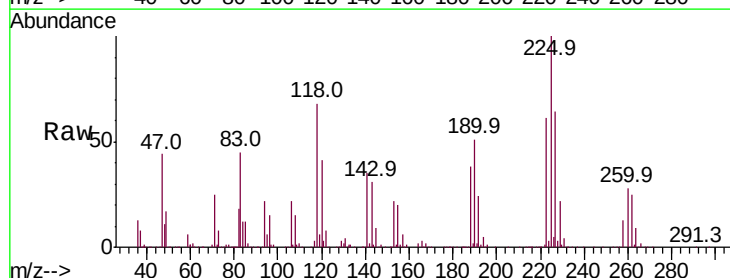
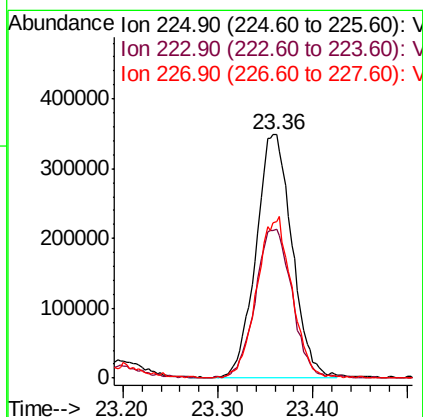
RT: 23.36 min Scan# 6399

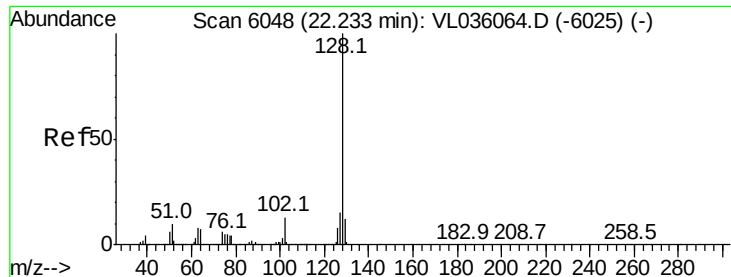
Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:	225	Resp:	923336
Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.1	76.7
227	64.3	51.7	77.5





#79

Naphthalene

Concen: 12.575 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion:128 Resp: 1760546

Ion Ratio Lower Upper

128 100

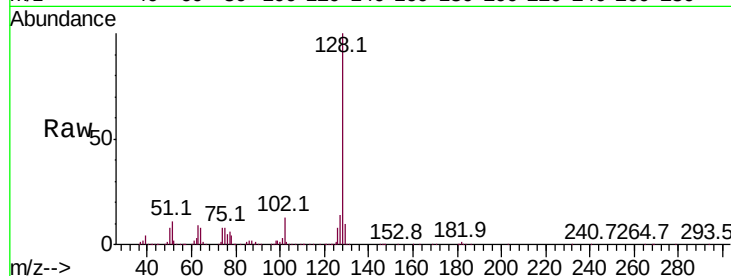
127 14.4 11.7 17.5

129 10.4 9.3 13.9

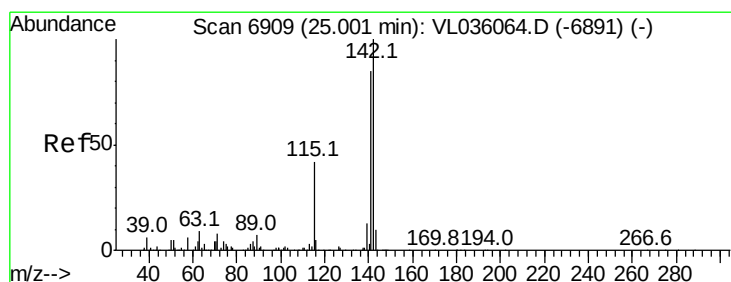
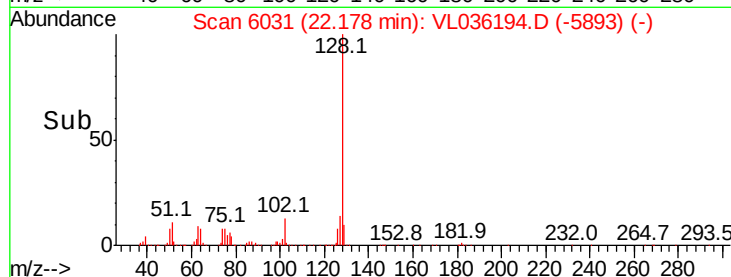
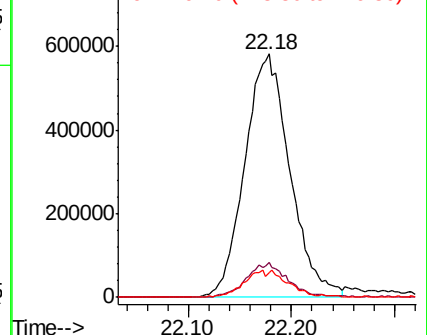
Manual Integrations
APPROVED

MMDadoda

12/26/2020 1:36:05 PM



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.839 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

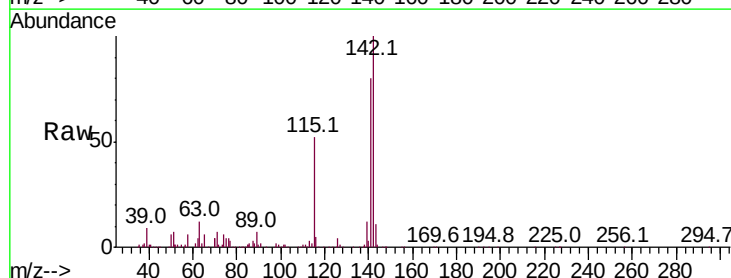
Tgt Ion:142 Resp: 558452

Ion Ratio Lower Upper

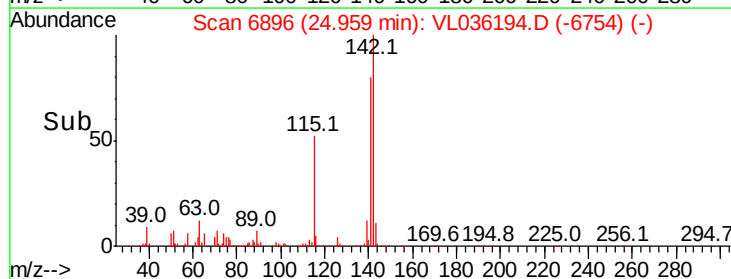
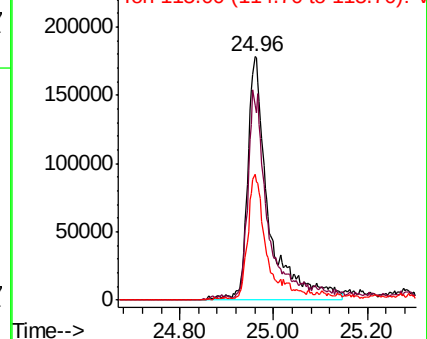
142 100

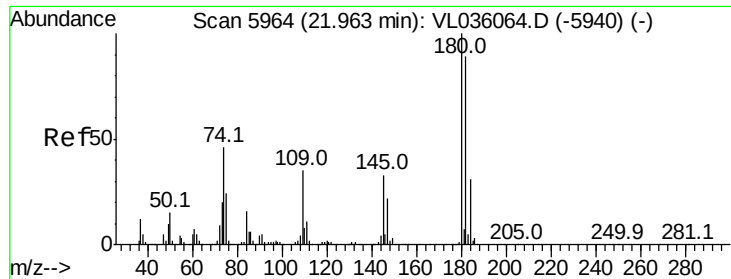
141 78.7 64.3 96.5

115 49.0 33.9 50.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.474 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion:	180	Resp:	886117
Ion Ratio	Lower	Upper	
180	100		
182	103.4	0.0	0.0#
184	31.3	0.0	0.0#

Manual Integrations
 APPROVED

MMDadoda
 12/26/2020 1:36:05 PM

