

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012720\
 Data File : VL034557.D
 Acq On : 27 Jan 2020 10:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 1/29/2020 10:26:31 AM

Quant Time: Jan 28 12:47:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1052232	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2175109	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2224056	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1865256	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1471083	8.865	ppbv	98
3) Chlorodifluoromethane	2.95	51	1179716	9.410	ppbv	98
4) Chloromethane	3.11	50	720045	9.669	ppbv	97
5) Vinyl Chloride	3.23	62	682135	9.354	ppbv	99
6) Bromomethane	3.45	94	380721	10.488	ppbv	97
7) Chloroethane	3.53	64	259201	10.200	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1645306	9.886	ppbv	99
9) Propene	2.98	41	473034	9.787	ppbv	100
10) Heptane	8.15	43	1280914	10.262	ppbv	99
11) Trichlorofluoromethane	3.93	101	1943395	10.120	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1290378	10.565	ppbv	99
13) Ethanol	3.58	45	101340m	7.556	ppbv	
14) Bromoethene	3.72	108	536316	10.857	ppbv	98
15) Acetone	3.83	43	1383216	9.007	ppbv	99
16) 1,3-Butadiene	3.30	39	610922	10.344	ppbv	98
17) tert-Butyl alcohol	4.28	59	1095470	8.909	ppbv	100
18) 1,1-Dichloroethene	4.28	96	562802	10.578	ppbv	99
19) Isopropyl Alcohol	3.95	45	794476	7.992	ppbv #	98
20) Methylene Chloride	4.33	84	503643	8.335	ppbv	98
21) Allyl Chloride	4.40	41	942787	10.682	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	595941	11.012	ppbv	96
23) Vinyl Acetate	5.07	43	1790492	10.099	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	1401559	9.840	ppbv	99
25) Ethyl Acetate	5.68	43	2346136	9.783	ppbv	100
26) Hexane	5.69	57	1019995	10.094	ppbv	98
27) Carbon Disulfide	4.54	76	1507555	11.803	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1832868	10.860	ppbv	100
29) Chloroform	5.76	83	1730359	9.896	ppbv	98
30) Cyclohexane	7.15	84	803291	10.695	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1087976	10.565	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	1816935	10.011	ppbv	99
34) 2-Butanone	5.24	43	1506081	9.689	ppbv	99
35) Carbon Tetrachloride	7.04	117	1982772	10.052	ppbv	94
36) Benzene	6.91	78	1906289	10.054	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1528734	9.929	ppbv	100
38) Trichloroethene	7.86	130	816392	10.659	ppbv	100
39) 1,2-Dichloropropane	7.64	63	773693	9.924	ppbv	90
40) 1,4-Dioxane	7.85	88	270795	8.582	ppbv #	93
41) Tetrahydrofuran	6.05	42	817842	10.257	ppbv	97
42) Bromodichloromethane	7.82	83	1938050	10.229	ppbv	96
43) Methyl Methacrylate	8.04	69	824361	10.659	ppbv	97

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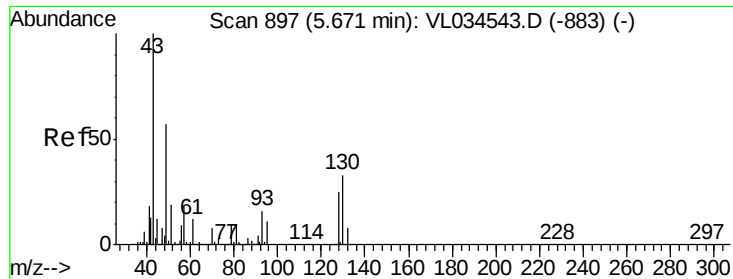
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 0
 QLast Update : Thu Jan 09 03:01:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3390710	9.667	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1186345	11.908	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1293156	11.355	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	842920	9.808	ppbv	98
48) Dibromochloromethane	10.35	129	1631038	10.947	ppbv	98
49) Bromoform	13.10	173	1482928	10.994	ppbv	99
50) 4-Methyl-2-Pentanone	8.77	43	2249533	9.970	ppbv	99
51) 2-Hexanone	10.17	43	1874401	10.291	ppbv #	99
52) Tetrachloroethene	11.27	164	762464	10.305	ppbv	98
53) Toluene	9.84	91	2244236	10.774	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1305485	10.438	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	1092312	10.174	ppbv	98
57) Chlorobenzene	12.19	112	1800349	9.812	ppbv	99
58) Ethyl Benzene	12.76	91	3116824	10.391	ppbv	99
59) m/p-Xylene	13.04	91	5288594m	20.163	ppbv	
60) o-Xylene	13.74	91	2664985	10.126	ppbv	100
61) Styrene	13.58	104	1966817	10.930	ppbv	99
62) Isopropylbenzene	14.72	105	3480901	10.111	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1879922	8.904	ppbv	98
64) n-propylbenzene	15.62	120	905220	10.297	ppbv	100
65) tert-Butylbenzene	16.81	119	3168257	10.186	ppbv	100
66) Benzyl Chloride	17.05	91	1658820	12.169	ppbv	99
67) sec-Butylbenzene	17.36	105	4296656	9.837	ppbv	100
69) p-Isopropyltoluene	17.71	119	3620598	10.220	ppbv	100
70) n-Butylbenzene	18.61	91	3733440	9.767	ppbv	100
71) 2-Chlorotoluene	15.51	91	2700019	10.099	ppbv	99
72) 4-Ethyltoluene	15.90	105	3073315	10.435	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2928465	10.135	ppbv	96
74) 1,2,4-Trimethylbenzene	16.82	105	3050565	9.869	ppbv	94
75) 1,3-Dichlorobenzene	17.06	146	1744942	9.425	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1738653	9.754	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1668816	9.592	ppbv	99
78) Hexachloro-1,3-Butadiene	23.45	225	1593693	9.650	ppbv	99
79) Naphthalene	22.28	128	2796900	12.013	ppbv	99
80) Naphthalene, 2-methyl-	25.03	142	1436393	22.272	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.01	180	1683523	11.106	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1052232

Ion Ratio Lower Upper

49 100

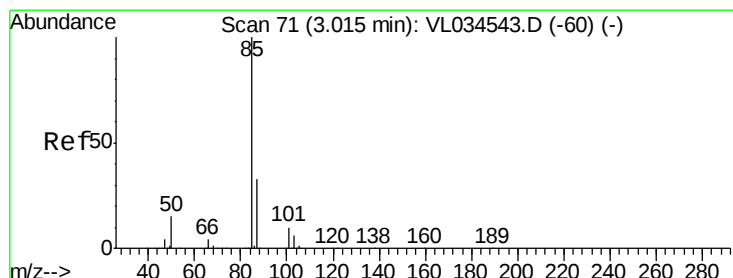
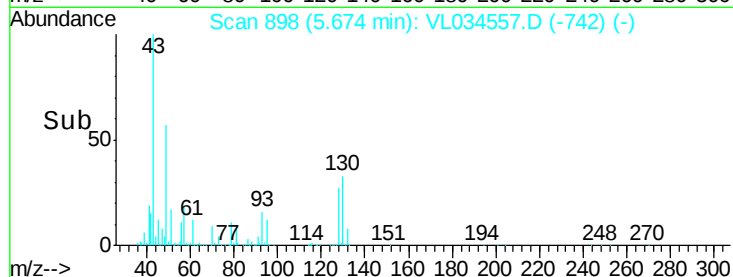
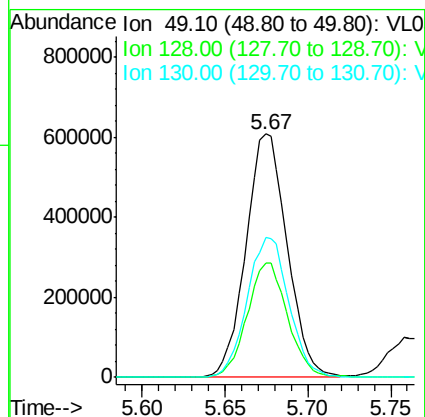
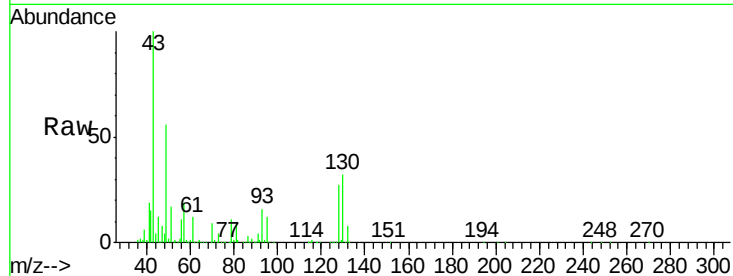
128 46.1 22.4 67.2

130 58.4 28.3 85.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.865 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL034557.D

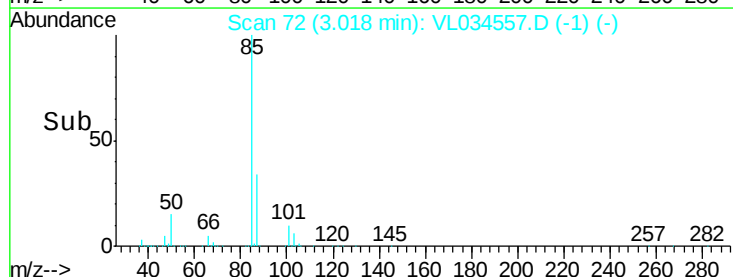
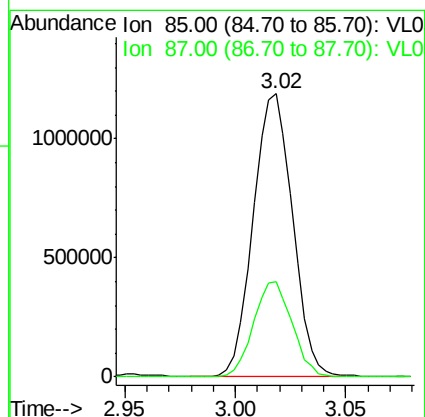
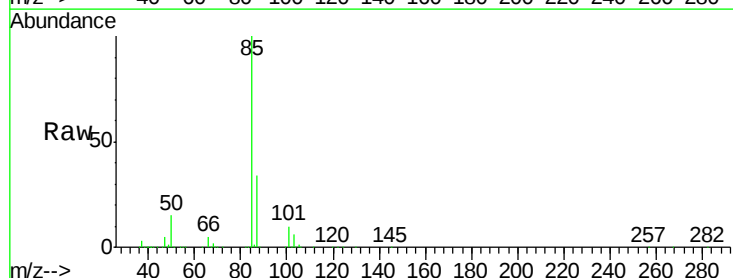
Acq: 27 Jan 2020 10:31

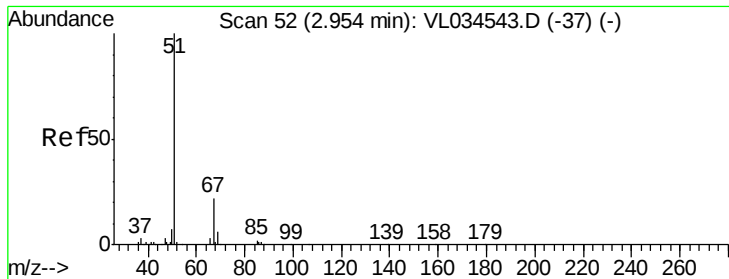
Tgt Ion: 85 Resp: 1471083

Ion Ratio Lower Upper

85 100

87 33.6 27.9 41.9





#3

Chlorodifluoromethane

Concen: 9.410 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1179716

Ion Ratio Lower Upper

51 100

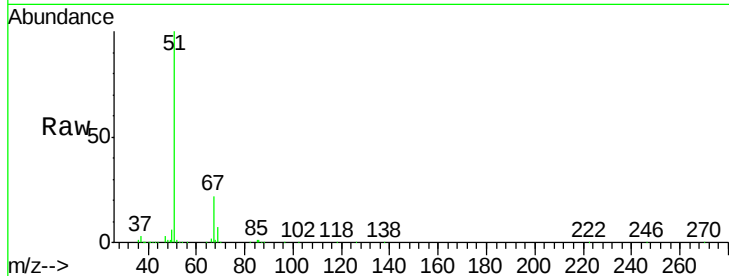
67 22.1 16.8 25.2

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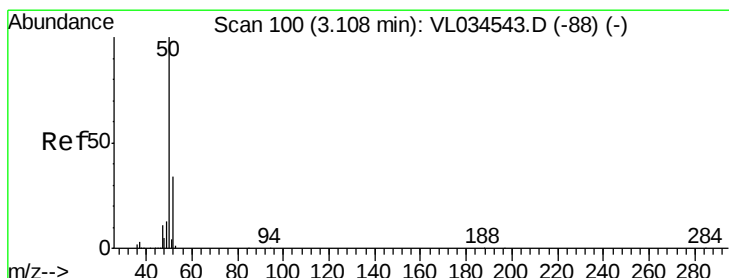
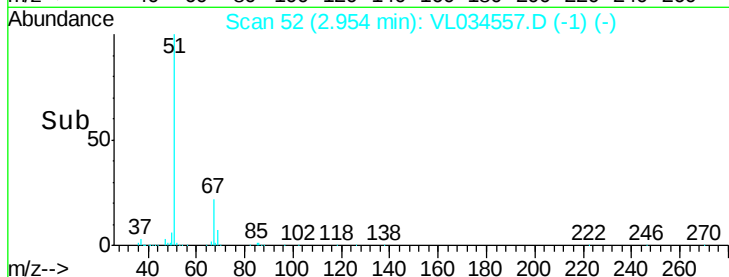
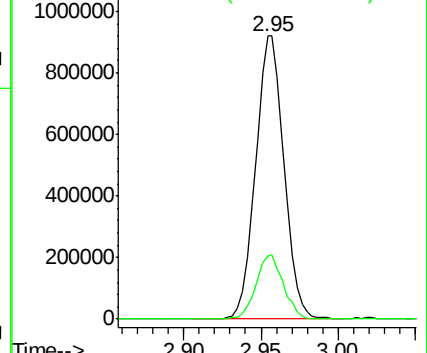
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.669 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034557.D

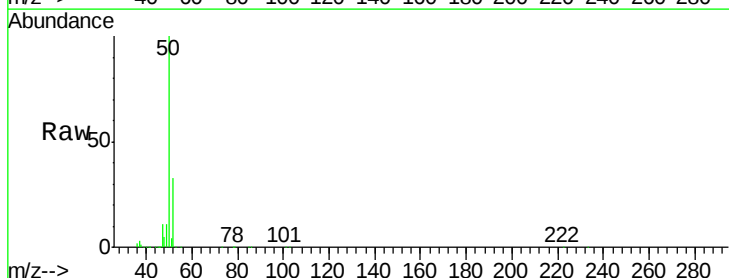
Acq: 27 Jan 2020 10:31

Tgt Ion: 50 Resp: 720045

Ion Ratio Lower Upper

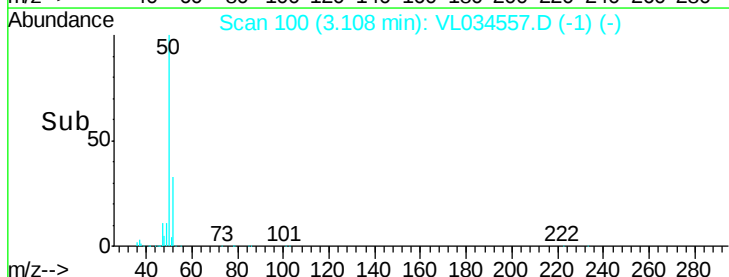
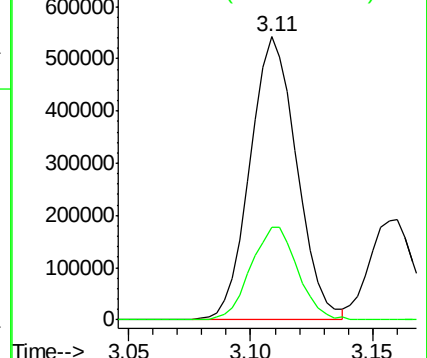
50 100

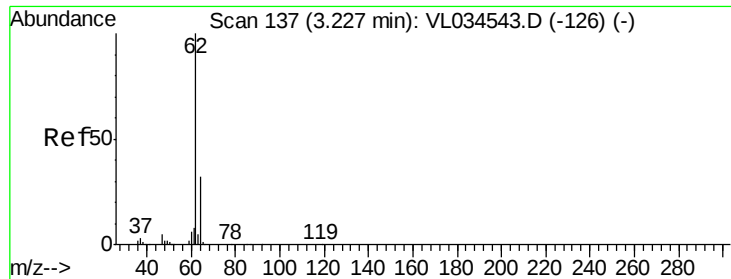
52 32.6 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.354 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 682135

Ion Ratio Lower Upper

62 100

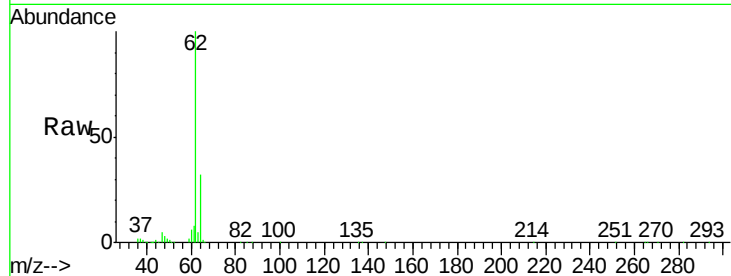
64 31.9 24.9 37.3

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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

600000

500000

400000

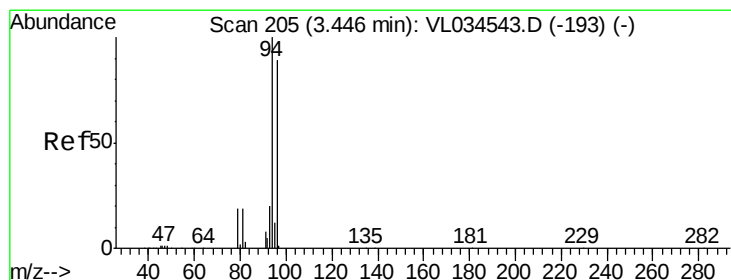
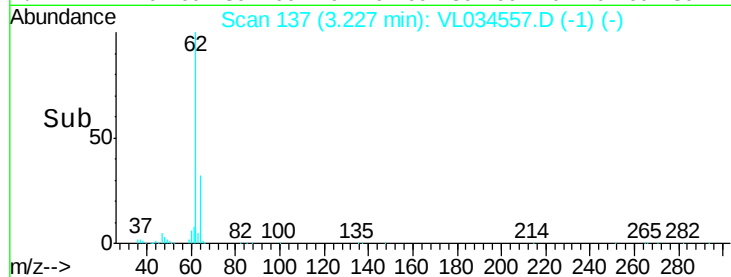
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 10.488 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.00 min

Lab File: VL034557.D

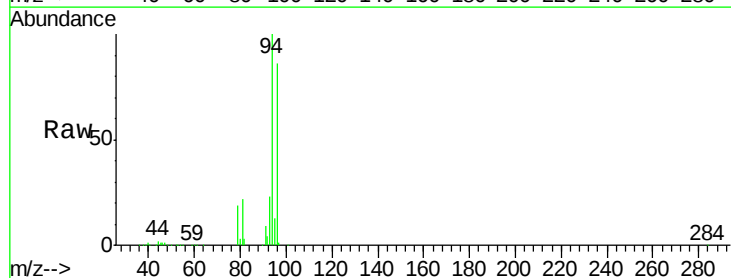
Acq: 27 Jan 2020 10:31

Tgt Ion: 94 Resp: 380721

Ion Ratio Lower Upper

94 100

96 86.4 71.2 106.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.45

300000

250000

200000

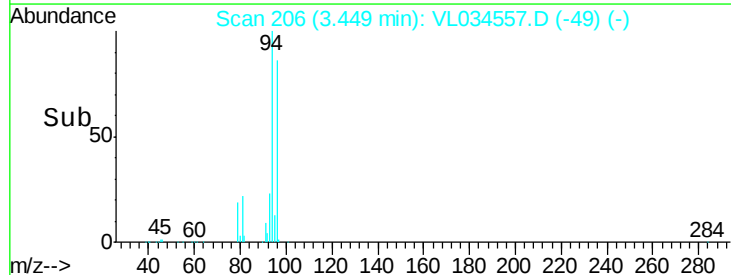
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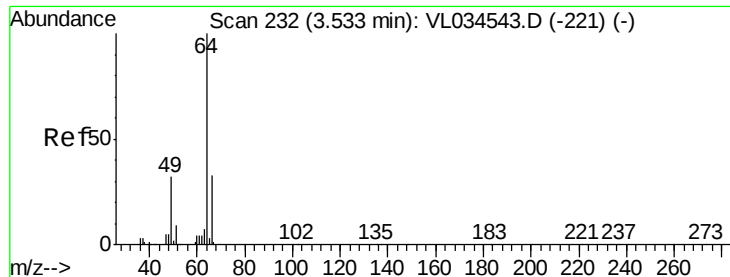
100000

50000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 10.200 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 259201

Ion Ratio Lower Upper

64 100

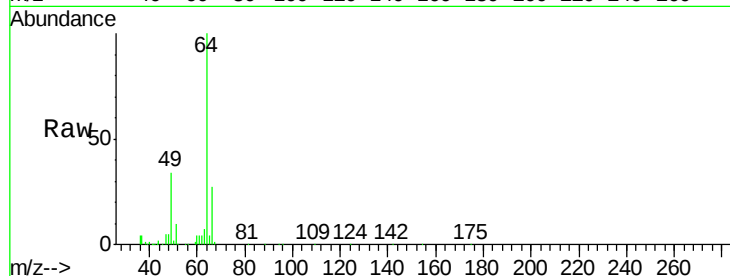
66 27.4 25.0 37.4

Manual Integrations

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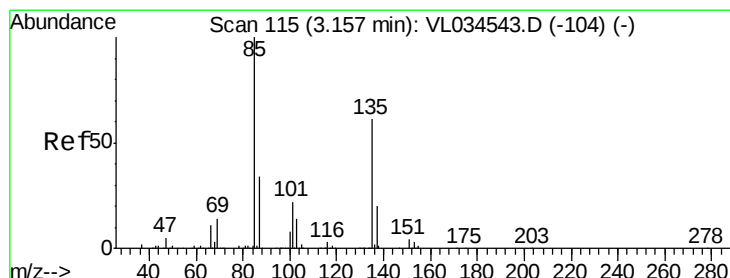
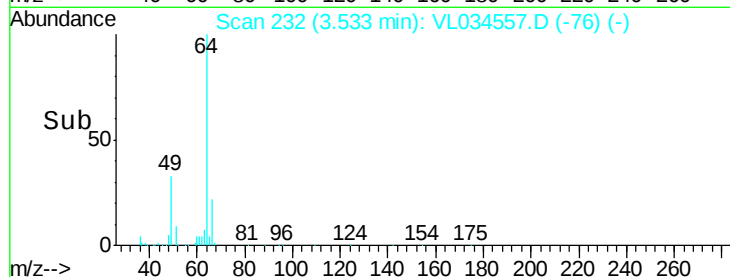
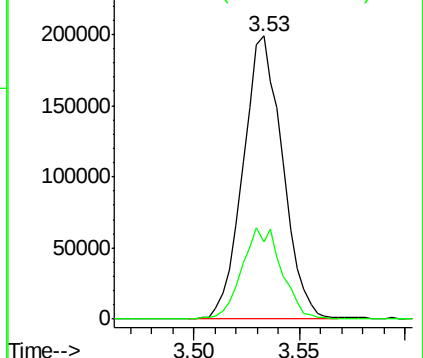
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.886 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL034557.D

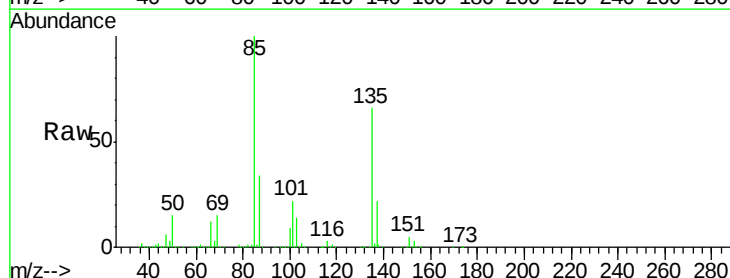
Acq: 27 Jan 2020 10:31

Tgt Ion: 85 Resp: 1645306

Ion Ratio Lower Upper

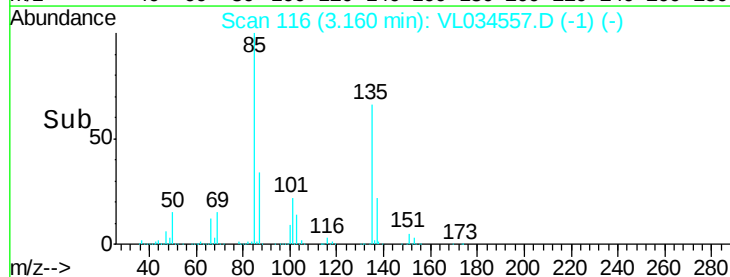
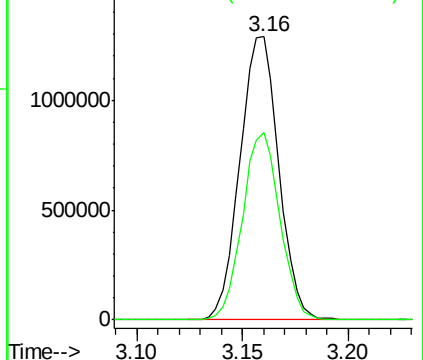
85 100

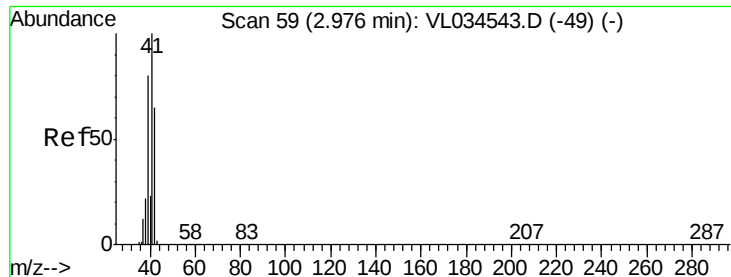
135 64.1 51.8 77.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





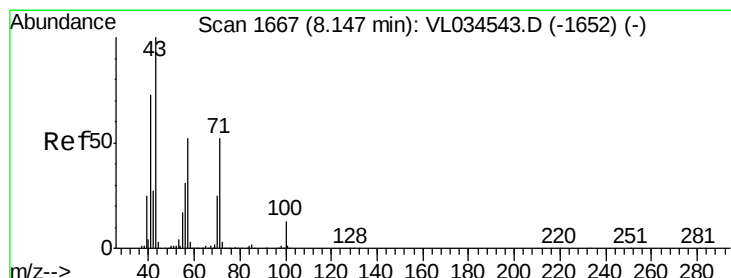
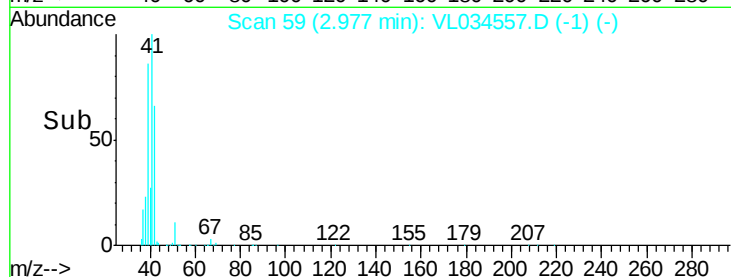
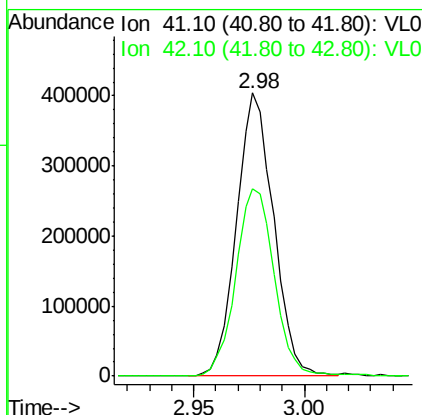
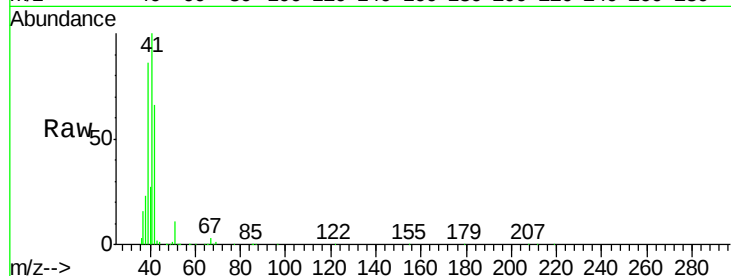
#9
Propene
Concen: 9.787 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 473034
Ion Ratio Lower Upper
41 100
42 69.5 55.8 83.6

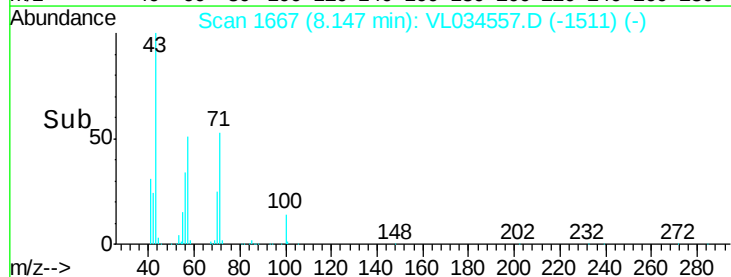
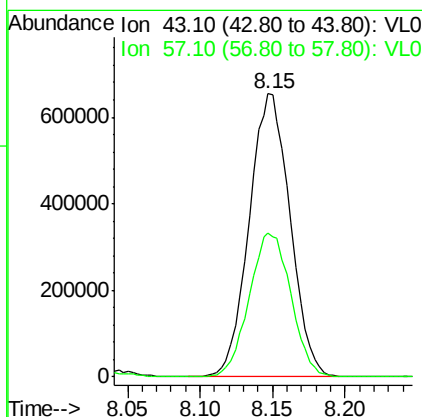
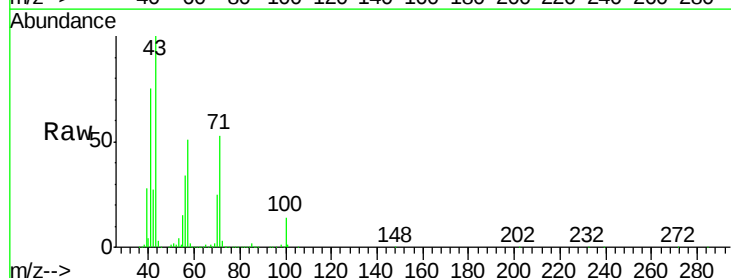
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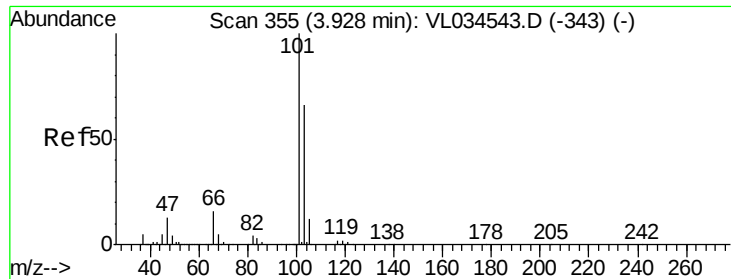
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#10
Heptane
Concen: 10.262 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 43 Resp: 1280914
Ion Ratio Lower Upper
43 100
57 52.2 41.0 61.6





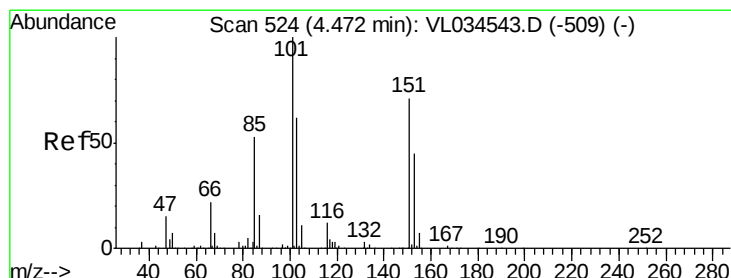
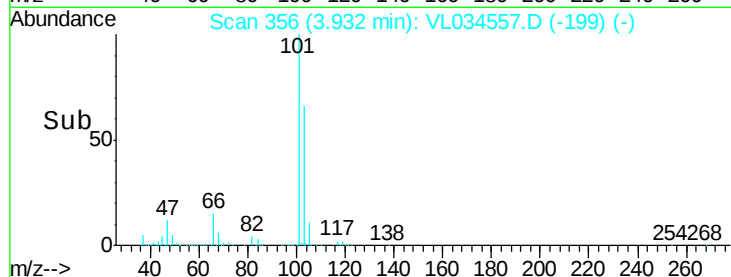
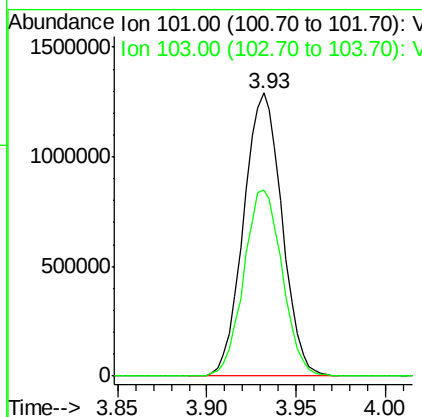
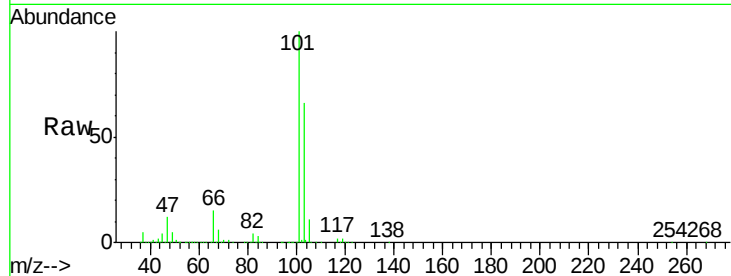
#11
 Trichlorofluoromethane
 Concen: 10.120 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1943395
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.1 78.1

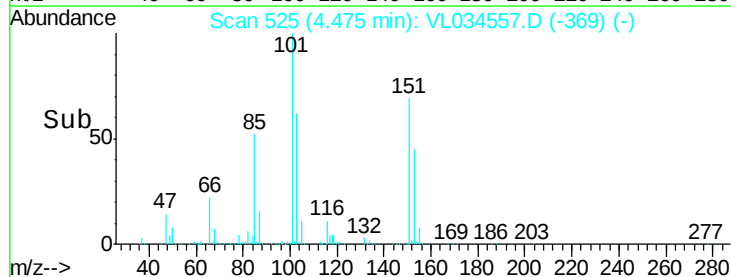
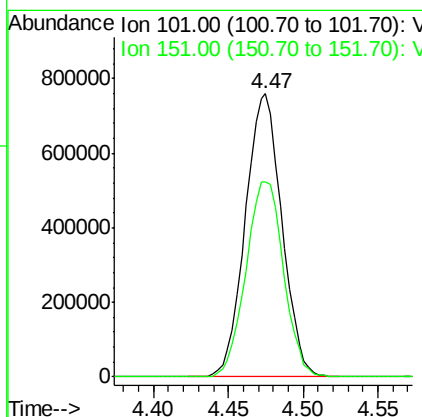
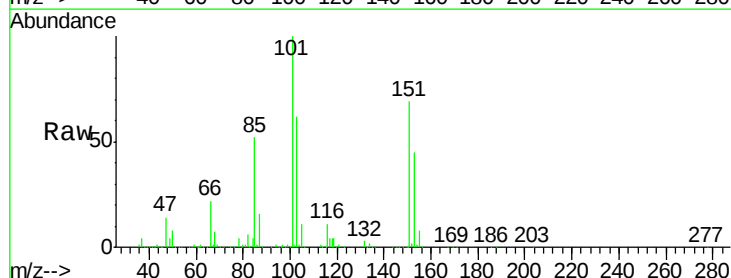
Manual Integrations
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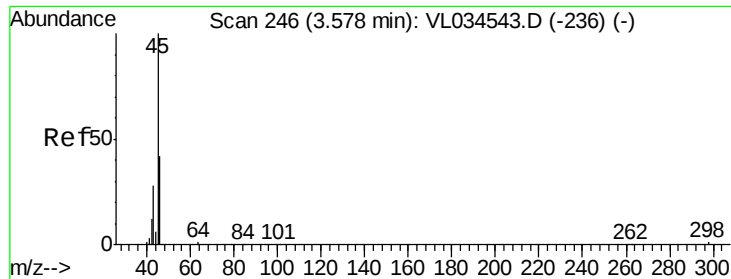
MMDadoda
 1/29/2020 10:26:31 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.565 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion:101 Resp: 1290378
 Ion Ratio Lower Upper
 101 100
 151 71.3 57.8 86.6





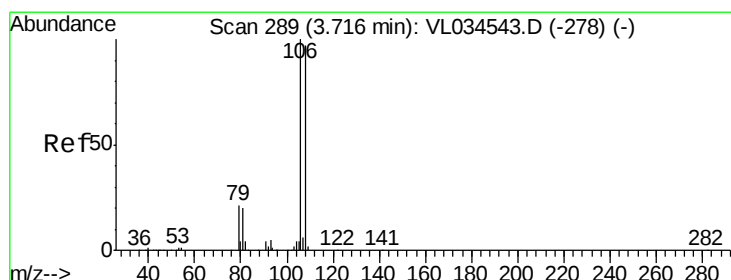
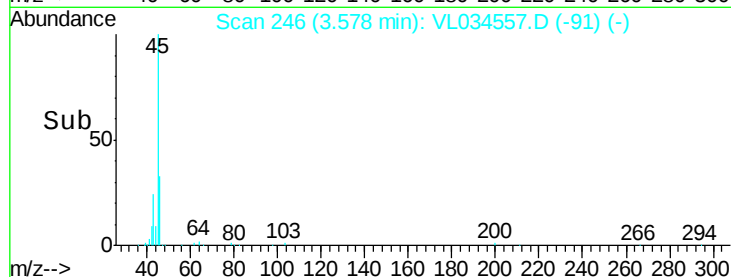
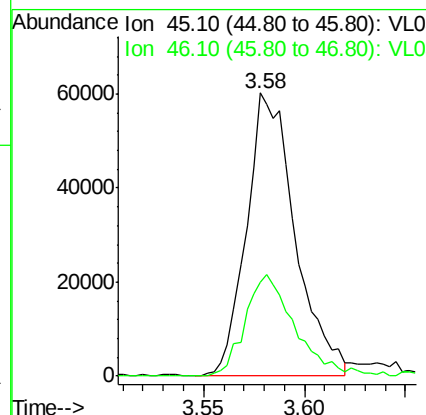
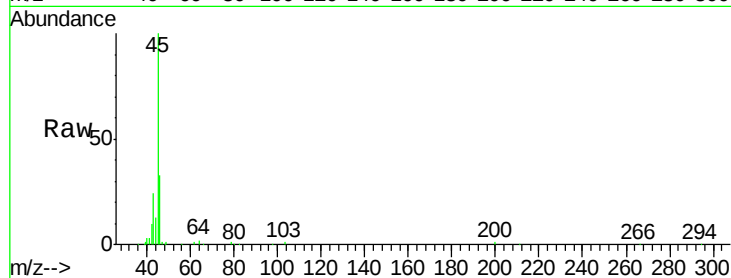
#13
Ethanol
Concen: 7.556 ppbv m
RT: 3.58 min Scan# 246
Delta R.T. -0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	101340
Ion Ratio	100	Lower	Upper
46	36.5	14.9	59.7

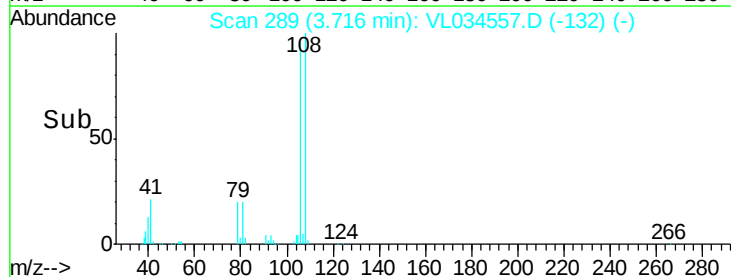
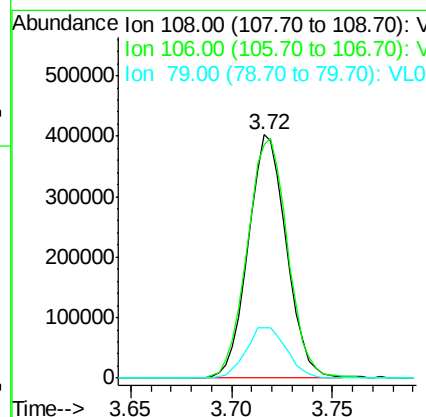
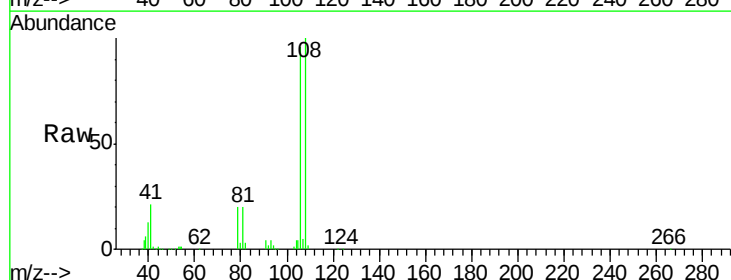
Manual Integrations
APPROVED

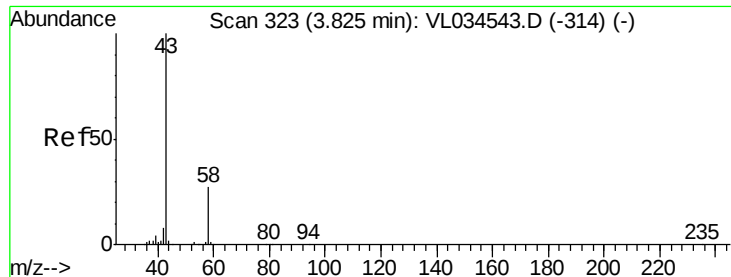
MMDadoda
1/29/2020 10:26:31 AM



#14
Bromoethene
Concen: 10.857 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	108	Resp	536316
Ion Ratio	100	Lower	Upper
106	104.5	85.2	127.8
79	22.6	17.4	26.2





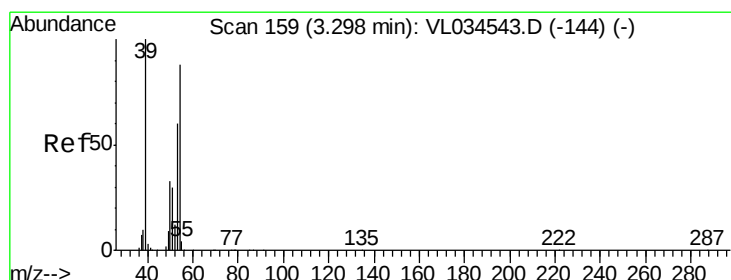
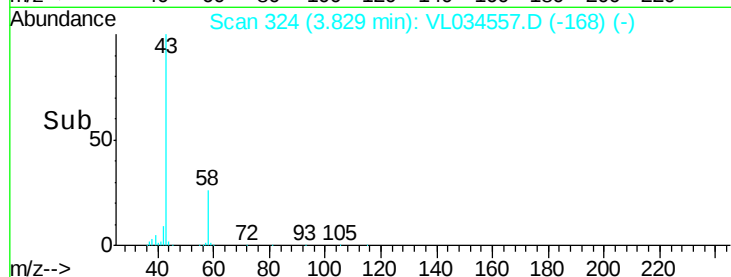
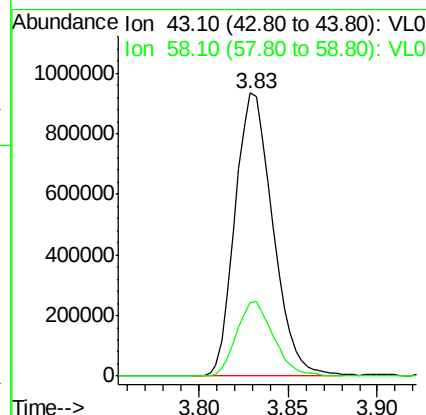
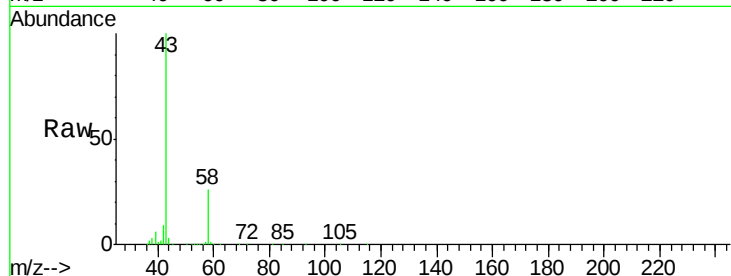
#15
Acetone
Concen: 9.007 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1383216
Ion Ratio Lower Upper
43 100
58 25.8 20.4 30.6

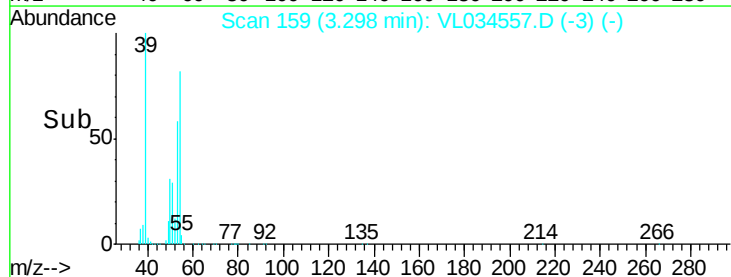
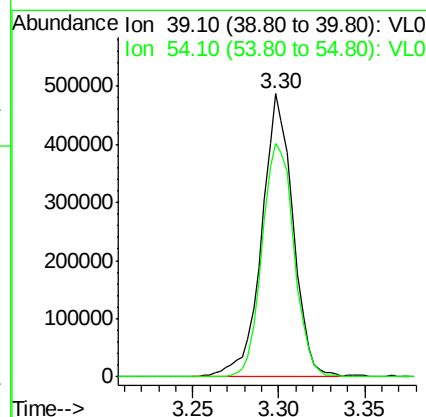
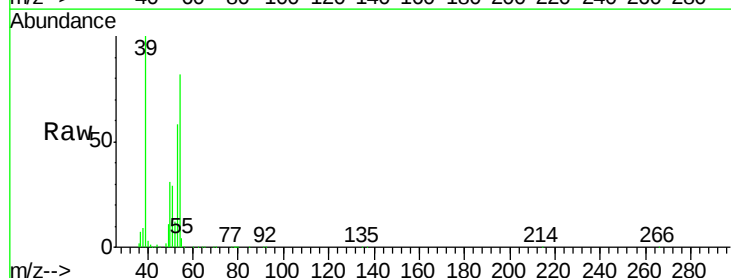
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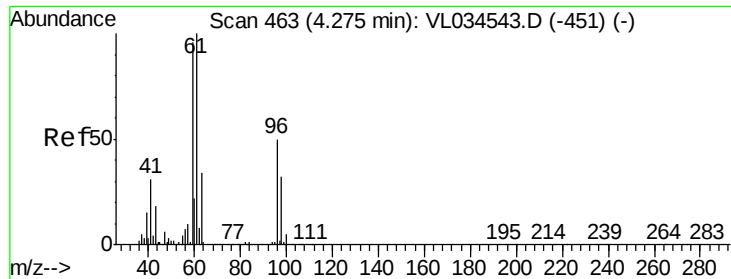
MMDadoda
1/29/2020 10:26:31 AM



#16
1,3-Butadiene
Concen: 10.344 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 39 Resp: 610922
Ion Ratio Lower Upper
39 100
54 84.3 66.2 99.2





#17

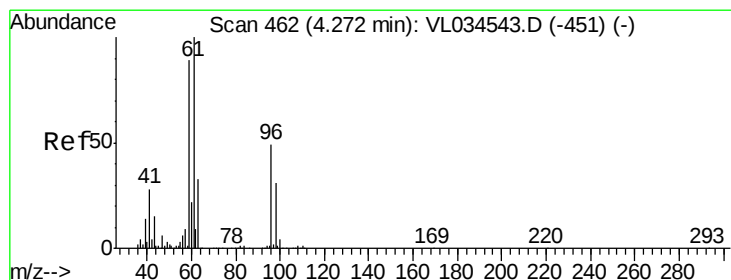
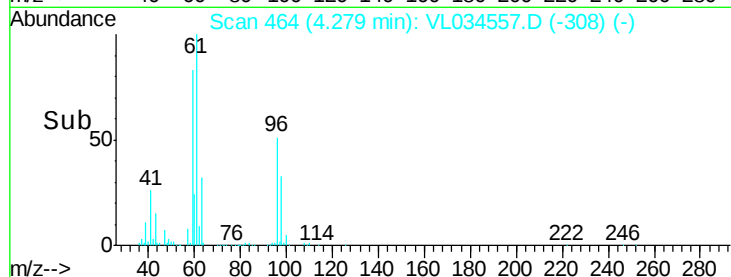
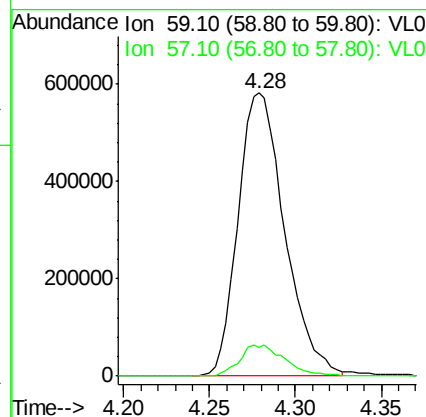
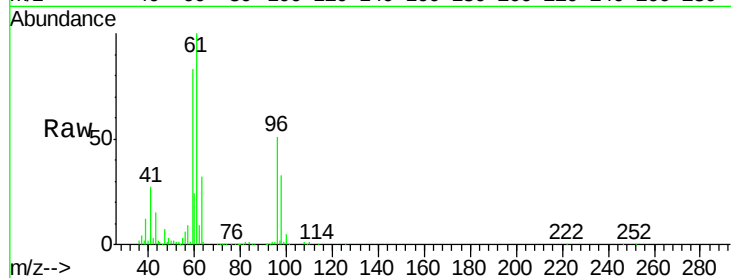
tert-Butyl alcohol
Concen: 8.909 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1095470
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
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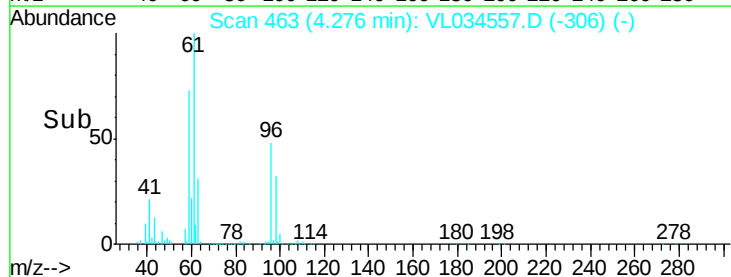
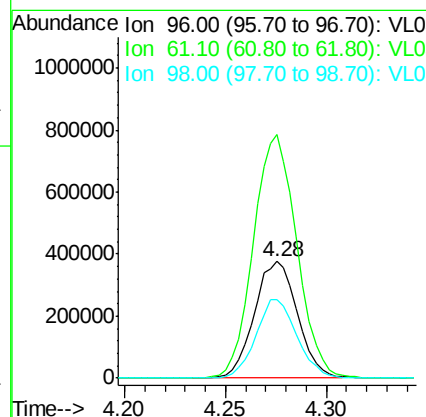
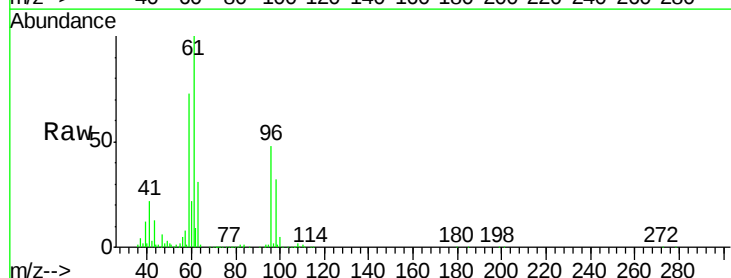
MMDadoda
1/29/2020 10:26:31 AM

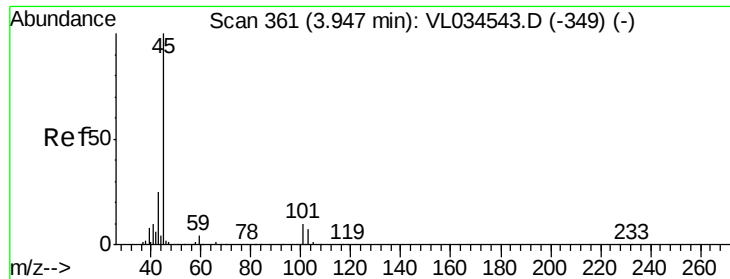


#18

1,1-Dichloroethene
Concen: 10.578 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 96 Resp: 562802
Ion Ratio Lower Upper
96 100
61 208.2 165.9 248.9
98 66.6 51.9 77.9





#19

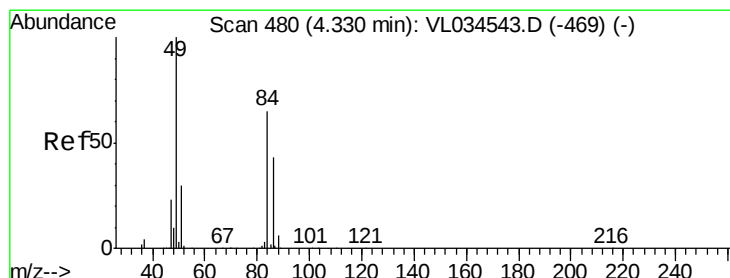
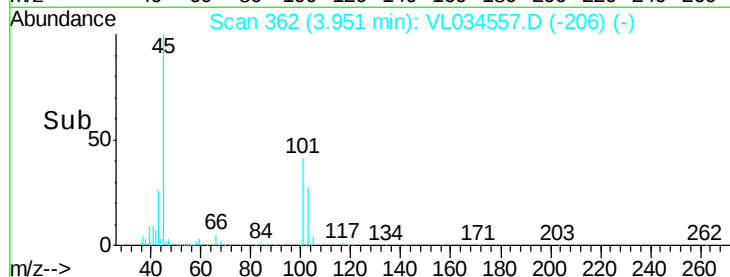
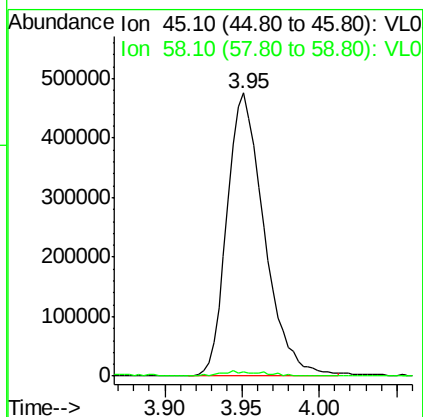
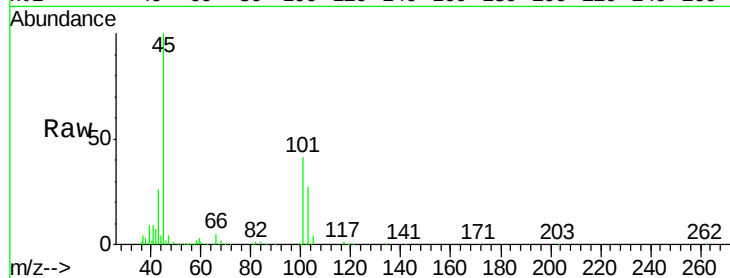
Isopropyl Alcohol
 Concen: 7.992 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.4	1.4	2.0#

Manual Integrations
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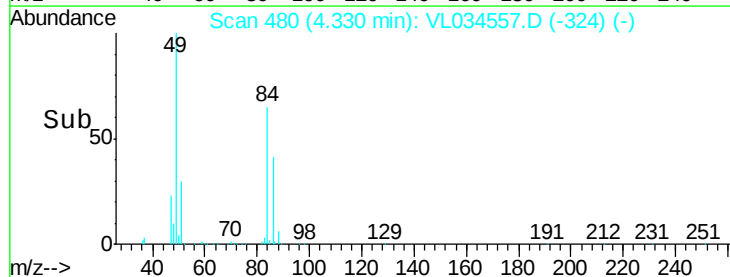
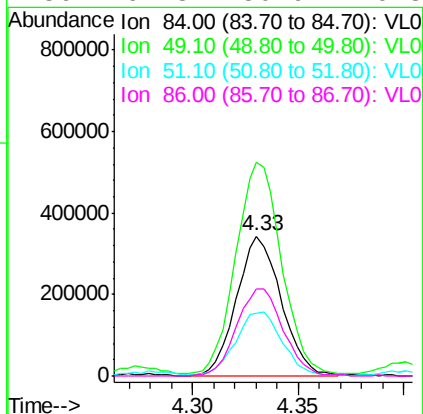
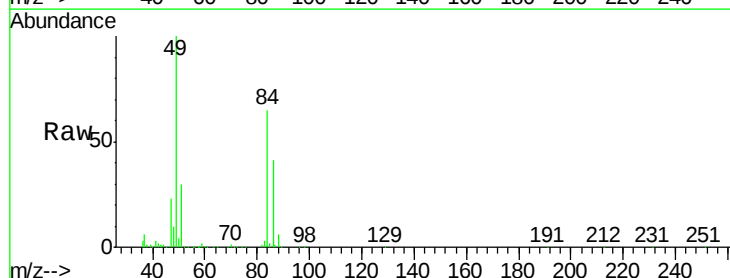
MMDadoda
 1/29/2020 10:26:31 AM

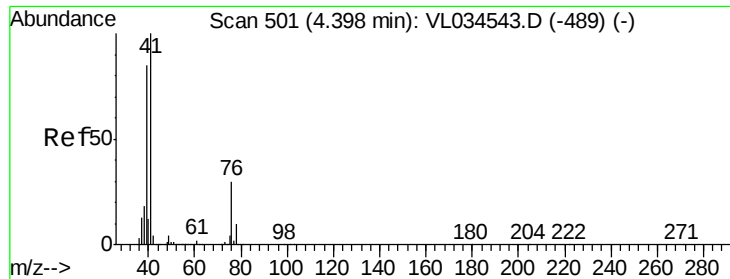


#20

Methylene Chloride
 Concen: 8.335 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.6	124.4	186.6
51	44.5	37.0	55.6
86	62.8	50.9	76.3





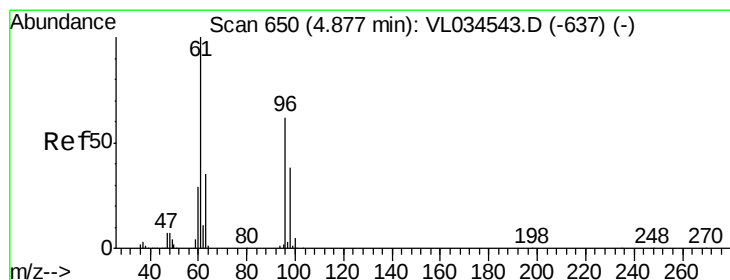
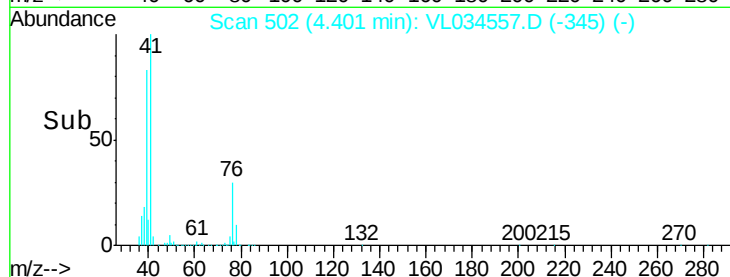
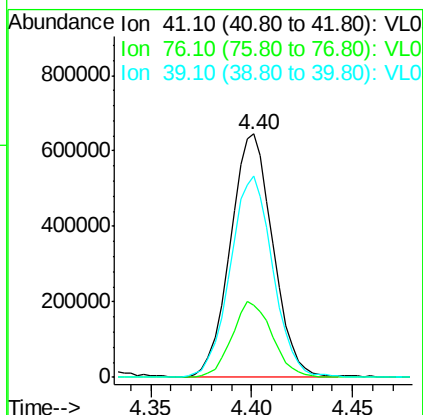
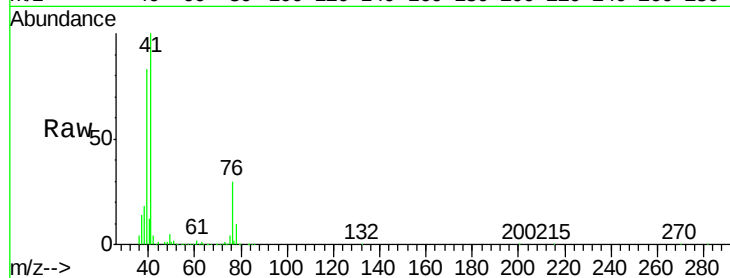
#21
Allvl Chloride
Concen: 10.682 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.1	24.2	36.4
39	83.6	65.8	98.6

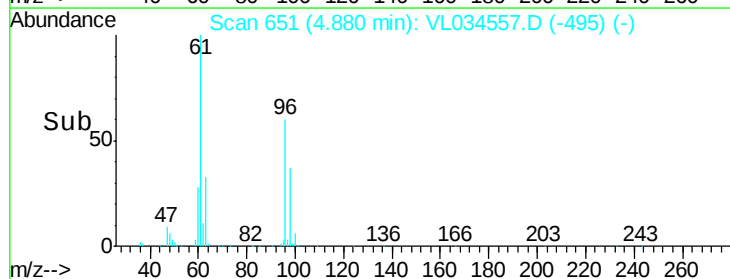
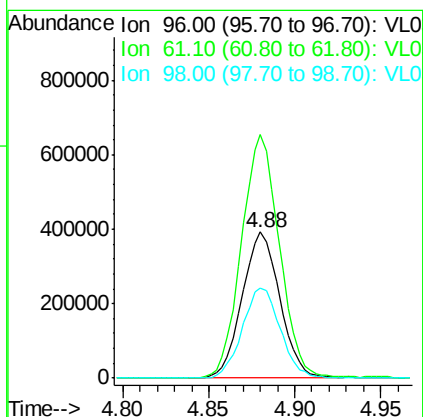
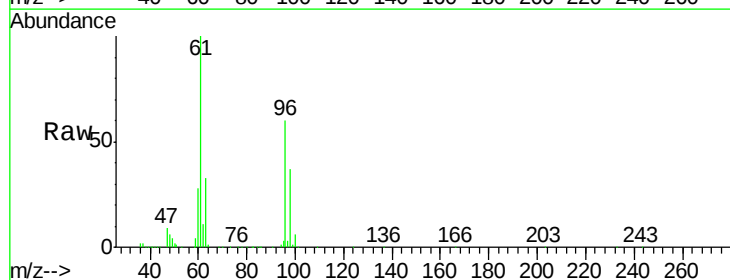
Manual Integrations
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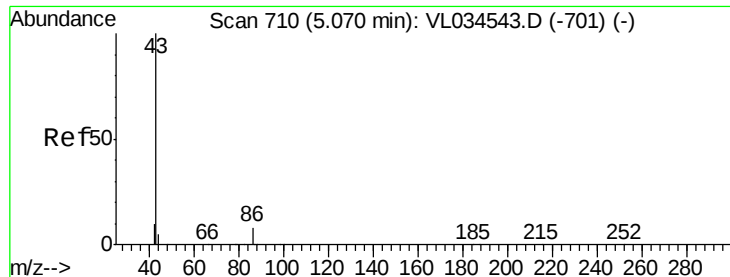
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 11.012 ppbv
RT: 4.88 min Scan# 651
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	128.4	192.6
98	61.4	50.6	75.8





#23

Vinyl Acetate

Concen: 10.099 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1790492

Ion Ratio Lower Upper

43 100

86 8.2 5.4 8.2#

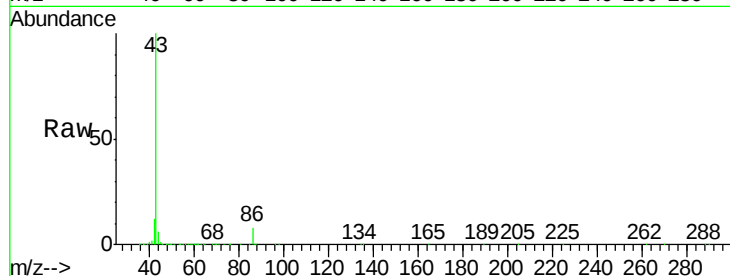
42 12.3 8.9 13.3

44 5.7 5.0 7.4

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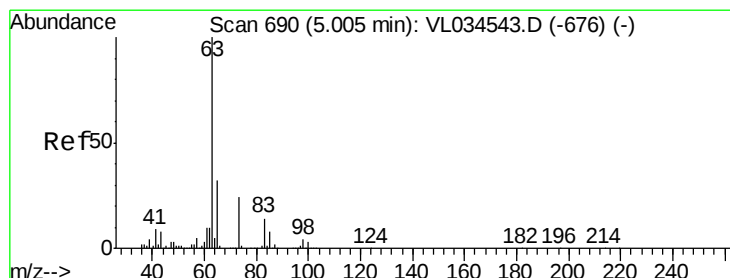
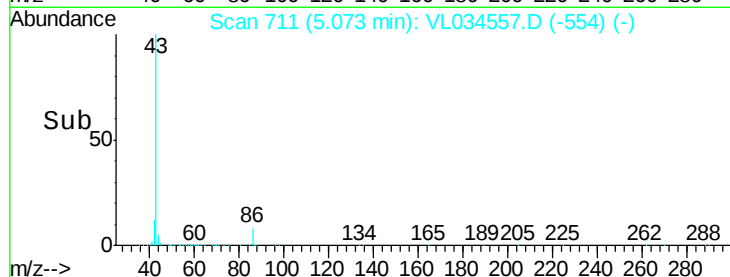
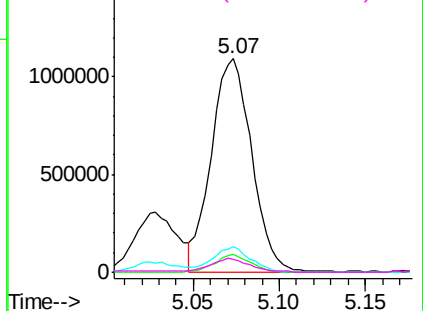


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.840 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

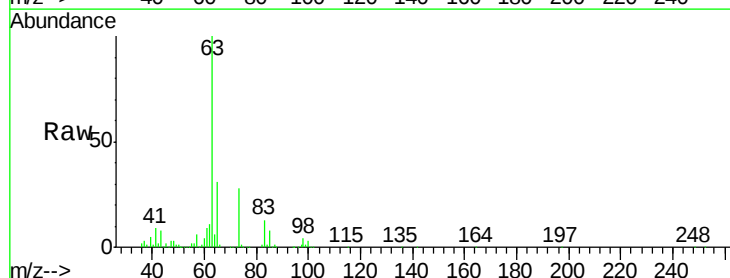
Tgt Ion: 63 Resp: 1401559

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

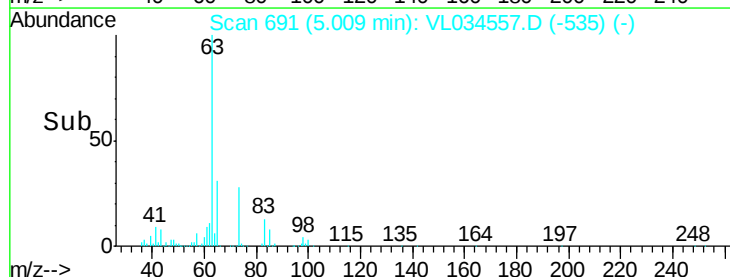
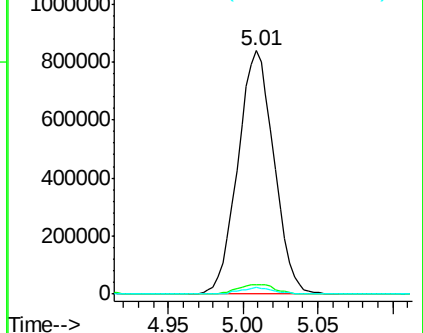
100 2.8 1.1 3.3

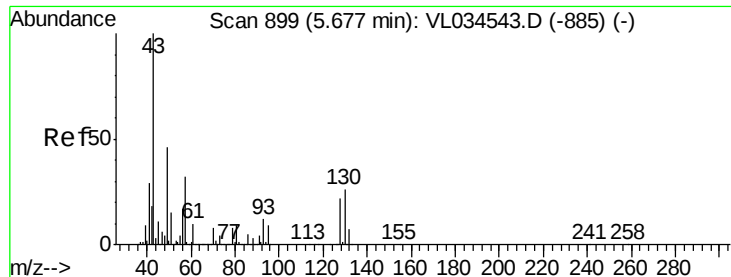


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





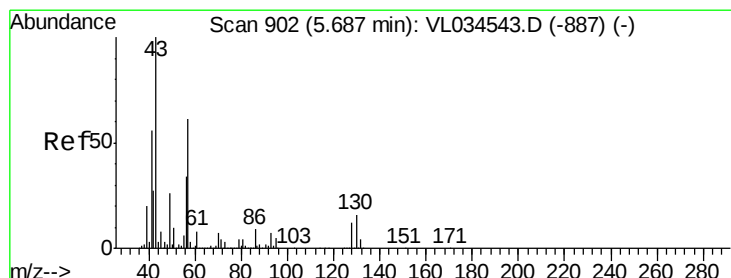
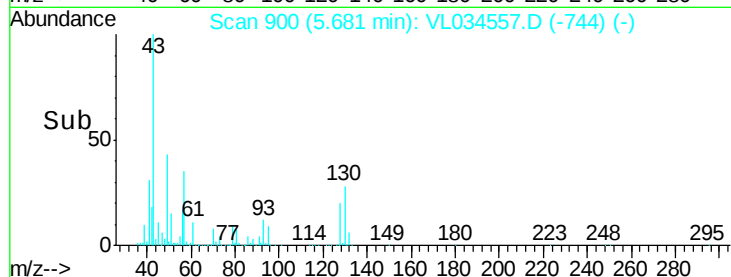
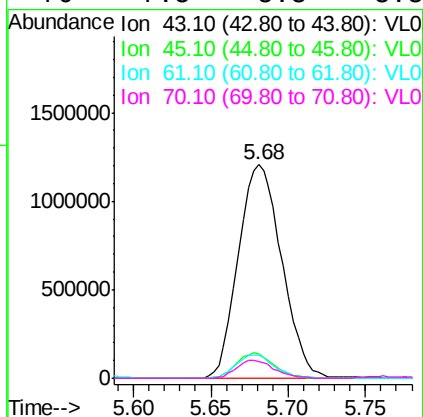
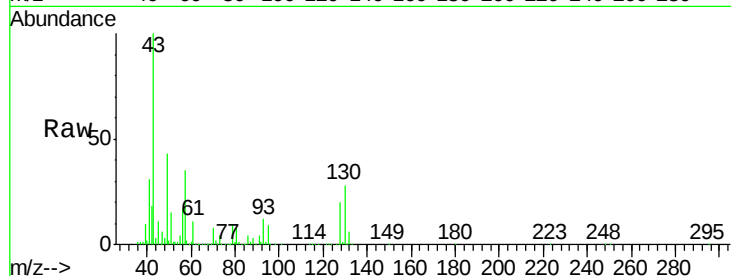
#25
Ethyl Acetate
Concen: 9.783 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	2346136
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.7	7.8	11.6
70	7.5	5.8	8.8

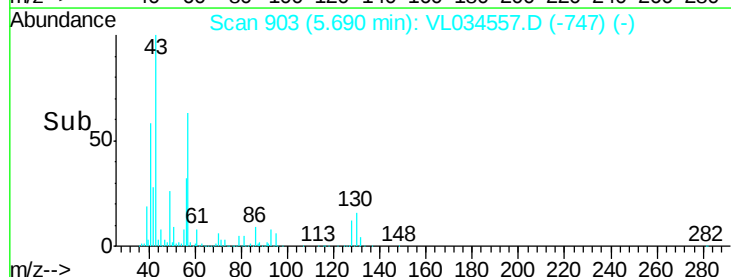
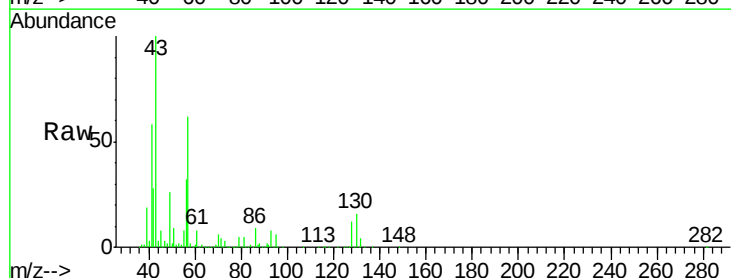
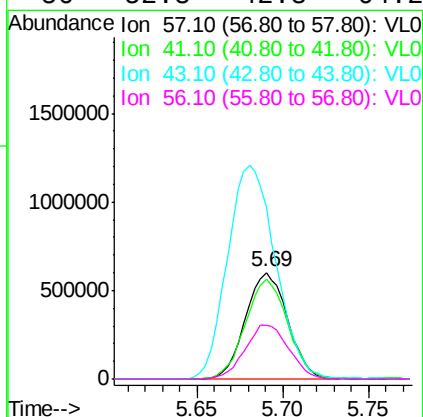
Manual Integrations
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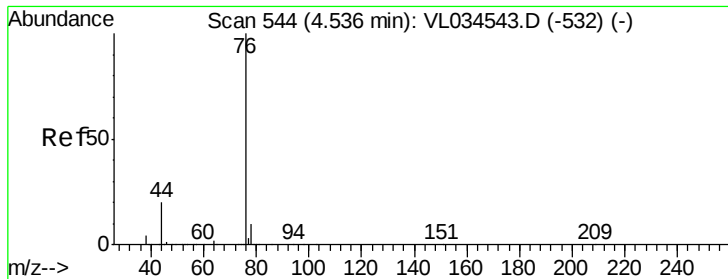
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#26
Hexane
Concen: 10.094 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion:	57	Resp:	1019995
Ion	Ratio	Lower	Upper
57	100		
41	94.7	75.3	112.9
43	232.4	189.4	284.2
56	52.8	42.8	64.2





#27

Carbon Disulfide

Concen: 11.803 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1507555

Ion Ratio Lower Upper

76 100

44 20.8 16.6 25.0

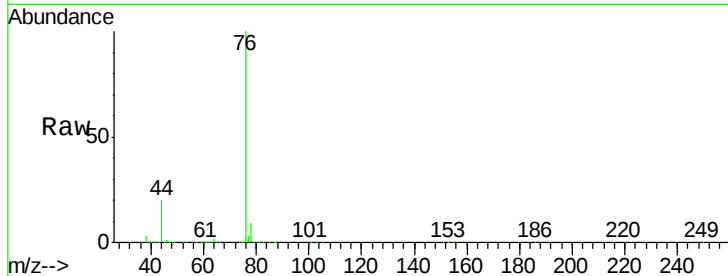
78 9.6 7.4 11.0

Manual Integrations

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MMDadoda

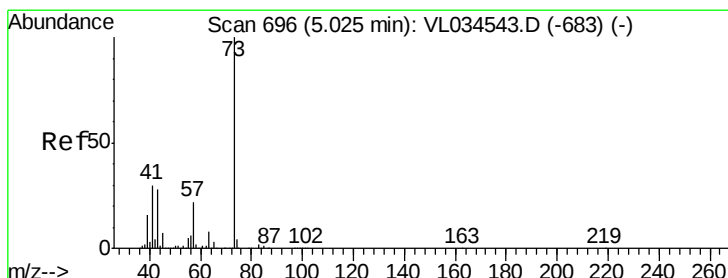
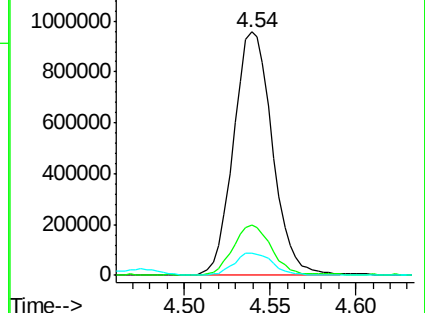
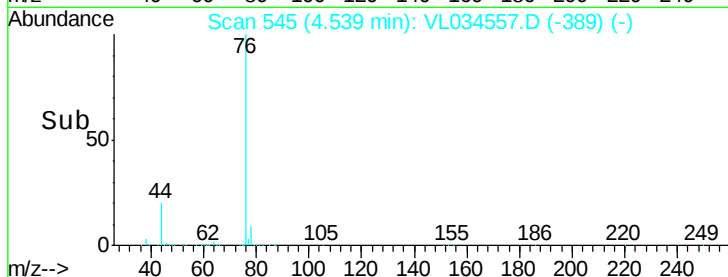
1/29/2020 10:26:31 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.860 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.00 min

Lab File: VL034557.D

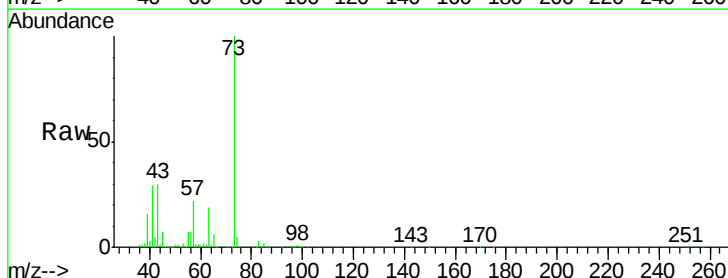
Acq: 27 Jan 2020 10:31

Tgt Ion: 73 Resp: 1832868

Ion Ratio Lower Upper

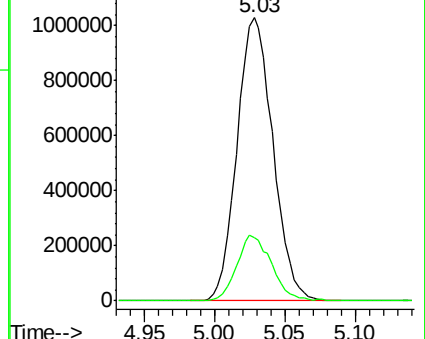
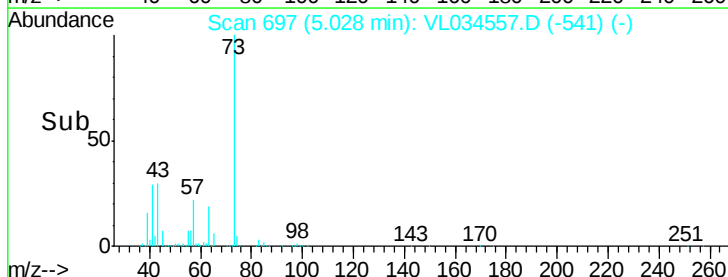
73 100

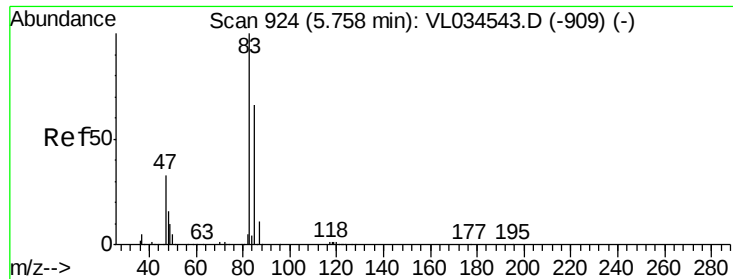
57 22.7 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





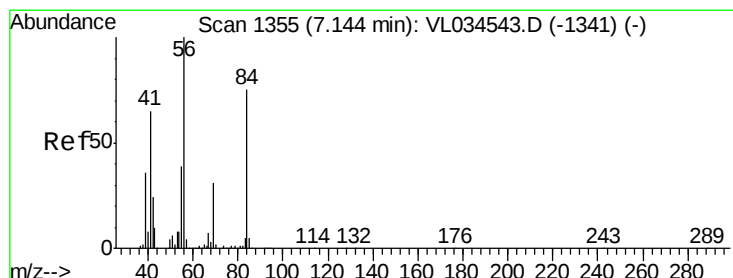
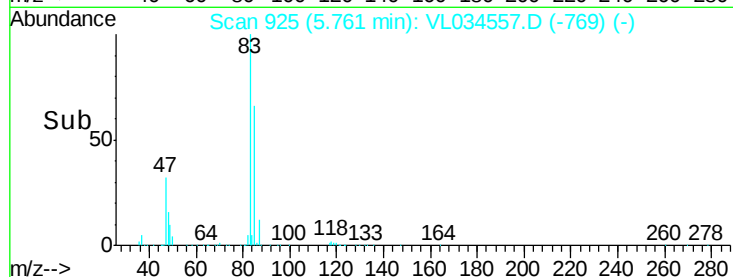
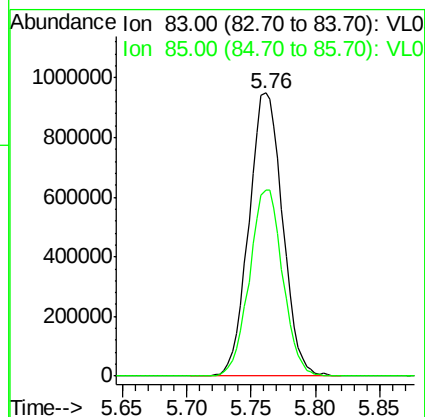
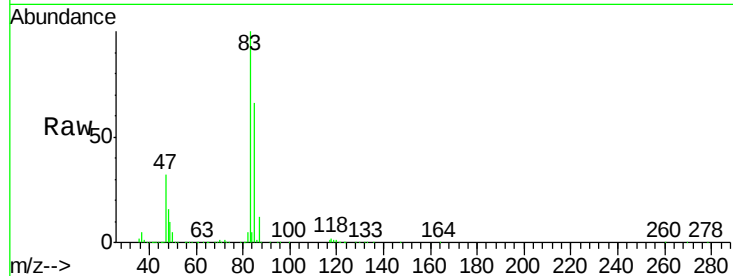
#29
Chloroform
Concen: 9.896 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1730359
Ion Ratio Lower Upper
83 100
85 65.7 51.0 76.6

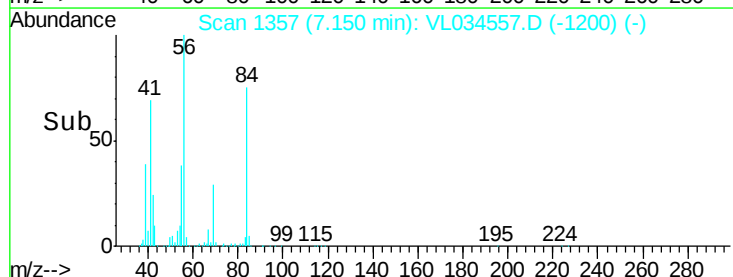
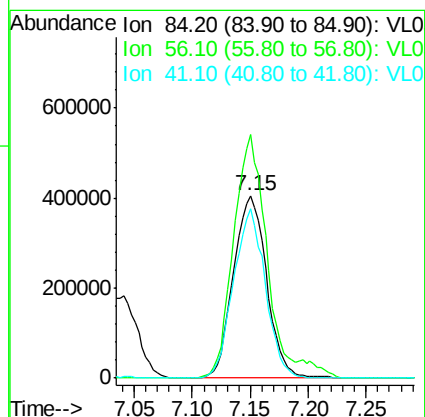
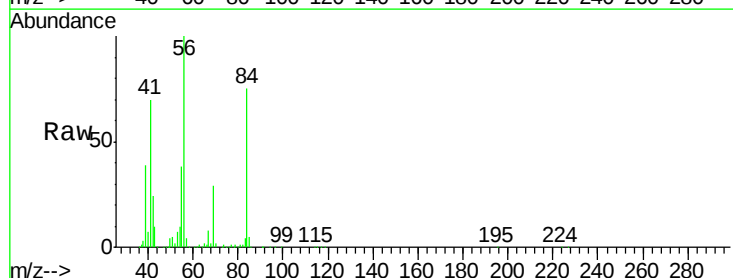
Manual Integrations
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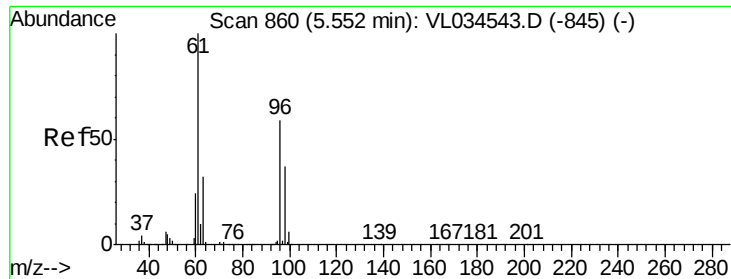
MMDadoda
1/29/2020 10:26:31 AM



#30
Cyclohexane
Concen: 10.695 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 84 Resp: 803291
Ion Ratio Lower Upper
84 100
56 137.0 112.7 169.1
41 89.0 73.0 109.4





#31

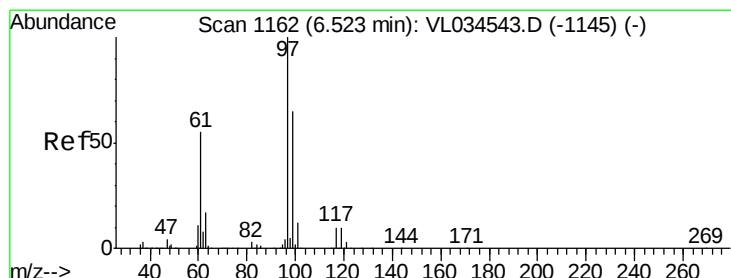
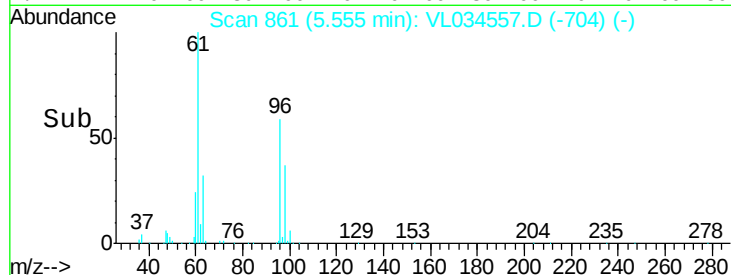
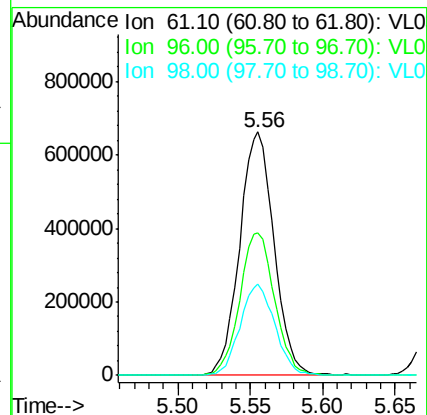
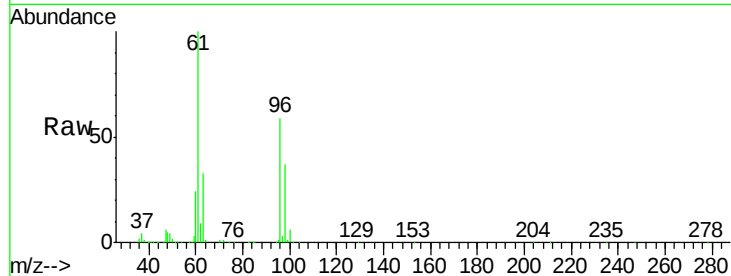
cis-1,2-Dichloroethene
Concen: 10.565 ppbv
RT: 5.56 min Scan# 861
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 61 Resp: 1087976
Ion Ratio Lower Upper
61 100
96 58.7 47.1 70.7
98 37.4 31.0 46.6

Manual Integrations
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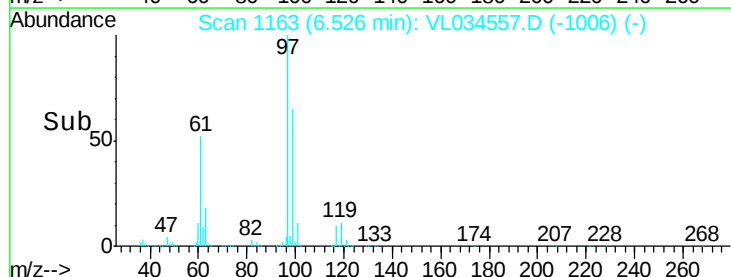
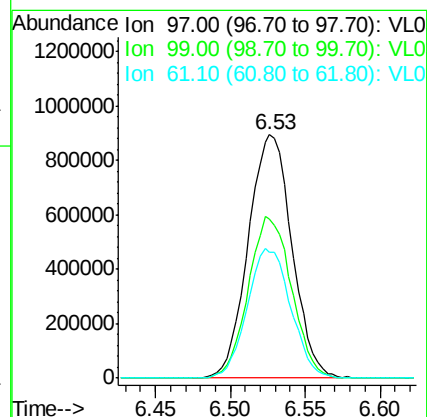
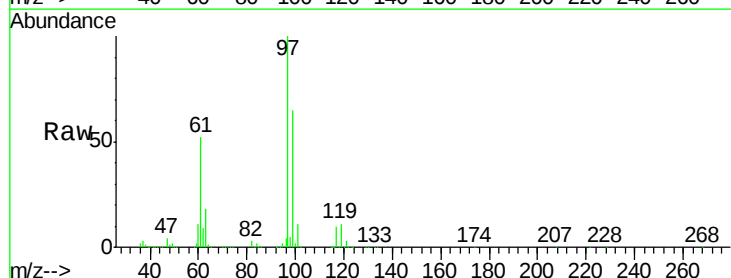
MMDadoda
1/29/2020 10:26:31 AM

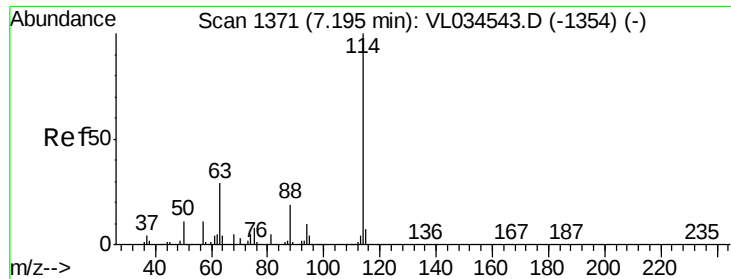


#32

1,1,1-Trichloroethane
Concen: 10.011 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 97 Resp: 1816935
Ion Ratio Lower Upper
97 100
99 65.7 51.7 77.5
61 53.1 42.9 64.3





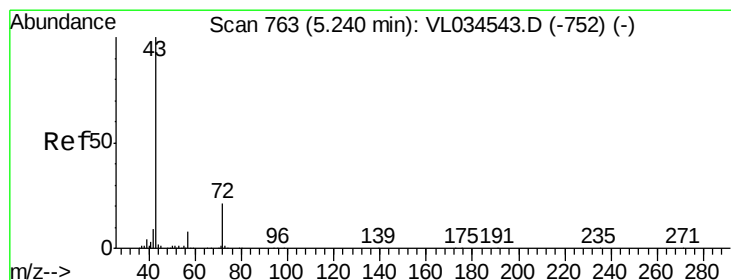
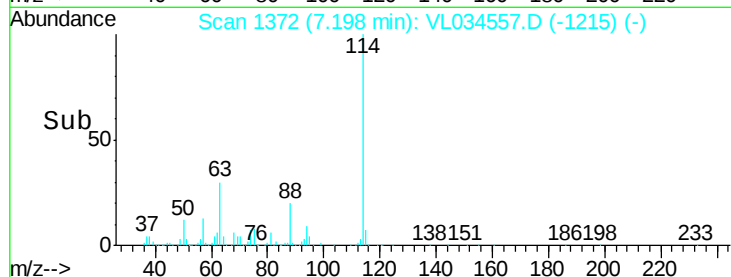
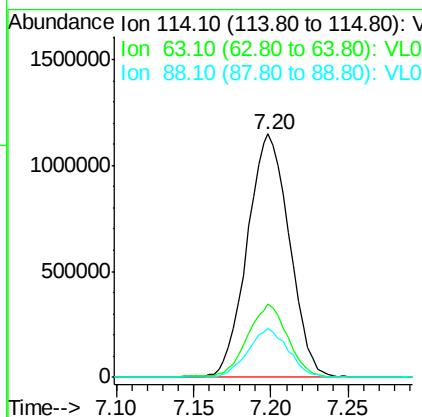
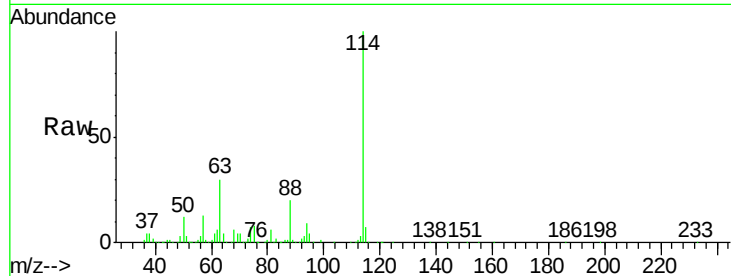
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.3	24.1	36.1
88	19.1	15.7	23.5

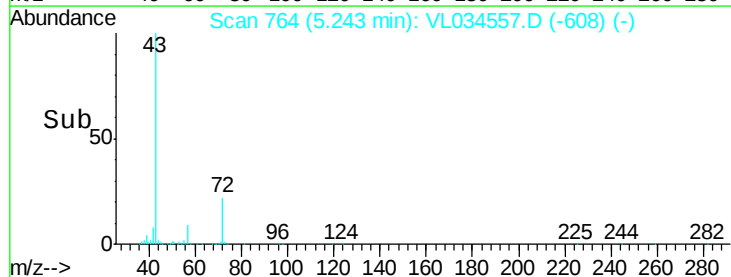
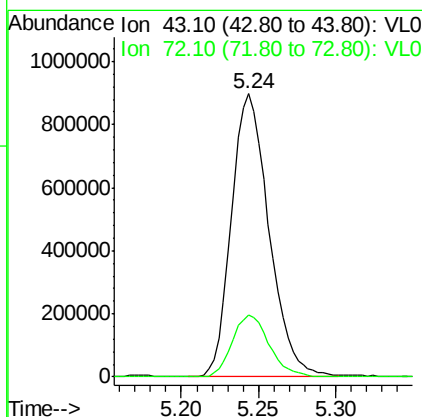
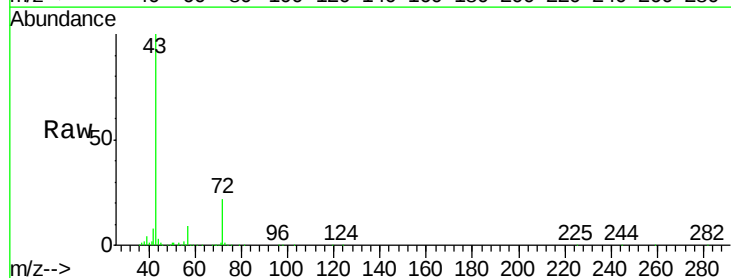
Manual Integrations
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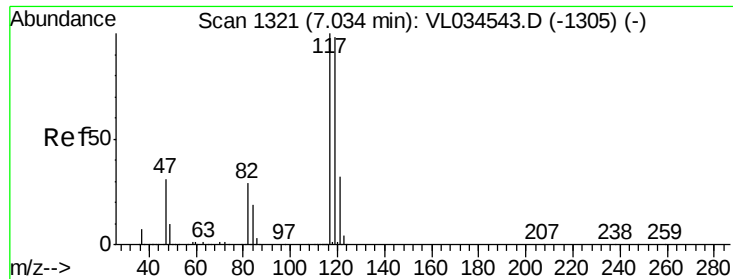
MMDadoda
 1/29/2020 10:26:31 AM



#34
 2-Butanone
 Concen: 9.689 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.0	25.4





#35

Carbon Tetrachloride

Concen: 10.052 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1982772

Ion Ratio Lower Upper

117 100

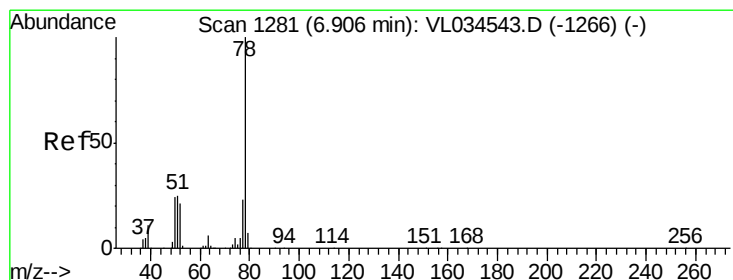
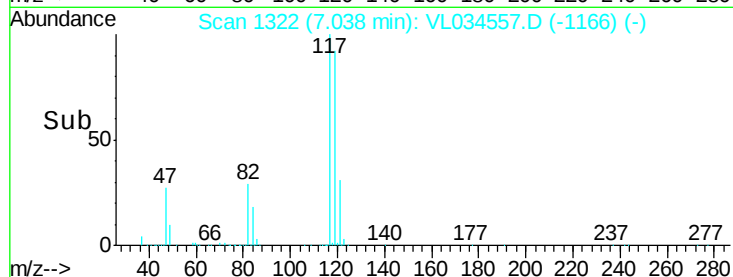
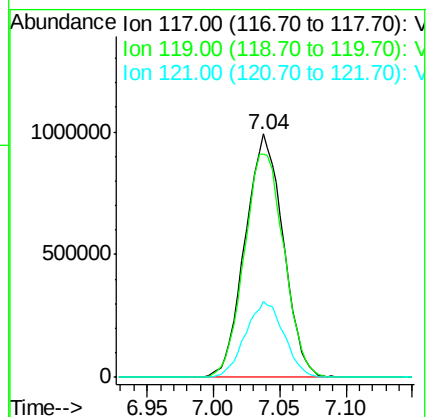
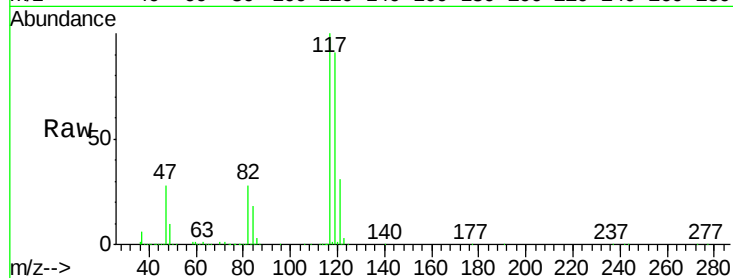
119 91.5 78.7 118.1

121 31.1 25.9 38.9

Manual Integrations
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MMDadoda

1/29/2020 10:26:31 AM



#36

Benzene

Concen: 10.054 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

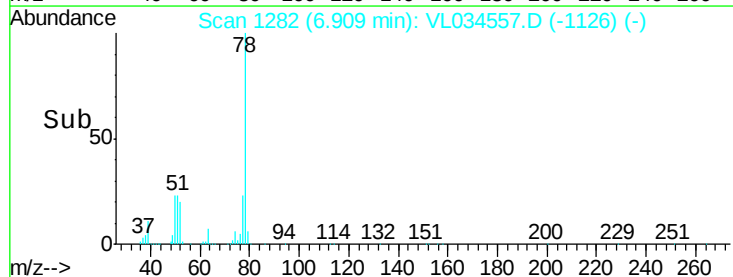
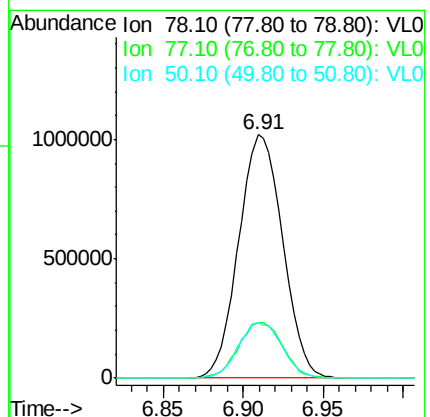
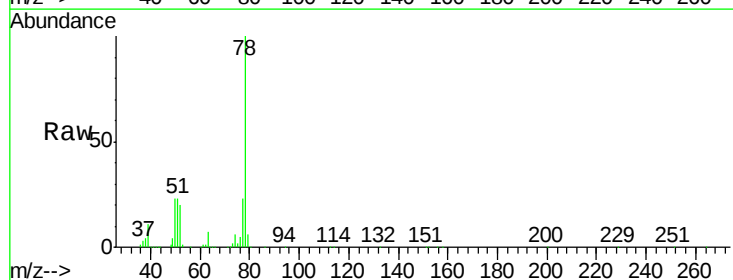
Tgt Ion: 78 Resp: 1906289

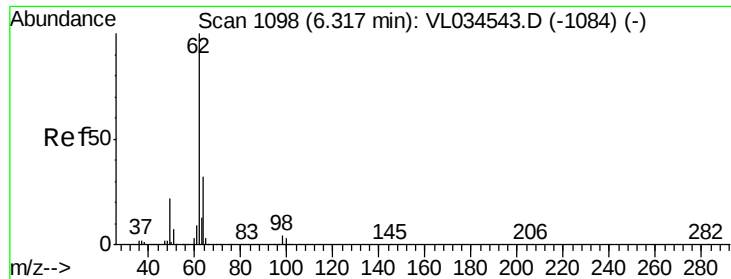
Ion Ratio Lower Upper

78 100

77 22.9 18.6 28.0

50 22.4 18.8 28.2





#37

1,2-Dichloroethane

Concen: 9.929 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1528734

Ion Ratio Lower Upper

62 100

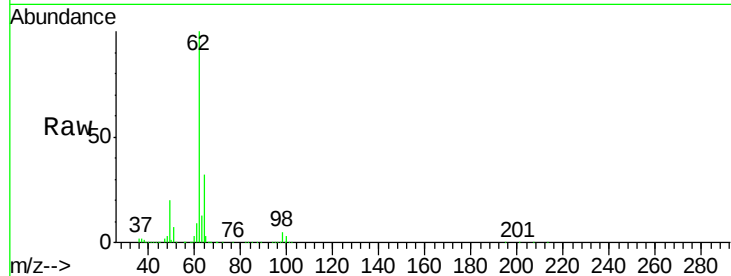
98 4.6 3.8 5.6

Manual Integrations

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MMDadoda

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

600000

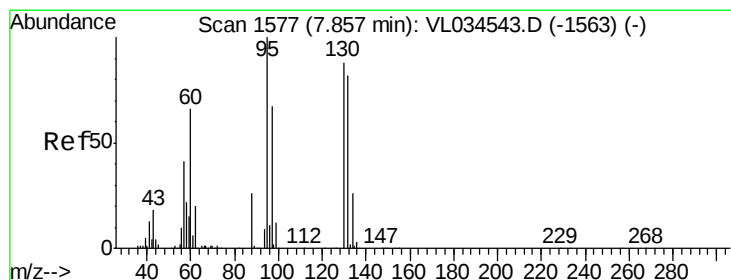
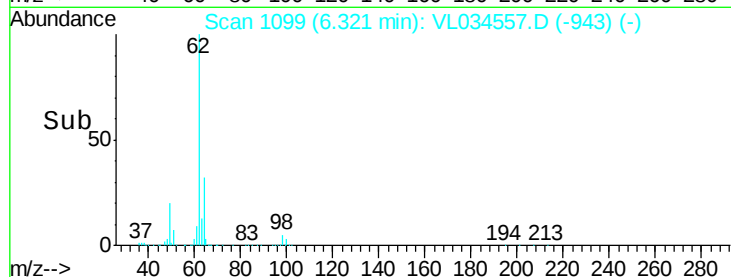
400000

200000

0

6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 10.659 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Tgt Ion:130 Resp: 816392

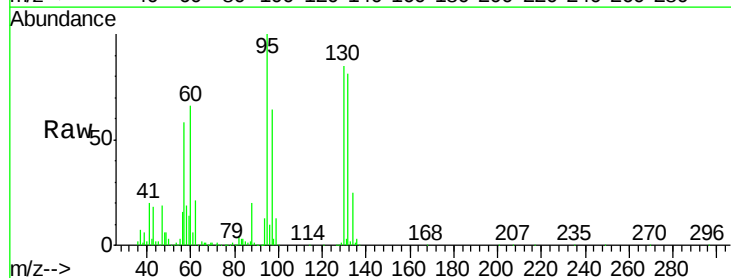
Ion Ratio Lower Upper

130 100

95 117.3 94.2 141.2

132 95.6 76.1 114.1

97 74.7 60.2 90.2



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

600000

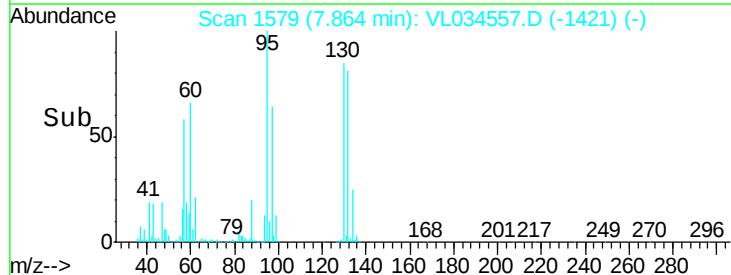
400000

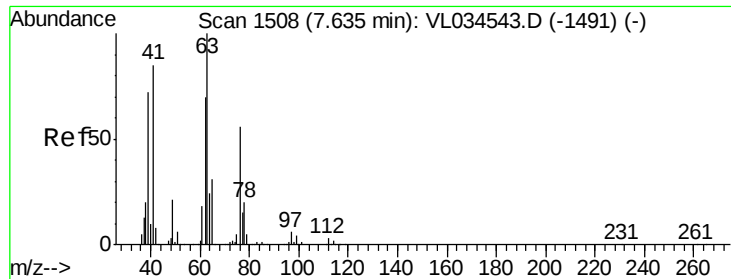
200000

0

7.80 7.85 7.90

Time-->





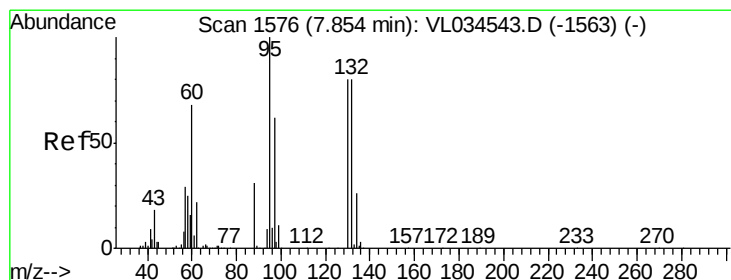
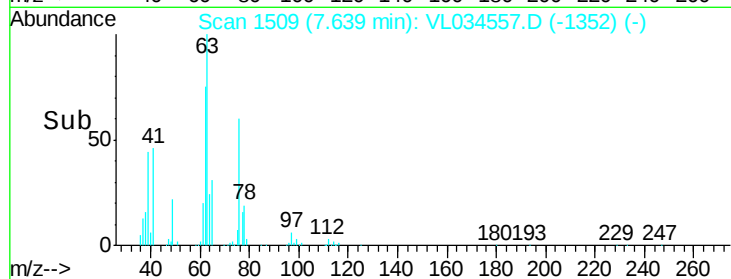
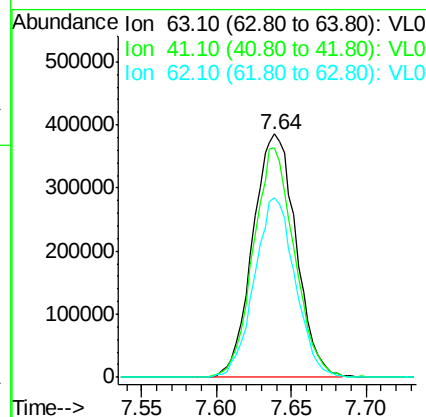
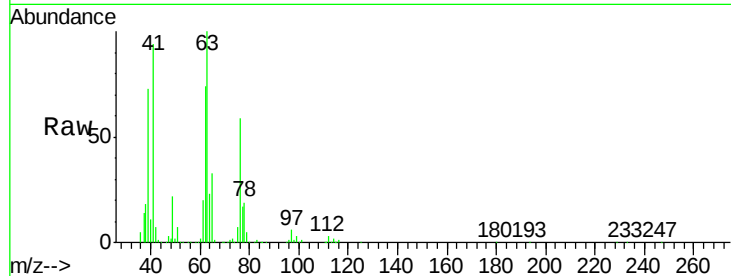
#39
 1,2-Dichloropropane
 Concen: 9.924 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	94.5	66.1	99.1
62	74.0	54.9	82.3

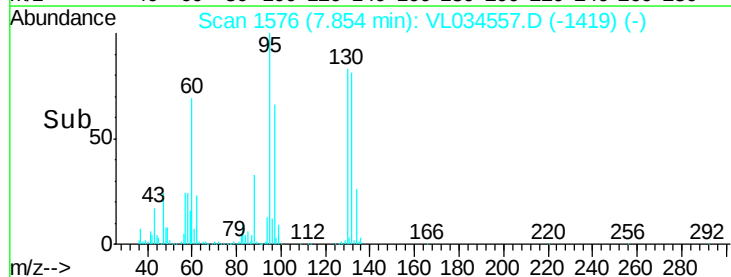
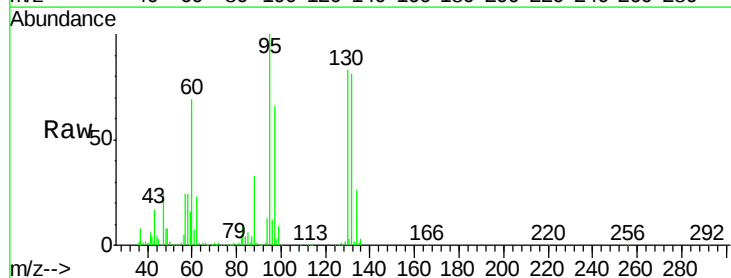
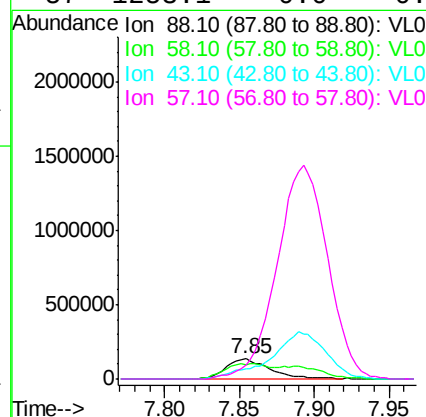
Manual Integrations
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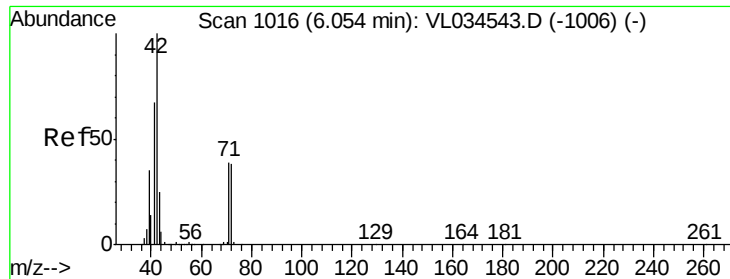
MMDadoda
 1/29/2020 10:26:31 AM



#40
 1,4-Dioxane
 Concen: 8.582 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	142.9	107.9	161.9
43	298.3	0.0	0.0#
57	1253.1	0.0	0.0#





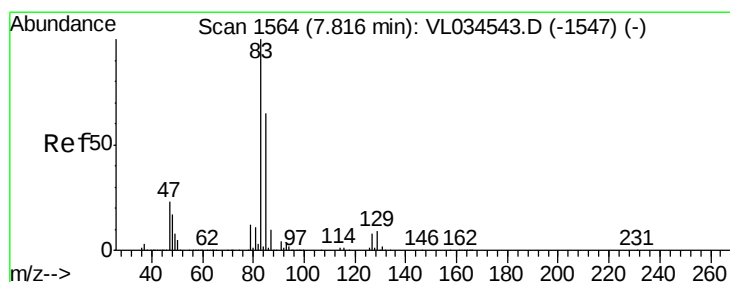
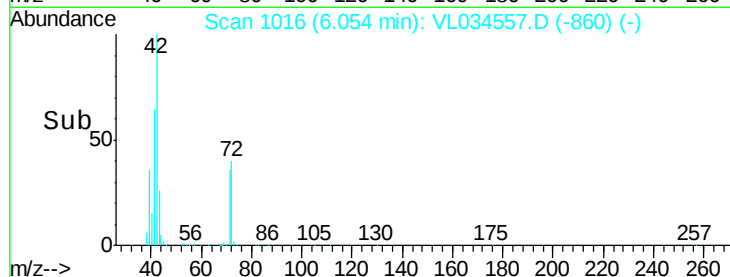
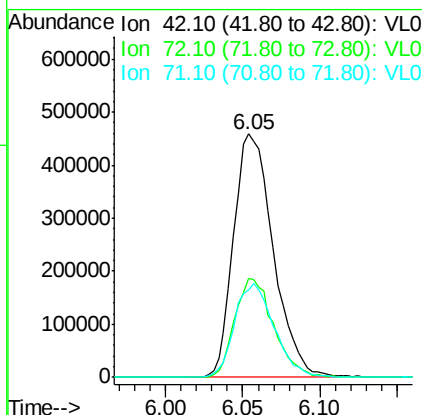
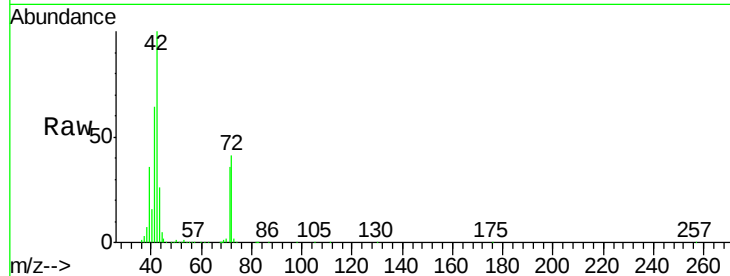
#41
Tetrahydrofuran
Concen: 10.257 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	30.9	46.3
71	38.6	28.9	43.3

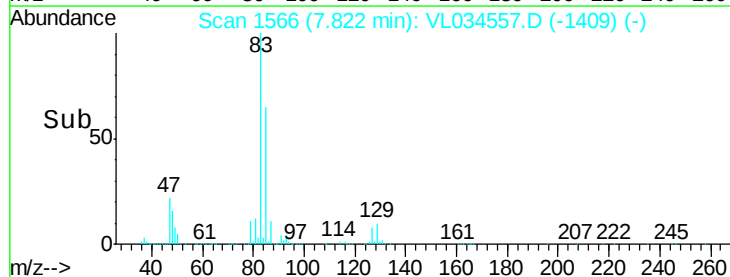
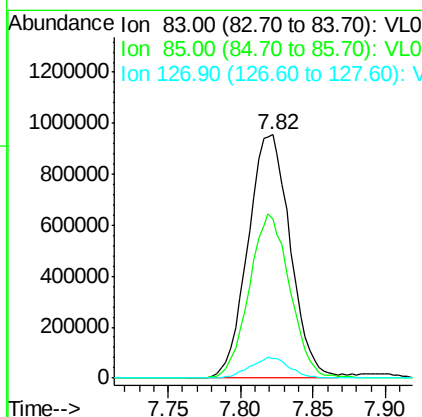
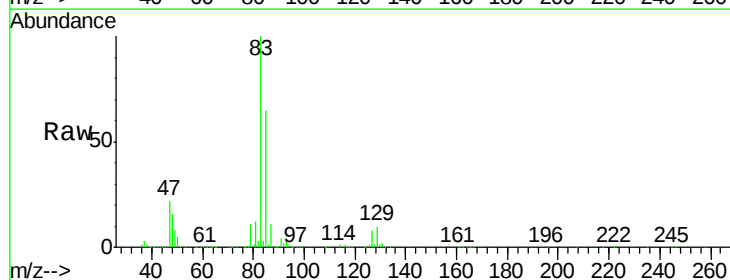
Manual Integrations
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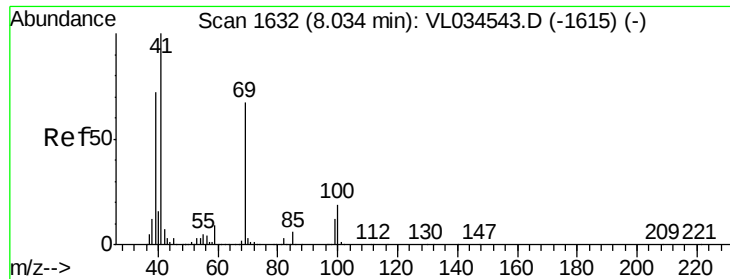
MMDadoda
1/29/2020 10:26:31 AM



#42
Bromodichloromethane
Concen: 10.229 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	49.4	74.2
127	8.2	6.2	9.4





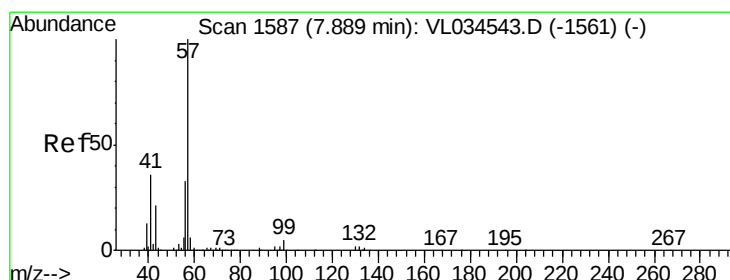
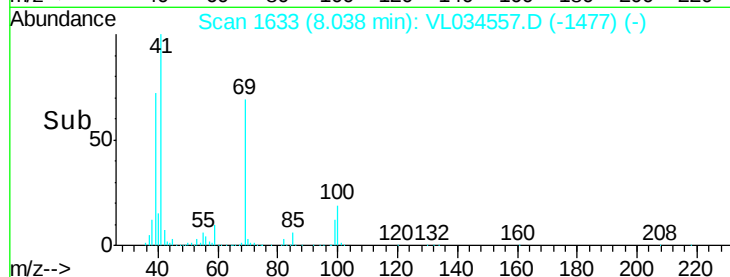
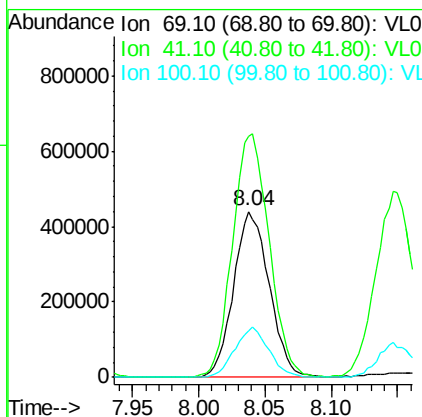
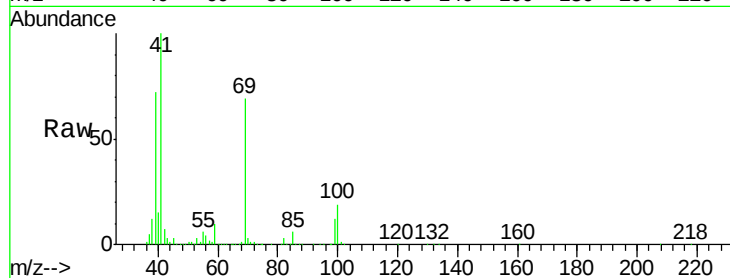
#43
Methvl Methacrylate
Concen: 10.659 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.0	124.0	186.0	
100	28.9	23.1	34.7	

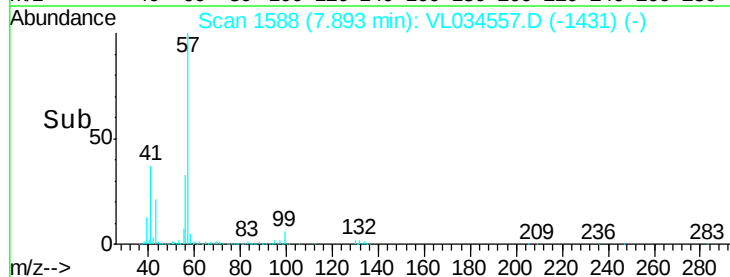
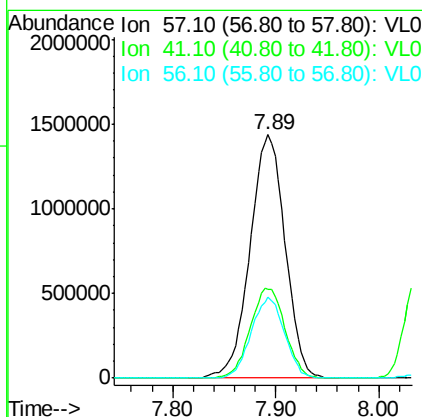
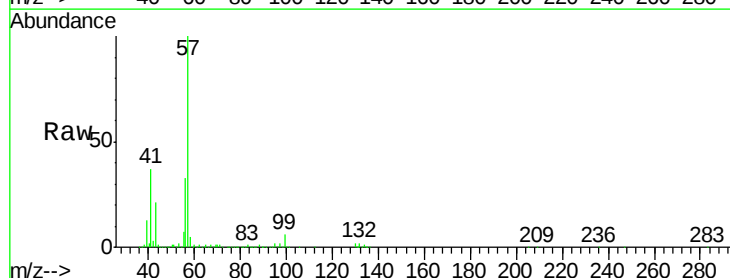
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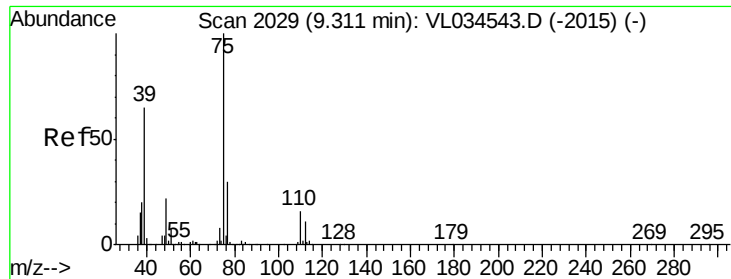
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.667 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	36.6	29.0	43.4	
56	31.6	24.9	37.3	





#45

t-1,3-Dichloropropene

Concen: 11.908 ppbv

RT: 9.31 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1186345

Ion Ratio Lower Upper

75 100

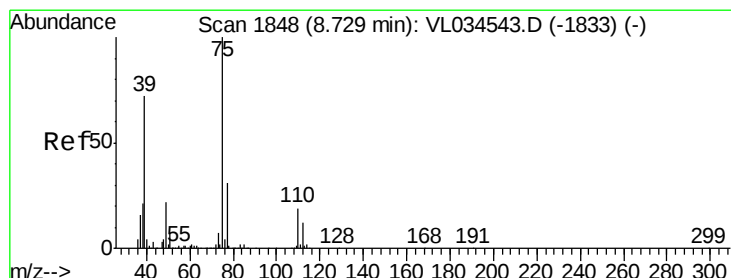
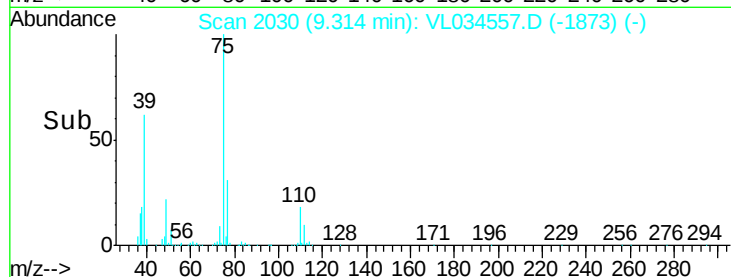
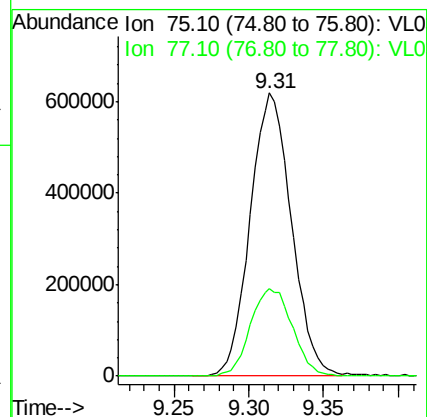
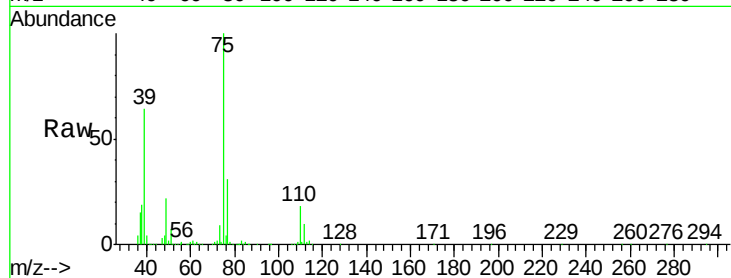
77 30.8 24.2 36.2

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#46

cis-1,3-Dichloropropene

Concen: 11.355 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

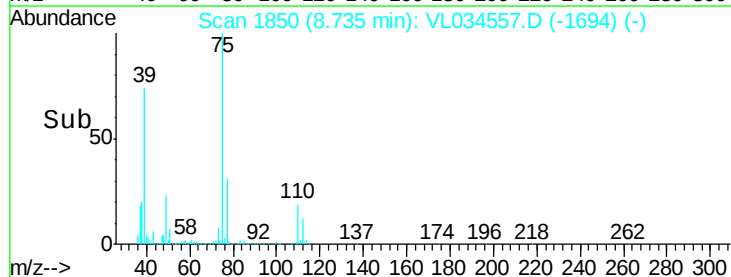
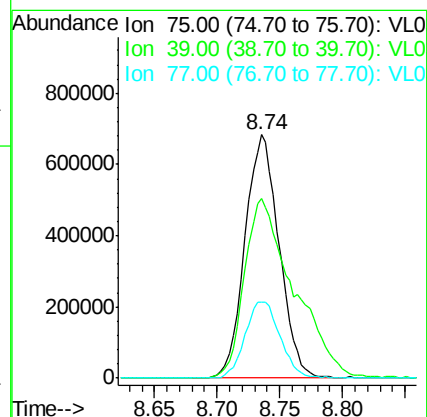
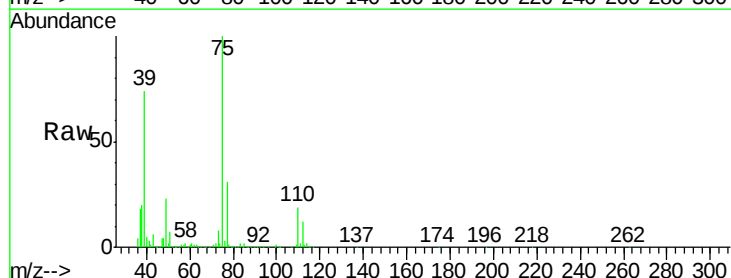
Tgt Ion: 75 Resp: 1293156

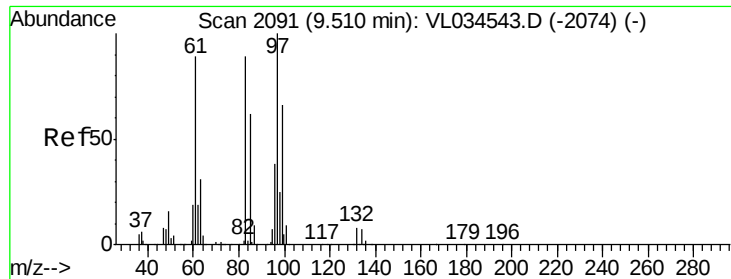
Ion Ratio Lower Upper

75 100

39 73.8 60.5 90.7

77 31.1 24.8 37.2





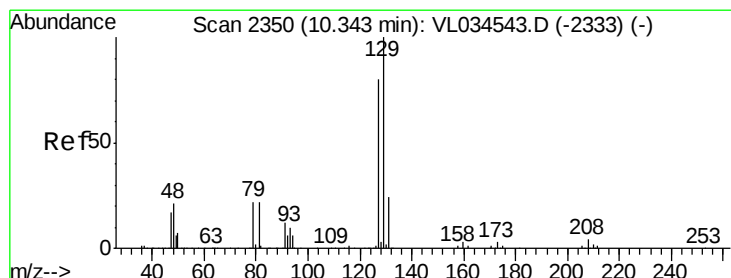
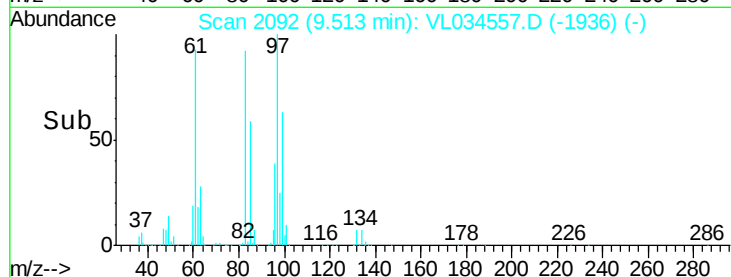
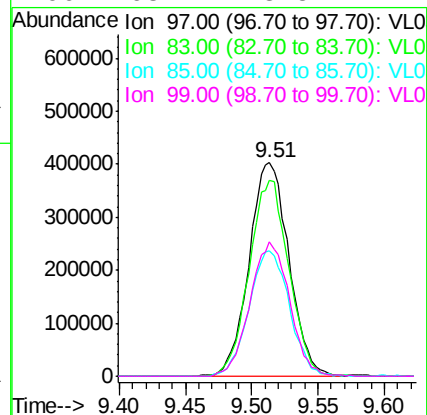
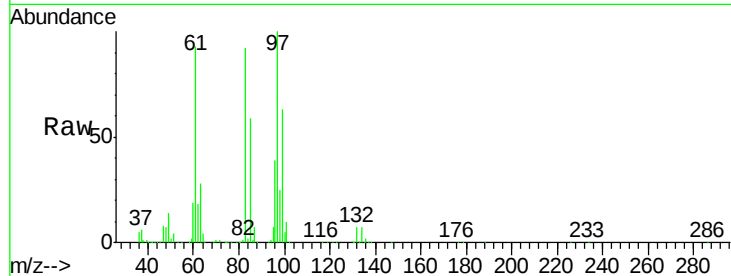
#47
 1,1,2-Trichloroethane
 Concen: 9.808 ppbv
 RT: 9.51 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.9	75.0	112.4	
85	58.9	48.2	72.4	
99	63.1	48.5	72.7	

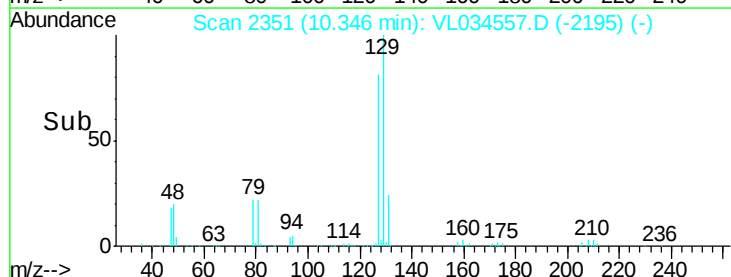
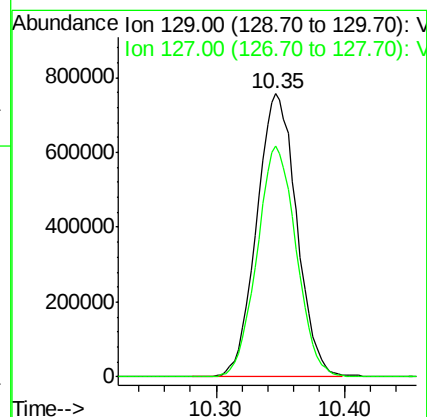
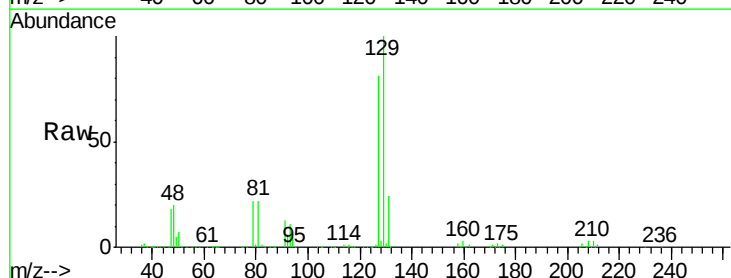
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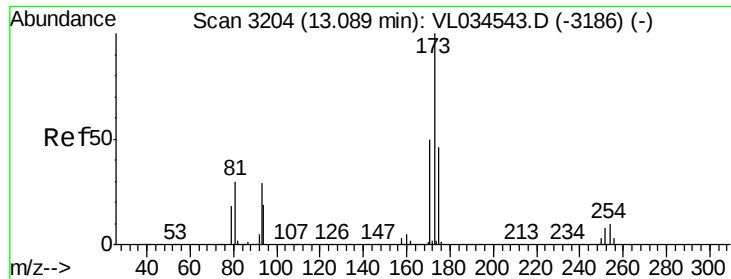
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#48
 Dibromochloromethane
 Concen: 10.947 ppbv
 RT: 10.35 min Scan# 2351
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.3	39.4	118.2	





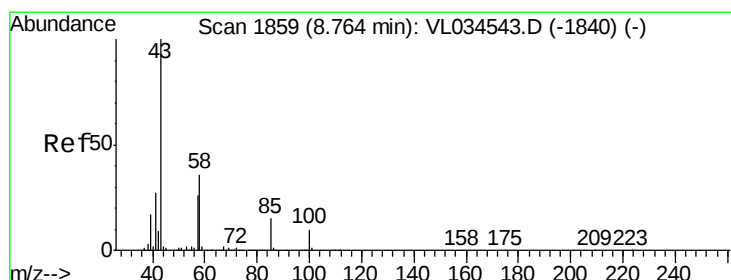
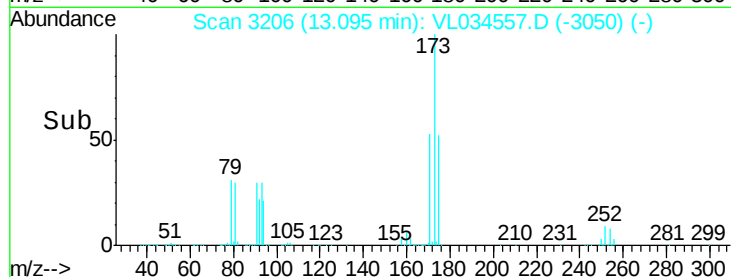
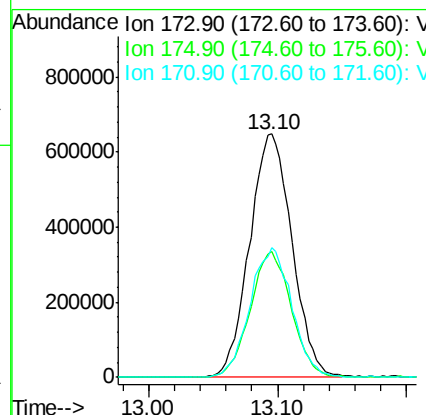
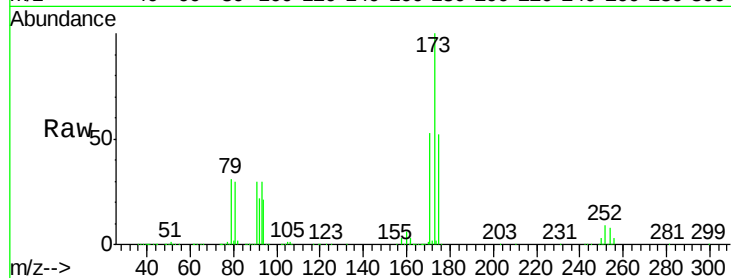
#49
Bromoform
Concen: 10.994 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1482928
Ion Ratio Lower Upper
173 100
175 50.7 39.8 59.8
171 53.0 42.1 63.1

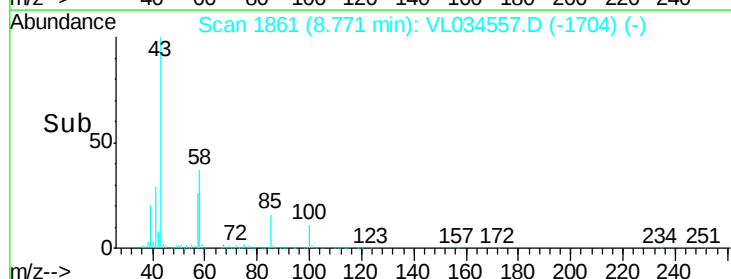
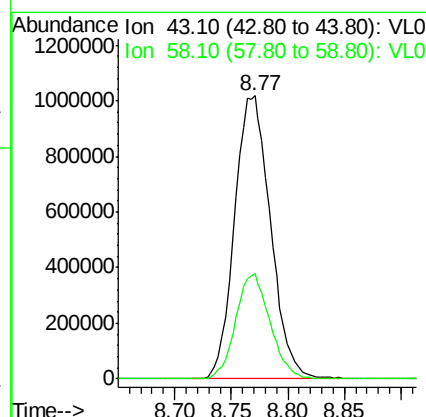
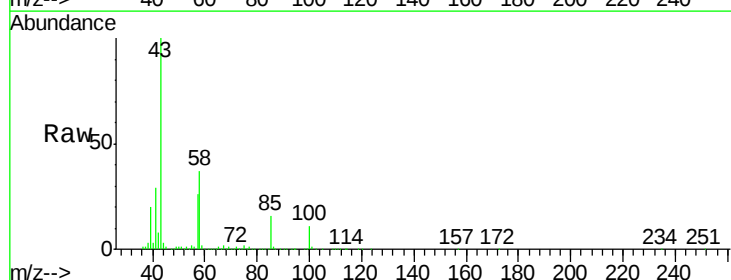
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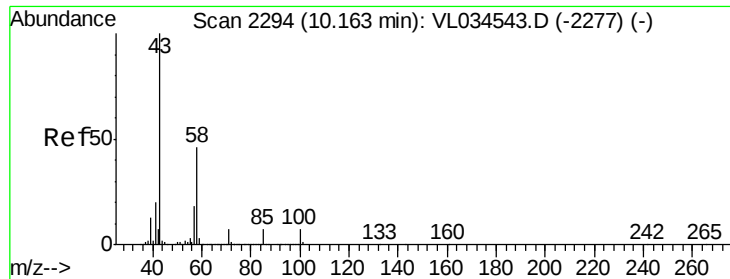
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#50
4-Methyl-2-Pentanone
Concen: 9.970 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 43 Resp: 2249533
Ion Ratio Lower Upper
43 100
58 35.5 28.2 42.2





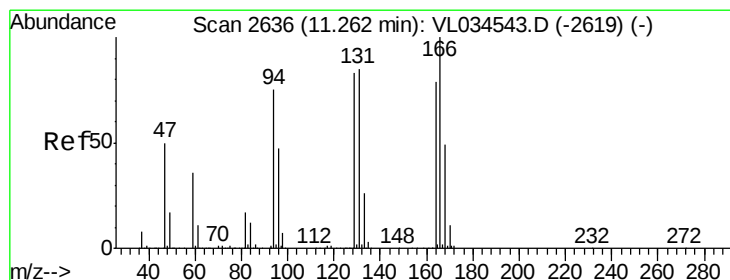
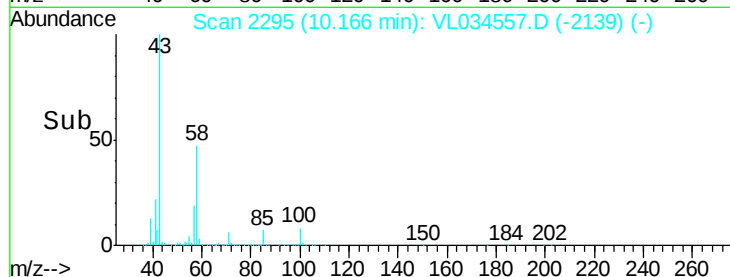
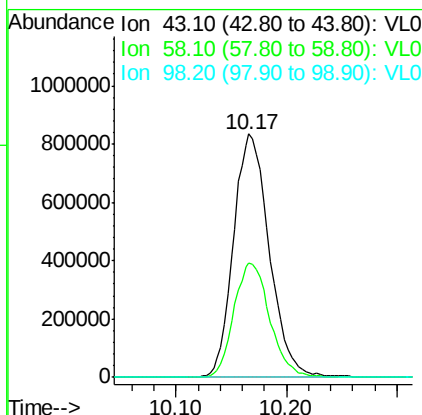
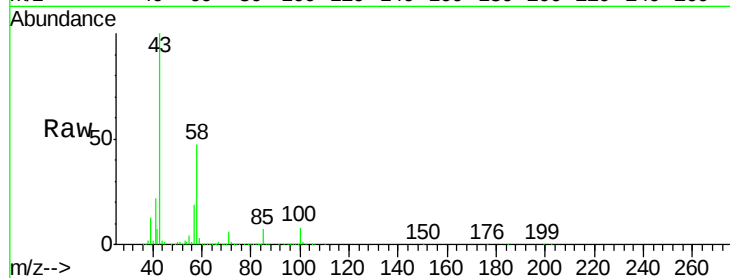
#51
2-Hexanone
Concen: 10.291 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1874401
Ion Ratio Lower Upper
43 100
58 47.0 37.4 56.0
98 0.3 0.2 0.2#

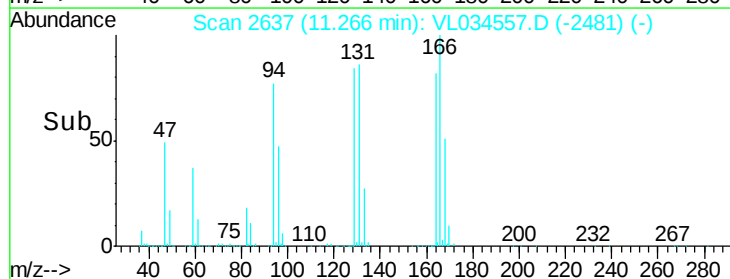
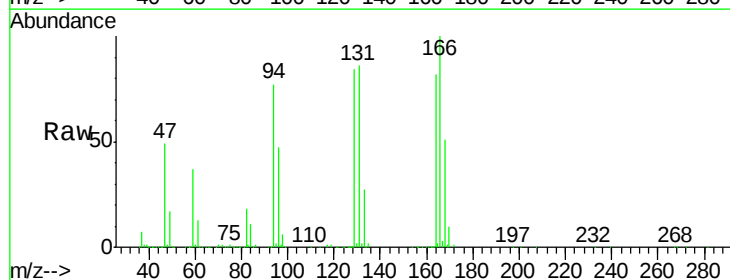
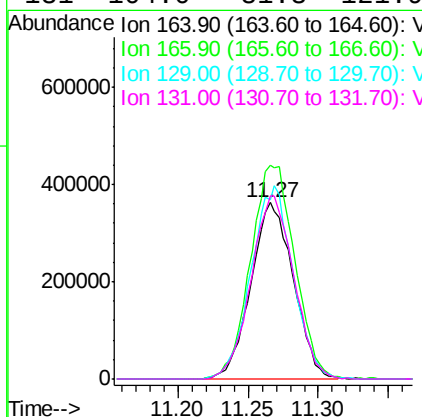
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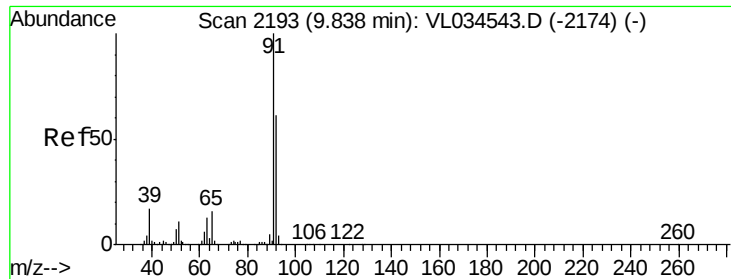
MMDadoda
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#52
Tetrachloroethene
Concen: 10.305 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion:164 Resp: 762464
Ion Ratio Lower Upper
164 100
166 121.2 95.7 143.5
129 101.8 82.2 123.2
131 104.0 81.3 121.9





#53

Toluene

Concen: 10.774 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2244236

Ion Ratio Lower Upper

91 100

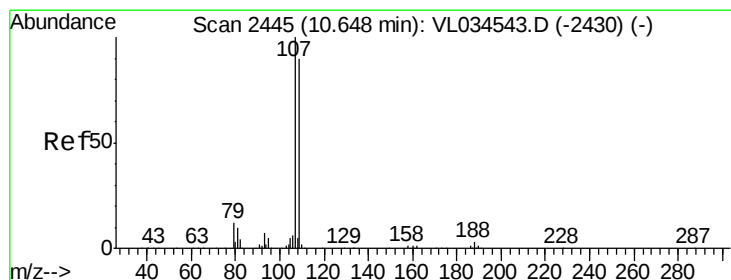
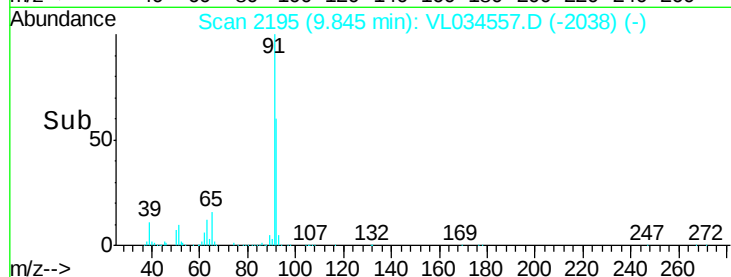
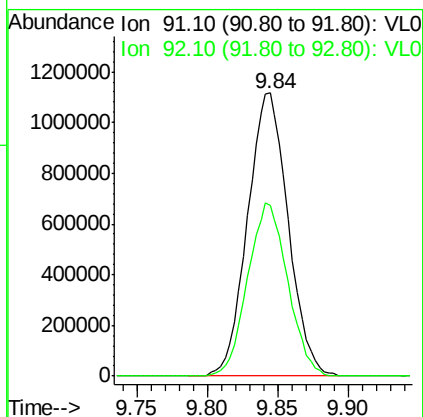
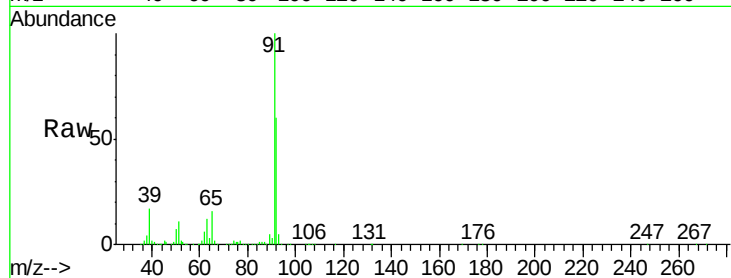
92 60.6 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.438 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. -0.00 min

Lab File: VL034557.D

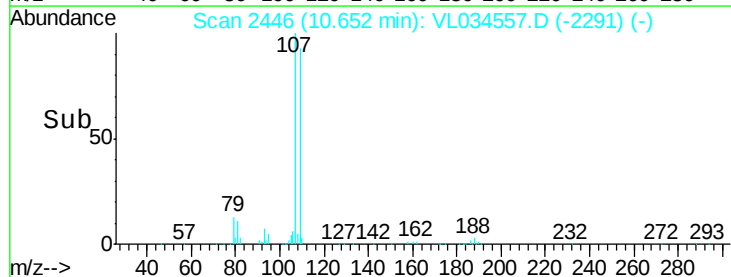
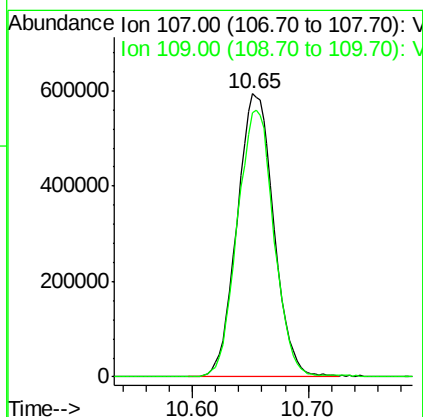
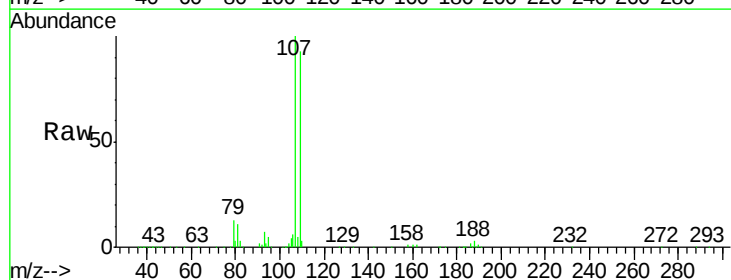
Acq: 27 Jan 2020 10:31

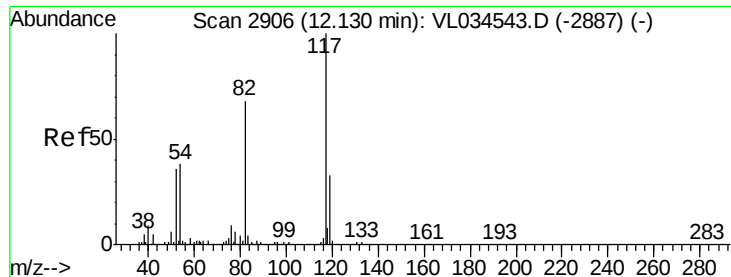
Tgt Ion: 107 Resp: 1305485

Ion Ratio Lower Upper

107 100

109 93.4 75.5 113.3





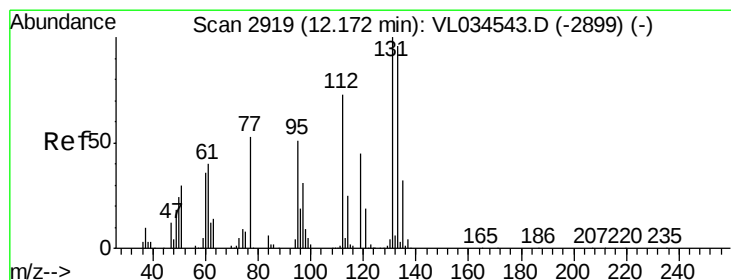
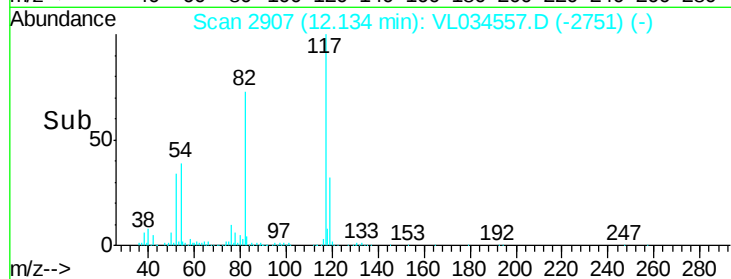
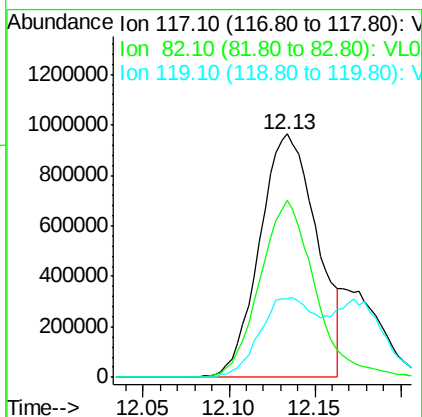
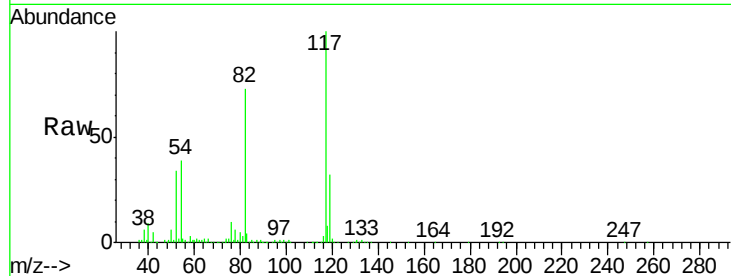
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2224056
Ion Ratio Lower Upper
117 100
82 70.4 56.2 84.4
119 35.5 27.1 40.7

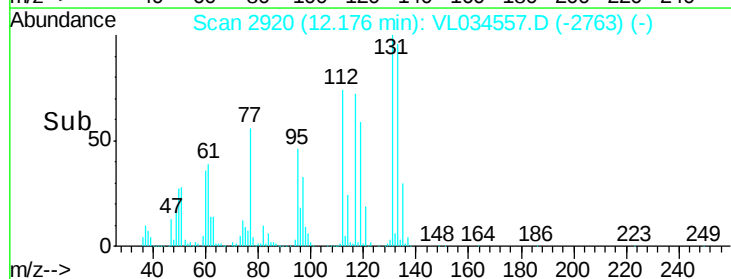
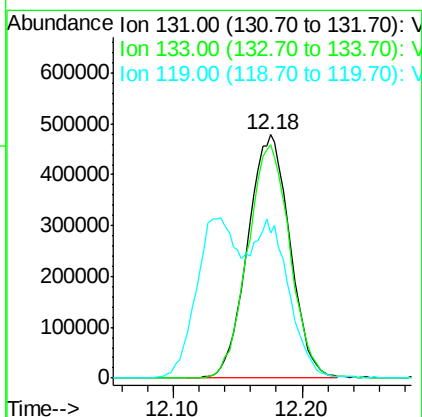
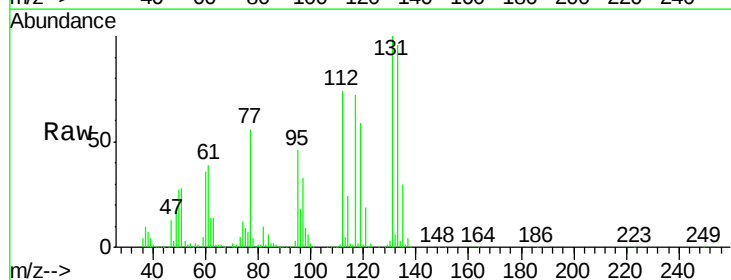
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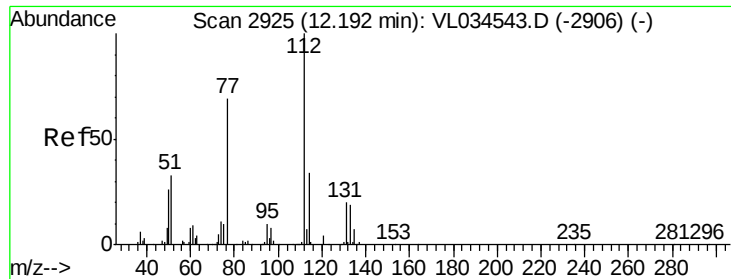
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.174 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion:131 Resp: 1092312
Ion Ratio Lower Upper
131 100
133 96.2 76.2 114.2
119 60.8 47.1 70.7





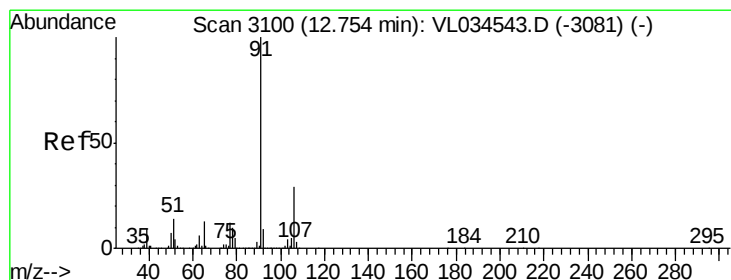
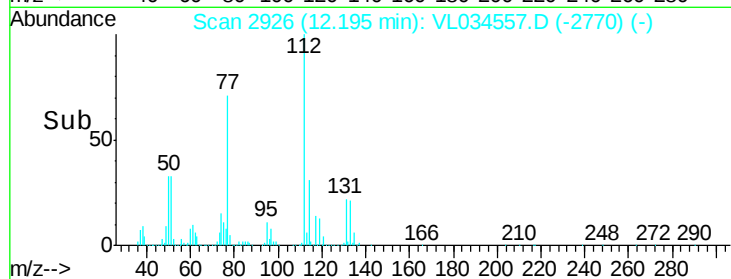
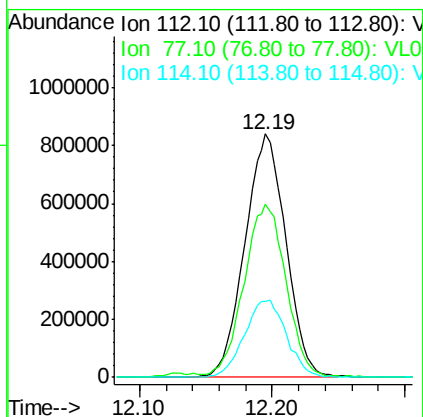
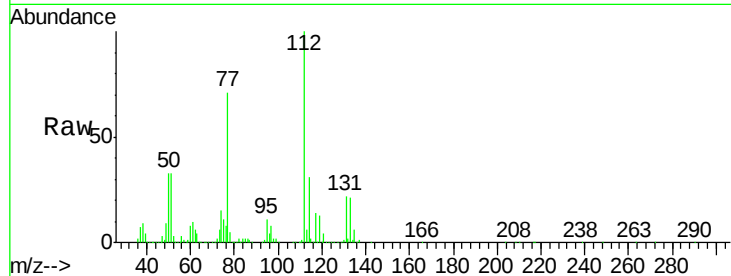
#57
Chlorobenzene
Concen: 9.812 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 1800349
Ion Ratio Lower Upper
112 100
77 70.8 57.4 86.0
114 31.3 28.4 34.8

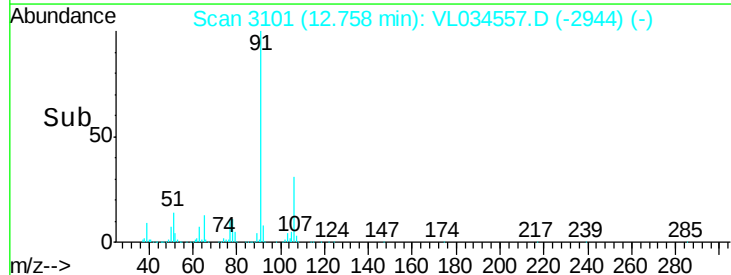
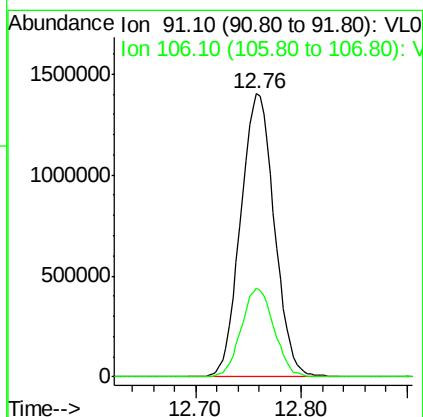
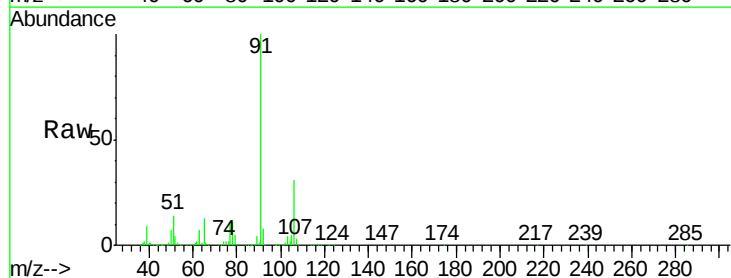
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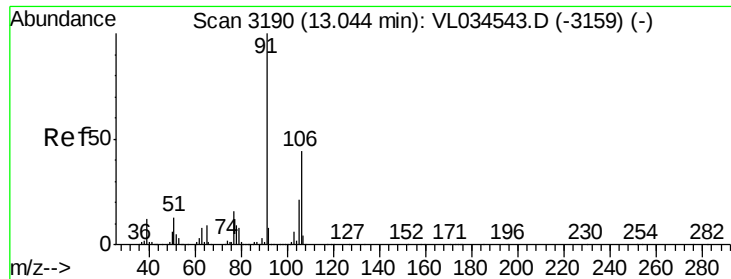
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#58
Ethyl Benzene
Concen: 10.391 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 91 Resp: 3116824
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8





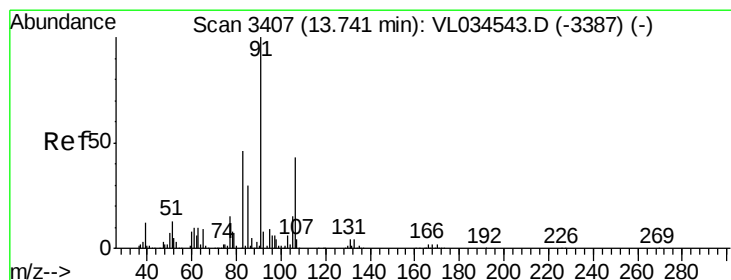
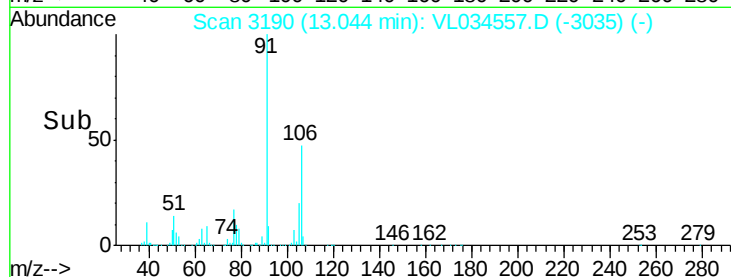
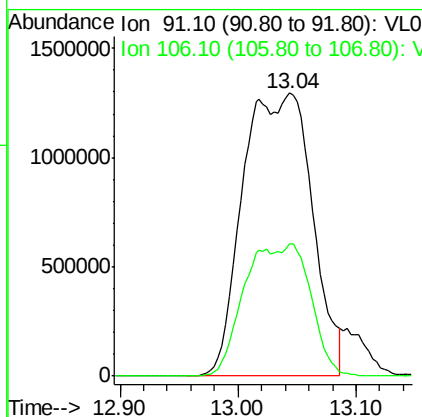
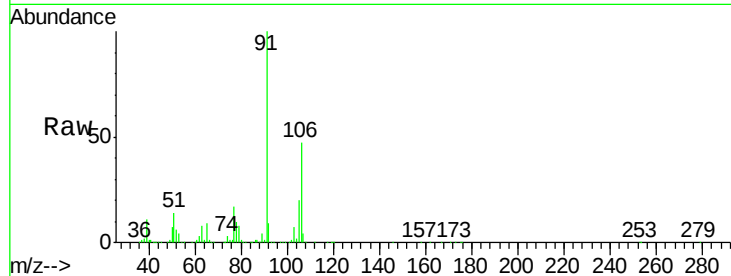
#59
m/p-Xylene
Concen: 20.163 ppbv m
RT: 13.04 min Scan# 3190
Delta R.T. -0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5288594
Ion Ratio Lower Upper
91 100
106 44.7 35.6 53.4

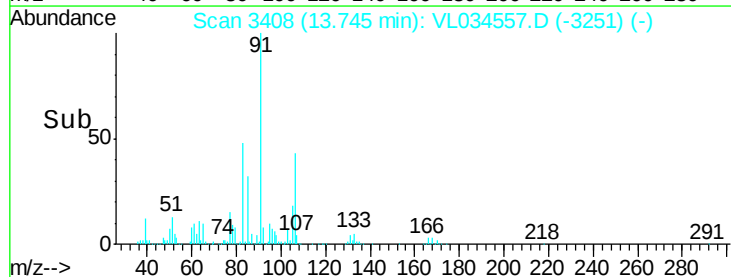
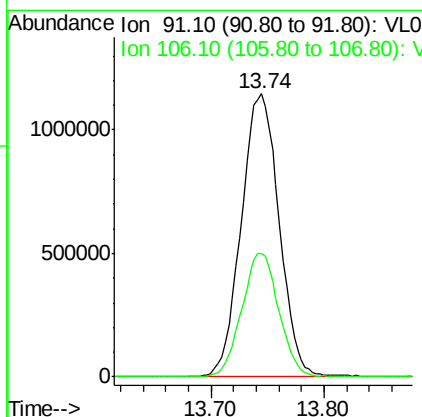
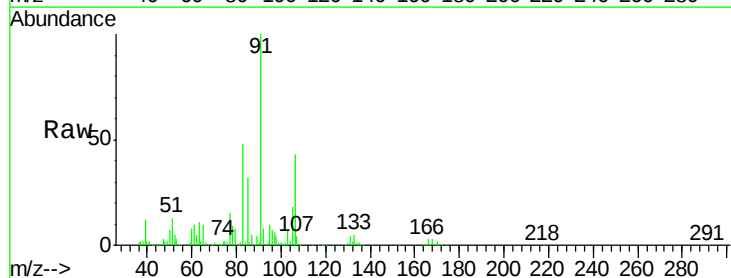
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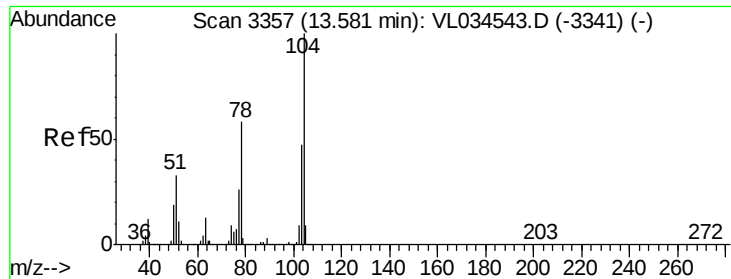
MMDadoda
1/29/2020 10:26:31 AM



#60
o-Xylene
Concen: 10.126 ppbv
RT: 13.74 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion: 91 Resp: 2664985
Ion Ratio Lower Upper
91 100
106 43.0 21.4 64.3





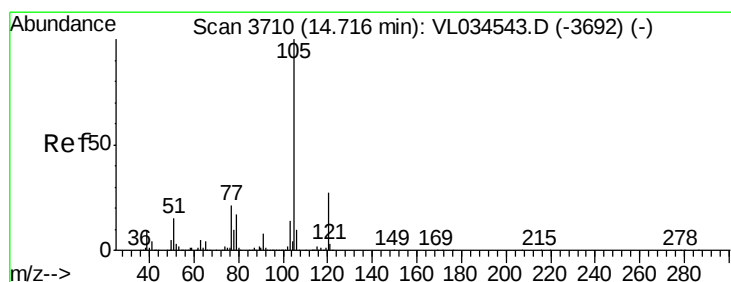
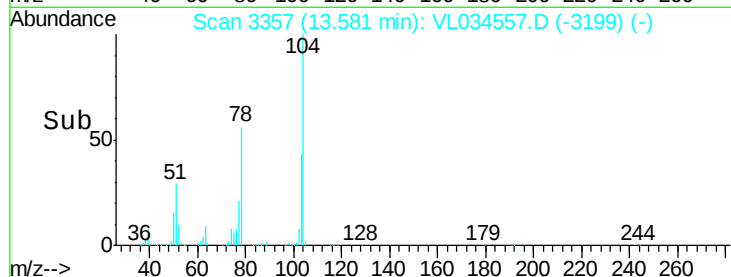
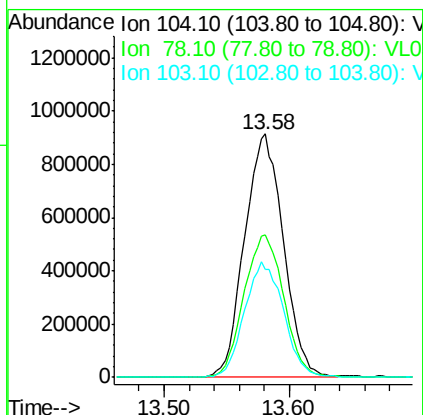
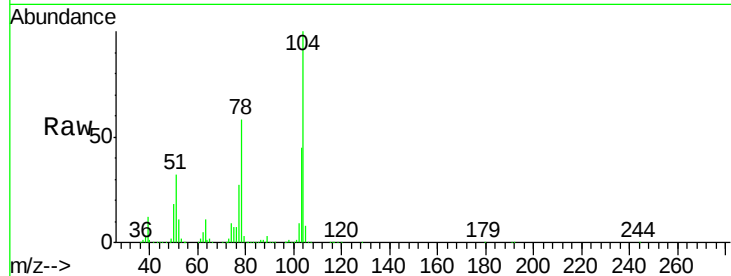
#61
Stvrene
Concen: 10.930 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. 0.01 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.1	47.7	71.5
103	47.9	38.6	58.0

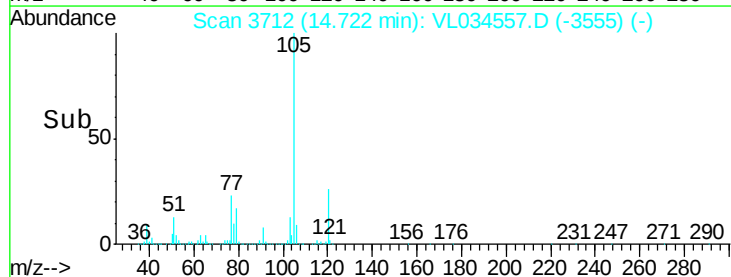
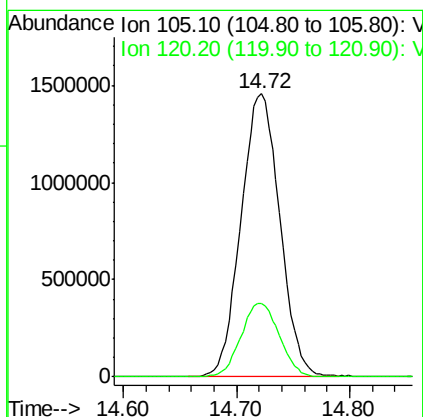
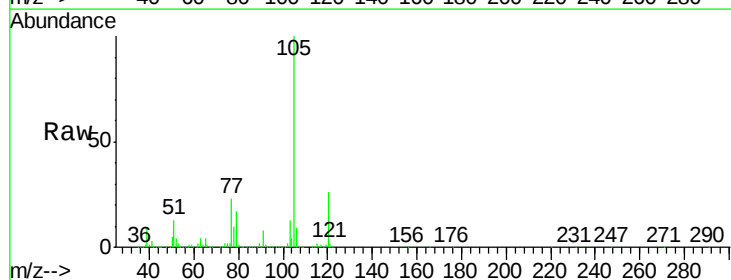
Manual Integrations
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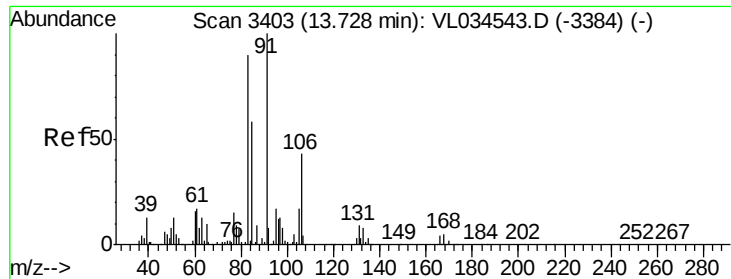
MMDadoda
1/29/2020 10:26:31 AM



#62
Isopropylbenzene
Concen: 10.111 ppbv
RT: 14.72 min Scan# 3712
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.6	30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.904 ppbv

RT: 13.73 min Scan# 3404

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1879922

Ion Ratio Lower Upper

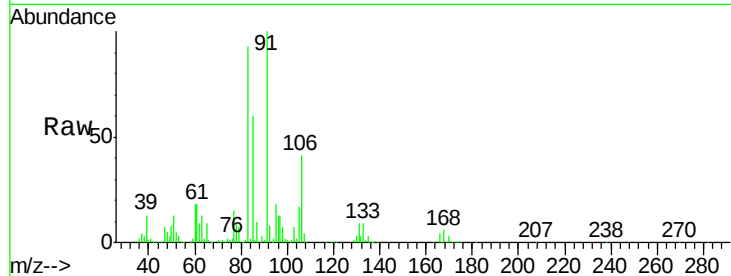
83 100

131 10.1 4.8 14.4

85 66.5 32.5 97.4

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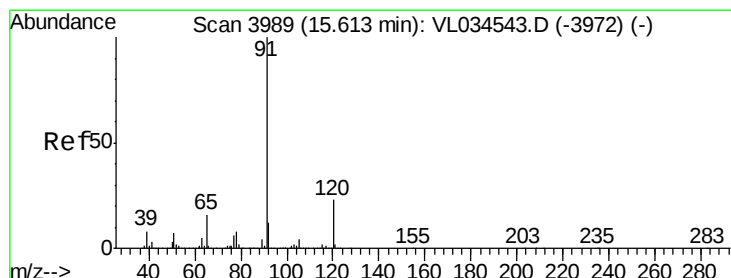
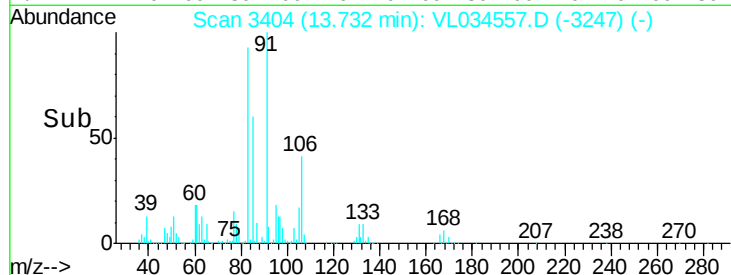
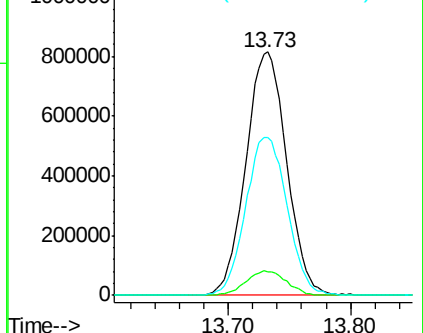
MMDadoda
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.297 ppbv

RT: 15.62 min Scan# 3991

Delta R.T. 0.00 min

Lab File: VL034557.D

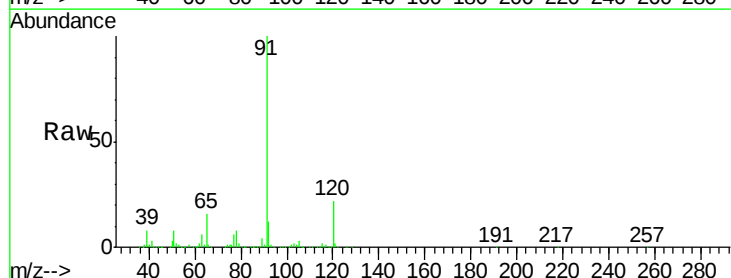
Acq: 27 Jan 2020 10:31

Tgt Ion: 120 Resp: 905220

Ion Ratio Lower Upper

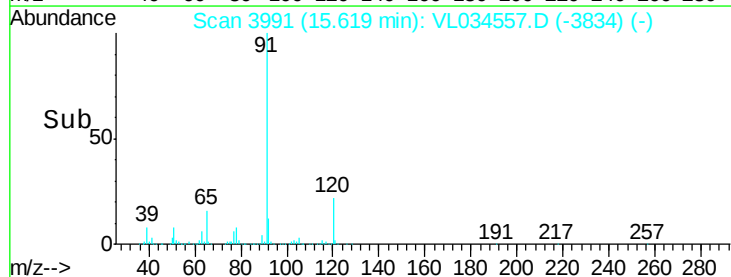
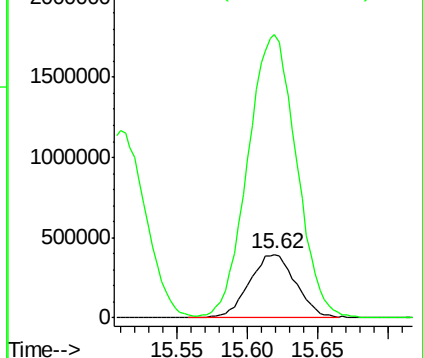
120 100

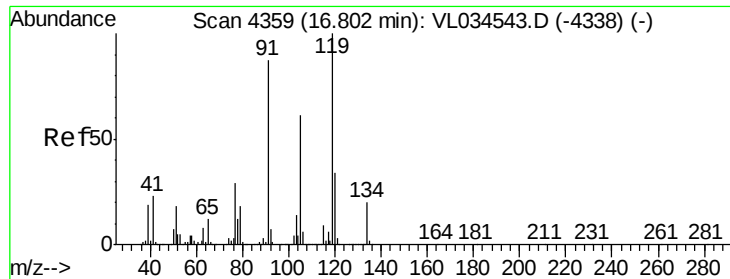
91 470.1 375.6 563.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.186 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3168257

Ion Ratio Lower Upper

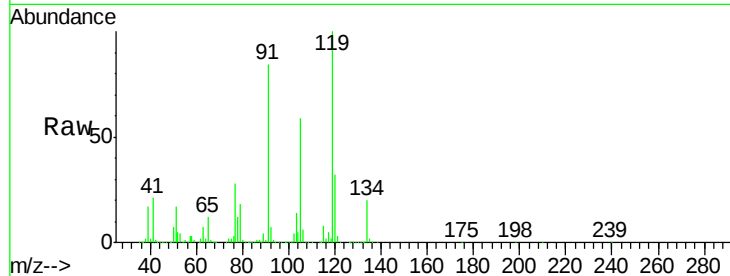
119 100

91 89.8 72.0 108.0

134 19.9 16.1 24.1

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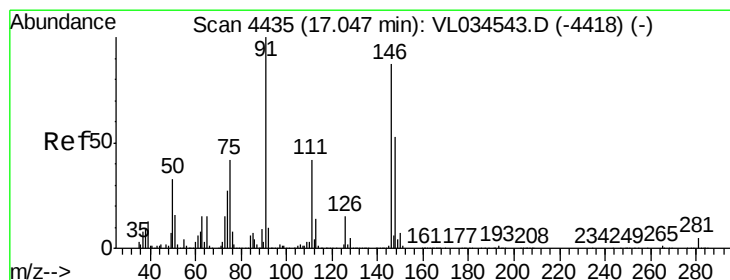
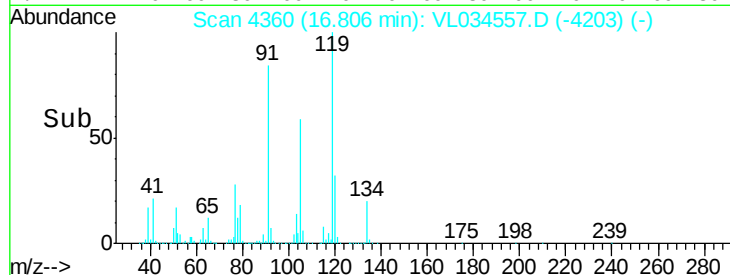
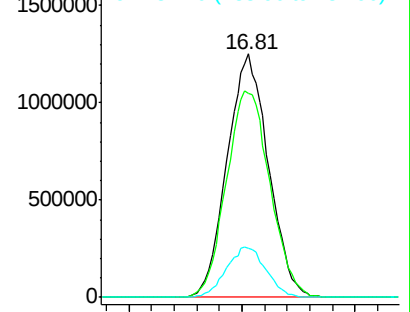
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.169 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.01 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

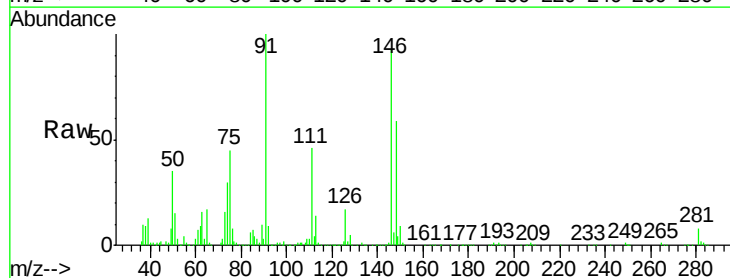
Tgt Ion: 91 Resp: 1658820

Ion Ratio Lower Upper

91 100

126 16.9 13.1 19.7

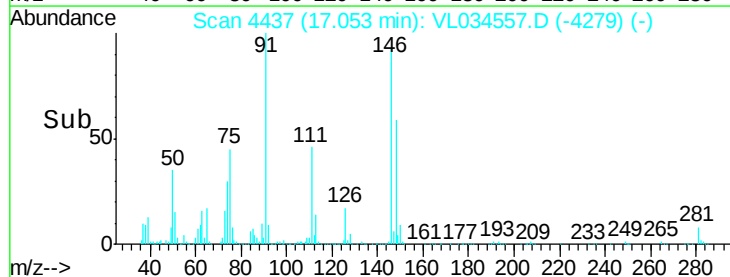
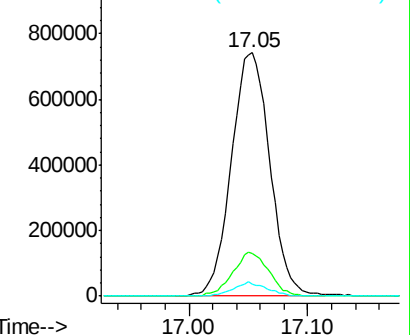
128 5.1 4.2 6.4

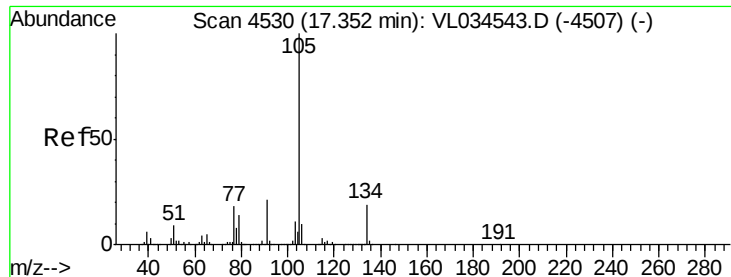


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





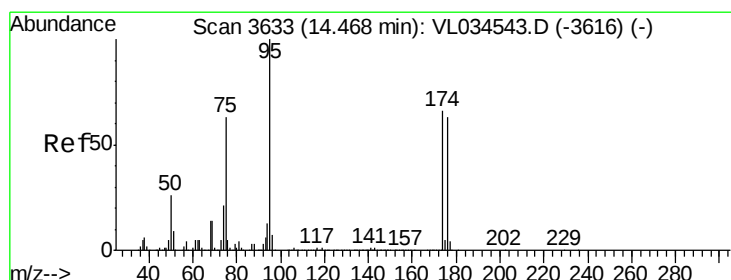
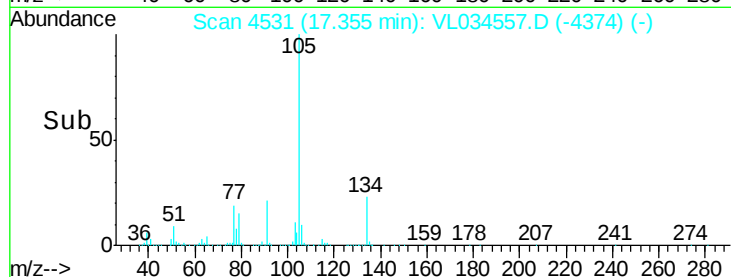
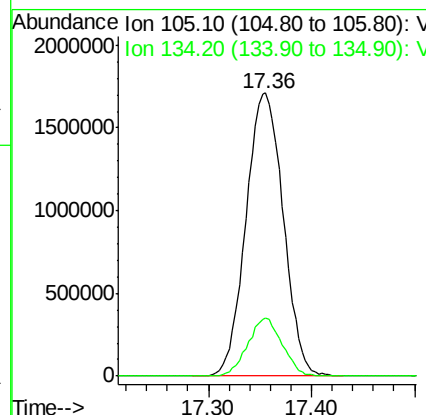
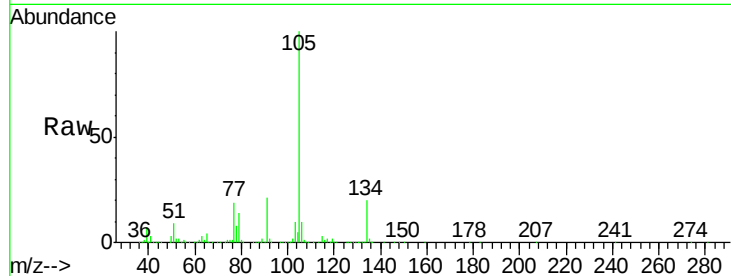
#67
 sec-Butylbenzene
 Concen: 9.837 ppbv
 RT: 17.36 min Scan# 4531
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 105 Resp: 4296656
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.1 22.7

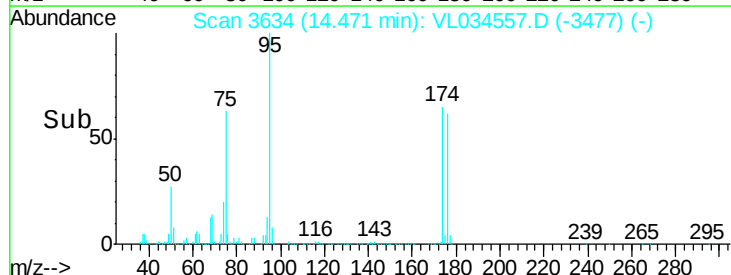
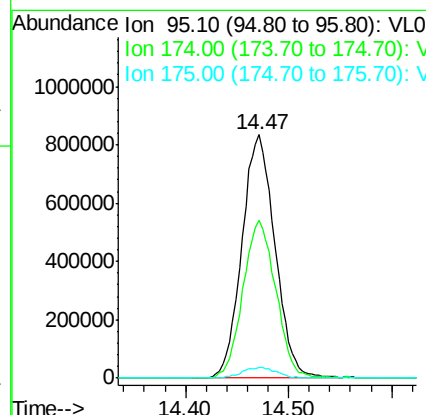
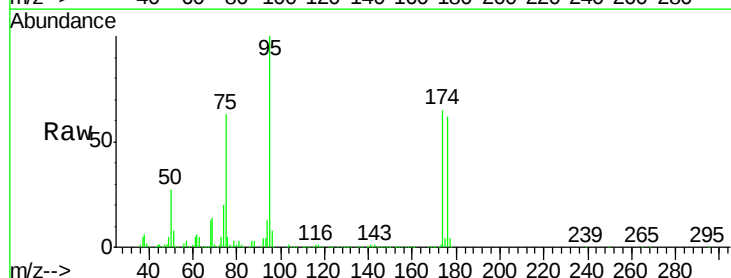
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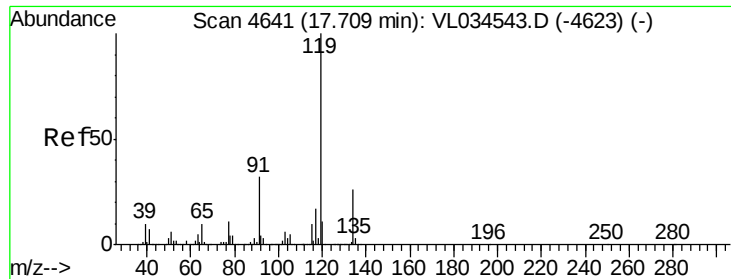
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.051 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion: 95 Resp: 1865256
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.4 78.6
 175 4.6 3.9 5.9





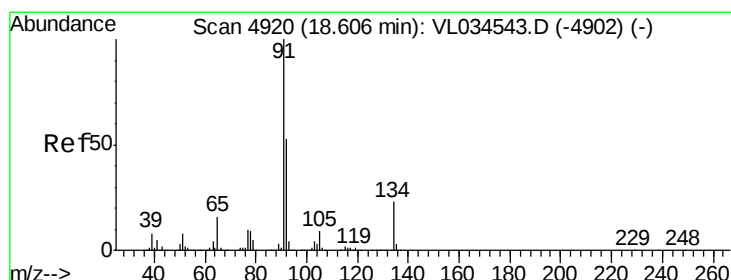
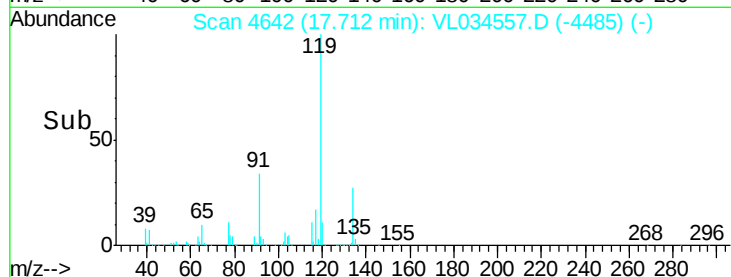
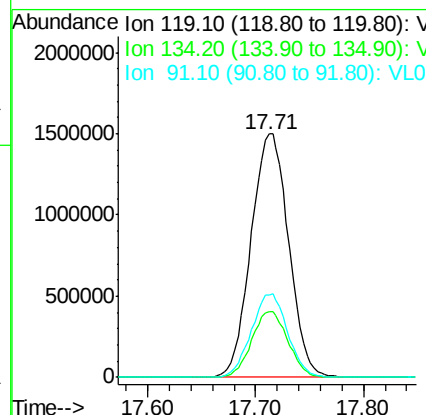
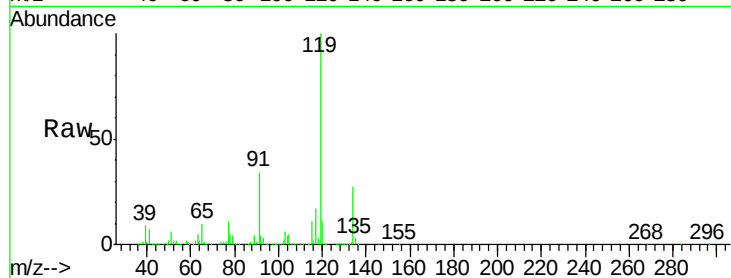
#69
 p-Isopropyltoluene
 Concen: 10.220 ppbv
 RT: 17.71 min Scan# 4642
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.7	31.1
91	33.5	26.6	39.8

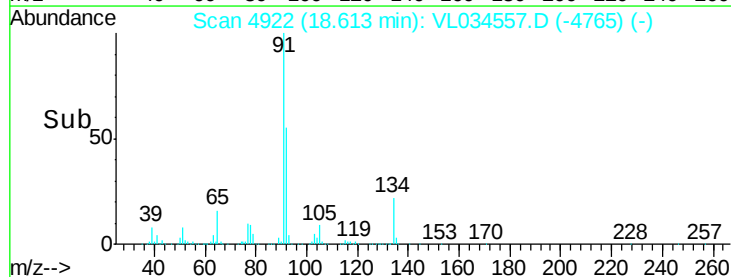
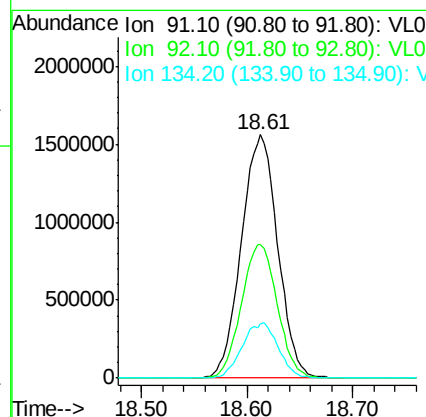
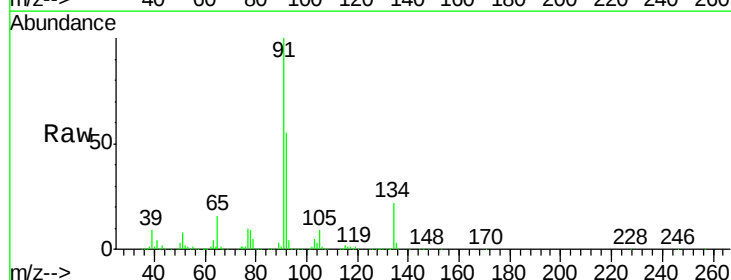
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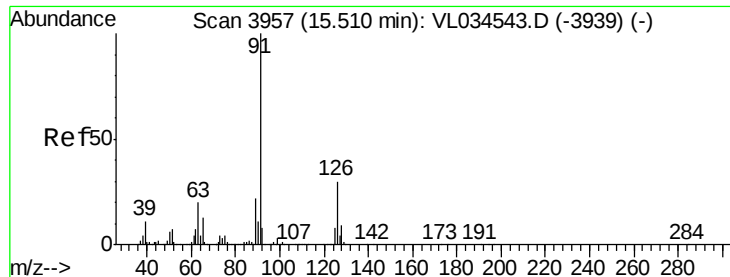
MMDadoda
 1/29/2020 10:26:31 AM



#70
 n-Butylbenzene
 Concen: 9.767 ppbv
 RT: 18.61 min Scan# 4922
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.8	65.6
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.099 ppbv

RT: 15.51 min Scan# 3957

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2700019

Ion Ratio Lower Upper

91 100

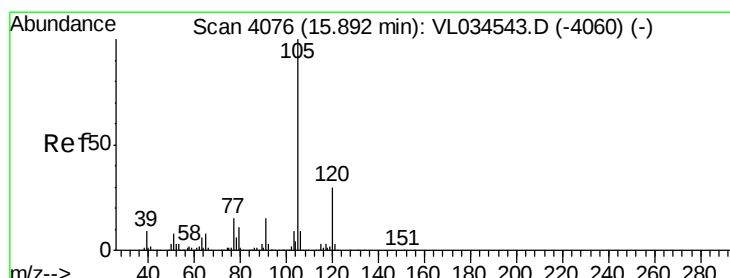
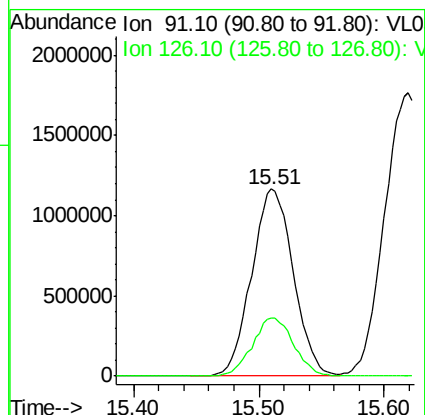
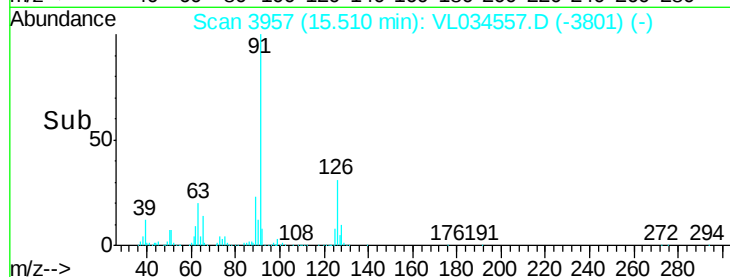
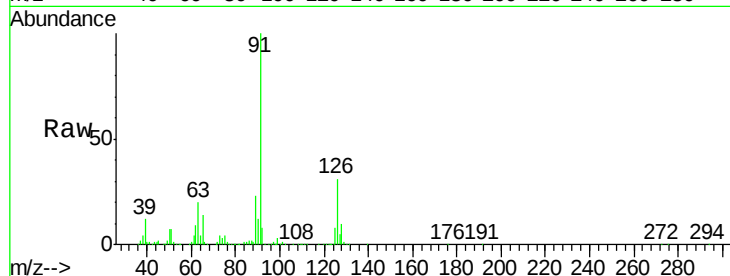
126 30.6 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 10.435 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Tgt Ion: 105 Resp: 3073315

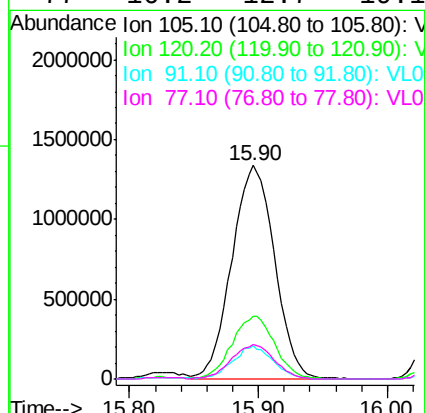
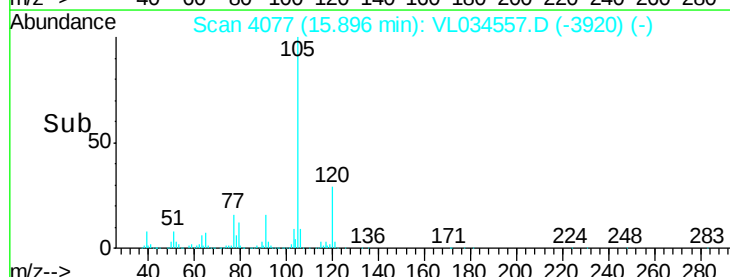
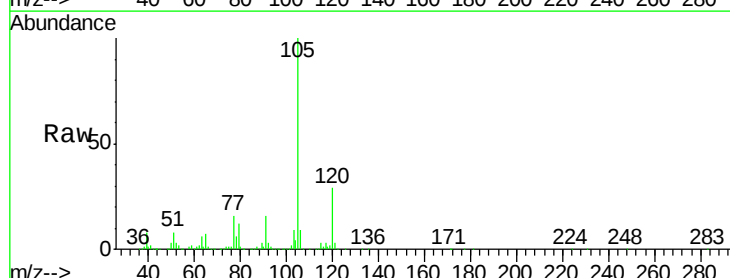
Ion Ratio Lower Upper

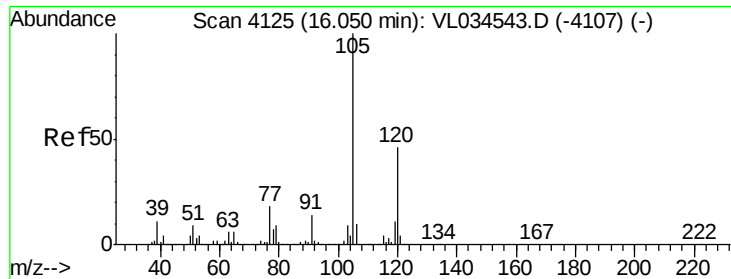
105 100

120 29.6 23.7 35.5

91 14.6 11.5 17.3

77 16.2 12.7 19.1





#73

1,3,5-Trimethylbenzene

Concen: 10.135 ppbv

RT: 16.05 min Scan# 4126

Delta R.T. 0.00 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2928465

Ion Ratio Lower Upper

105 100

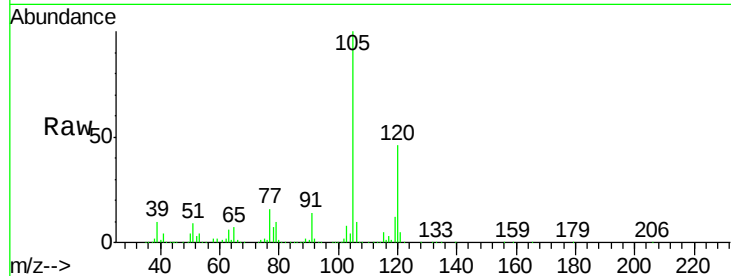
120 45.9 34.6 52.0

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.05

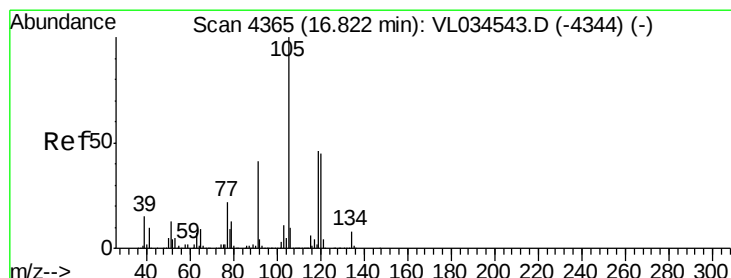
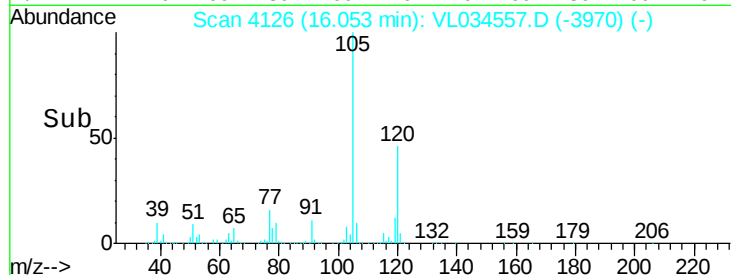
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.869 ppbv

RT: 16.82 min Scan# 4366

Delta R.T. 0.01 min

Lab File: VL034557.D

Acq: 27 Jan 2020 10:31

Tgt Ion:105 Resp: 3050565

Ion Ratio Lower Upper

105 100

120 46.3 36.7 55.1

91 45.0 44.0 66.0

77 24.9 19.9 29.9

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

2000000

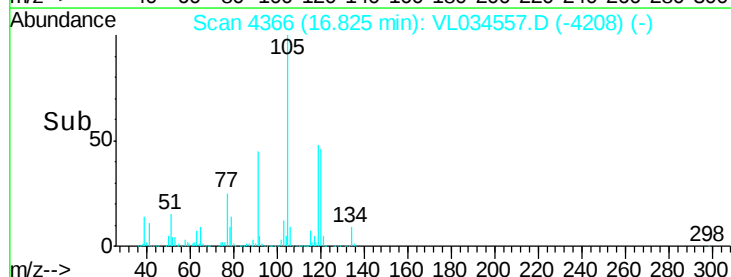
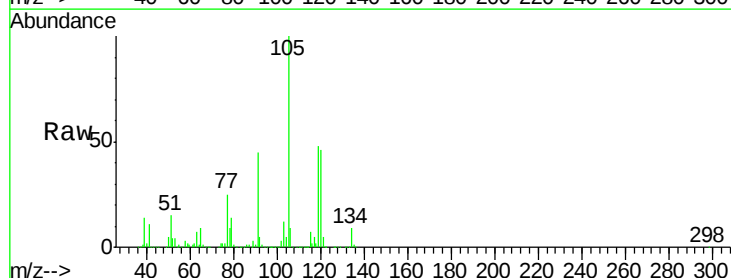
1500000

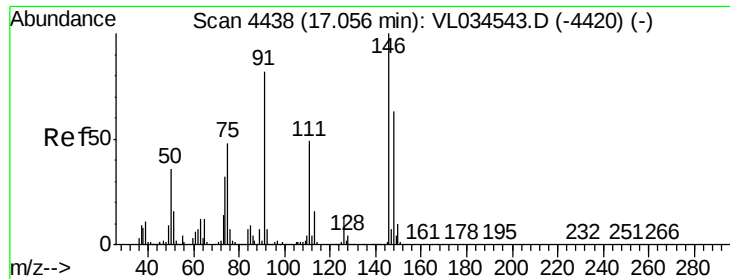
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500000

0

Time-->





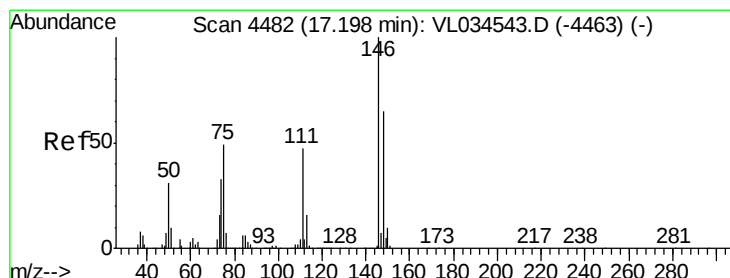
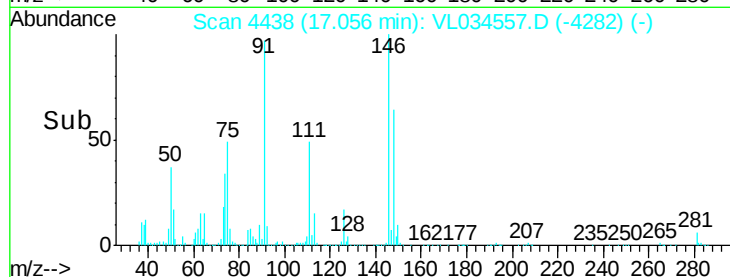
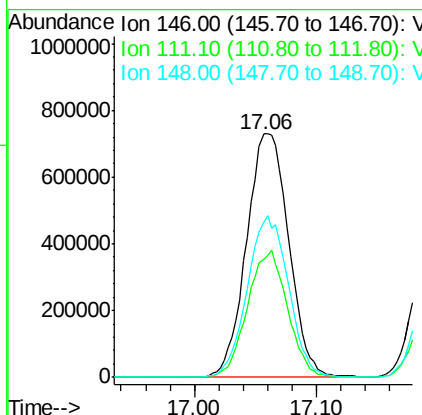
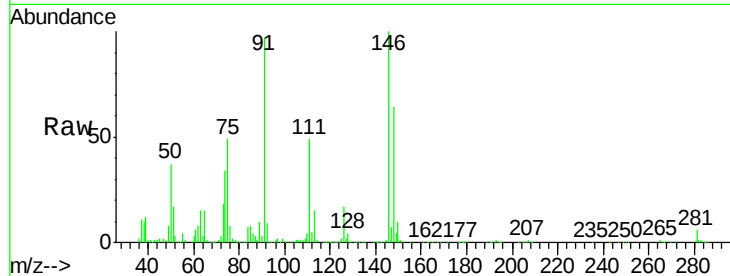
#75
 1,3-Dichlorobenzene
 Concen: 9.425 ppbv
 RT: 17.06 min Scan# 4438
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1744942
 Ion Ratio Lower Upper
 146 100
 111 49.5 25.1 75.3
 148 64.8 33.0 99.0

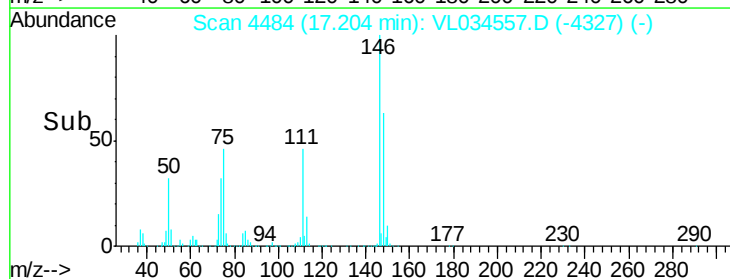
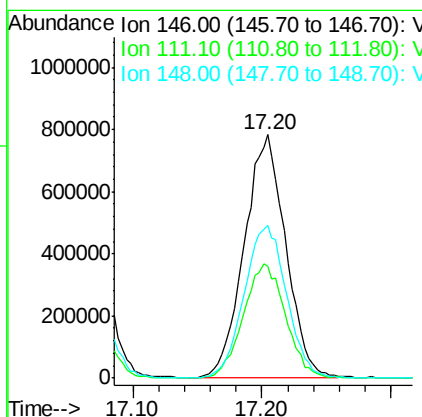
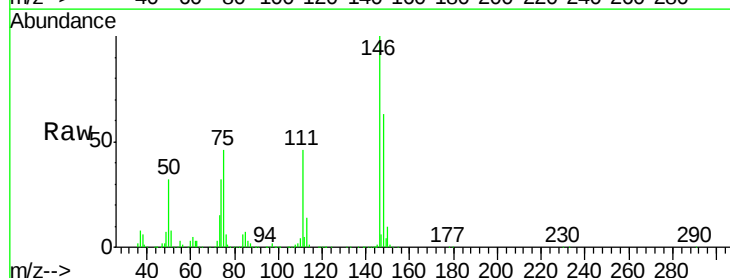
Manual Integrations
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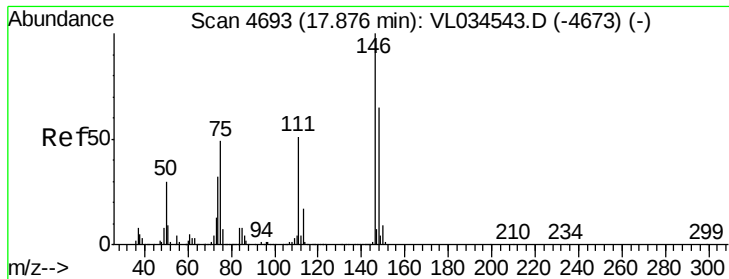
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#76
 1,4-Dichlorobenzene
 Concen: 9.754 ppbv
 RT: 17.20 min Scan# 4484
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion:146 Resp: 1738653
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.5 70.6
 148 65.1 32.1 96.3





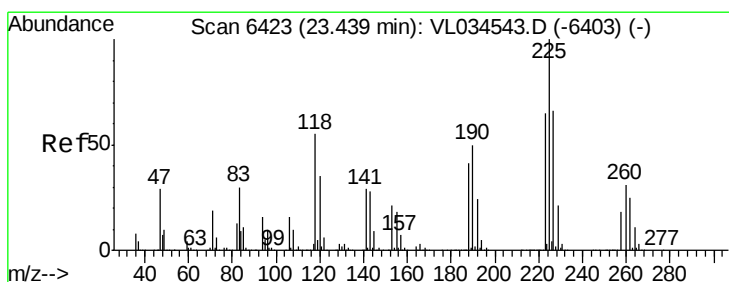
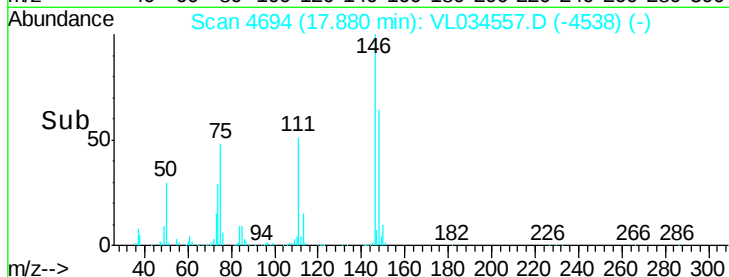
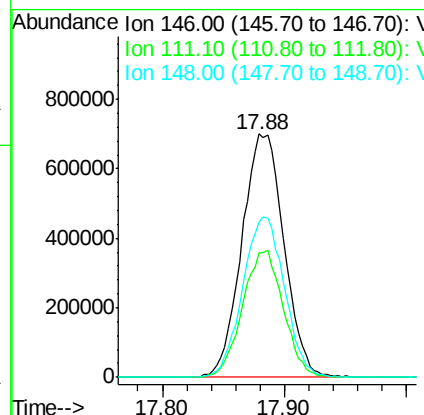
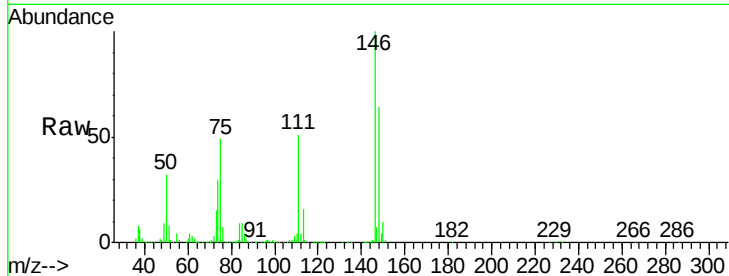
#77
 1,2-Dichlorobenzene
 Concen: 9.592 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1668816
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.3 75.8
 148 65.7 32.1 96.3

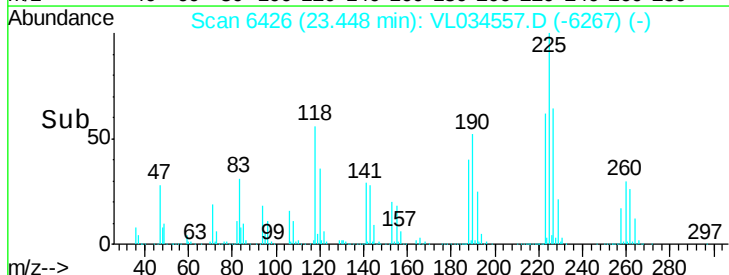
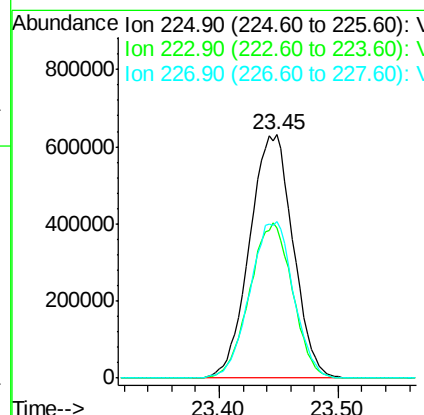
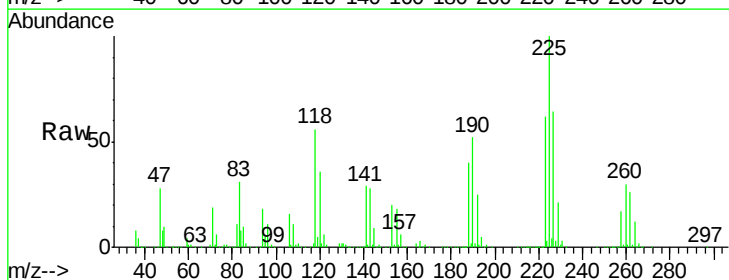
Manual Integrations
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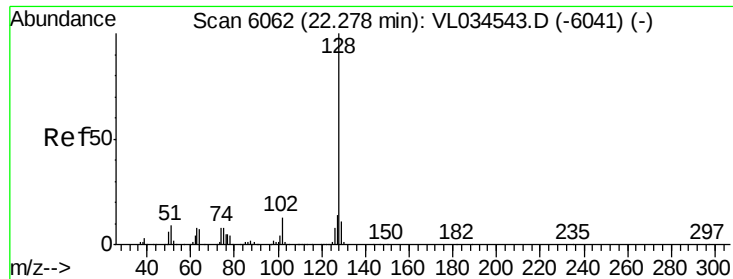
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.650 ppbv
 RT: 23.45 min Scan# 6426
 Delta R.T. 0.01 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Tgt Ion:225 Resp: 1593693
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.0 76.6
 227 64.6 51.8 77.6





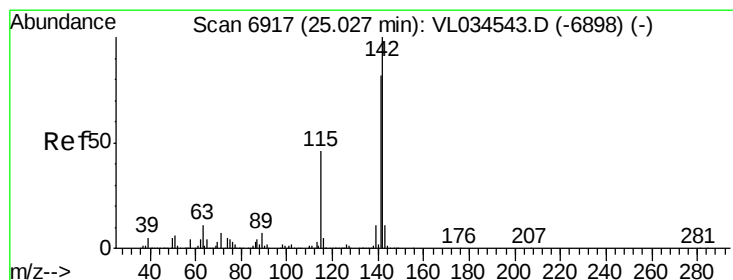
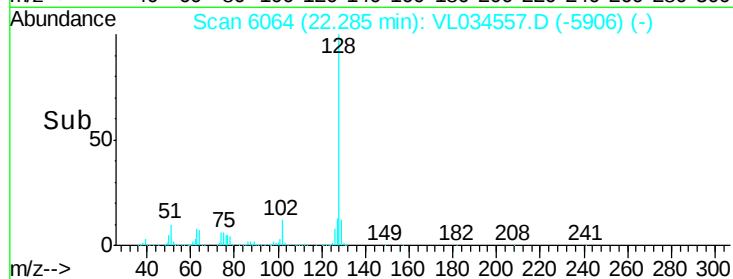
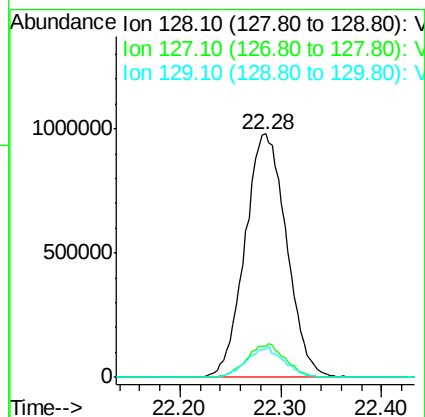
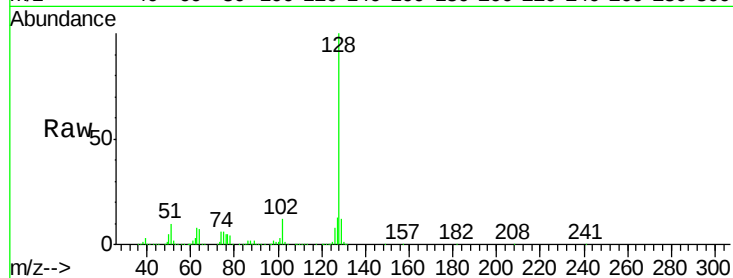
#79
Naphthalene
Concen: 12.013 ppbv
RT: 22.28 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.7	8.7	13.1

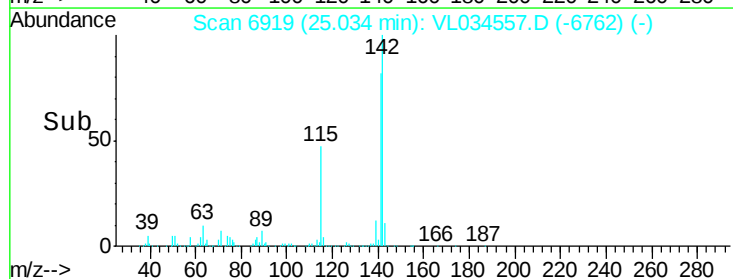
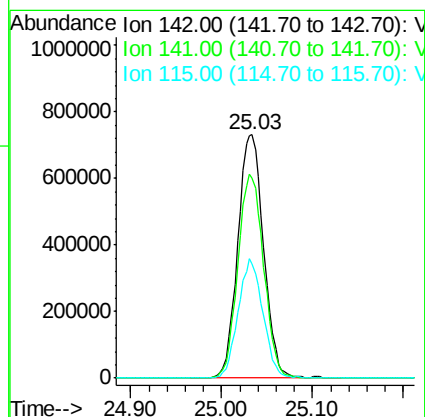
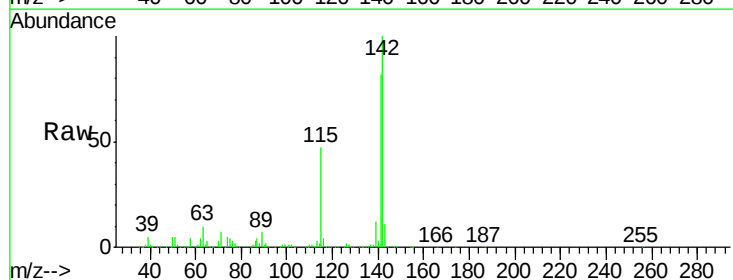
Manual Integrations
APPROVED

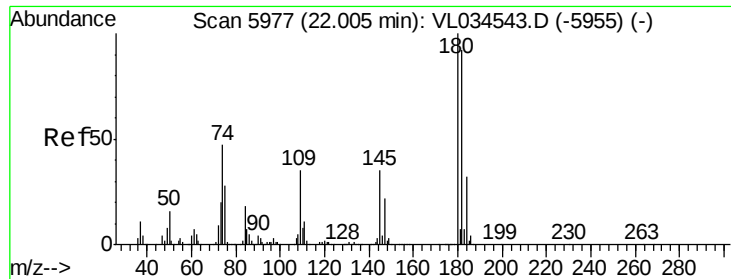
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#80
Naphthalene, 2-methyl-
Concen: 22.272 ppbv
RT: 25.03 min Scan# 6919
Delta R.T. 0.00 min
Lab File: VL034557.D
Acq: 27 Jan 2020 10:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.0	65.8	98.8
115	47.2	30.4	45.6





#81
 1,2,4-Trichlorobenzene
 Concen: 11.106 ppbv
 RT: 22.01 min Scan# 5979
 Delta R.T. 0.00 min
 Lab File: VL034557.D
 Acq: 27 Jan 2020 10:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.8	116.8
184	31.5	25.2	37.8

Manual Integrations
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