

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030520\
 Data File : VL034790.D
 Acq On : 5 Mar 2020 9:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:18:09 AM

Quant Time: Mar 06 04:54:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1053391	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	2182639	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2362376	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1889500	9.59	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1693810	9.853	ppbv 99
3) Chlorodifluoromethane	2.95	51	1060622	8.838	ppbv 98
4) Chloromethane	3.10	50	590886	9.141	ppbv 98
5) Vinyl Chloride	3.22	62	584067	8.553	ppbv 98
6) Bromomethane	3.44	94	349453	9.376	ppbv 96
7) Chloroethane	3.52	64	213588	9.046	ppbv 95
8) Dichlorotetrafluoroethane	3.15	85	1369034	9.167	ppbv 99
9) Propene	2.97	41	422592	8.946	ppbv 99
10) Heptane	8.13	43	1196989	9.971	ppbv 98
11) Trichlorofluoromethane	3.92	101	1446972	9.406	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	999245	9.415	ppbv 97
13) Ethanol	3.57	45	134744	8.325	ppbv 96
14) Bromoethene	3.71	108	427811	9.823	ppbv 99
15) Acetone	3.82	43	1107425	8.779	ppbv 99
16) 1,3-Butadiene	3.29	39	540632	9.473	ppbv 100
17) tert-Butyl alcohol	4.27	59	1030016	10.355	ppbv 100
18) 1,1-Dichloroethene	4.26	96	453241	9.683	ppbv 99
19) Isopropyl Alcohol	3.94	45	789528	10.446	ppbv 99
20) Methylene Chloride	4.32	84	403986	8.973	ppbv 94
21) Allyl Chloride	4.39	41	783910	9.813	ppbv 98
22) trans-1,2-Dichloroethene	4.87	96	449793	9.843	ppbv 98
23) Vinyl Acetate	5.06	43	1658200	9.803	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1209316	9.211	ppbv 98
25) Ethyl Acetate	5.67	43	2035420	9.338	ppbv 100
26) Hexane	5.67	57	923105	9.694	ppbv 99
27) Carbon Disulfide	4.53	76	1185392	10.655	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	1325936	9.355	ppbv 99
29) Chloroform	5.74	83	1496598	9.336	ppbv 95
30) Cyclohexane	7.13	84	754372	10.355	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	954003	9.767	ppbv 96
32) 1,1,1-Trichloroethane	6.51	97	1438724	9.083	ppbv 99
34) 2-Butanone	5.23	43	1333193	9.389	ppbv 100
35) Carbon Tetrachloride	7.02	117	1508327	9.158	ppbv 100
36) Benzene	6.89	78	1793553	9.616	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1226057	9.624	ppbv 99
38) Trichloroethene	7.84	130	692163	9.522	ppbv 98
39) 1,2-Dichloropropane	7.62	63	716556	9.520	ppbv 97
40) 1,4-Dioxane	7.83	88	268870	10.328	ppbv # 98
41) Tetrahydrofuran	6.04	42	737531	10.180	ppbv 99
42) Bromodichloromethane	7.80	83	1615002	10.019	ppbv 98
43) Methyl Methacrylate	8.02	69	846463	10.710	ppbv 96

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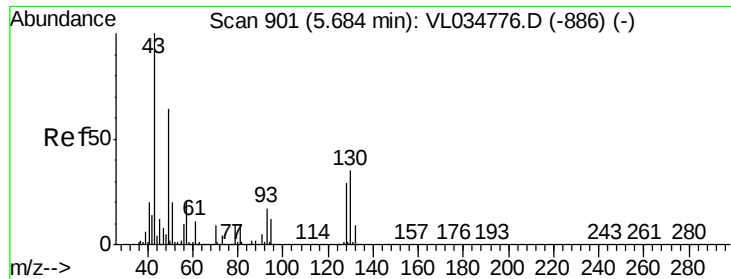
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3165658	9.713	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	963987	11.619	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1123074	11.085	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	754034m	9.489	ppbv	
48) Dibromochloromethane	10.32	129	1321811	10.637	ppbv	100
49) Bromoform	13.07	173	1187394	10.951	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2033643	9.995	ppbv	99
51) 2-Hexanone	10.15	43	1680749	10.531	ppbv	100
52) Tetrachloroethene	11.25	164	643147	9.334	ppbv	96
53) Toluene	9.82	91	2065896	10.466	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1169942	9.957	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	977636	9.340	ppbv #	60
57) Chlorobenzene	12.17	112	1589828	8.810	ppbv	99
58) Ethyl Benzene	12.74	91	2862052	9.831	ppbv	97
59) m/p-Xylene	13.02	91	4794648m	19.026	ppbv	
60) o-Xylene	13.72	91	2401129	9.417	ppbv	99
61) Styrene	13.55	104	1686551	10.662	ppbv	99
62) Isopropylbenzene	14.70	105	3459669	9.219	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1726159	8.588	ppbv	100
64) n-propylbenzene	15.60	120	911887	9.691	ppbv	100
65) tert-Butylbenzene	16.78	119	3058761	9.645	ppbv	99
66) Benzyl Chloride	17.03	91	1200177	11.706	ppbv	99
67) sec-Butylbenzene	17.33	105	4349913	9.413	ppbv	100
69) p-Isopropyltoluene	17.69	119	3621556	9.684	ppbv	99
70) n-Butylbenzene	18.59	91	3946896	9.652	ppbv	100
71) 2-Chlorotoluene	15.49	91	2738725	9.663	ppbv	100
72) 4-Ethyltoluene	15.87	105	2822651	9.942	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	2662931	9.779	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	2794858	9.441	ppbv	93
75) 1,3-Dichlorobenzene	17.03	146	1585122	9.045	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1588117	9.471	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	1535822	9.161	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1289512	9.217	ppbv	99
79) Naphthalene	22.26	128	2593677	11.659	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1129509	21.258	ppbv	96
81) 1,2,4-Trichlorobenzene	21.98	180	1479221	10.518	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.03 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1053391

Ion Ratio Lower Upper

49 100

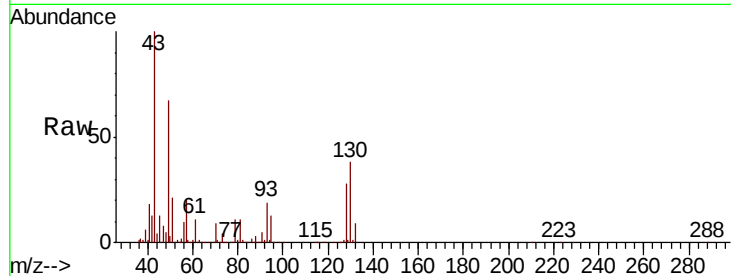
128 44.1 21.6 64.6

130 55.7 27.4 82.2

Manual Integrations
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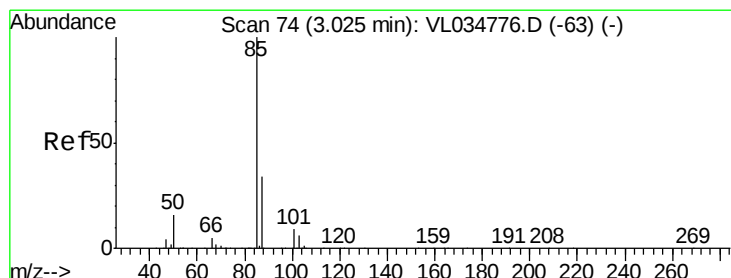
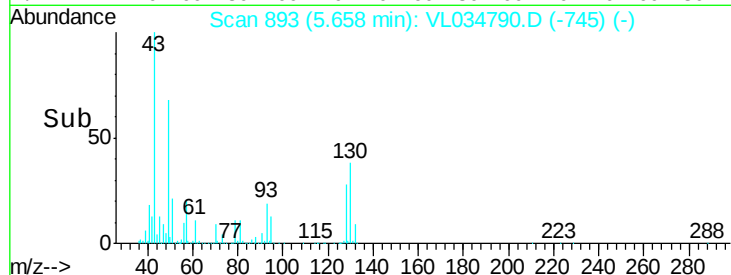
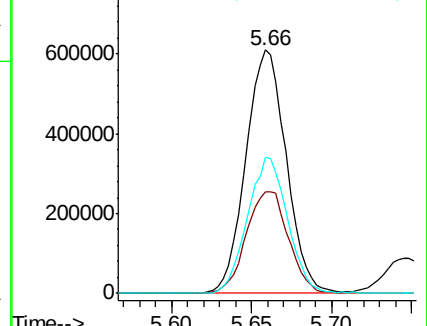
3/9/2020 9:18:09 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.853 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.02 min

Lab File: VL034790.D

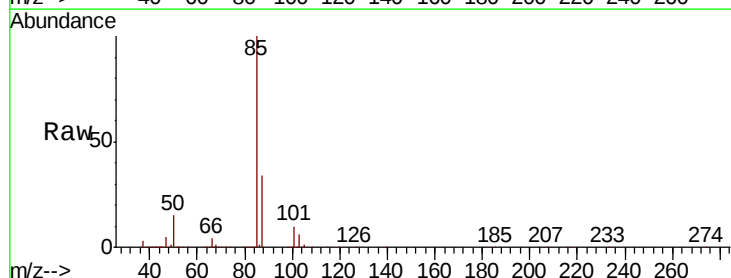
Acq: 5 Mar 2020 9:39

Tgt Ion: 85 Resp: 1693810

Ion Ratio Lower Upper

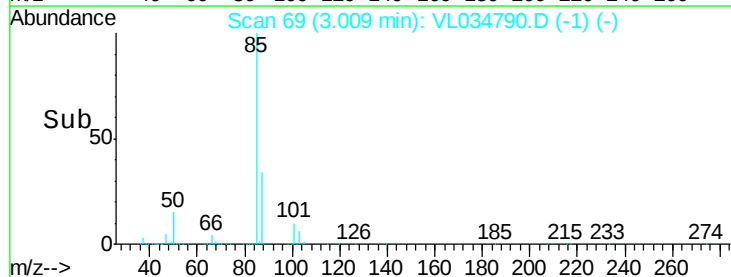
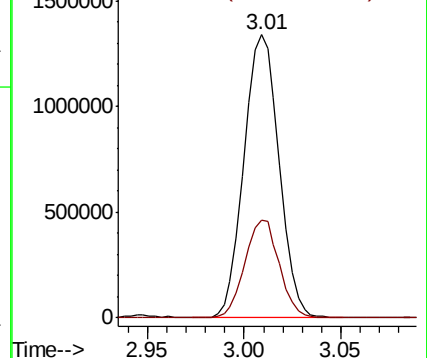
85 100

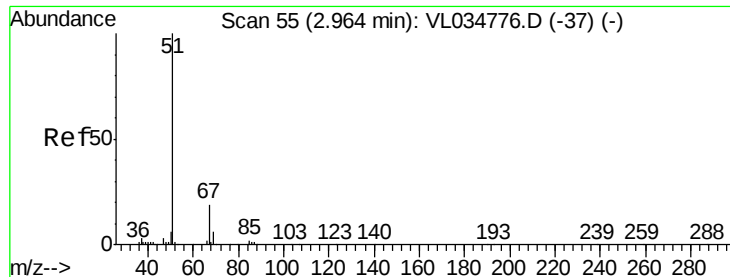
87 34.4 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.838 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1060622

Ion Ratio Lower Upper

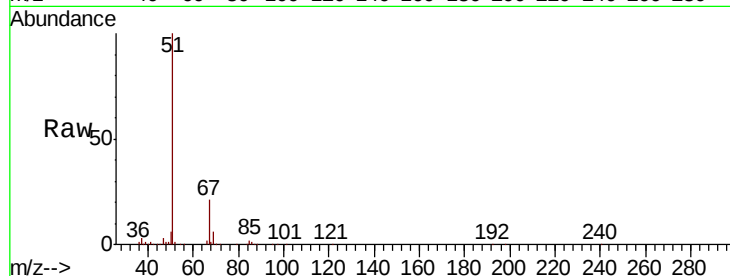
51 100

67 20.2 15.3 22.9

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1000000

800000

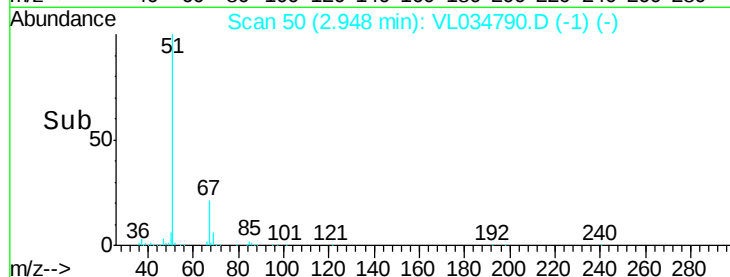
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400000

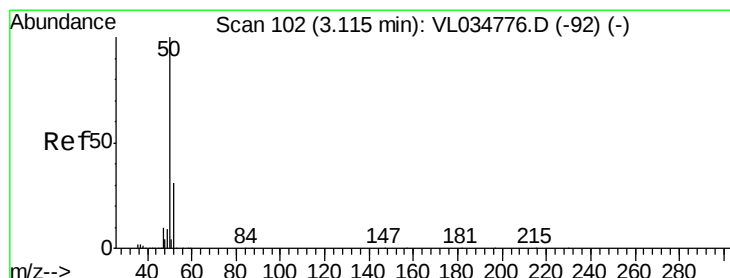
200000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.141 ppbv

RT: 3.10 min Scan# 98

Delta R.T. -0.01 min

Lab File: VL034790.D

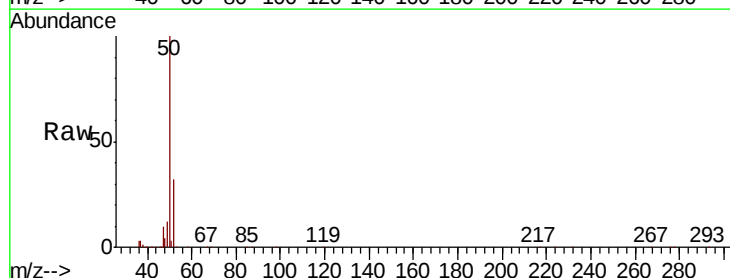
Acq: 5 Mar 2020 9:39

Tgt Ion: 50 Resp: 590886

Ion Ratio Lower Upper

50 100

52 32.1 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

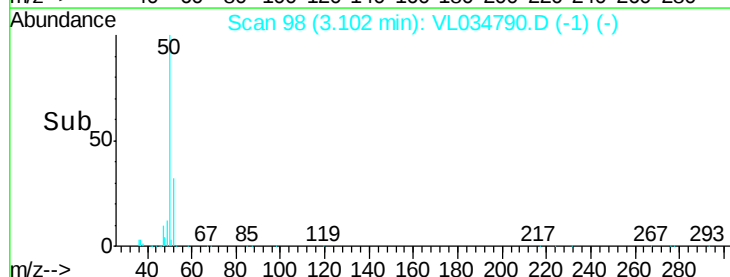
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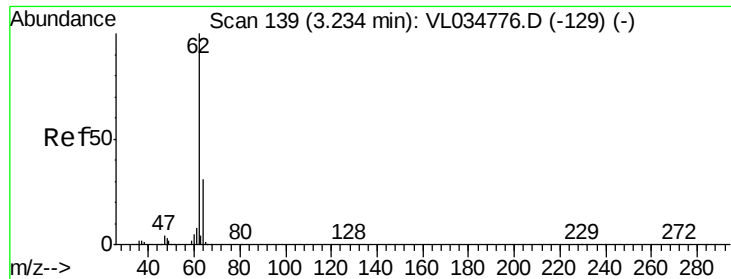
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.553 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 584067

Ion Ratio Lower Upper

62 100

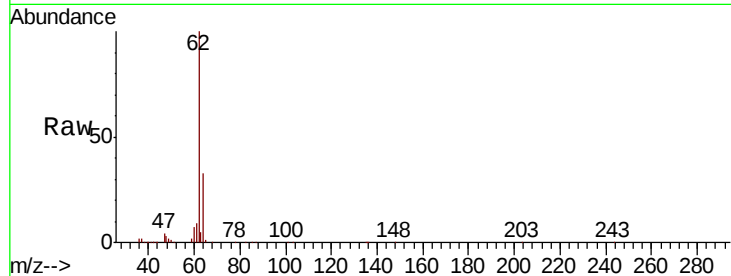
64 32.5 25.1 37.7

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.22

400000

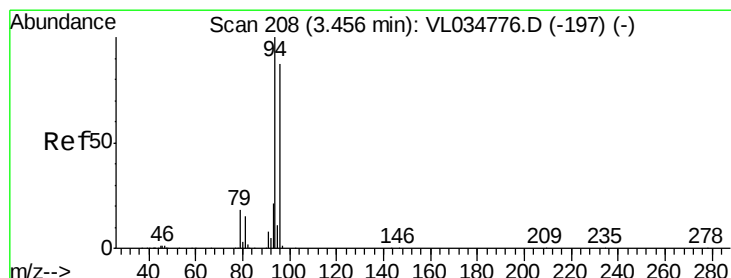
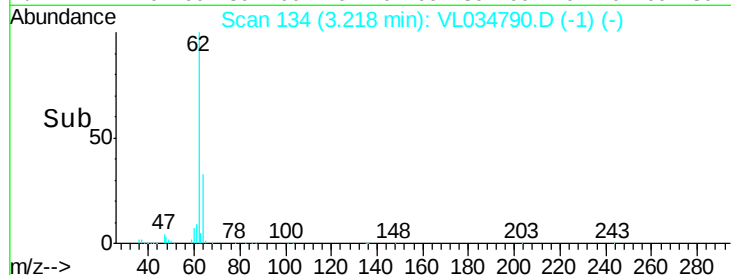
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.376 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.02 min

Lab File: VL034790.D

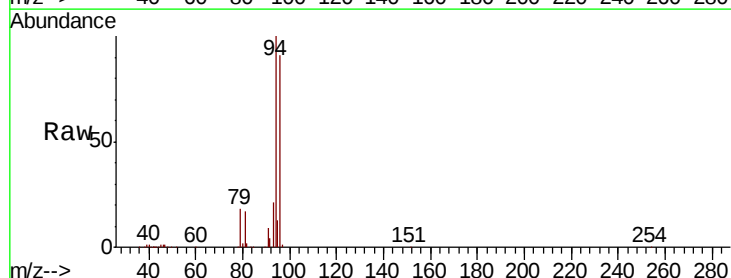
Acq: 5 Mar 2020 9:39

Tgt Ion: 94 Resp: 349453

Ion Ratio Lower Upper

94 100

96 90.8 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

300000

250000

200000

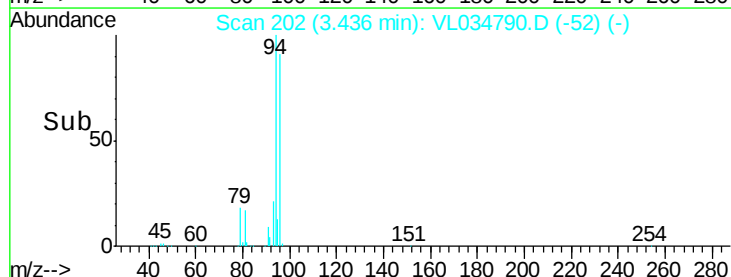
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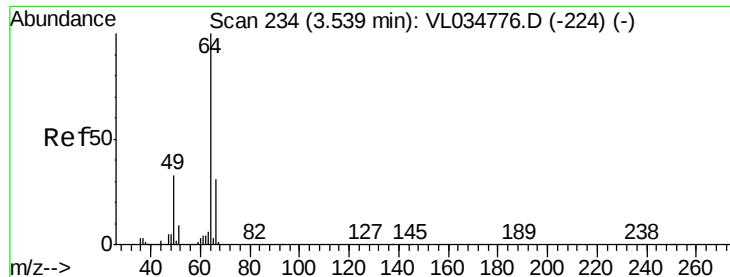
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.046 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 213588

Ion Ratio Lower Upper

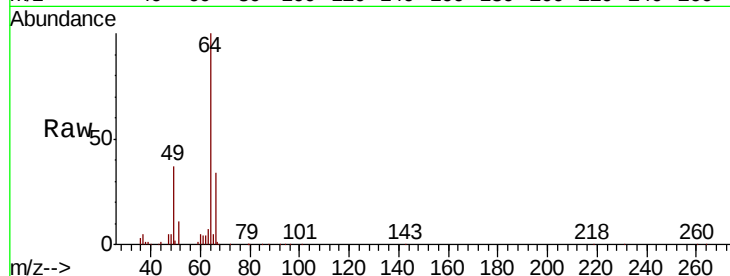
64 100

66 33.5 24.8 37.2

Manual Integrations
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.52

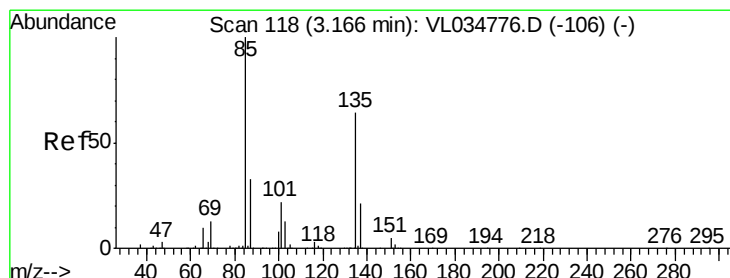
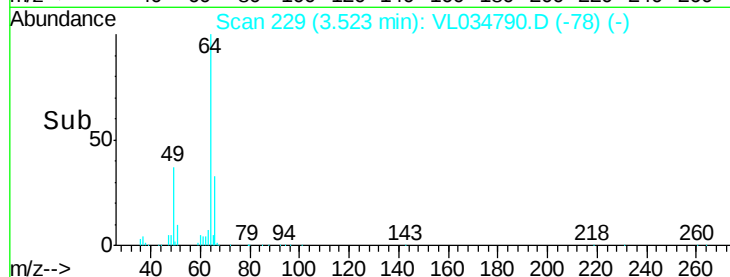
150000

100000

50000

0

Time--> 3.45 3.50 3.55



#8

Dichlorotetrafluoroethane

Concen: 9.167 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.02 min

Lab File: VL034790.D

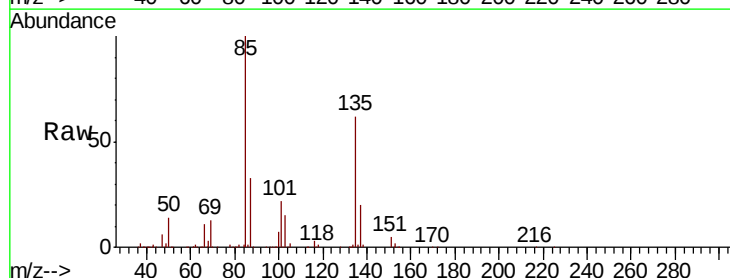
Acq: 5 Mar 2020 9:39

Tgt Ion: 85 Resp: 1369034

Ion Ratio Lower Upper

85 100

135 62.2 49.4 74.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.15

1200000

1000000

800000

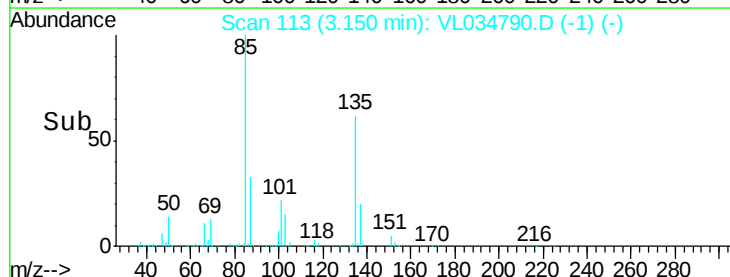
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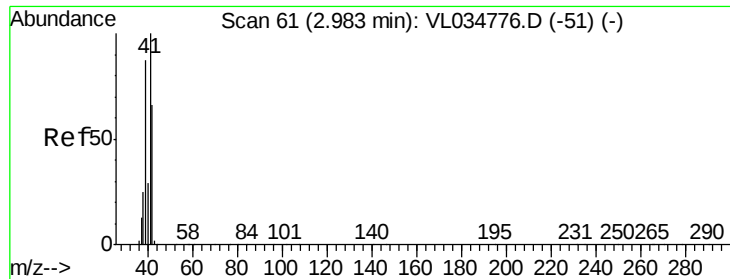
400000

200000

0

Time--> 3.10 3.15 3.20





#9

Propene

Concen: 8.946 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 422592

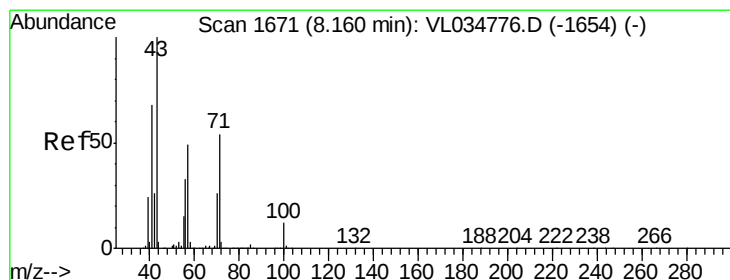
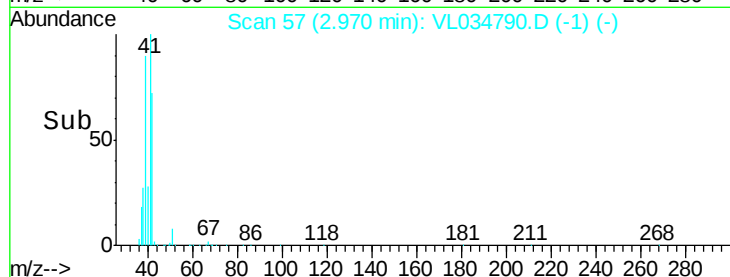
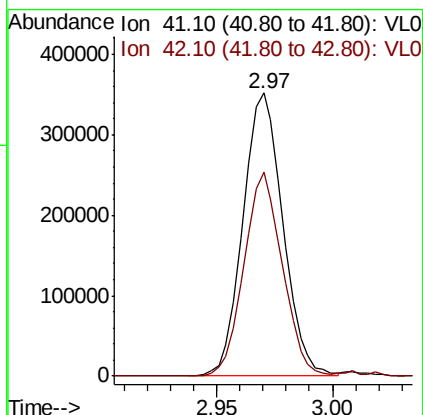
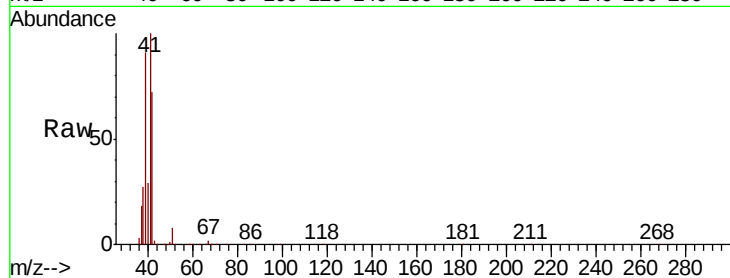
Ion Ratio Lower Upper

41 100

42 70.5 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 9.971 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.03 min

Lab File: VL034790.D

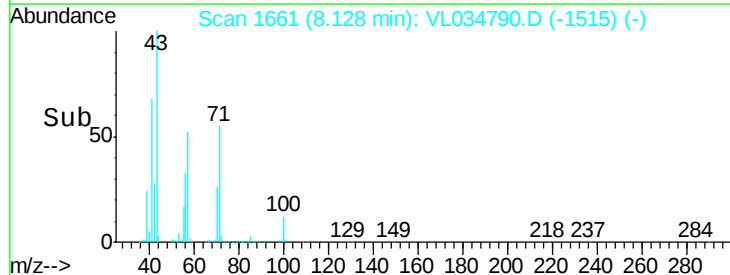
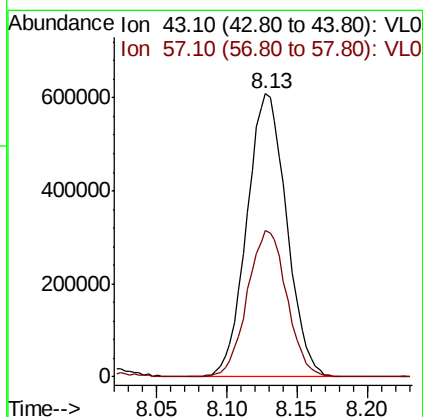
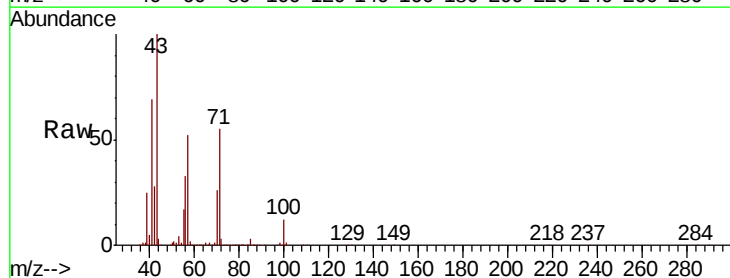
Acq: 5 Mar 2020 9:39

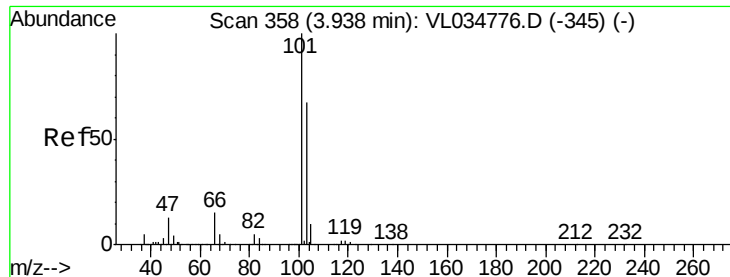
Tgt Ion: 43 Resp: 1196989

Ion Ratio Lower Upper

43 100

57 51.7 40.5 60.7





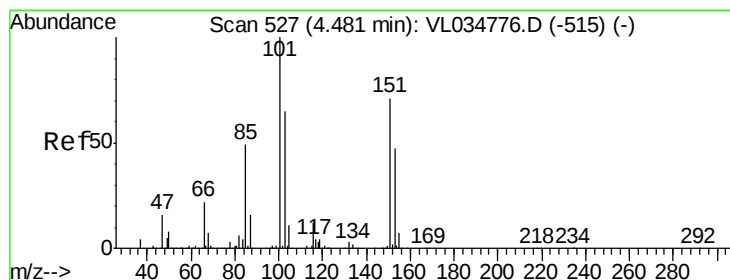
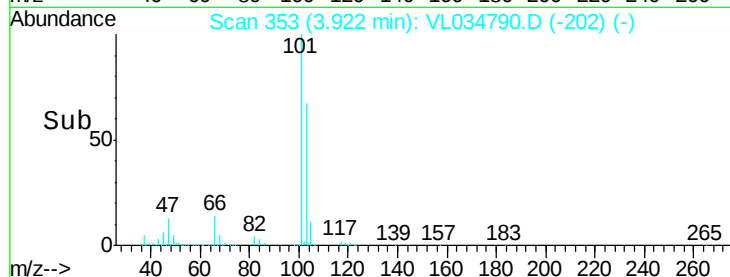
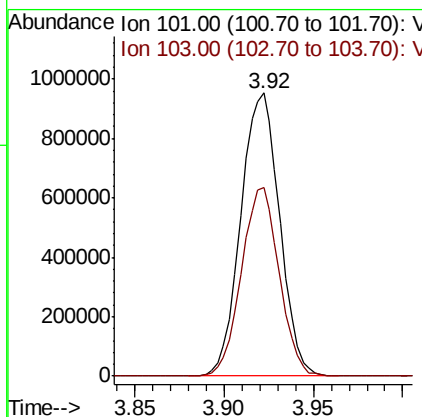
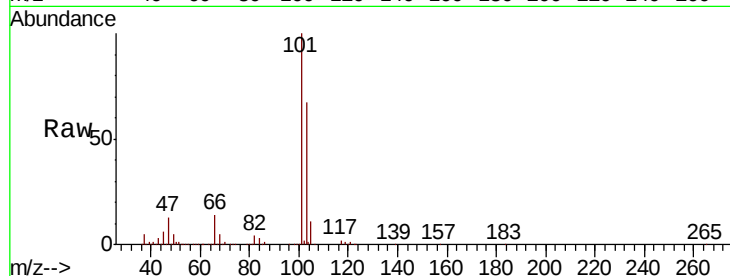
#11
 Trichlorofluoromethane
 Concen: 9.406 ppbv
 RT: 3.92 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1446972
 Ion Ratio Lower Upper
 101 100
 103 66.8 53.6 80.4

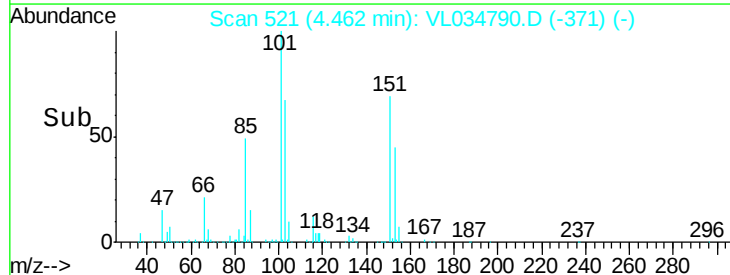
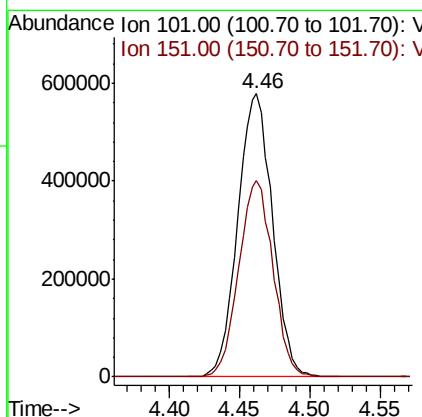
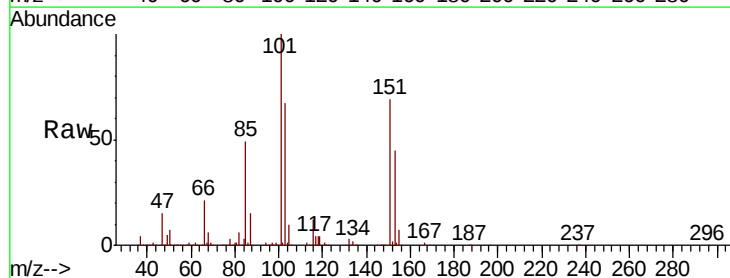
Manual Integrations
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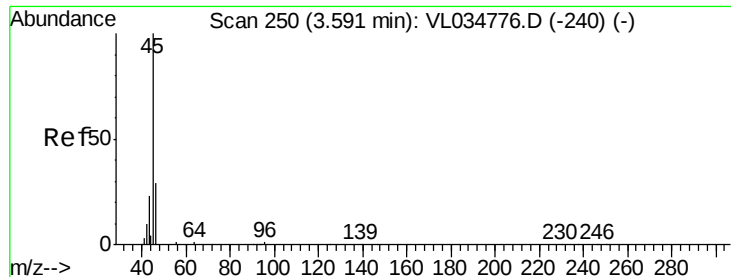
MMDadoda
 3/9/2020 9:18:09 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.415 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion:101 Resp: 999245
 Ion Ratio Lower Upper
 101 100
 151 68.4 56.6 85.0





#13

Ethanol

Concen: 8.325 ppbv

RT: 3.57 min Scan# 245

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 134744

Ion Ratio Lower Upper

45 100

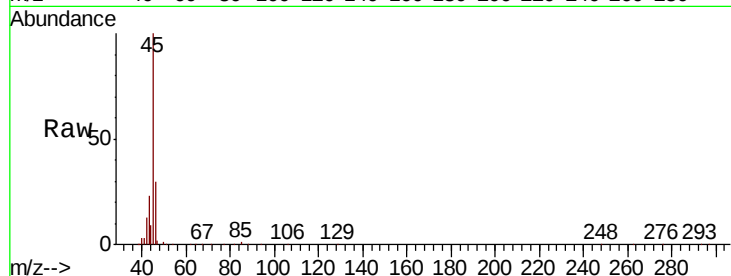
46 34.6 14.7 58.9

Manual Integrations

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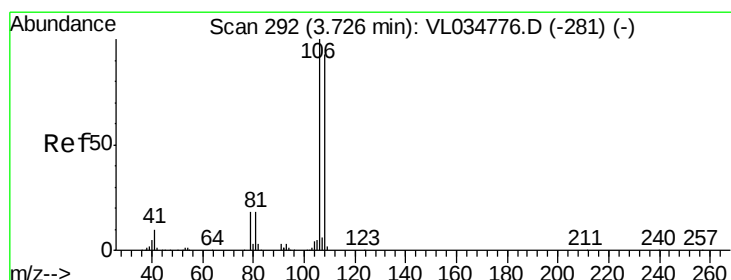
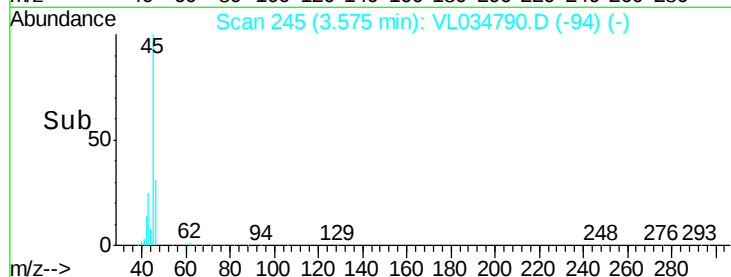
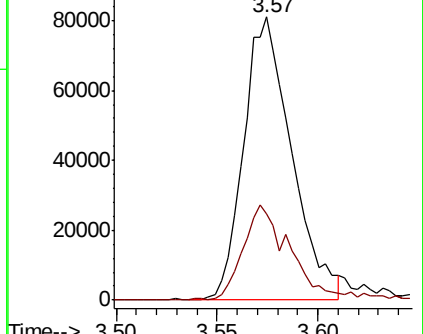
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.823 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

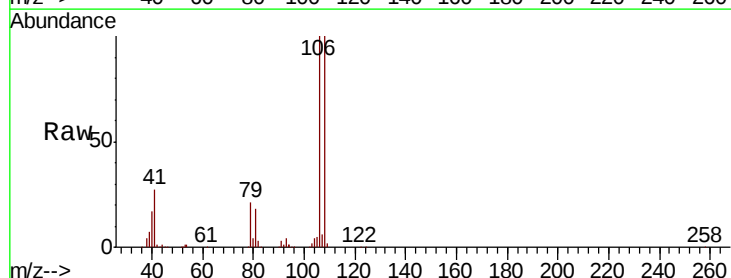
Tgt Ion: 108 Resp: 427811

Ion Ratio Lower Upper

108 100

106 105.4 83.5 125.3

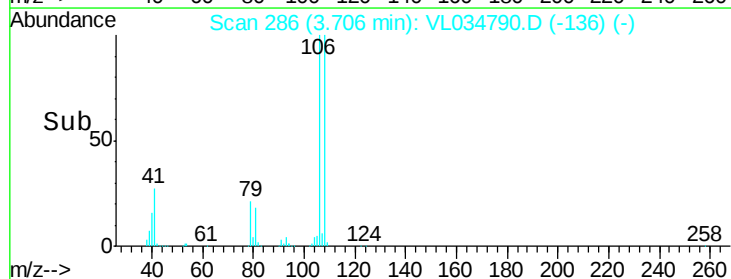
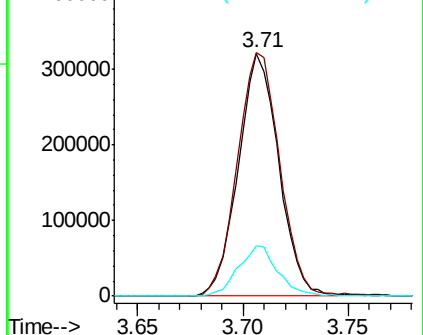
79 20.2 15.6 23.4

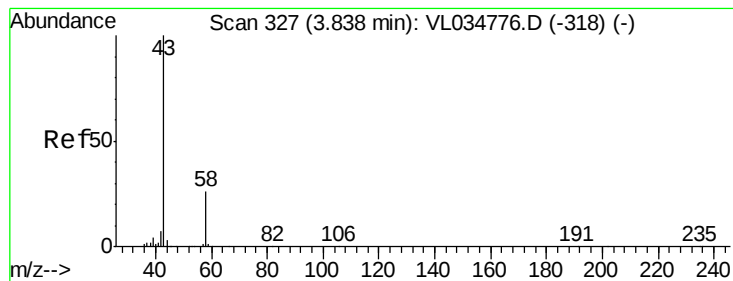


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.779 ppbv

RT: 3.82 min Scan# 321

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1107425

Ion Ratio Lower Upper

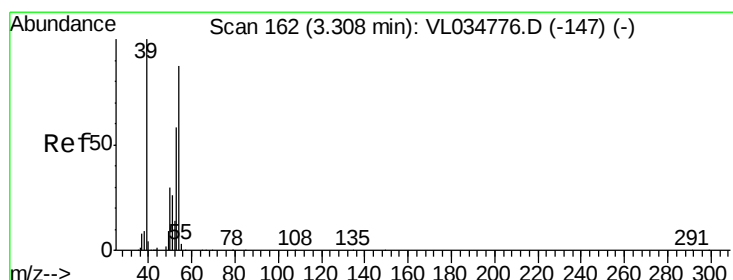
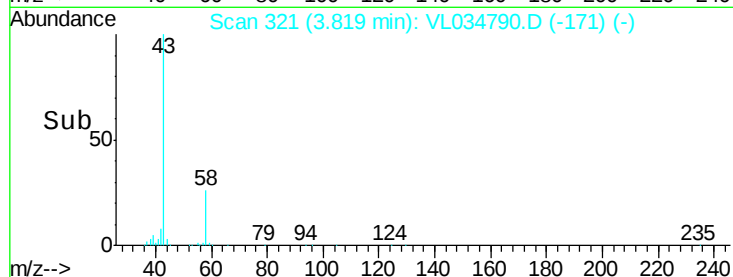
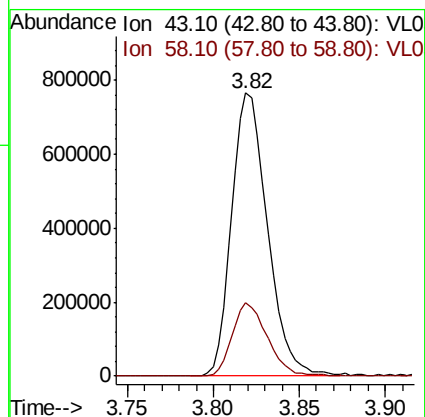
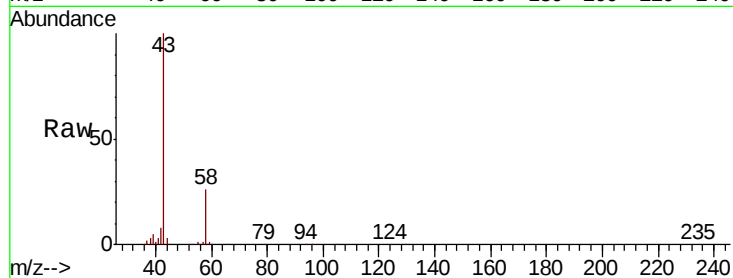
43 100

58 25.6 21.0 31.6

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.473 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.02 min

Lab File: VL034790.D

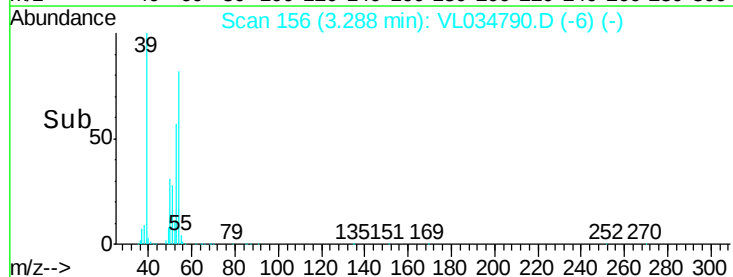
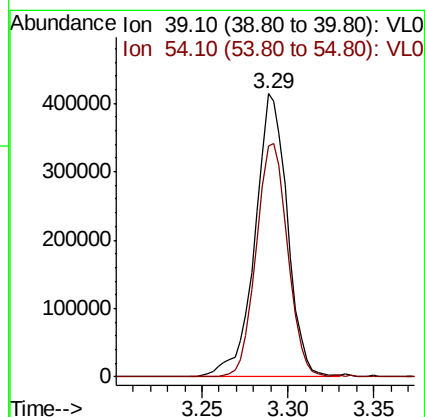
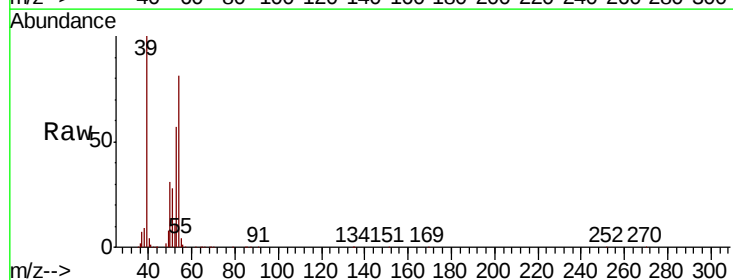
Acq: 5 Mar 2020 9:39

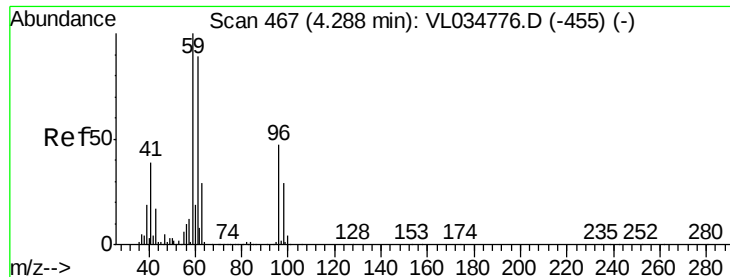
Tgt Ion: 39 Resp: 540632

Ion Ratio Lower Upper

39 100

54 80.4 64.2 96.2





#17

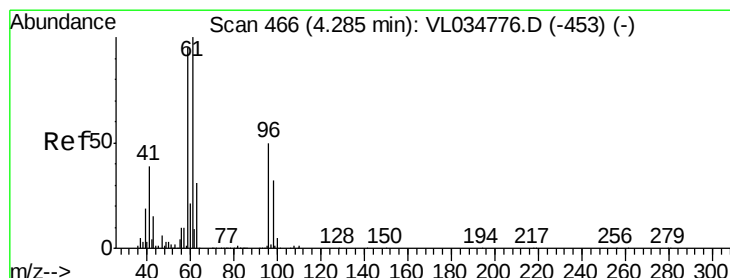
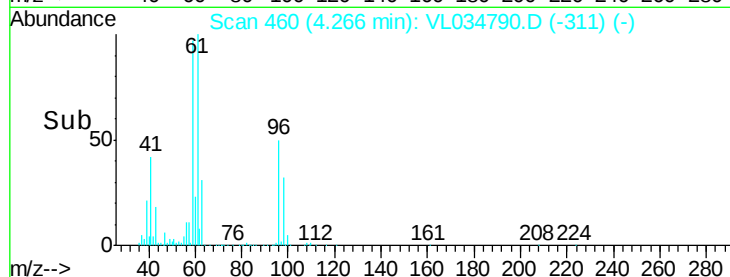
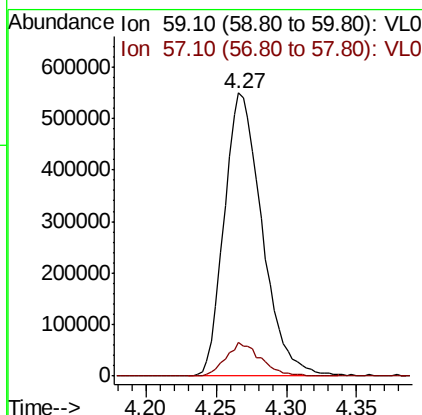
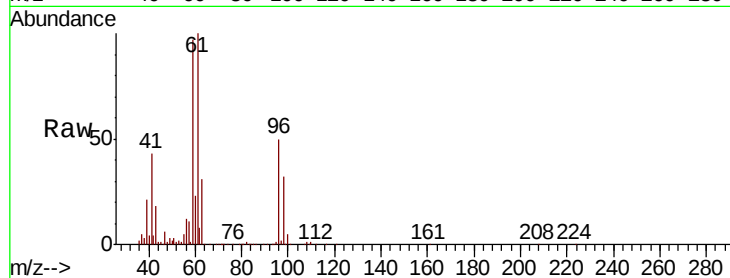
tert-Butyl alcohol
Concen: 10.355 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1030016
Ion Ratio Lower Upper
59 100
57 10.9 8.6 13.0

Manual Integrations
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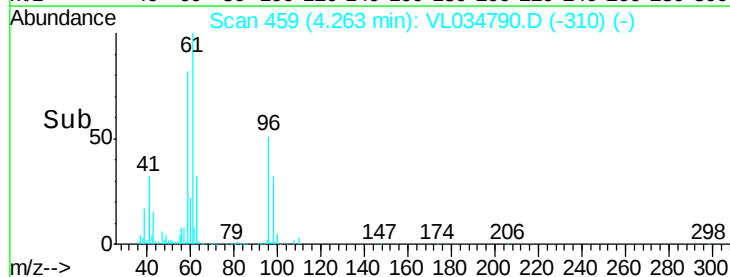
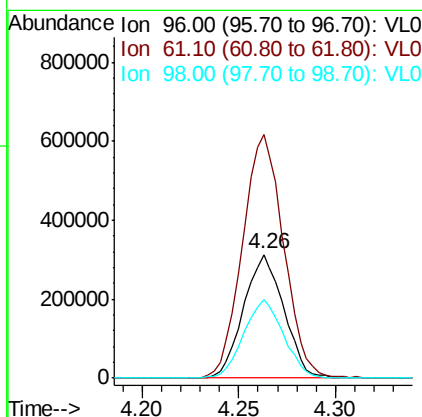
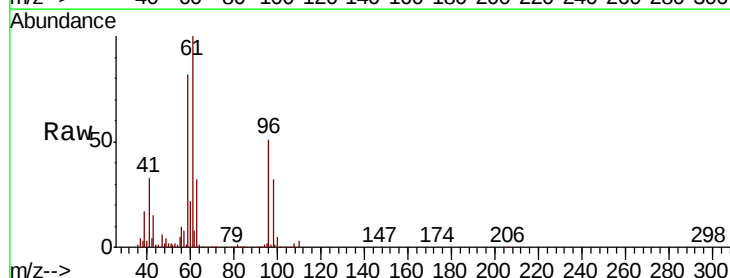
MMDadoda
3/9/2020 9:18:09 AM

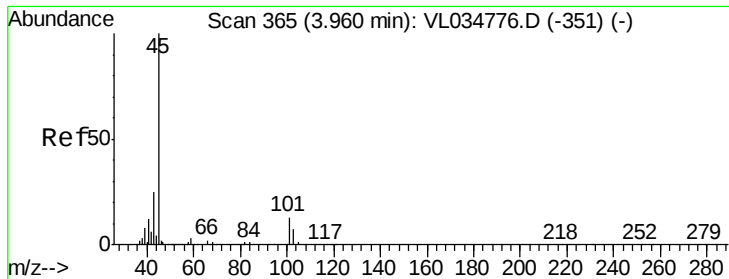


#18

1,1-Dichloroethene
Concen: 9.683 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion: 96 Resp: 453241
Ion Ratio Lower Upper
96 100
61 197.0 159.5 239.3
98 63.2 51.1 76.7





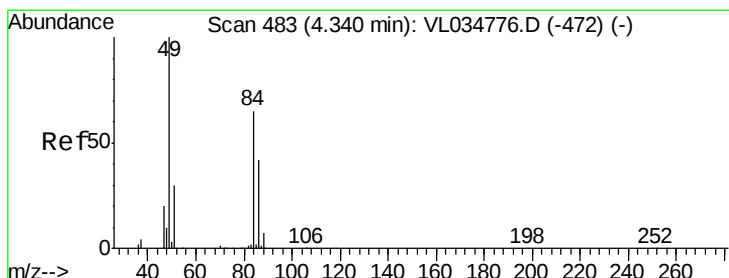
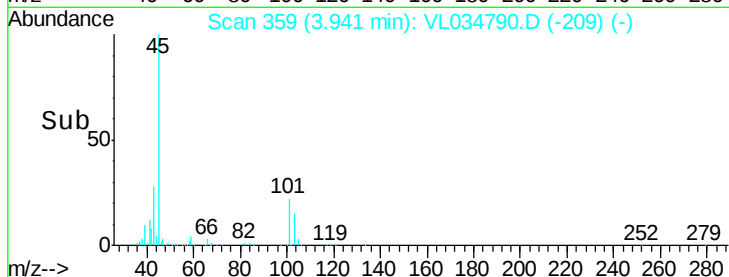
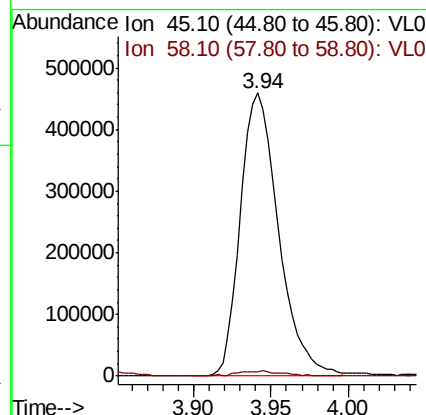
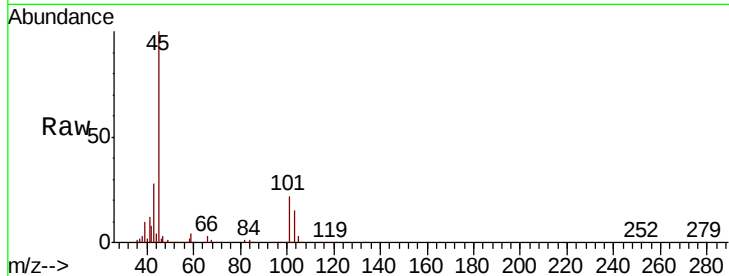
#19
Isopropyl Alcohol
Concen: 10.446 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.1	1.8	2.8

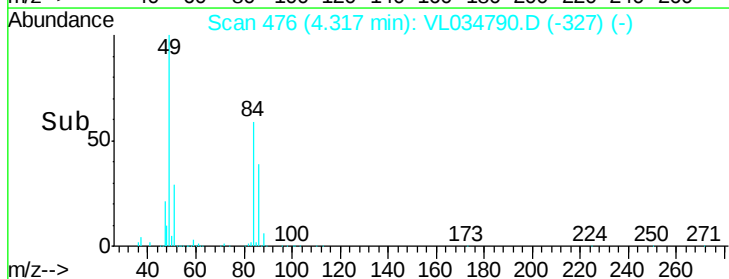
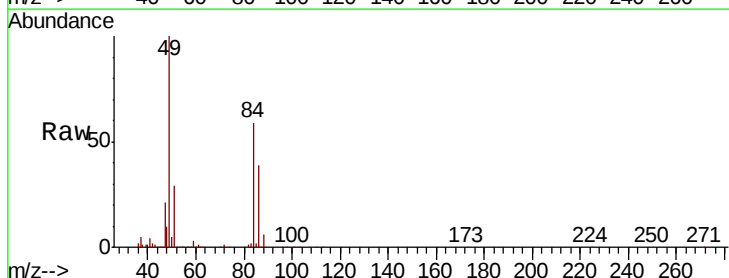
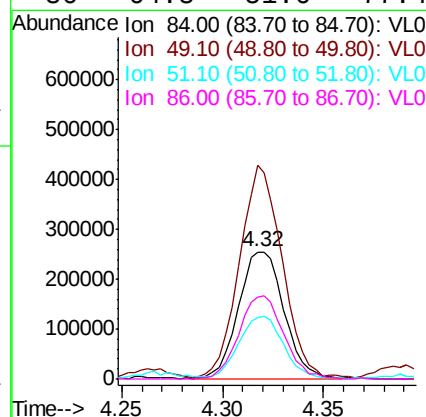
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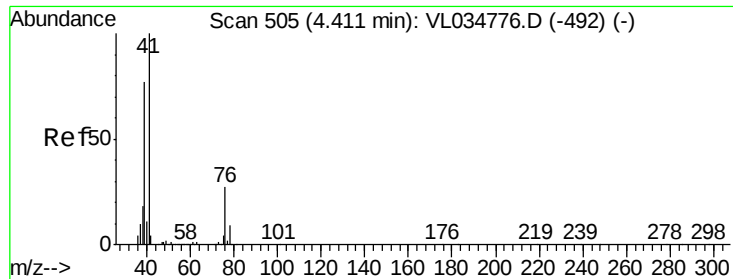
MMDadoda
3/9/2020 9:18:09 AM



#20
Methylene Chloride
Concen: 8.973 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.9	123.2	184.8
51	48.2	37.4	56.2
86	64.8	51.6	77.4





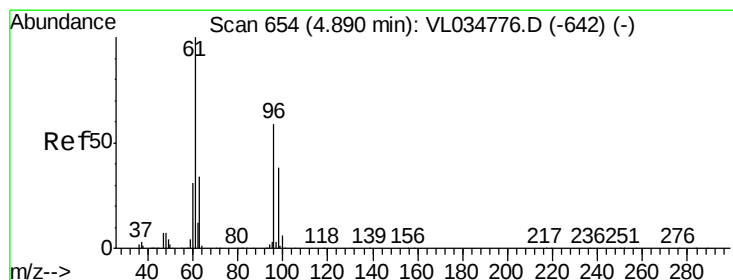
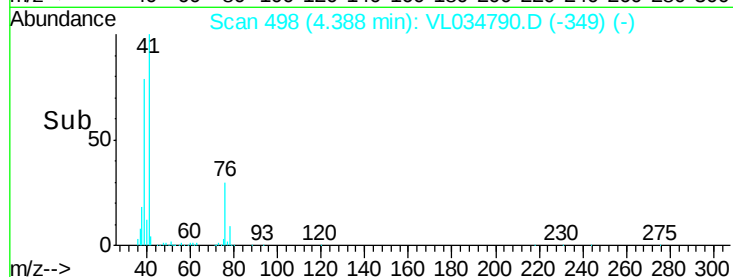
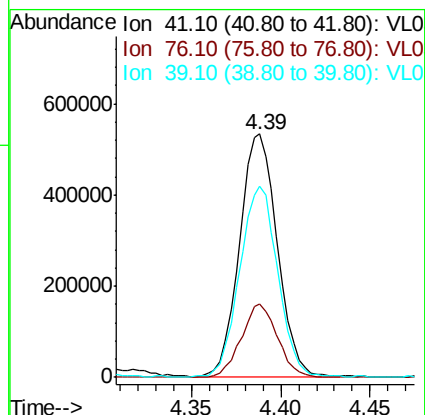
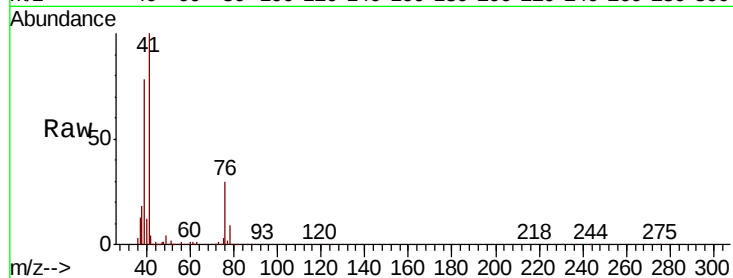
#21
Allvl Chloride
Concen: 9.813 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.2	22.5	33.7
39	79.7	65.0	97.6

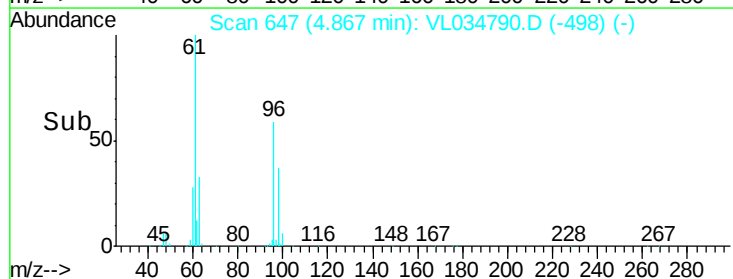
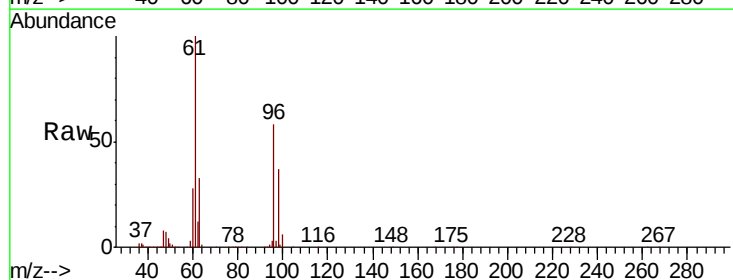
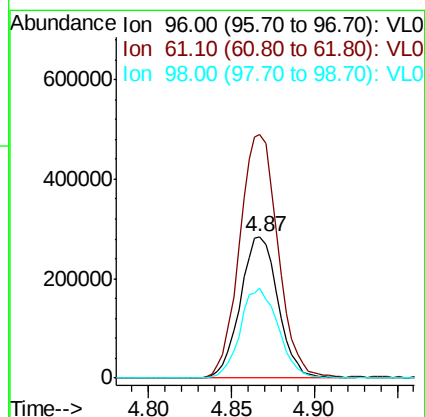
Manual Integrations
APPROVED

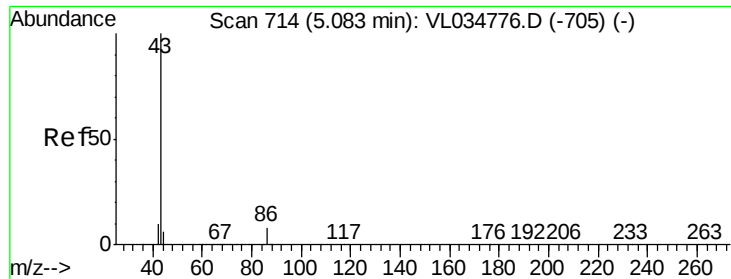
MMDadoda
3/9/2020 9:18:09 AM



#22
trans-1,2-Dichloroethene
Concen: 9.843 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	135.2	202.8
98	63.2	50.8	76.2





#23

Vinyl Acetate

Concen: 9.803 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1658200

Ion Ratio Lower Upper

43 100

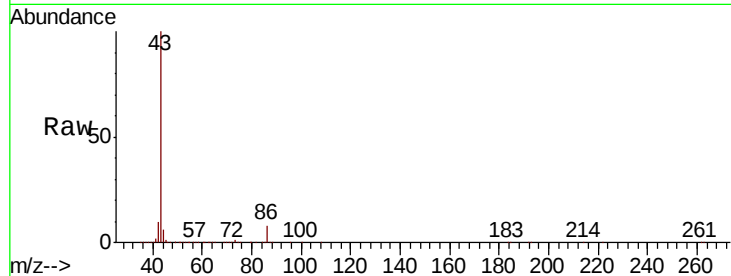
86 8.0 5.9 8.9

42 10.2 8.2 12.2

44 5.5 4.5 6.7

Manual Integrations
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MMDadoda
3/9/2020 9:18:09 AM

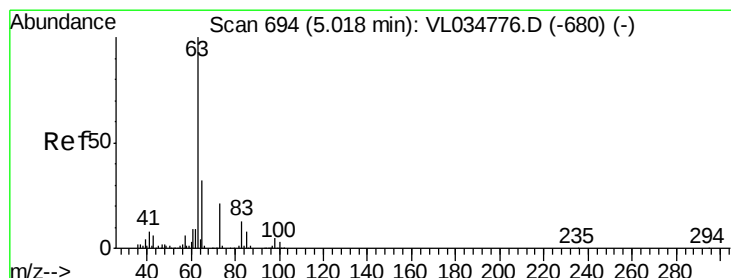
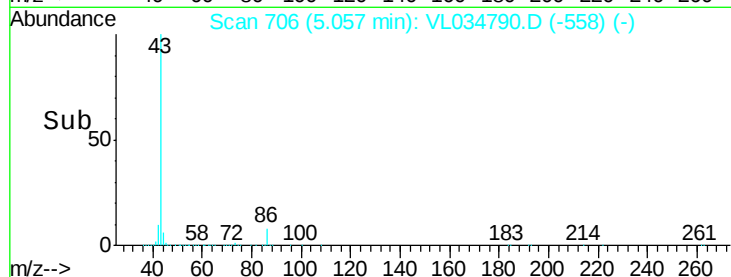
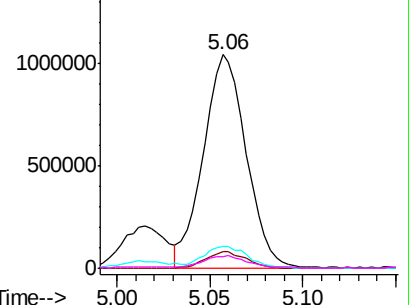


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.211 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

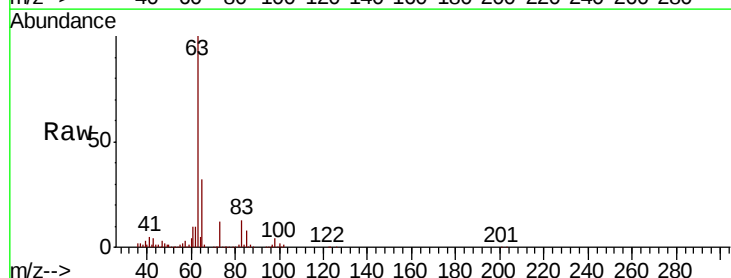
Tgt Ion: 63 Resp: 1209316

Ion Ratio Lower Upper

63 100

98 3.9 2.3 6.8

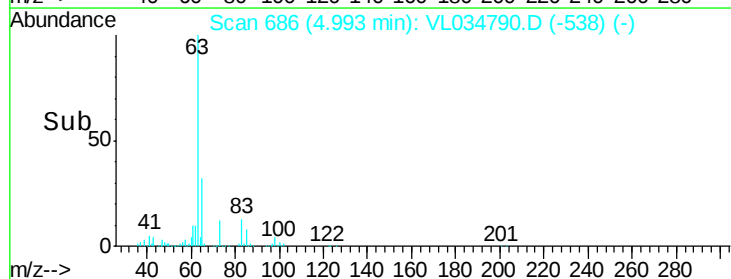
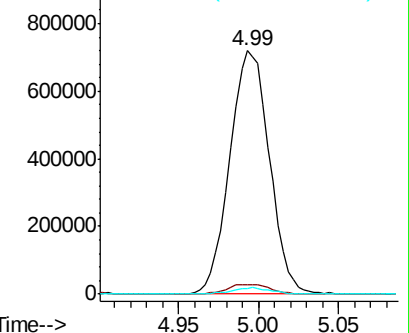
100 2.5 1.5 4.4

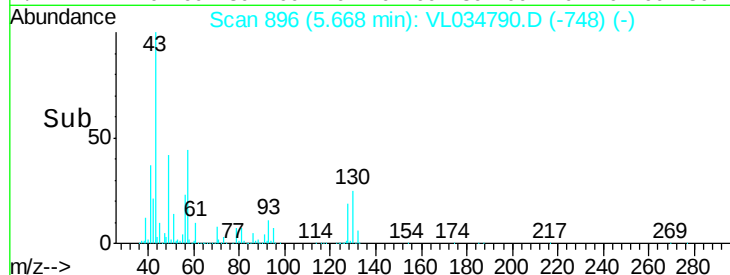
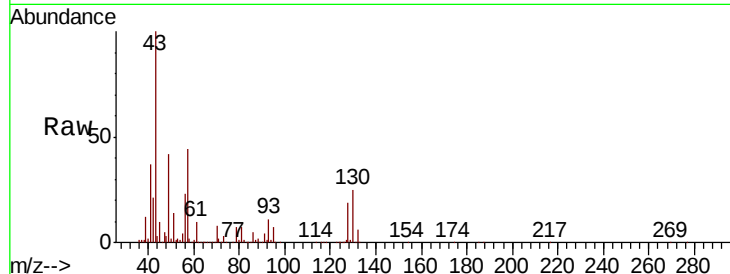
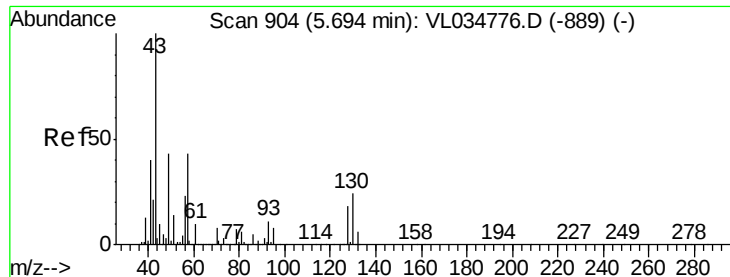


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

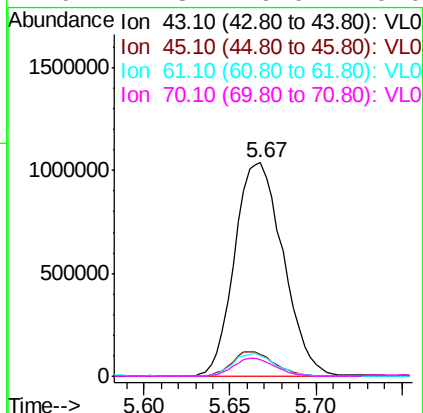
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.338 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

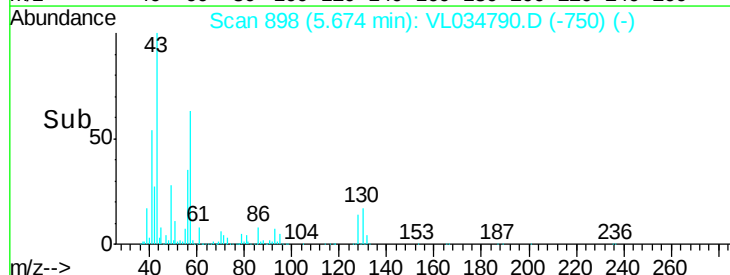
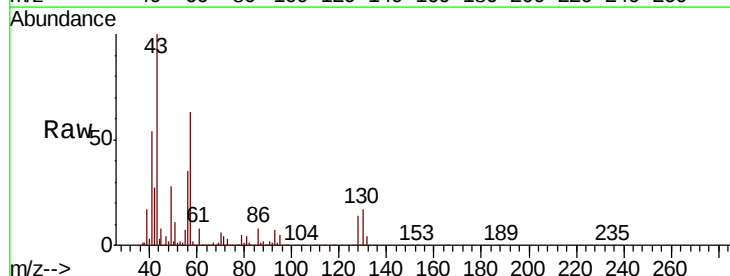
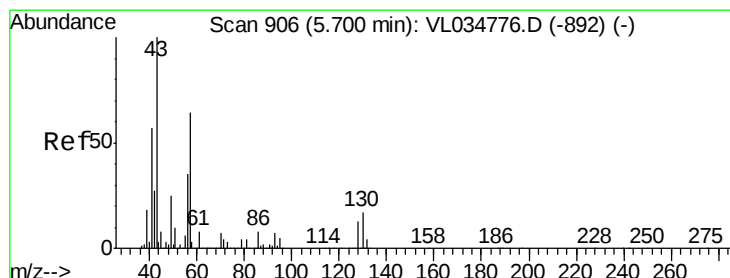
Tot Ion	43	Resp	2035420
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.4	7.5	11.3
70	7.3	6.0	9.0



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

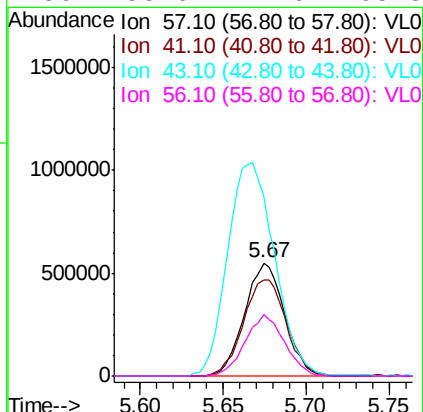
Manual Integrations
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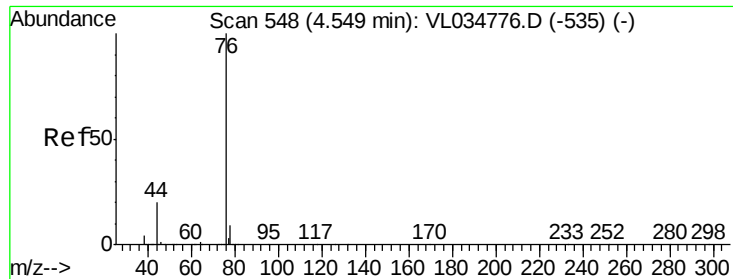
MMDadoda
3/9/2020 9:18:09 AM



#26
Hexane
Concen: 9.694 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	57	Resp	923105
Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.0	108.0
43	222.8	179.1	268.7
56	53.6	42.6	63.8





#27

Carbon Disulfide

Concen: 10.655 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1185392

Ion Ratio Lower Upper

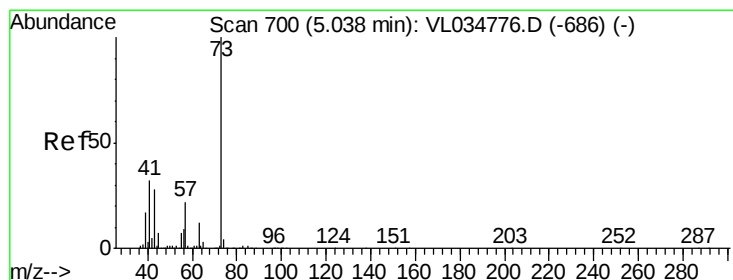
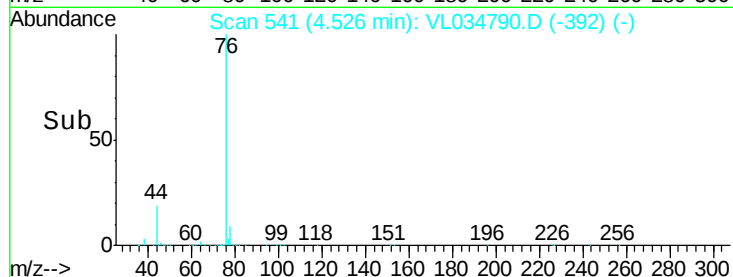
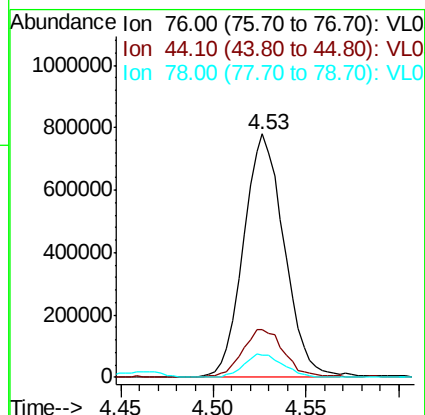
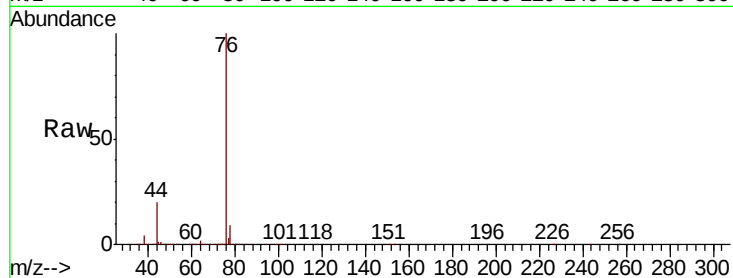
76 100

44 20.3 16.1 24.1

78 9.5 7.5 11.3

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#28

Methyl tert-Butyl Ether

Concen: 9.355 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL034790.D

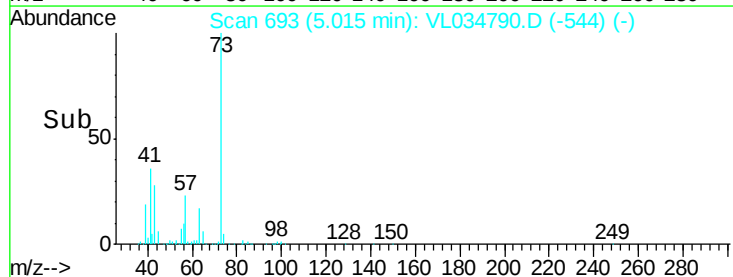
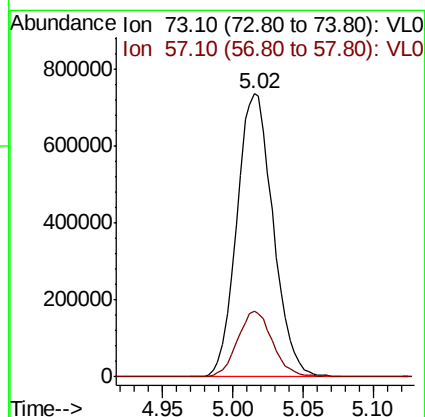
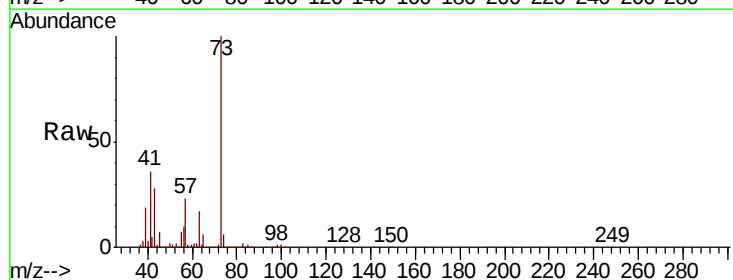
Acq: 5 Mar 2020 9:39

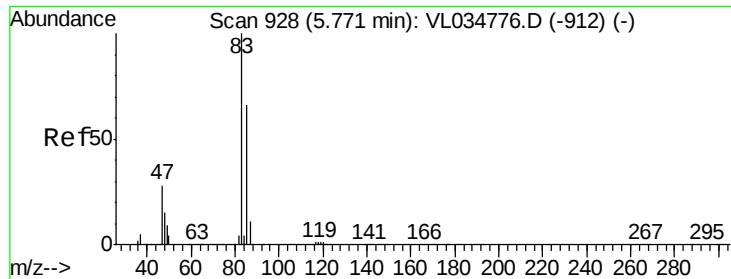
Tgt Ion: 73 Resp: 1325936

Ion Ratio Lower Upper

73 100

57 22.8 18.5 27.7





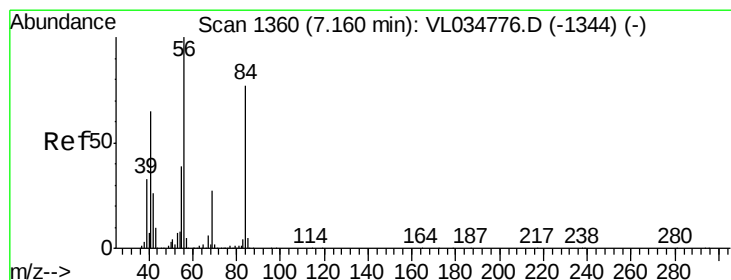
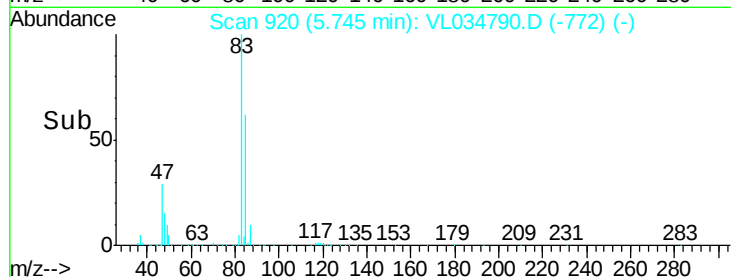
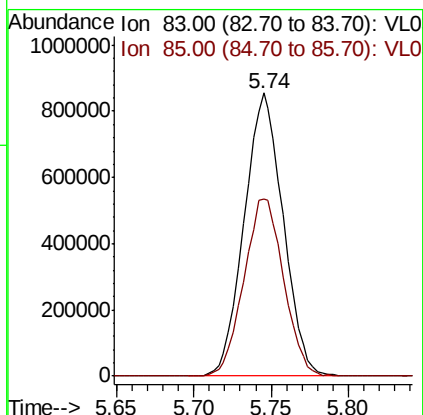
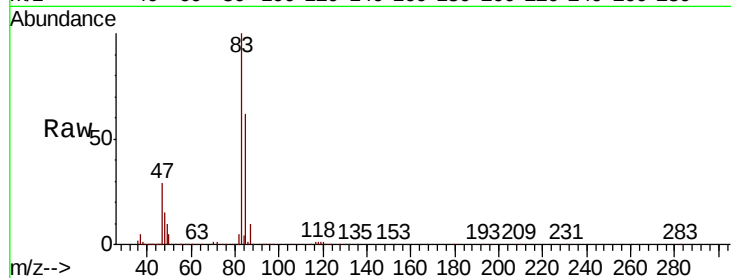
#29
Chloroform
Concen: 9.336 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1496598
Ion Ratio Lower Upper
83 100
85 62.4 53.0 79.4

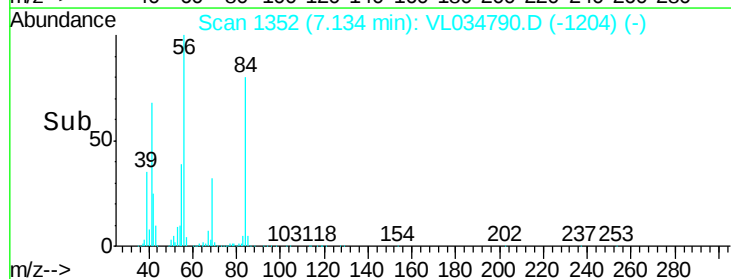
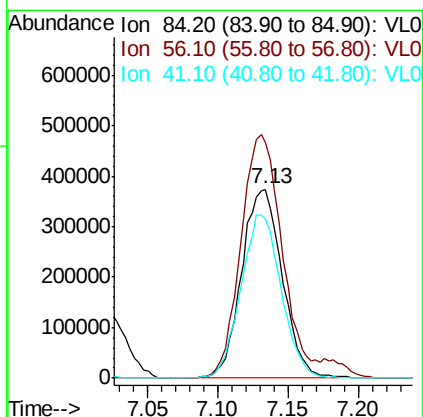
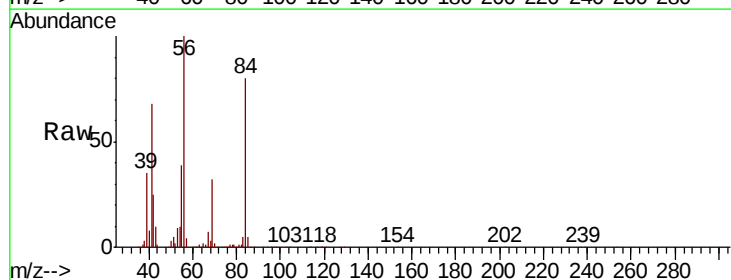
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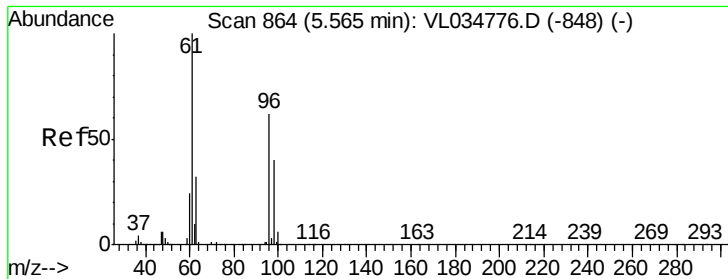
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#30
Cyclohexane
Concen: 10.355 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion: 84 Resp: 754372
Ion Ratio Lower Upper
84 100
56 137.1 113.2 169.8
41 86.0 70.2 105.4





#31

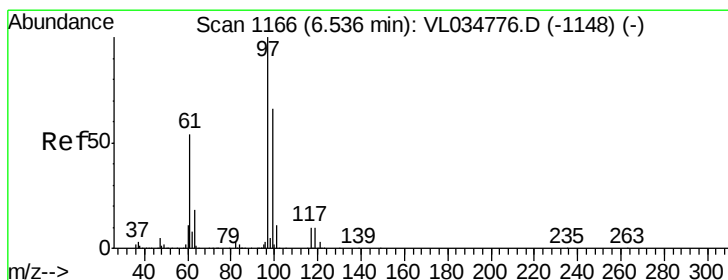
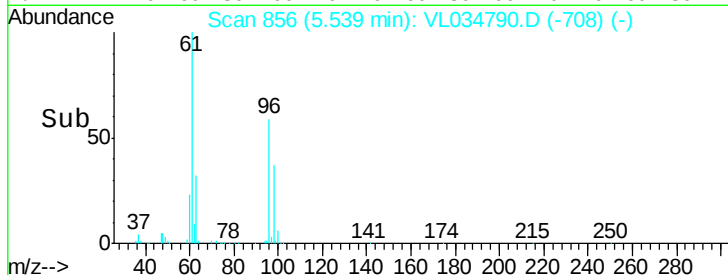
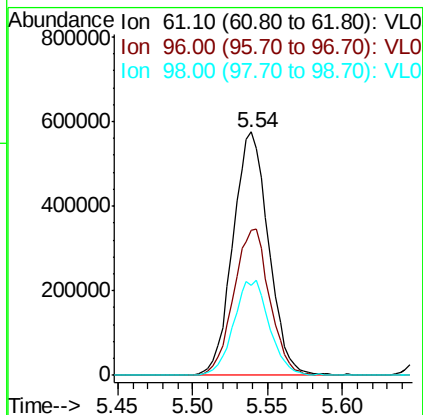
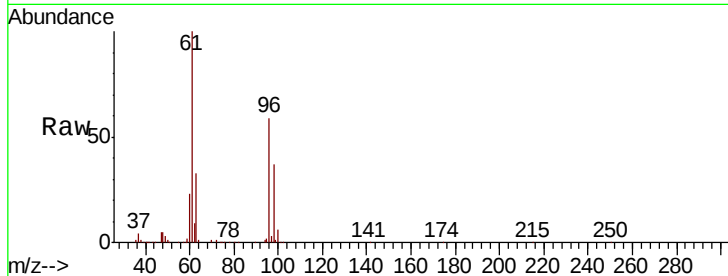
cis-1,2-Dichloroethene
Concen: 9.767 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.4	49.7	74.5
98	37.2	31.9	47.9

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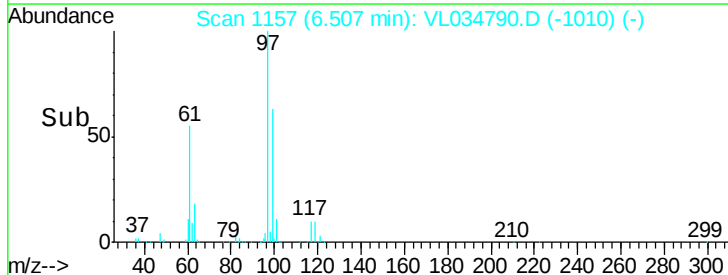
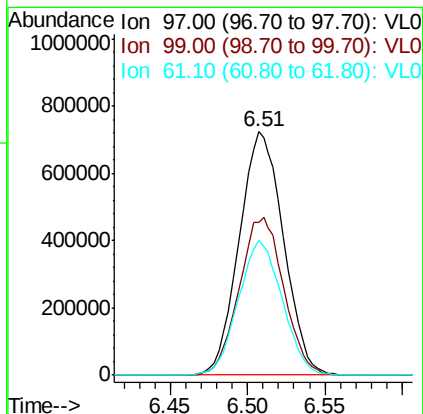
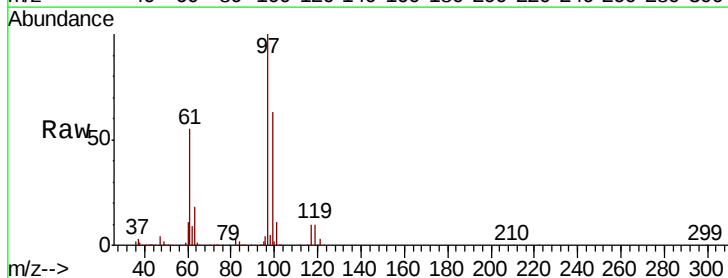
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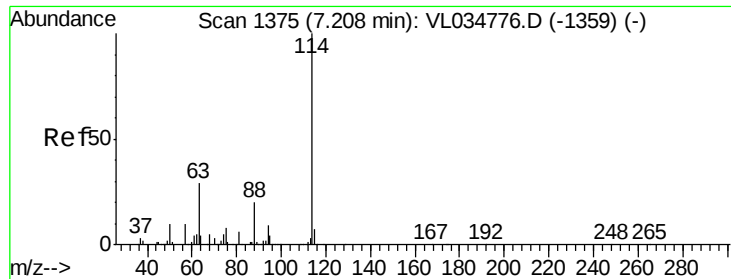


#32

1,1,1-Trichloroethane
Concen: 9.083 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.7	77.5
61	55.0	43.4	65.0





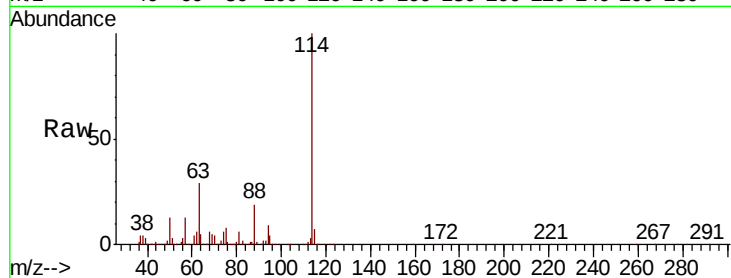
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

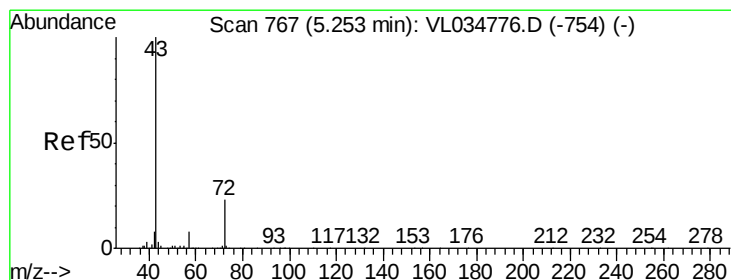
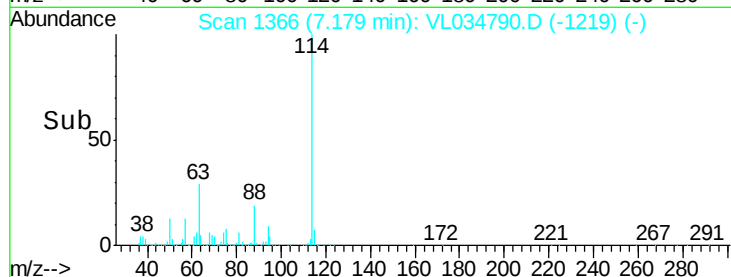
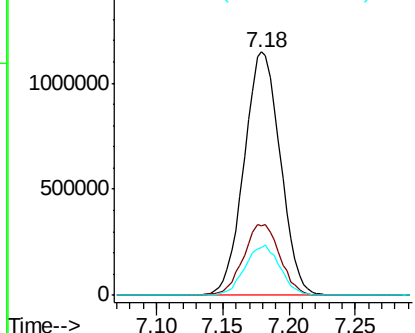
Tot Ion	Ratio	Lower	Upper
114	100		
63	29.8	23.6	35.4
88	20.0	15.8	23.8

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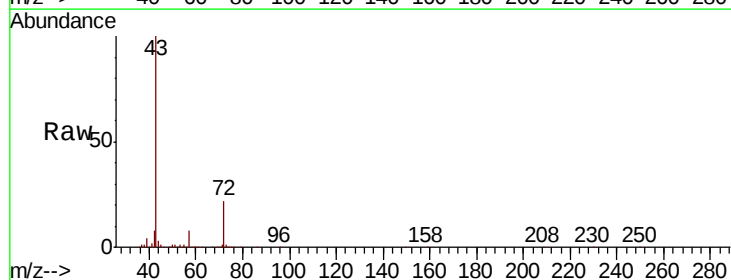


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

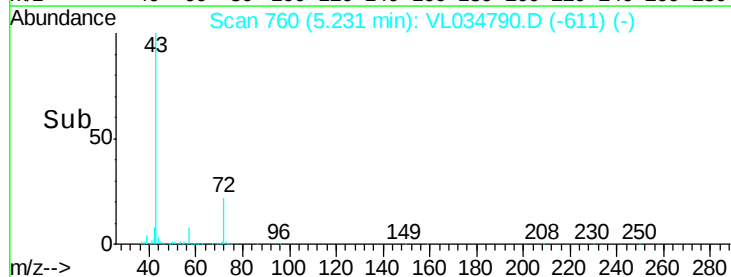
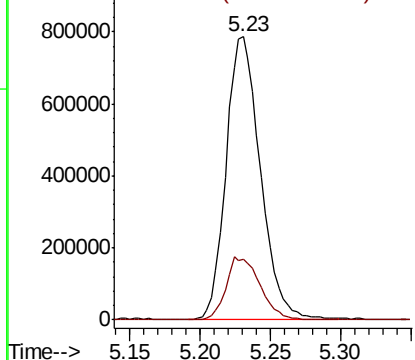


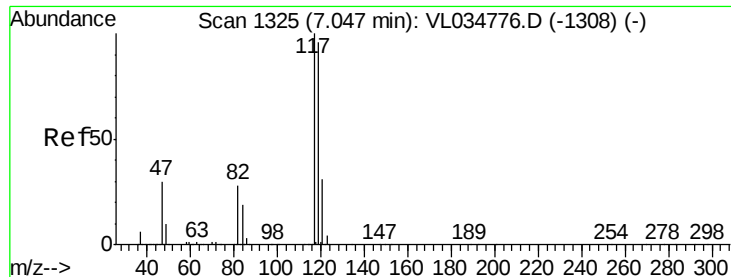
#34
 2-Butanone
 Concen: 9.389 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.5	26.3



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





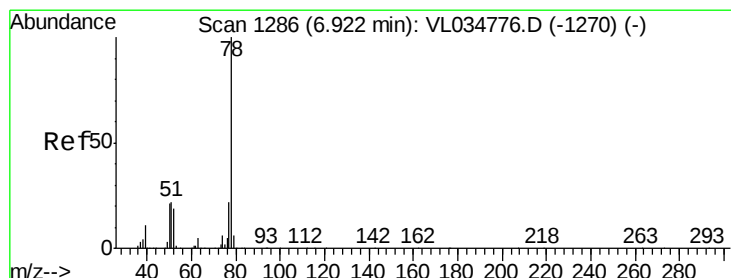
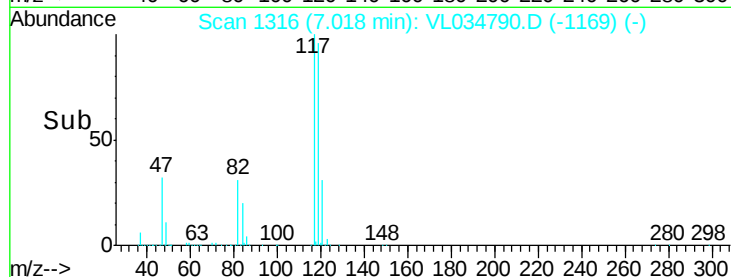
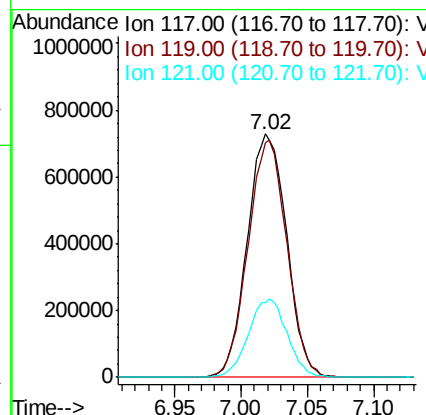
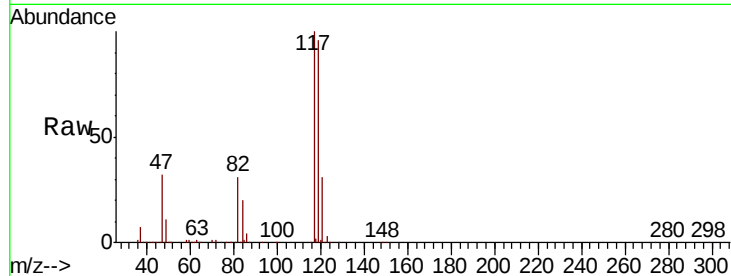
#35
Carbon Tetrachloride
Concen: 9.158 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	30.6	24.6	37.0

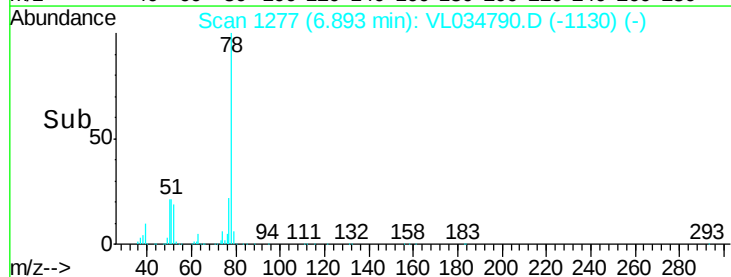
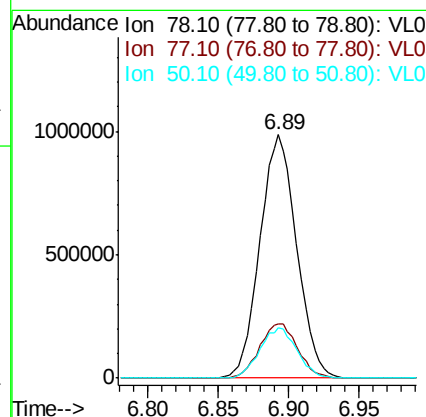
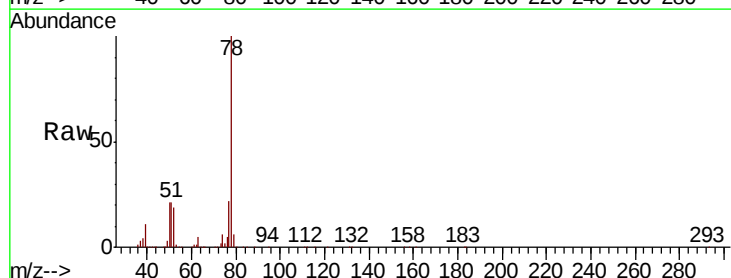
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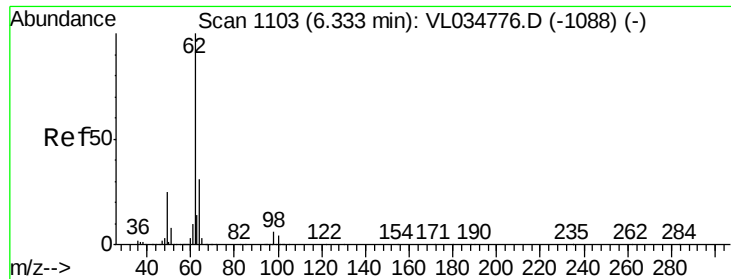
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#36
Benzene
Concen: 9.616 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.0	27.0
50	20.7	16.9	25.3





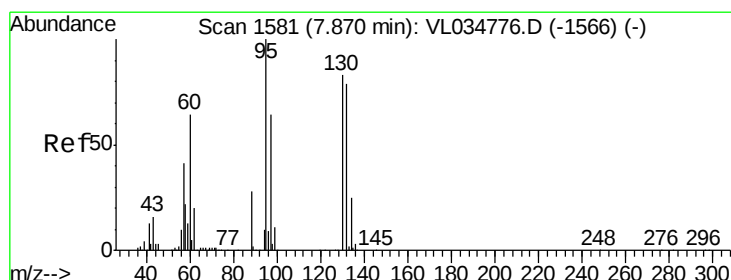
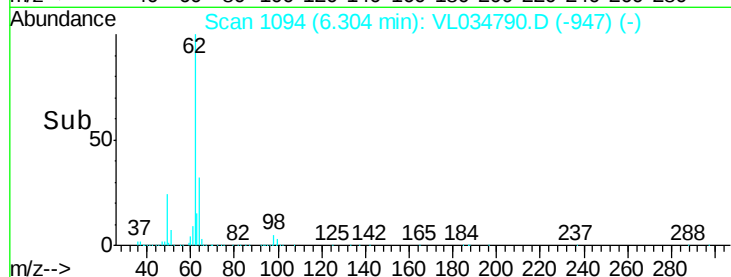
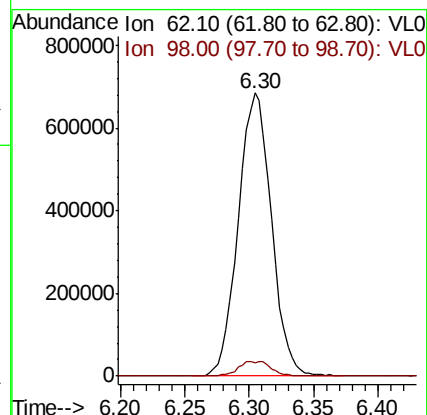
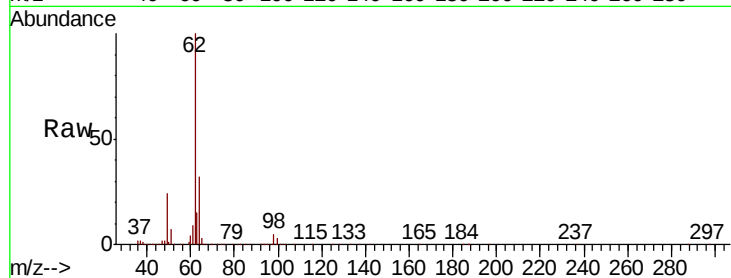
#37
 1,2-Dichloroethane
 Concen: 9.624 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.4	6.6

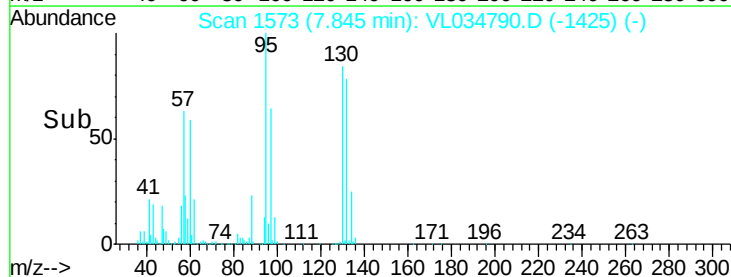
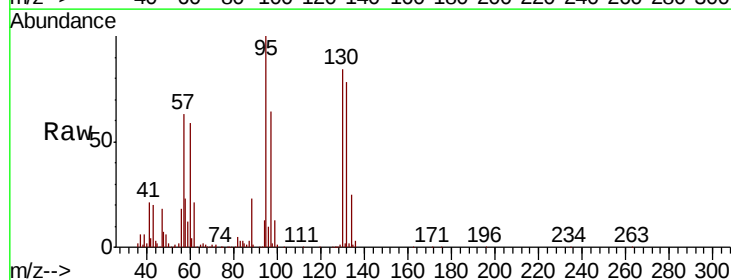
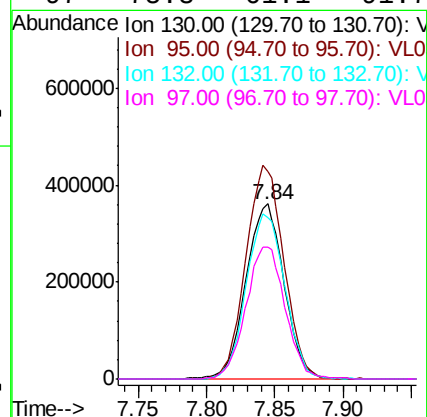
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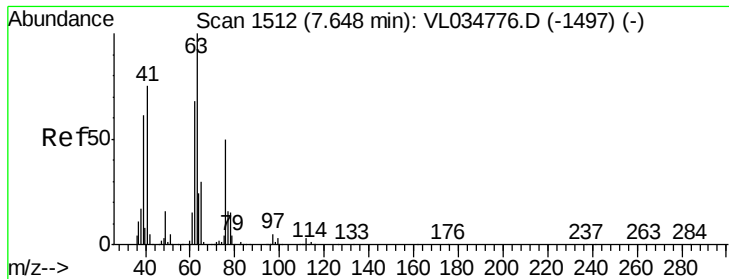
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#38
 Trichloroethene
 Concen: 9.522 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	118.7	95.8	143.8
132	92.0	76.1	114.1
97	75.8	61.1	91.7





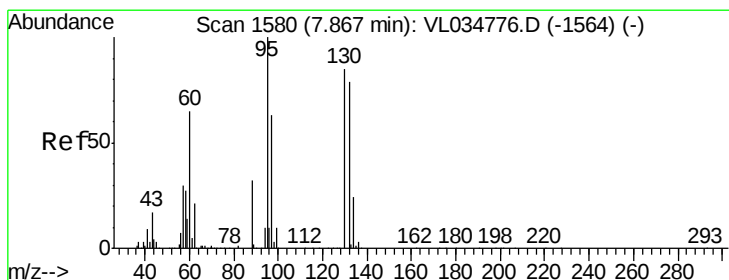
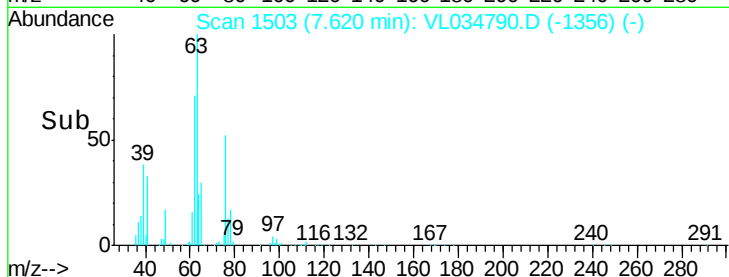
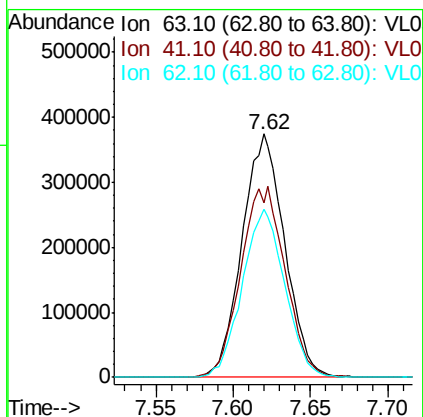
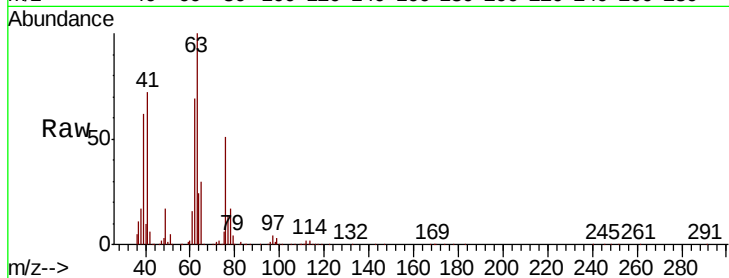
#39
 1,2-Dichloropropane
 Concen: 9.520 ppbv
 RT: 7.62 min Scan# 1503
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	716556
Ion Ratio		Lower	Upper
63	100		
41	71.4	60.3	90.5
62	69.0	54.5	81.7

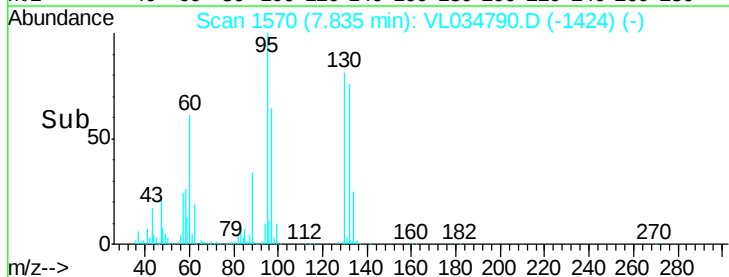
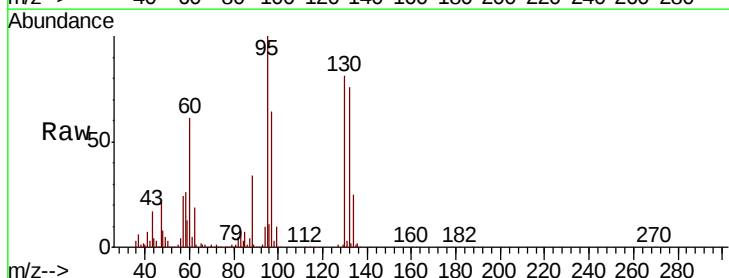
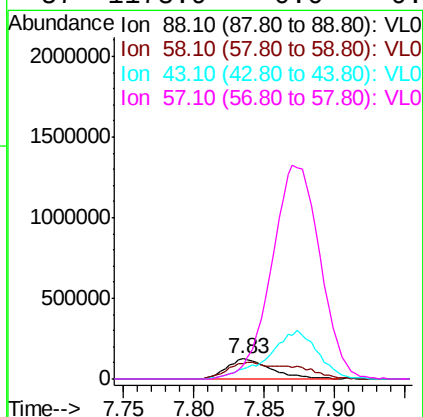
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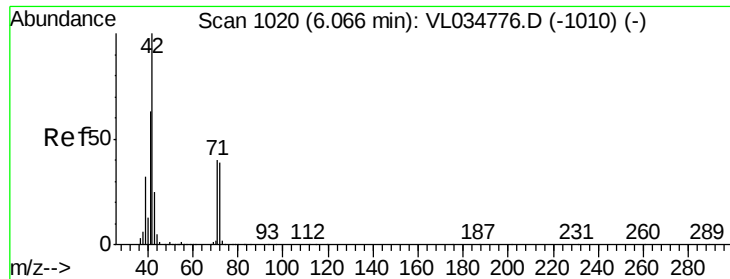
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#40
 1,4-Dioxane
 Concen: 10.328 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion:	88	Resp:	268870
Ion Ratio		Lower	Upper
88	100		
58	136.2	110.6	166.0
43	275.1	0.0	0.0#
57	1178.9	0.0	0.0#





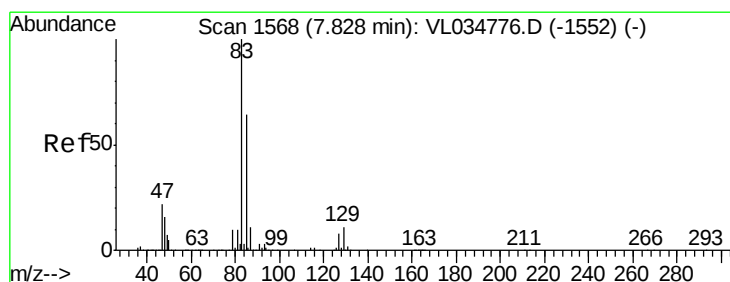
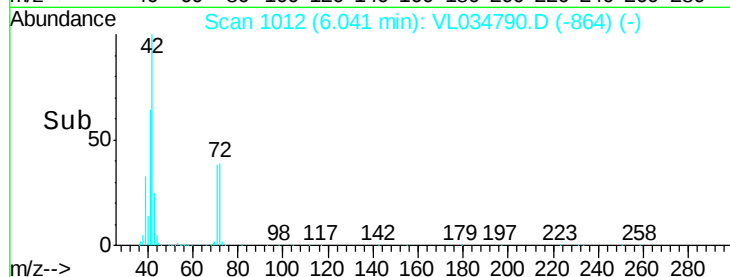
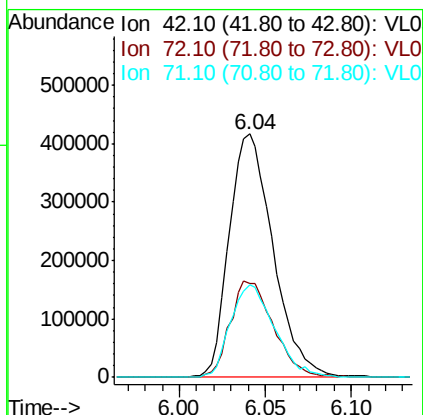
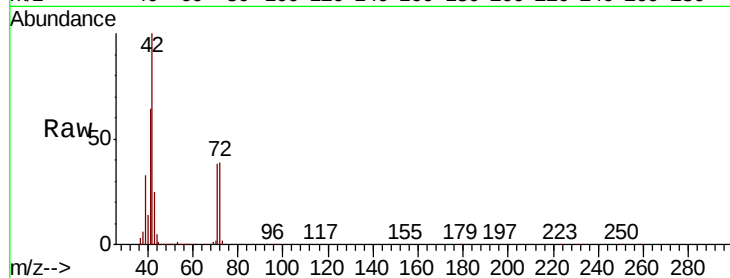
#41
Tetrahydrofuran
Concen: 10.180 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.0	48.0
71	38.2	31.3	46.9

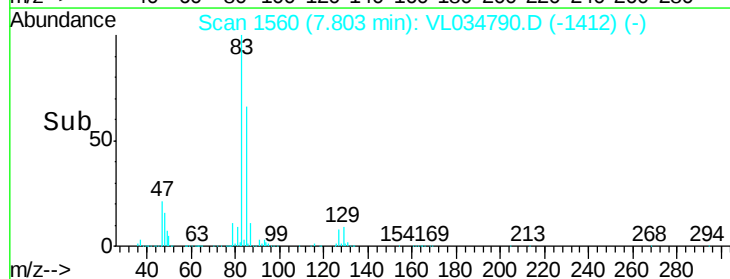
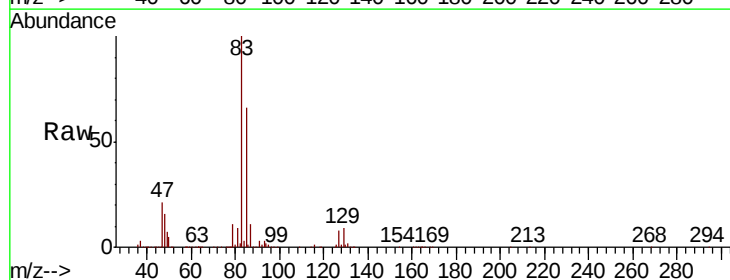
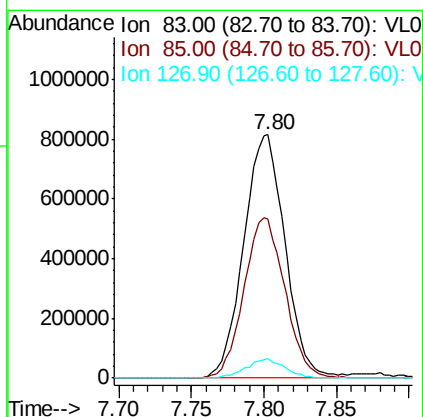
Manual Integrations
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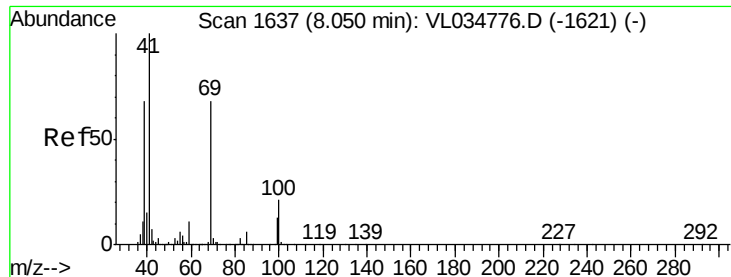
MMDadoda
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#42
Bromodichloromethane
Concen: 10.019 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.8	76.2
127	8.1	6.5	9.7





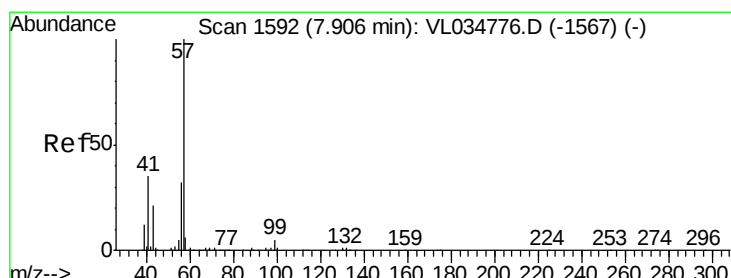
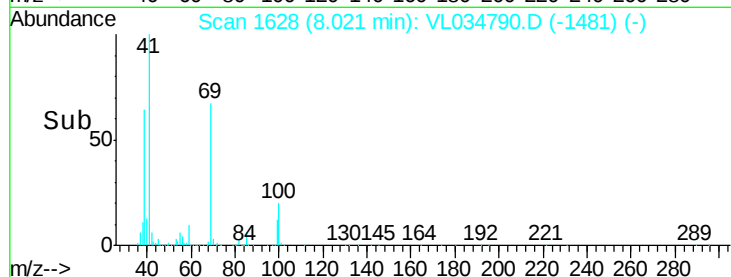
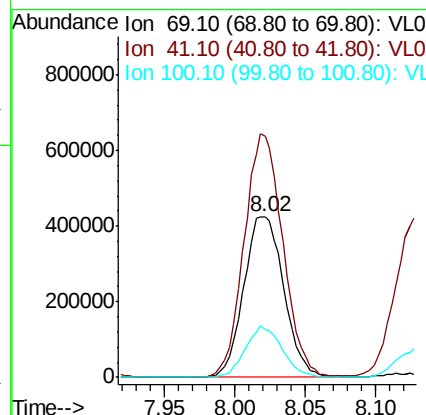
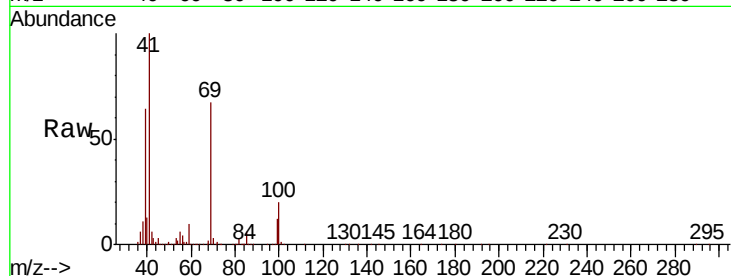
#43
Methvl Methacrylate
Concen: 10.710 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.1	121.6	182.4	
100	29.5	23.8	35.8	

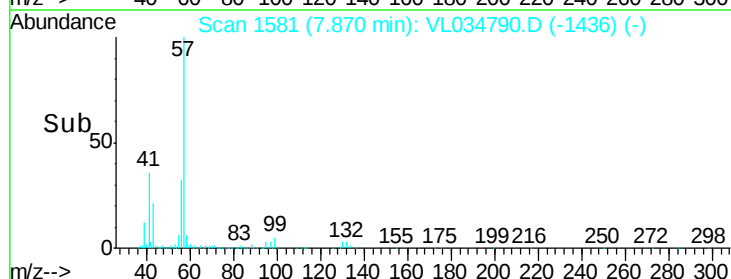
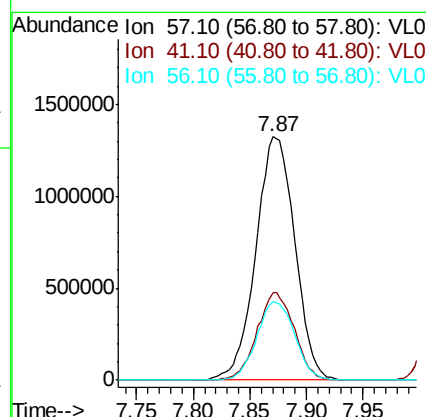
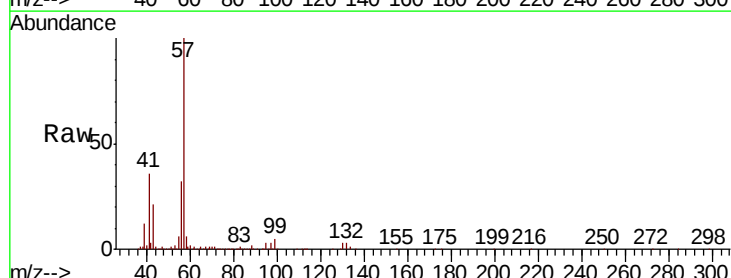
Manual Integrations
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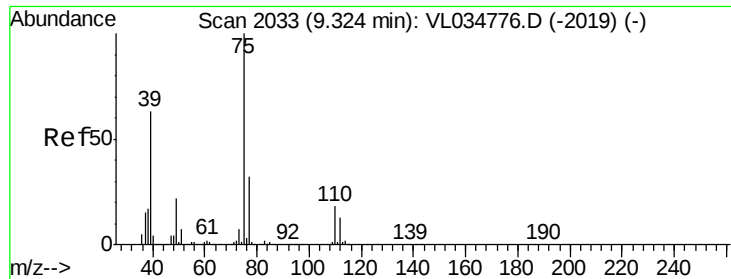
MMDadoda
3/9/2020 9:18:09 AM



#44
2,2,4-Trimethylpentane
Concen: 9.713 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	34.5	27.4	41.0	
56	31.5	25.0	37.6	





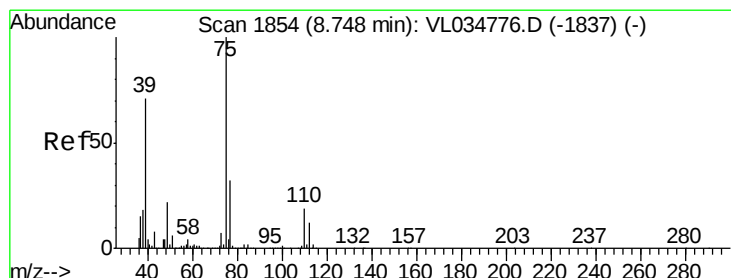
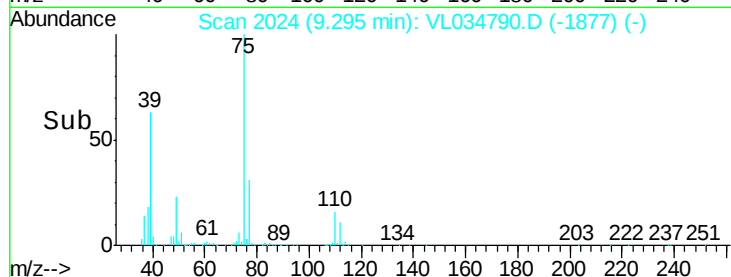
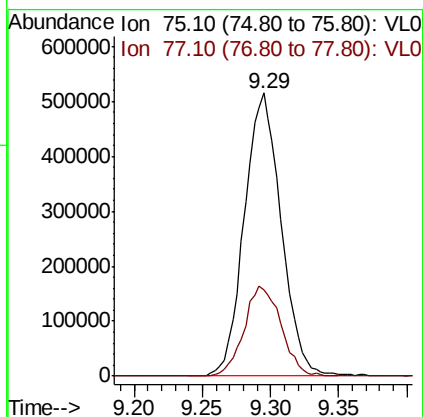
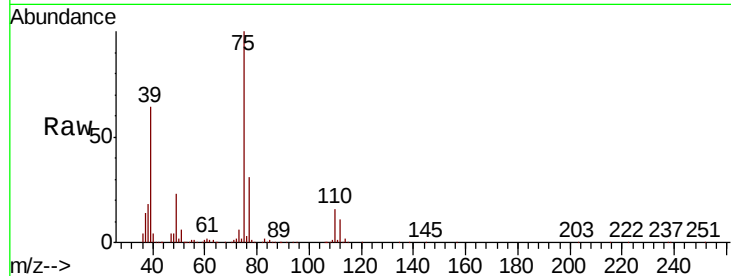
#45
t-1,3-Dichloropropene
Concen: 11.619 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.6	38.4

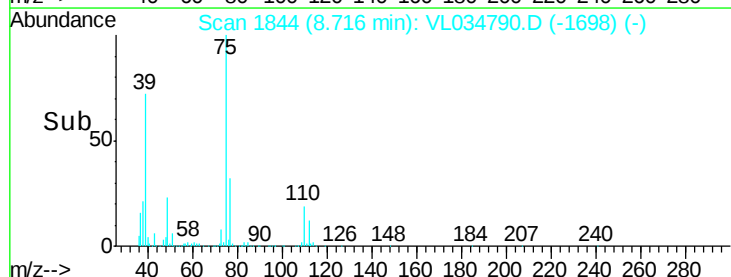
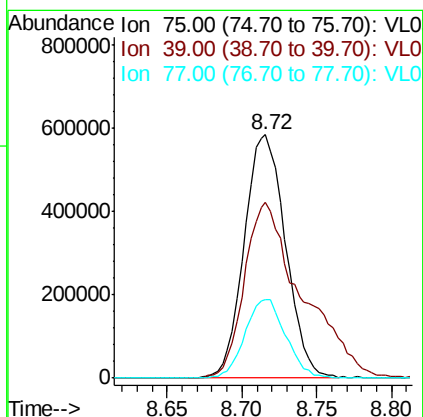
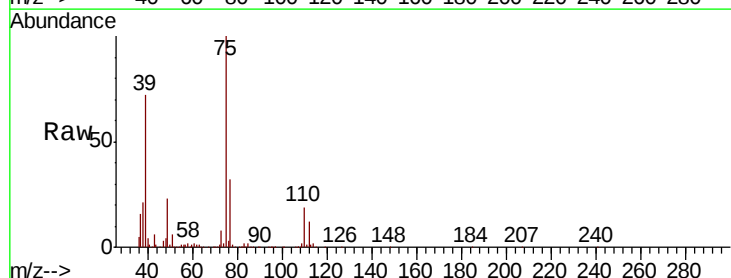
Manual Integrations
APPROVED

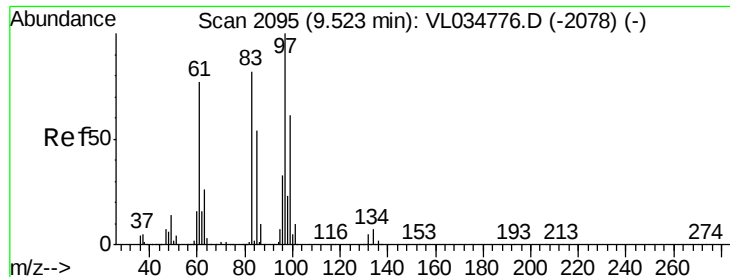
MMDadoda
3/9/2020 9:18:09 AM



#46
cis-1,3-Dichloropropene
Concen: 11.085 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
75	100		
39	72.3	56.9	85.3
77	32.4	25.7	38.5





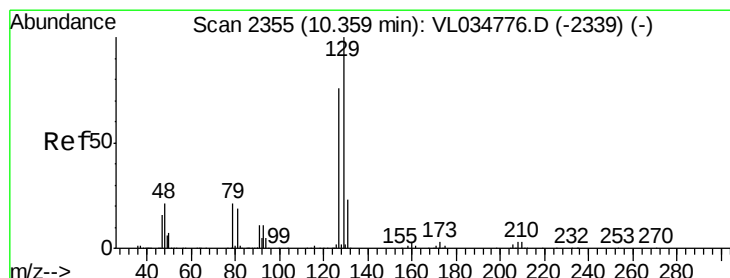
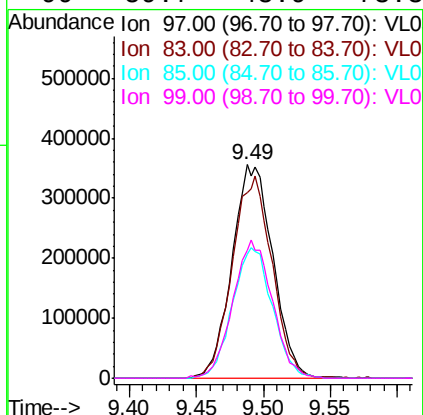
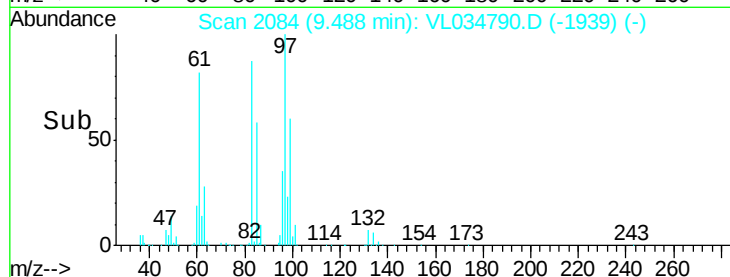
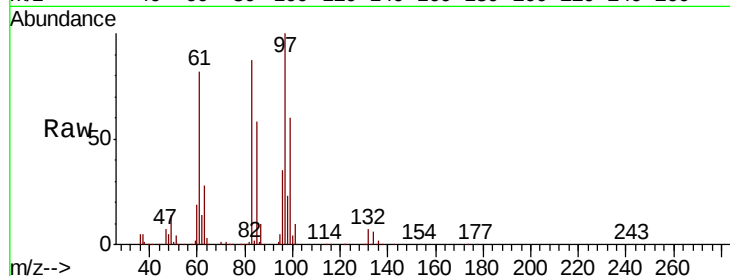
#47
 1,1,2-Trichloroethane
 Concen: 9.489 ppbv m
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	754034
Ion	Ratio	Lower	Upper
97	100		
83	86.9	65.2	97.8
85	58.1	43.6	65.4
99	59.7	48.9	73.3

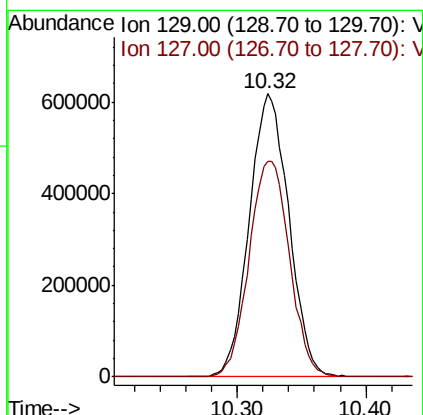
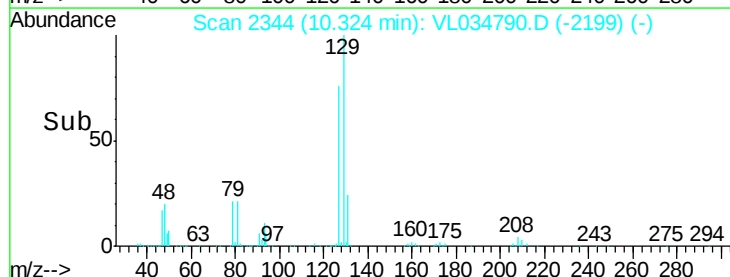
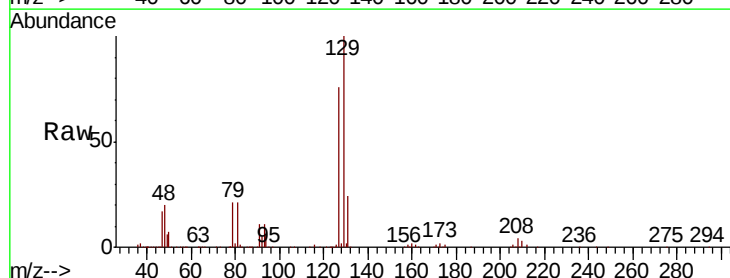
Manual Integrations
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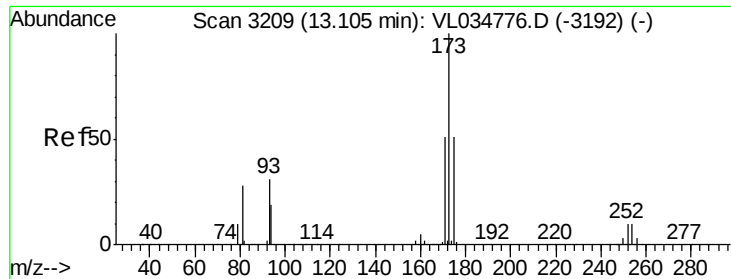
MMDadoda
 3/9/2020 9:18:09 AM



#48
 Dibromochloromethane
 Concen: 10.637 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion:	129	Resp:	1321811
Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0





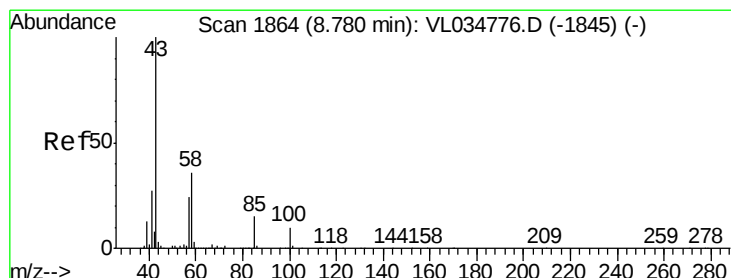
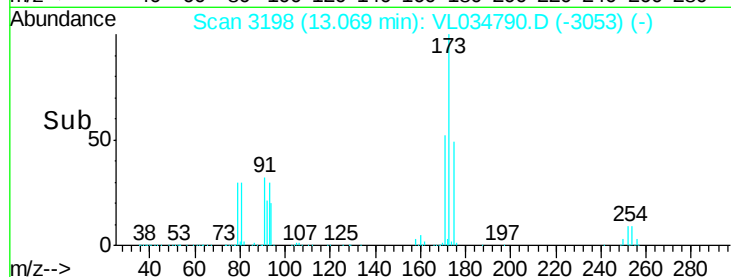
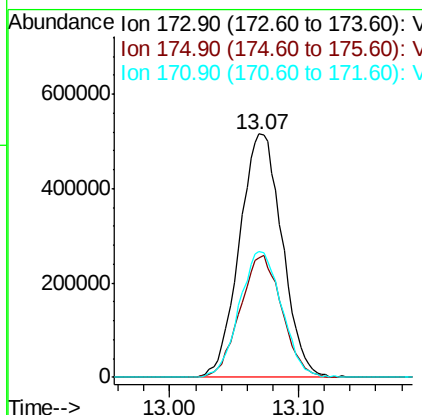
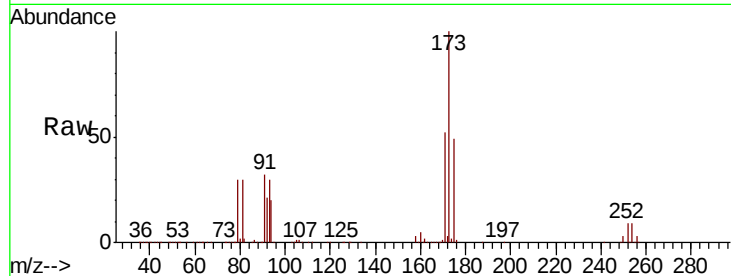
#49
Bromoform
Concen: 10.951 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:173 Resp: 1187394
Ion Ratio Lower Upper
173 100
175 49.0 39.8 59.6
171 51.5 41.0 61.4

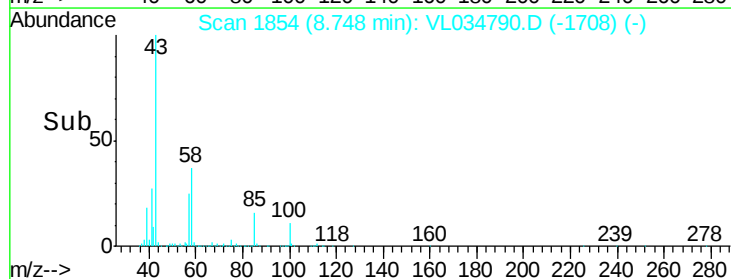
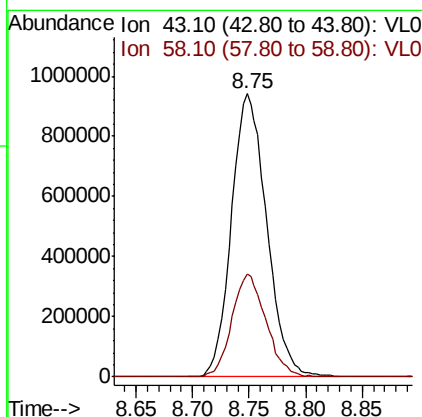
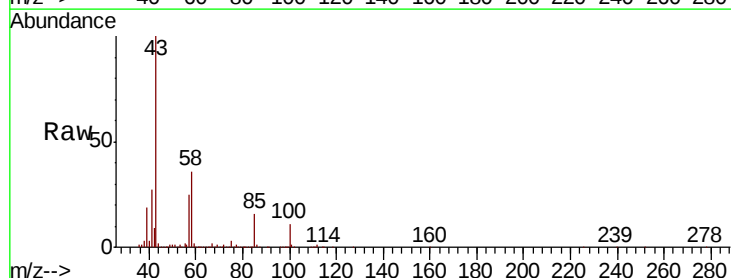
Manual Integrations
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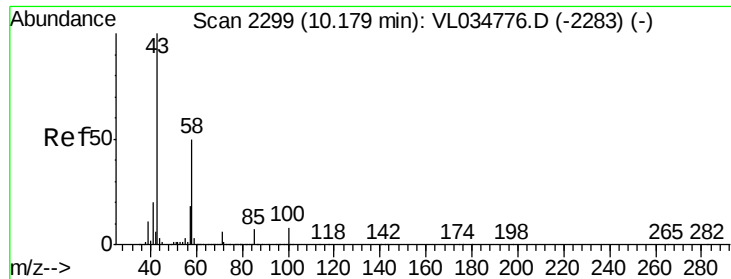
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.995 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion: 43 Resp: 2033643
Ion Ratio Lower Upper
43 100
58 35.3 28.7 43.1





#51

2-Hexanone

Concen: 10.531 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1680749

Ion Ratio Lower Upper

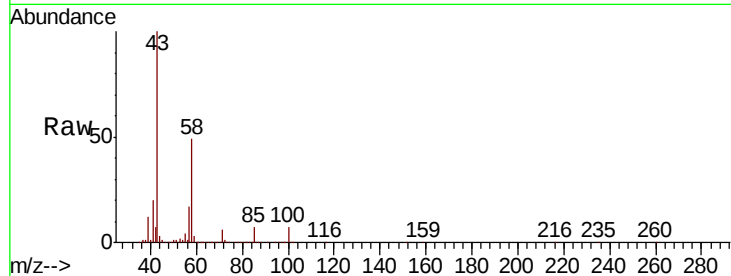
43 100

58 48.0 38.6 58.0

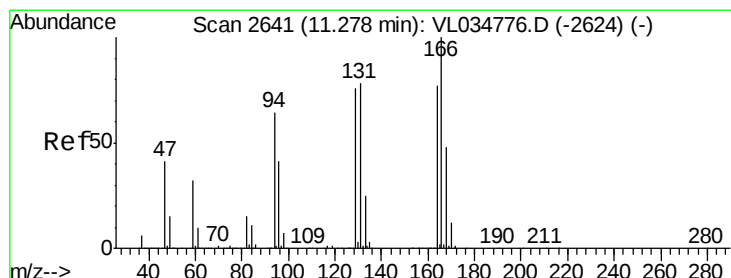
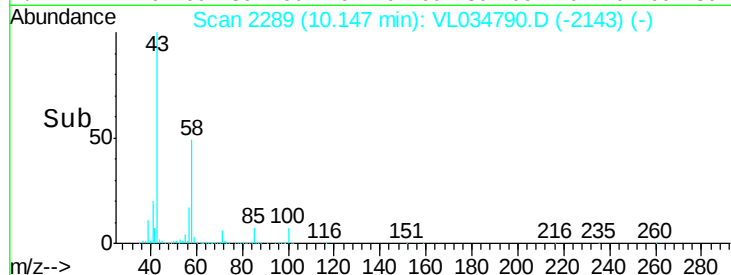
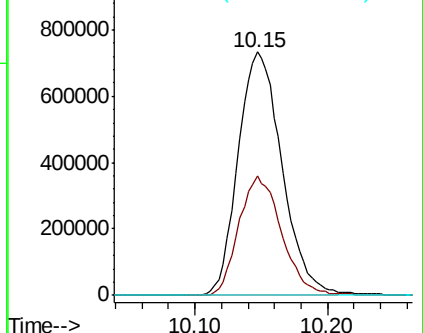
98 0.2 0.2 0.4

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.334 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Tgt Ion: 164 Resp: 643147

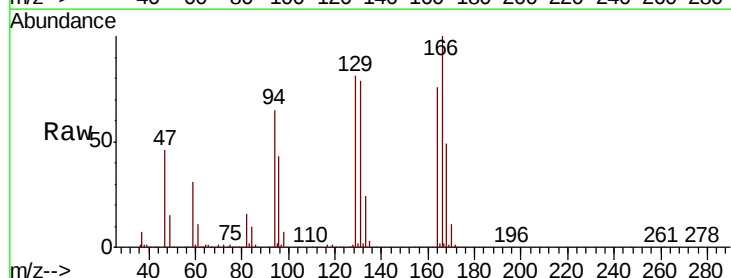
Ion Ratio Lower Upper

164 100

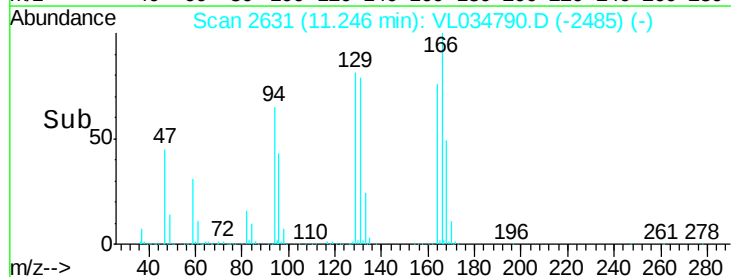
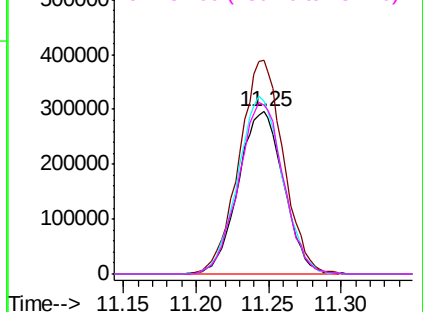
166 131.1 103.3 154.9

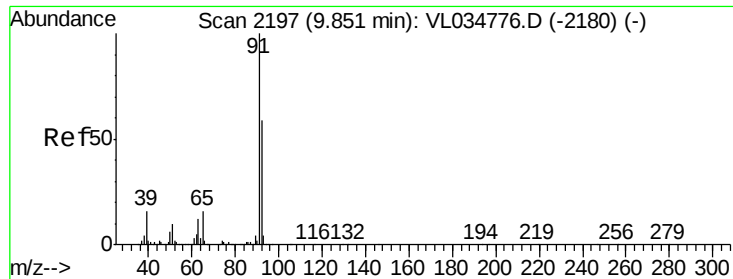
129 106.5 79.0 118.4

131 103.7 81.0 121.4



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.466 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2065896

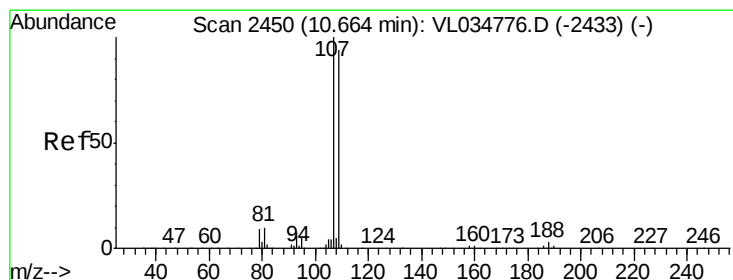
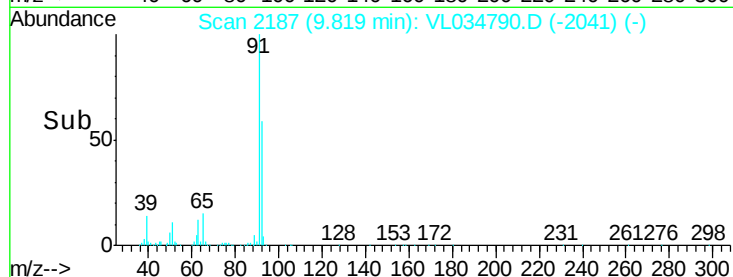
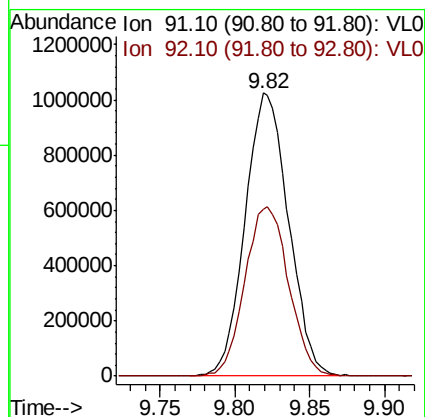
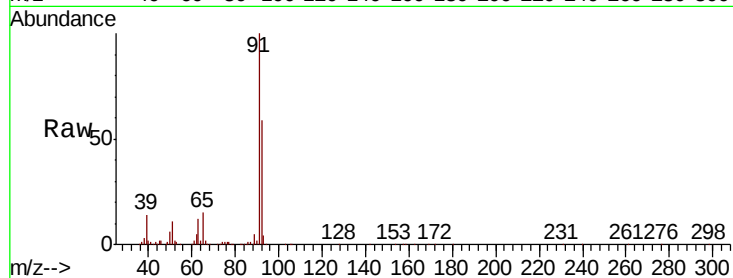
Ion Ratio Lower Upper

91 100

92 60.7 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.957 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.03 min

Lab File: VL034790.D

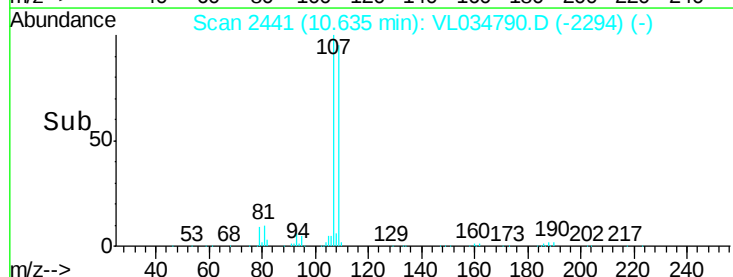
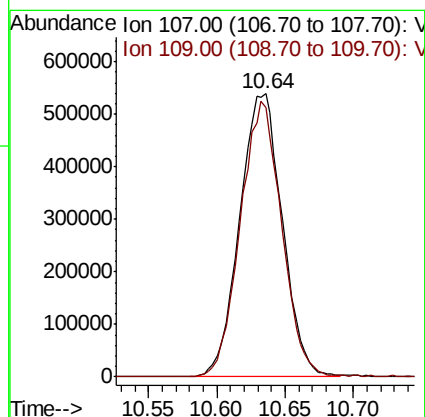
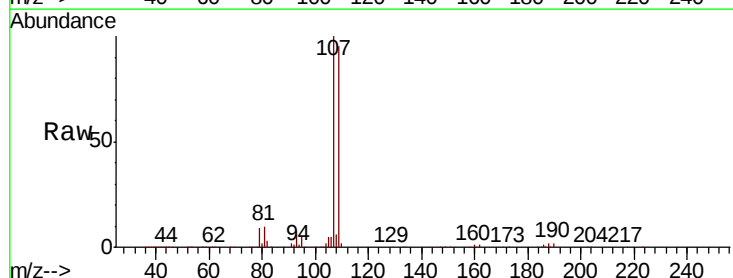
Acq: 5 Mar 2020 9:39

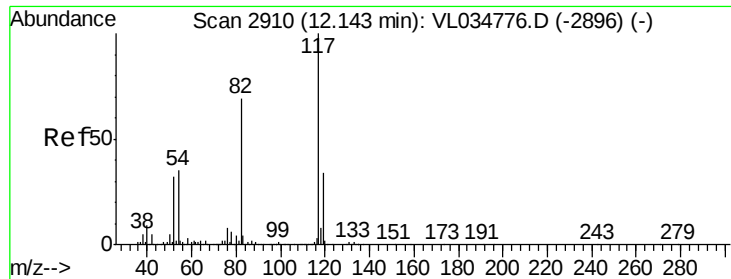
Tgt Ion: 107 Resp: 1169942

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.6





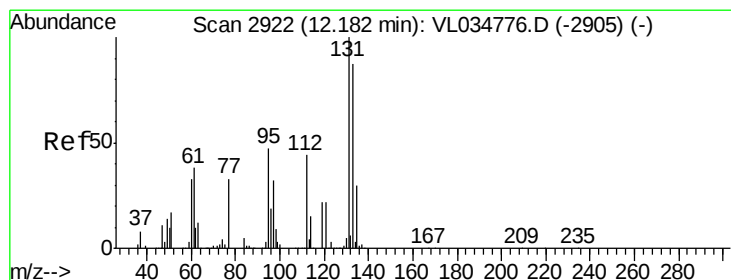
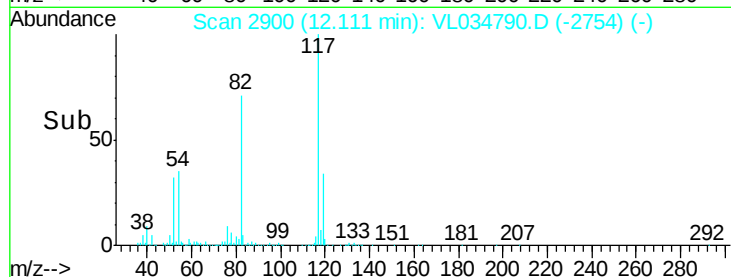
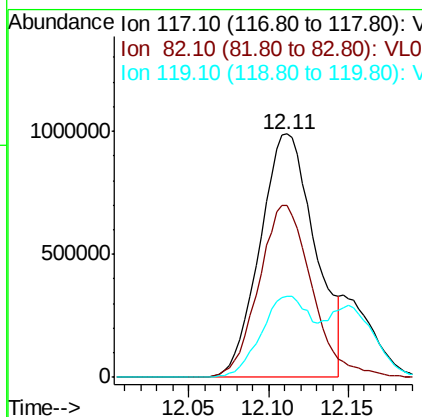
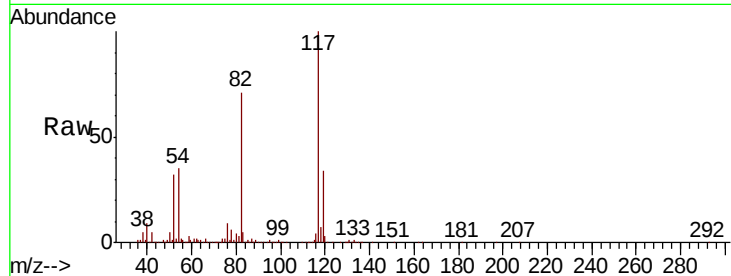
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	53.9	80.9
119	33.9	25.0	37.4

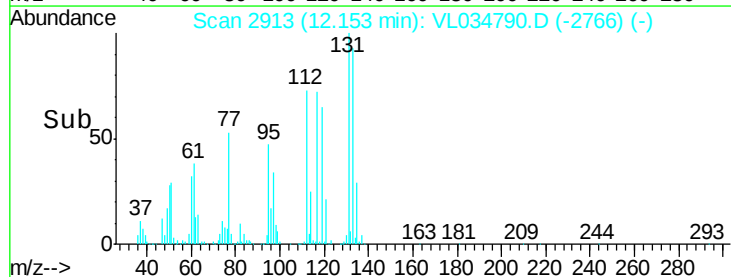
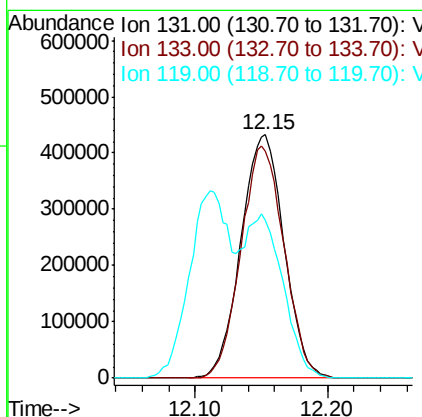
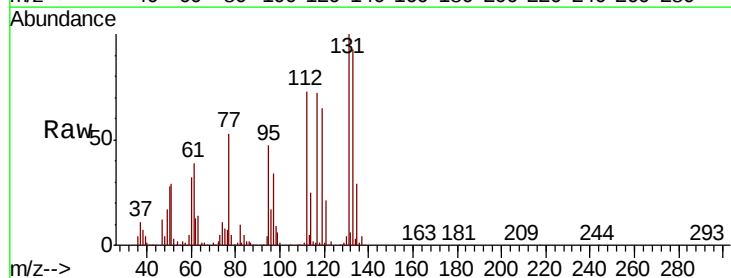
Manual Integrations
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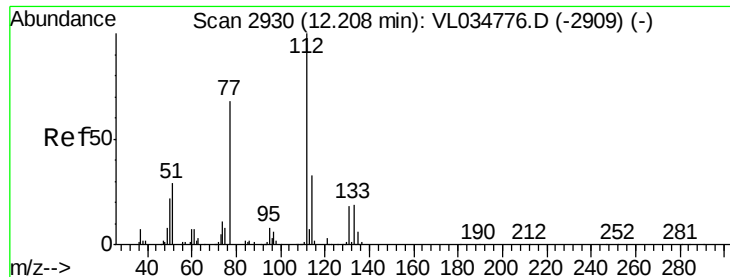
MMDadoda
3/9/2020 9:18:09 AM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.340 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	75.4	113.0
119	58.2	110.5	165.7#





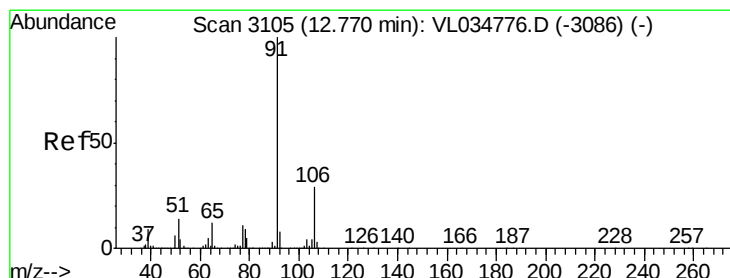
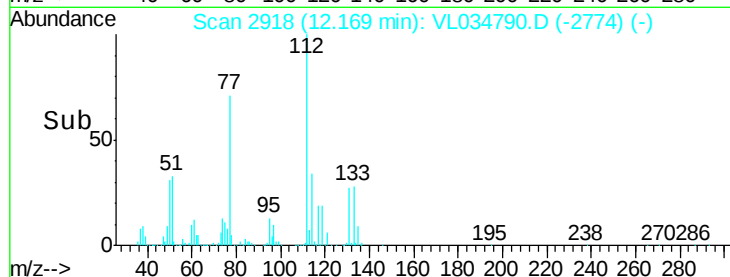
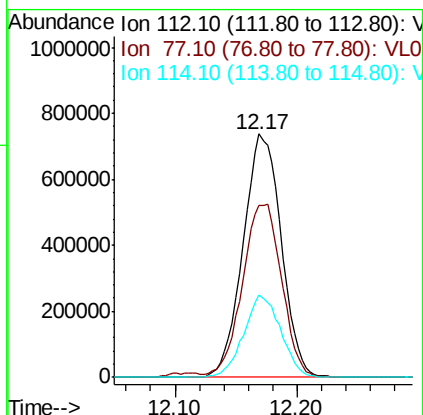
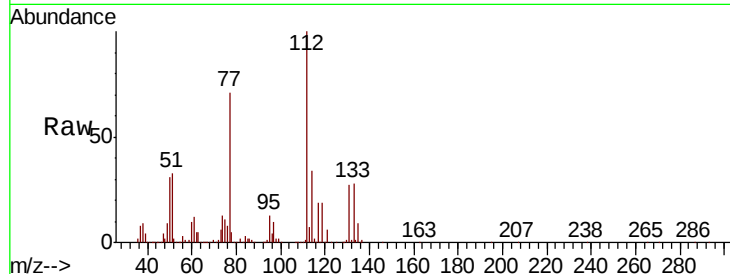
#57
Chlorobenzene
Concen: 8.810 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.4	55.6	83.4
114	33.8	29.4	36.0

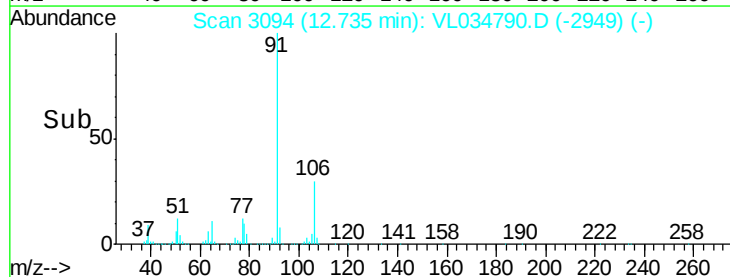
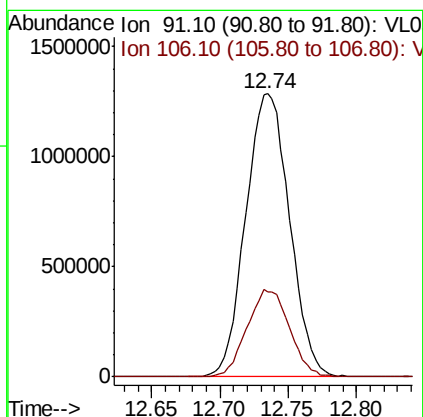
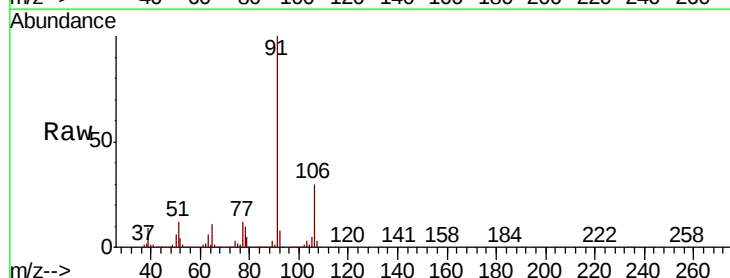
Manual Integrations
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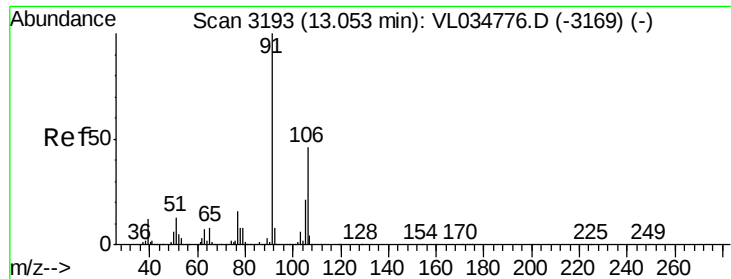
MMDadoda
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#58
Ethyl Benzene
Concen: 9.831 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	22.8	34.2





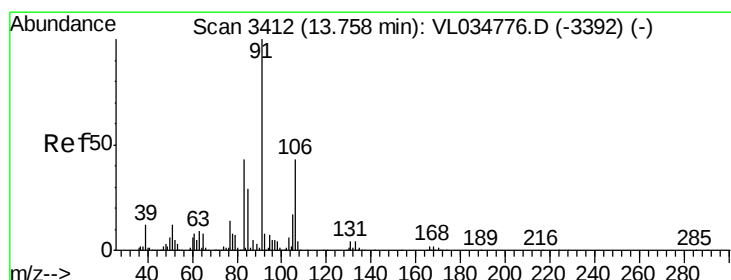
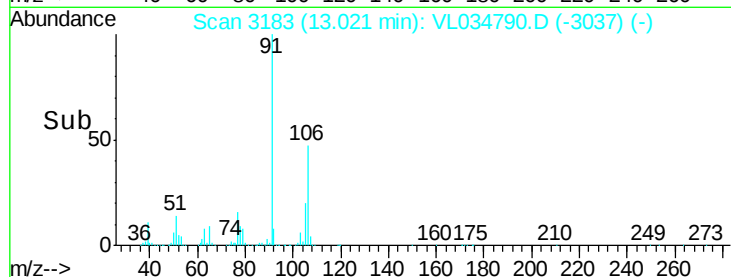
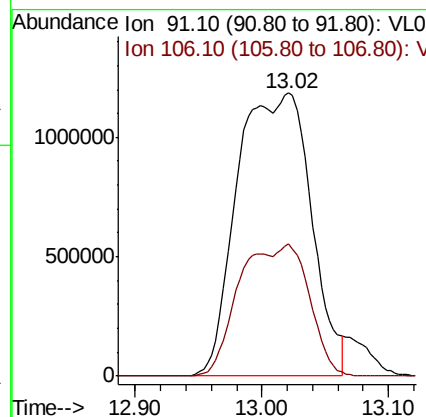
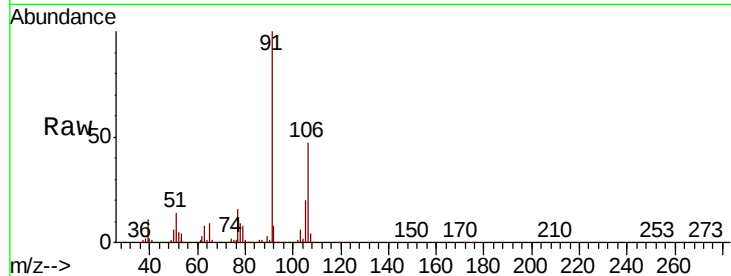
#59
m/p-Xylene
Concen: 19.026 ppbv m
RT: 13.02 min Scan# 3183
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 4794648
Ion Ratio Lower Upper
91 100
106 44.4 35.8 53.8

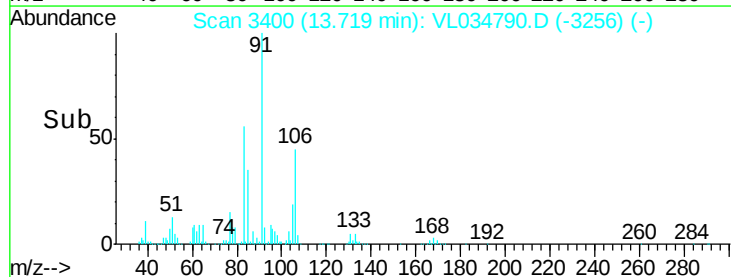
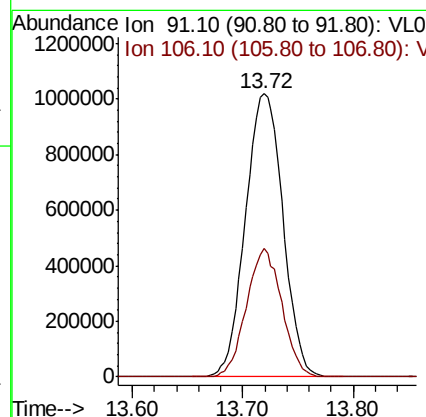
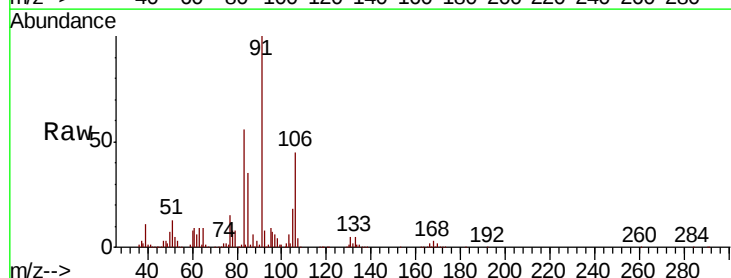
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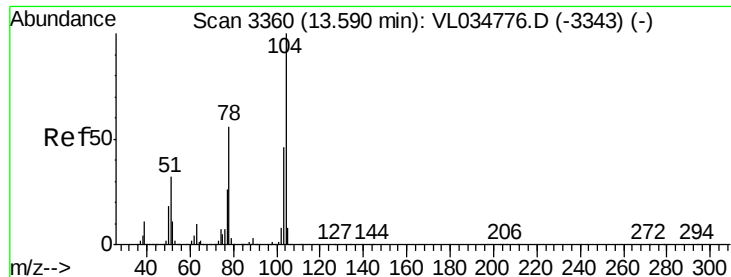
MMDadoda
3/9/2020 9:18:09 AM



#60
o-Xylene
Concen: 9.417 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion: 91 Resp: 2401129
Ion Ratio Lower Upper
91 100
106 42.9 21.7 65.1





#61

Stvrene

Concen: 10.662 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

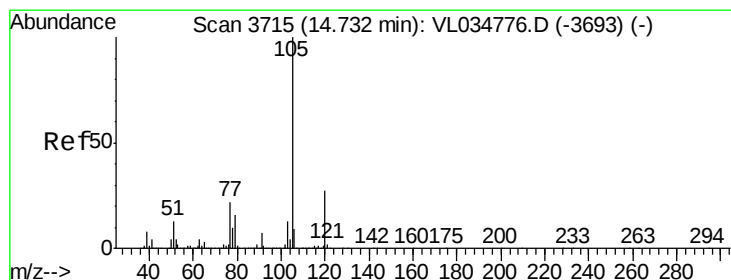
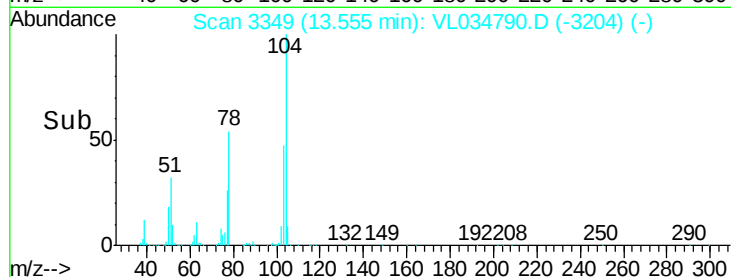
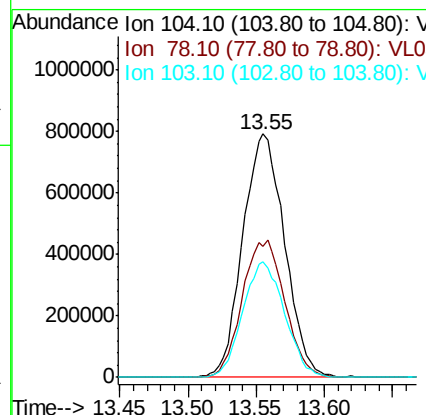
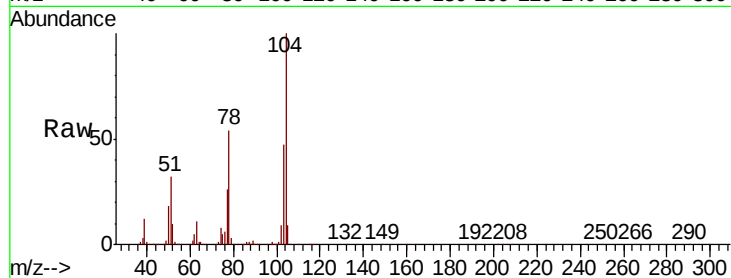
ClientSampled :

VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.4	44.7	67.1
103	47.4	38.2	57.2

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#62

Isopropylbenzene

Concen: 9.219 ppbv

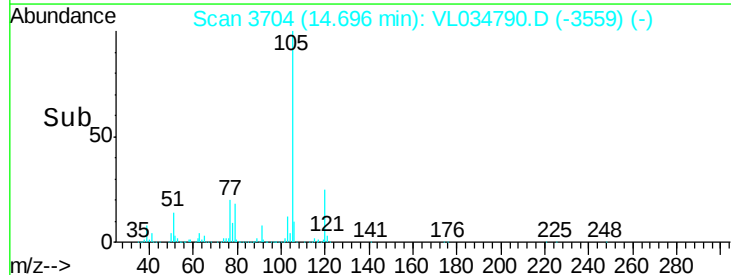
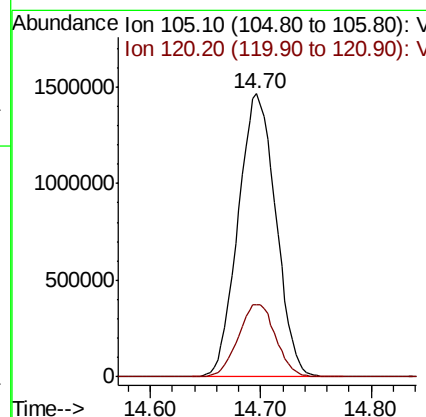
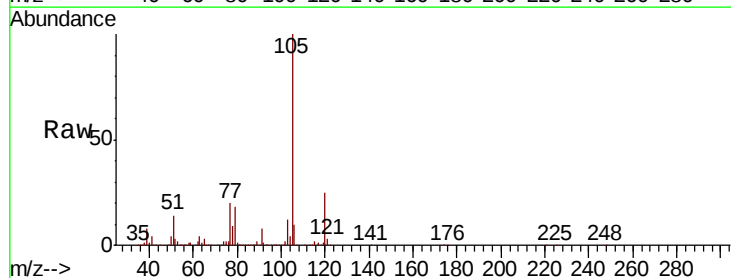
RT: 14.70 min Scan# 3704

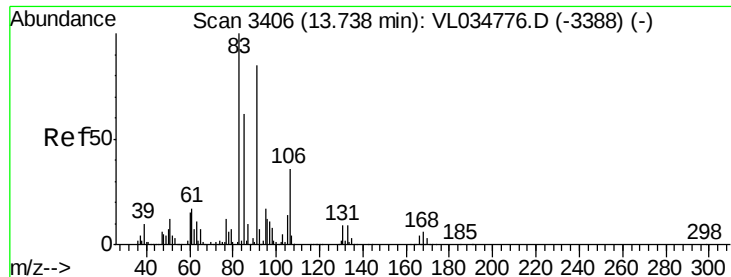
Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7





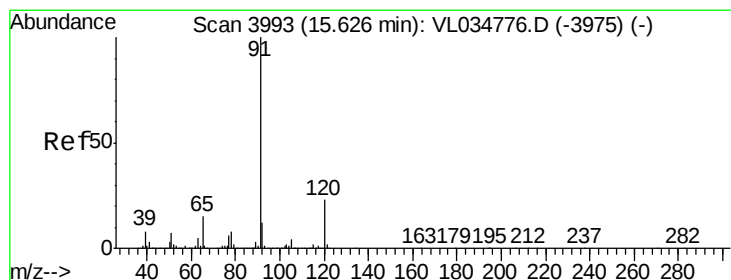
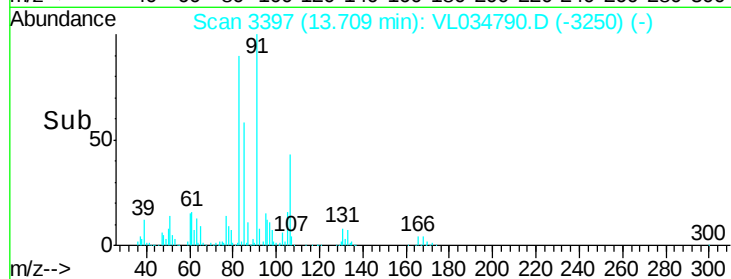
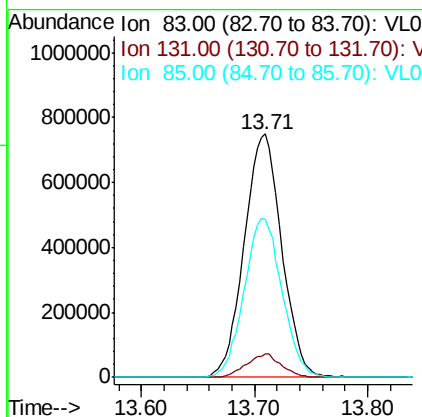
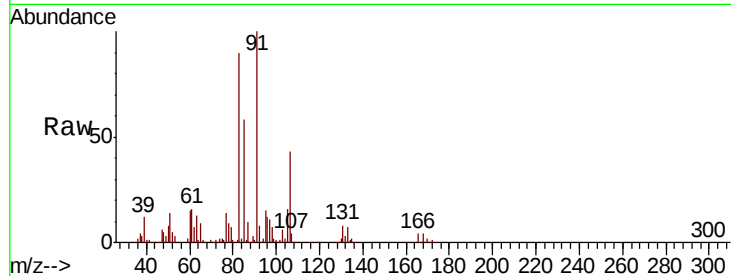
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.588 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	131	85
Resp	1726159	9.1	66.1
Lower		4.7	32.9
Upper		14.0	98.7

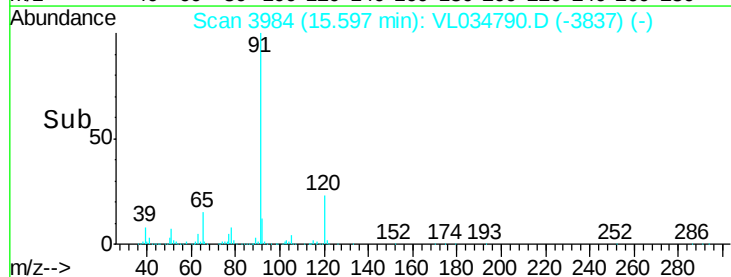
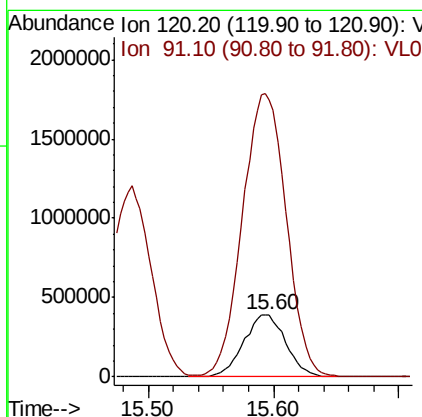
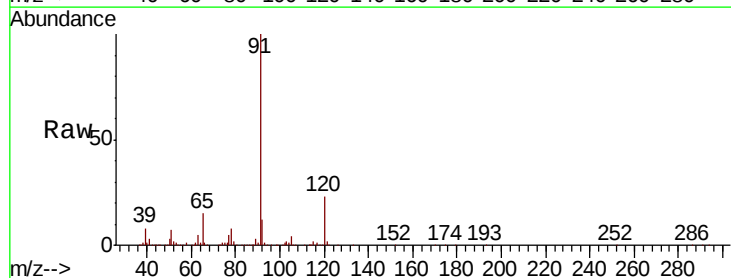
Manual Integrations
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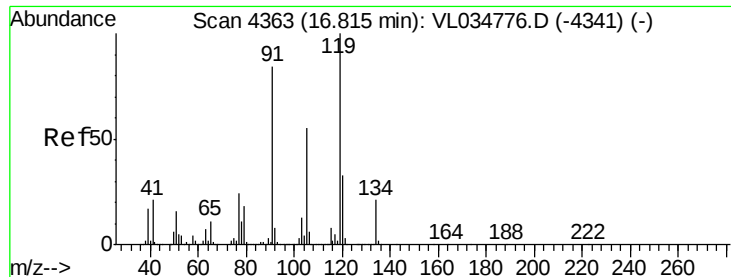
MMDadoda
 3/9/2020 9:18:09 AM



#64
 n-propylbenzene
 Concen: 9.691 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion	120	91
Resp	911887	474.6
Lower		379.4
Upper		569.2





#65

tert-Butylbenzene

Concen: 9.645 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampled :

VSTDCCC010

Tot Ion:119 Resp: 3058761

Ion Ratio Lower Upper

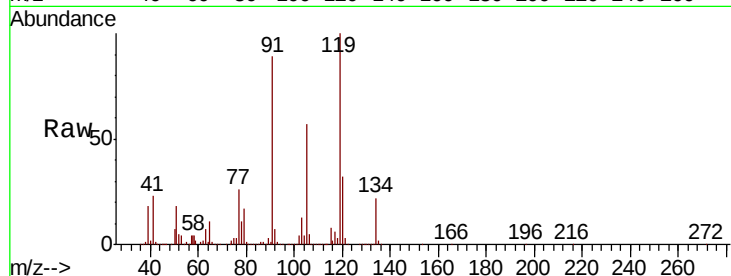
119 100

91 87.8 69.8 104.6

134 19.8 15.9 23.9

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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

1500000

1000000

500000

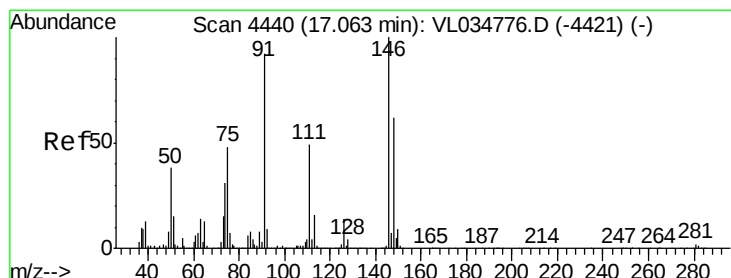
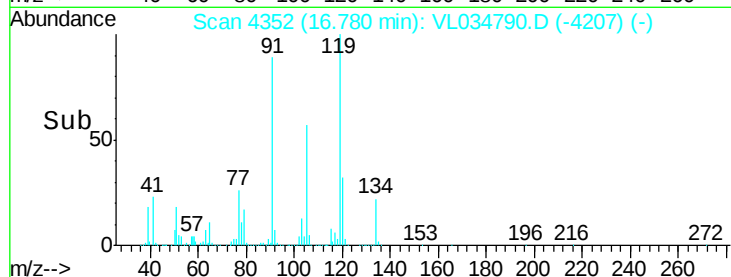
0

16.78

16.70

16.80

Time-->



#66

Benzyl Chloride

Concen: 11.706 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

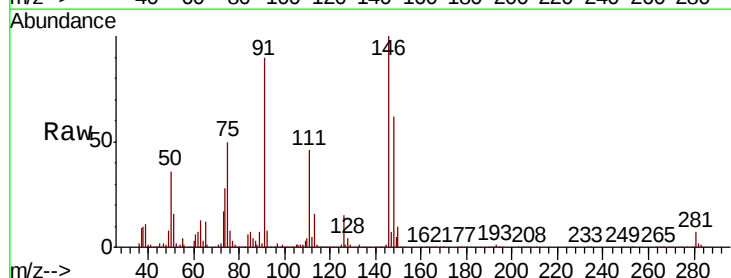
Tgt Ion: 91 Resp: 1200177

Ion Ratio Lower Upper

91 100

126 15.8 12.6 18.8

128 5.0 4.3 6.5



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

600000

400000

200000

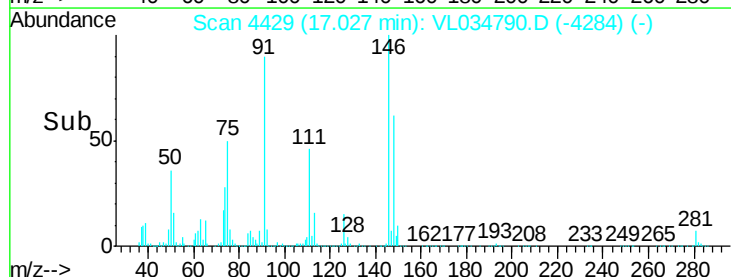
0

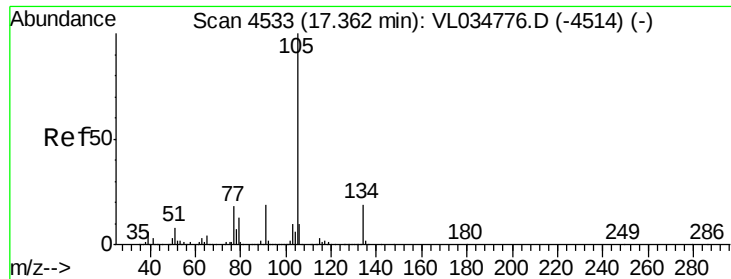
17.03

16.90

17.10

Time-->





#67

sec-Butylbenzene

Concen: 9.413 ppbv

RT: 17.33 min Scan# 4523

Delta R.T. -0.03 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4349913

Ion Ratio Lower Upper

105 100

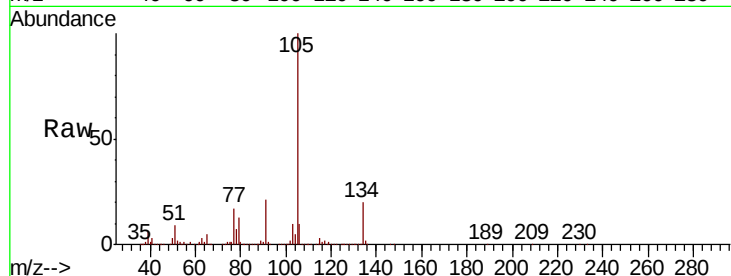
134 18.4 14.7 22.1

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

1000000

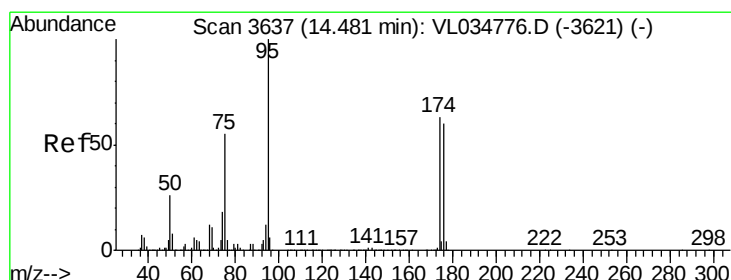
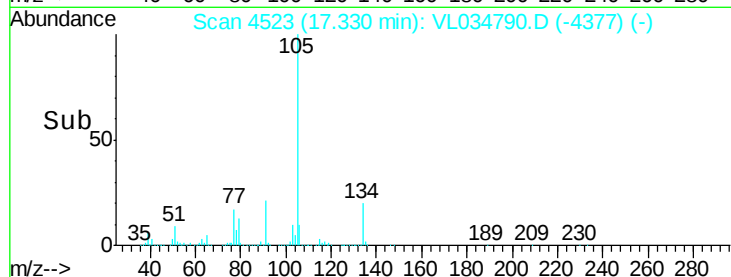
500000

0

17.33

17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.592 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

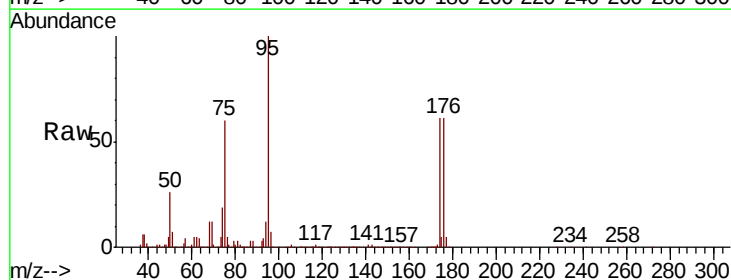
Tgt Ion: 95 Resp: 1889500

Ion Ratio Lower Upper

95 100

174 63.6 50.6 76.0

175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

600000

400000

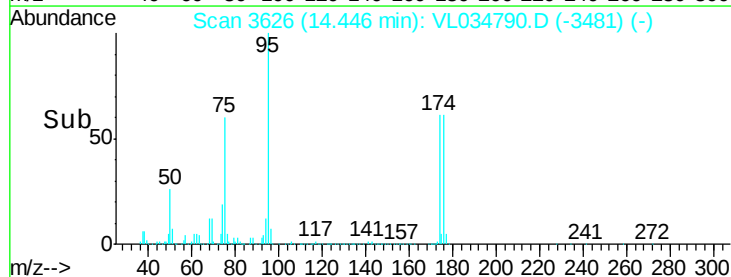
200000

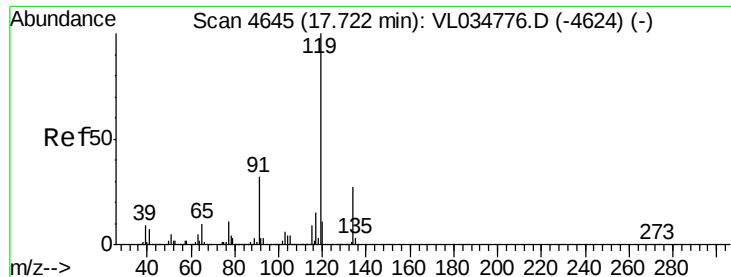
0

14.45

14.50

Time-->





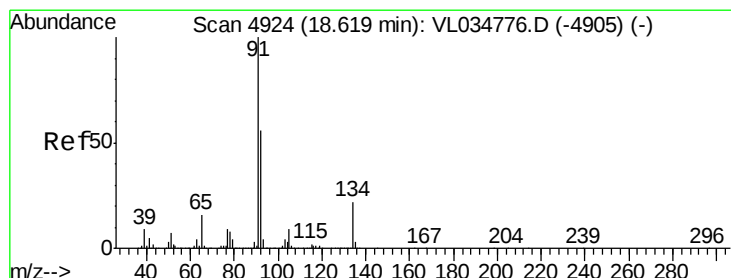
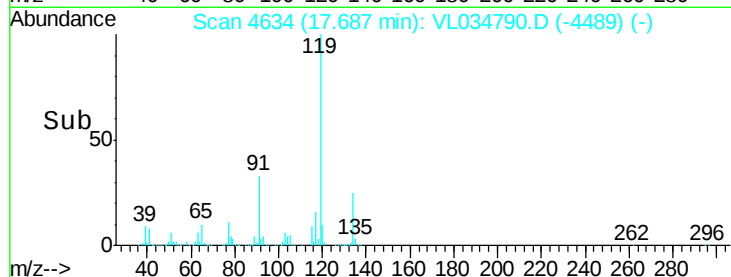
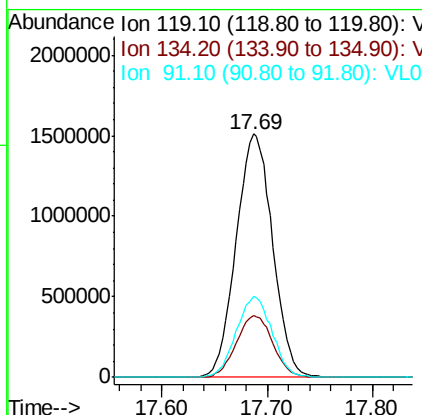
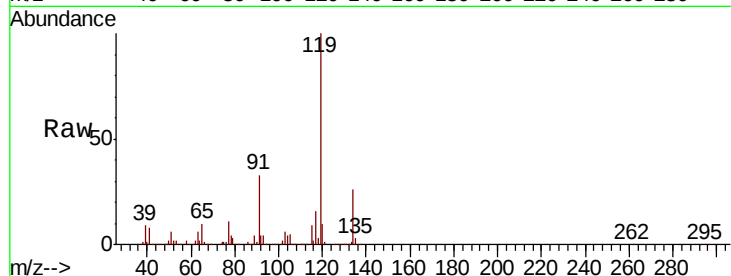
#69
 p-Isopropyltoluene
 Concen: 9.684 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	32.7	25.3	37.9

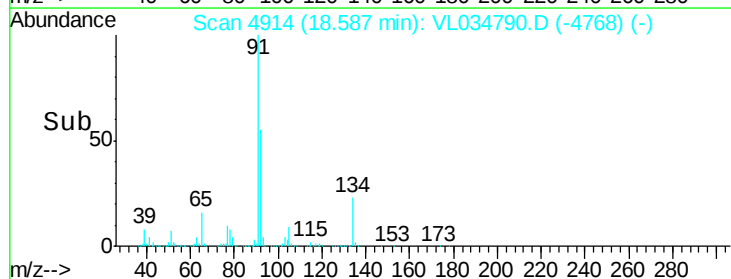
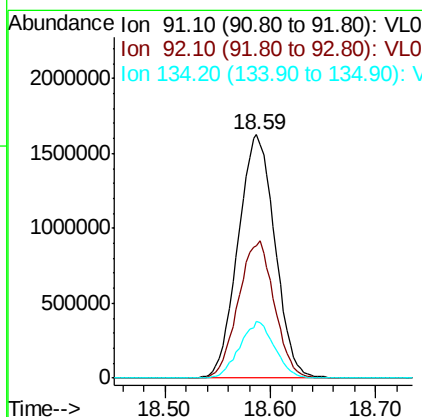
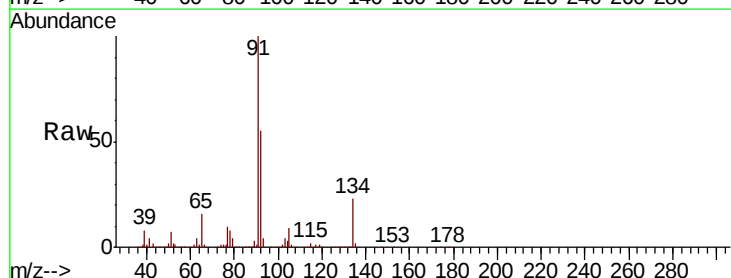
Manual Integrations
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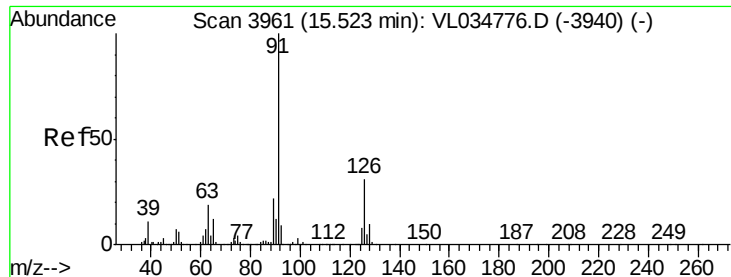
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#70
 n-Butylbenzene
 Concen: 9.652 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.0	66.0
134	22.0	17.7	26.5





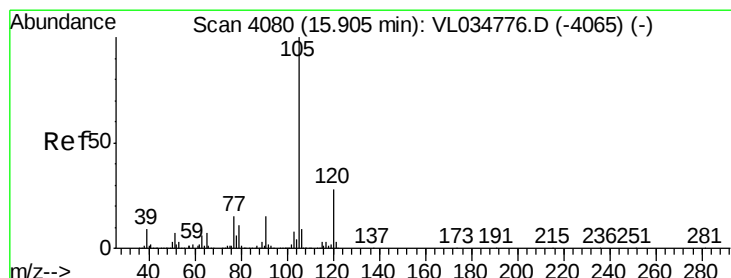
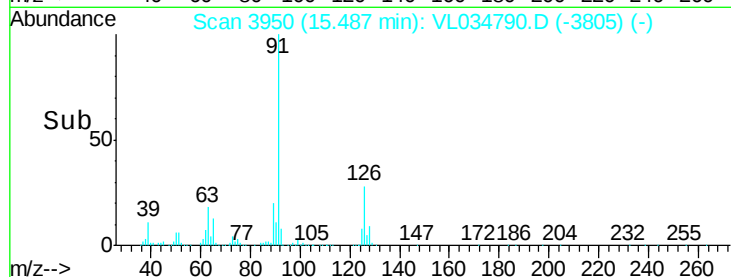
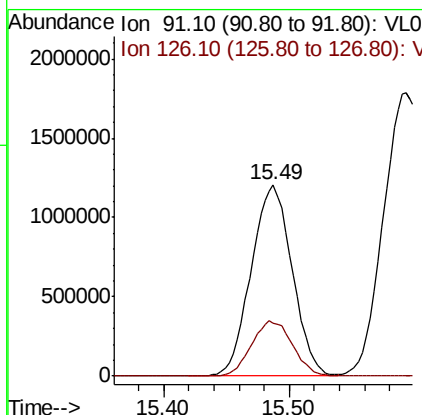
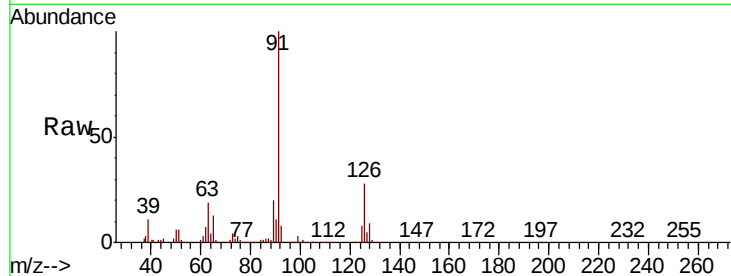
#71
 2-Chlorotoluene
 Concen: 9.663 ppbv
 RT: 15.49 min Scan# 3950
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2738725
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.7 46.7

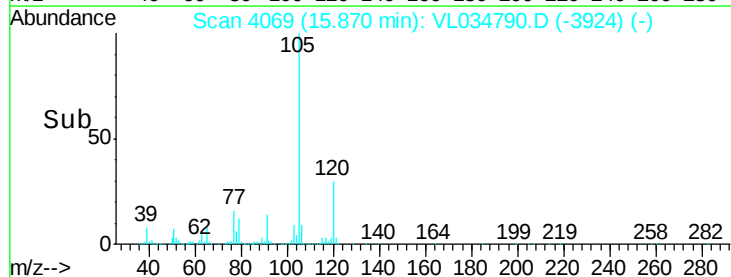
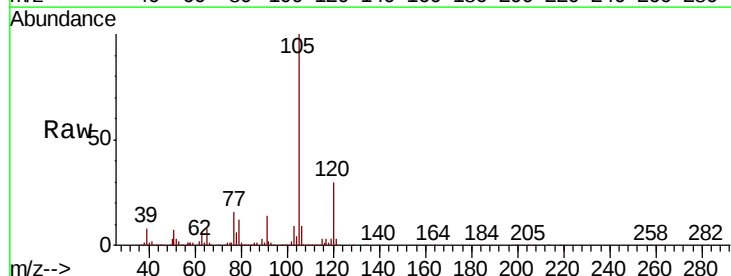
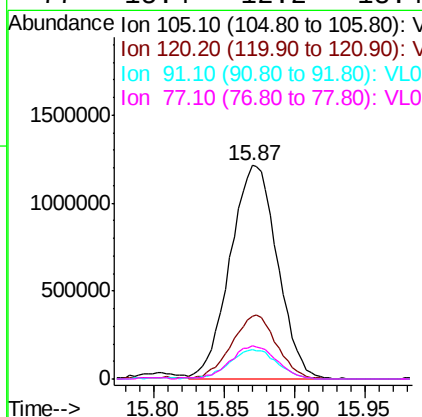
Manual Integrations
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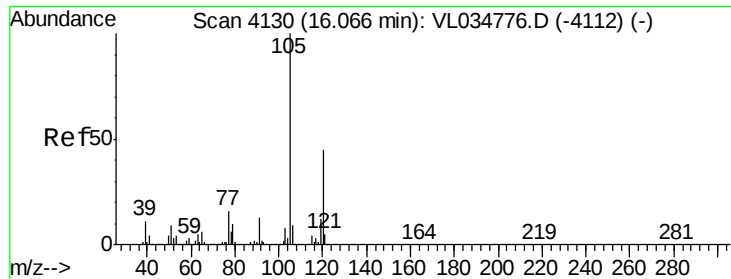
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#72
 4-Ethyltoluene
 Concen: 9.942 ppbv
 RT: 15.87 min Scan# 4069
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion: 105 Resp: 2822651
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.0 34.6
 91 14.0 11.1 16.7
 77 15.4 12.2 18.4





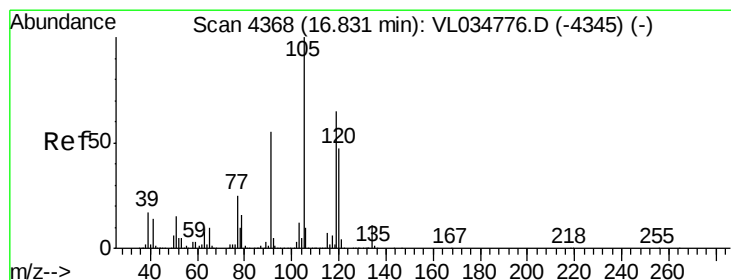
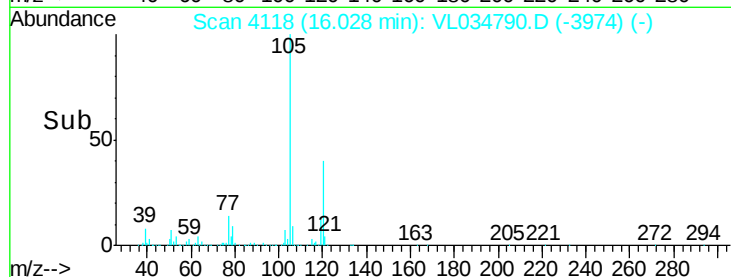
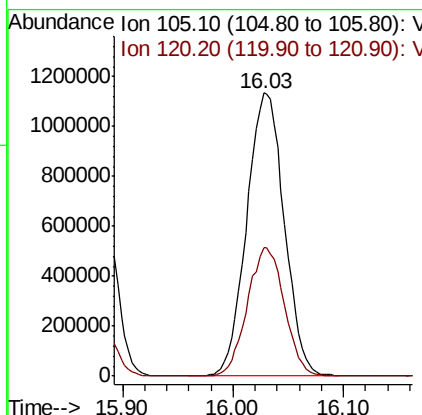
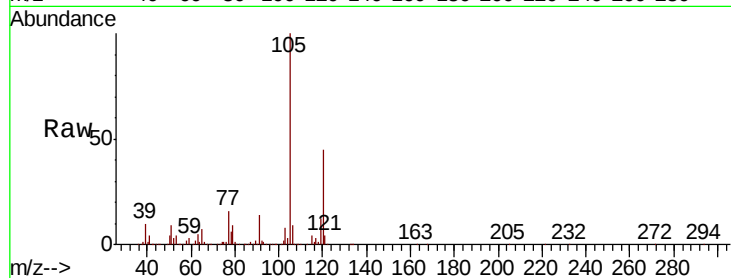
#73
 1,3,5-Trimethylbenzene
 Concen: 9.779 ppbv
 RT: 16.03 min Scan# 4118
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2662931
 Ion Ratio Lower Upper
 105 100
 120 45.5 35.6 53.4

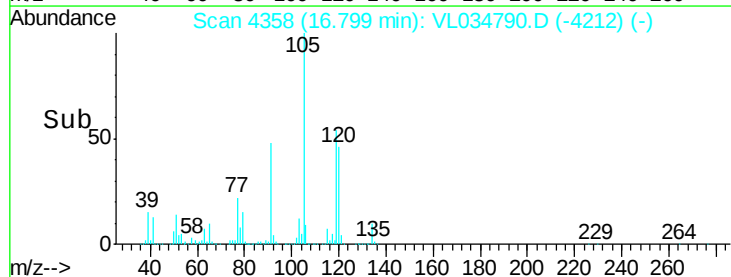
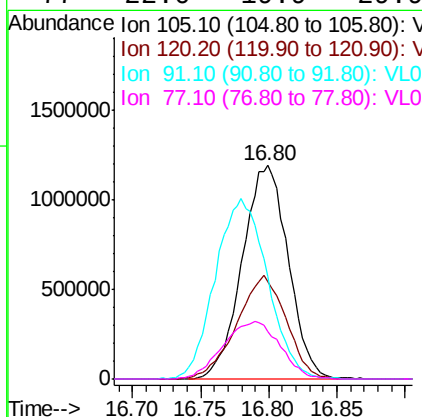
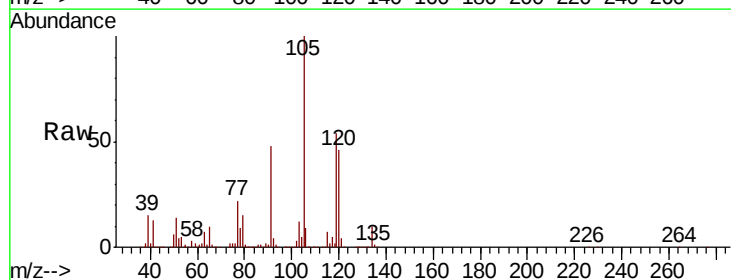
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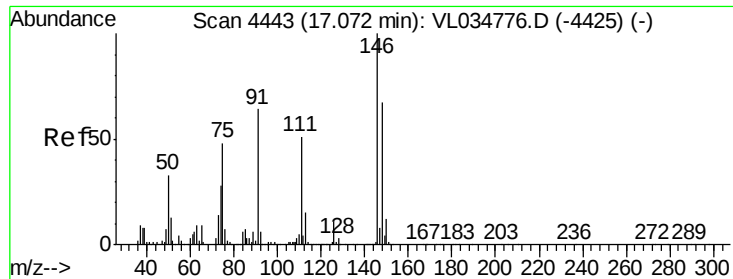
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.441 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion:105 Resp: 2794858
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.8 56.6
 91 47.4 43.8 65.8
 77 22.0 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 9.045 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1585122

Ion Ratio Lower Upper

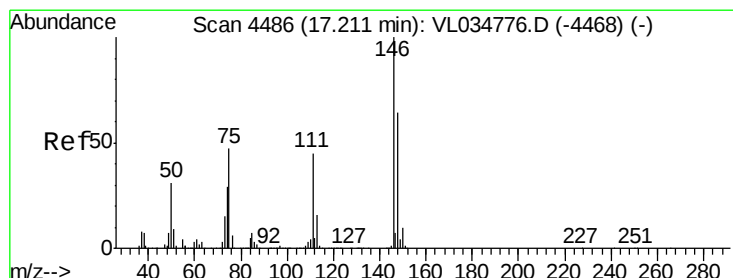
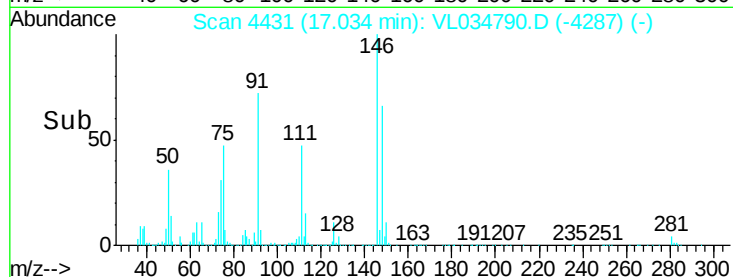
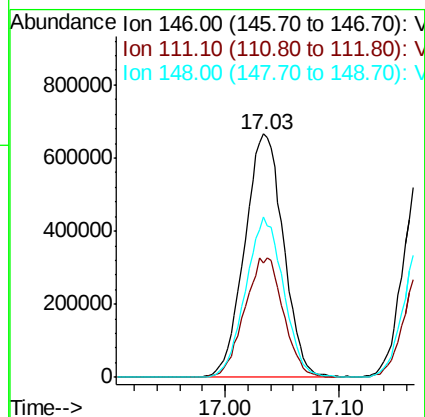
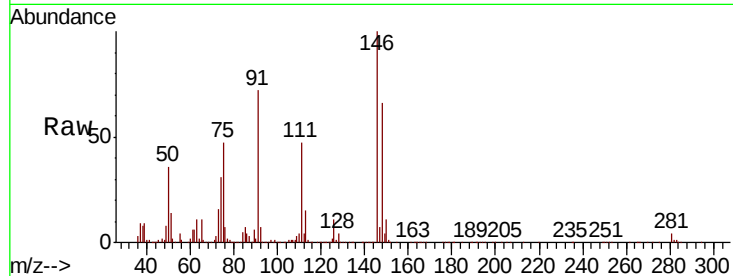
146 100

111 49.2 24.7 74.1

148 64.2 31.8 95.4

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.471 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.04 min

Lab File: VL034790.D

Acq: 5 Mar 2020 9:39

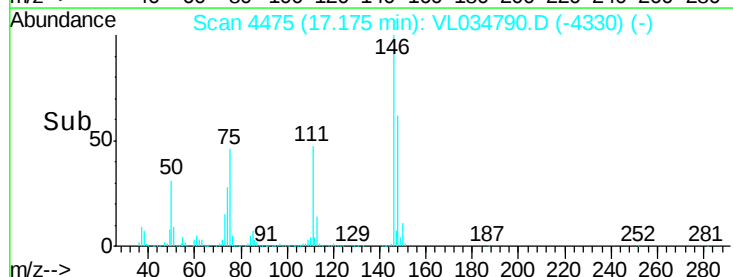
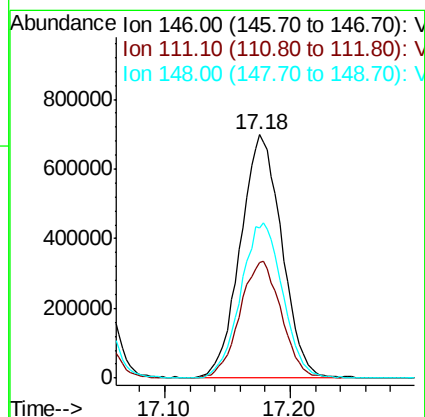
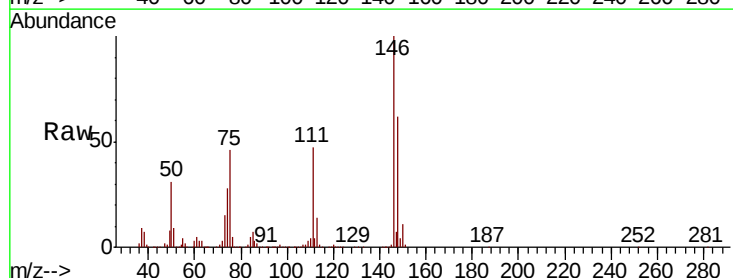
Tgt Ion:146 Resp: 1588117

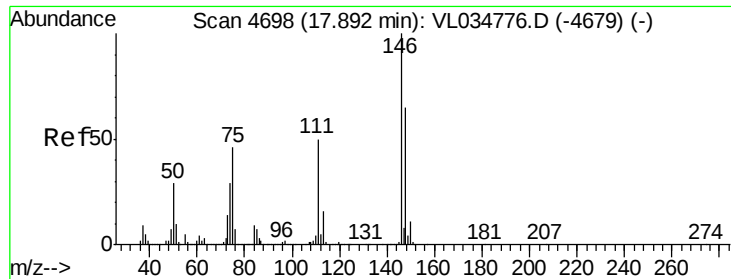
Ion Ratio Lower Upper

146 100

111 48.4 23.5 70.5

148 65.2 32.2 96.6





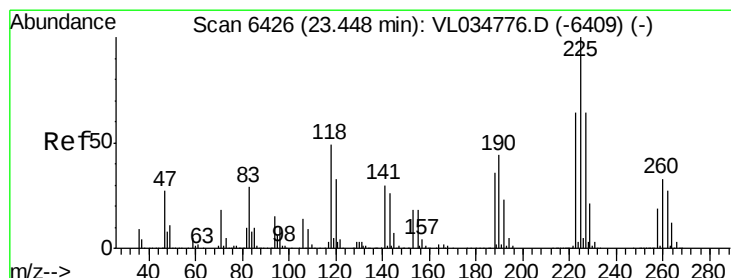
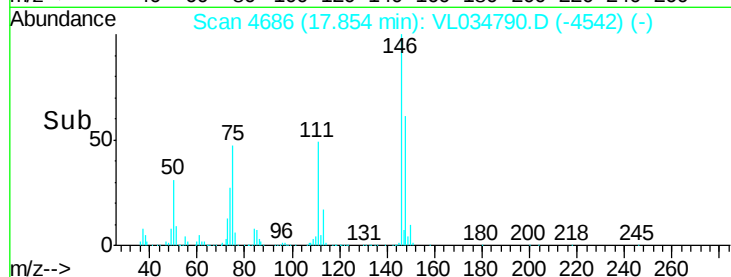
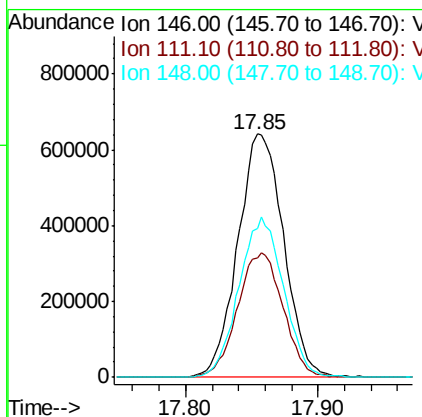
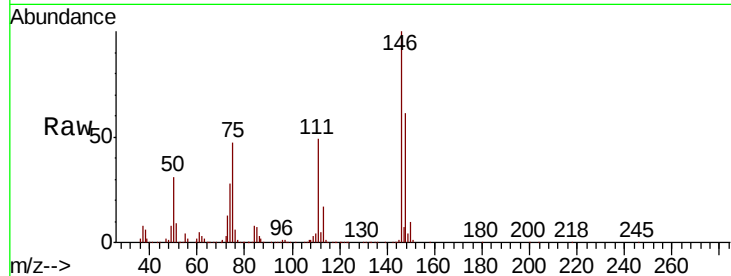
#77
 1,2-Dichlorobenzene
 Concen: 9.161 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1535822
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.3 75.8
 148 64.7 32.3 96.9

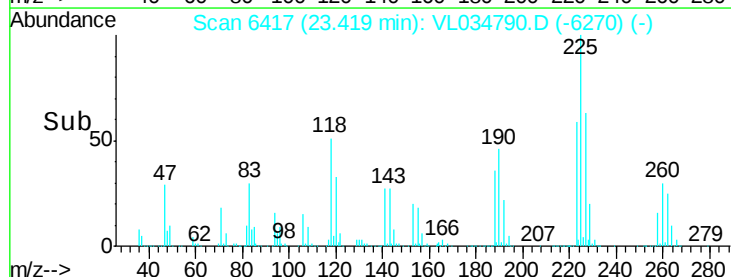
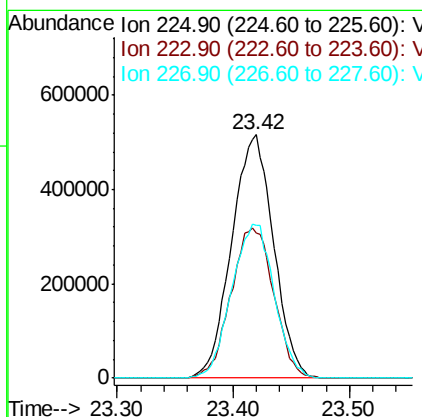
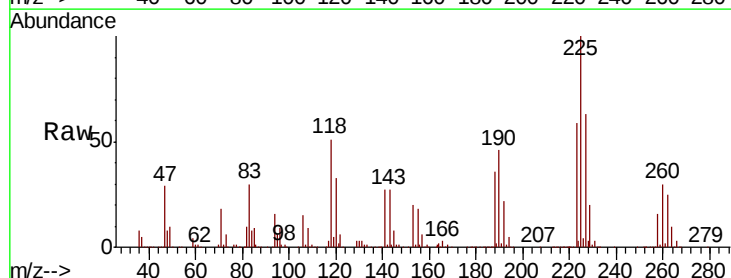
Manual Integrations
 APPROVED

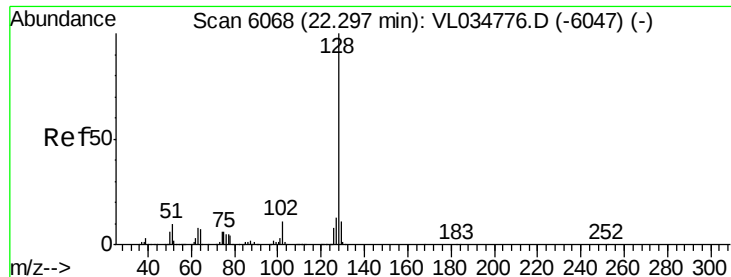
MMDadoda
 3/9/2020 9:18:09 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.217 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.03 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Tgt Ion:225 Resp: 1289512
 Ion Ratio Lower Upper
 225 100
 223 63.4 51.3 76.9
 227 64.4 51.9 77.9





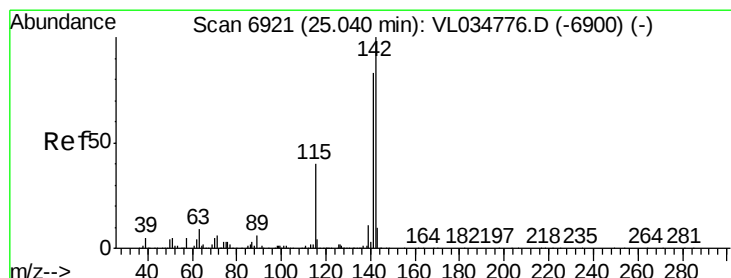
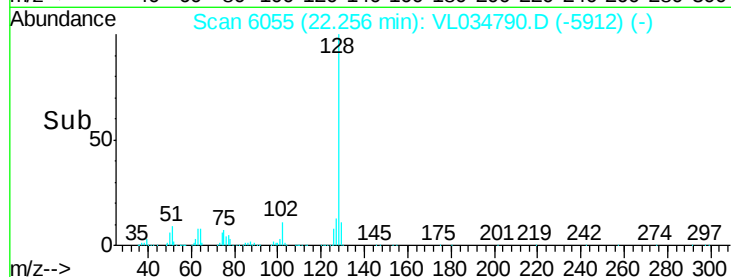
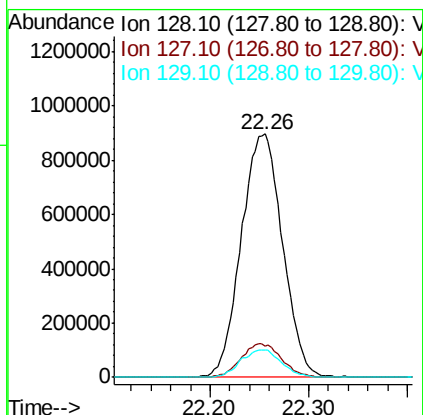
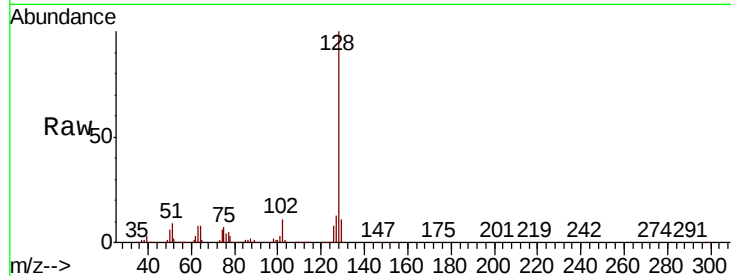
#79
Naphthalene
Concen: 11.659 ppbv
RT: 22.26 min Scan# 6055
Delta R.T. -0.04 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	9.0	13.6

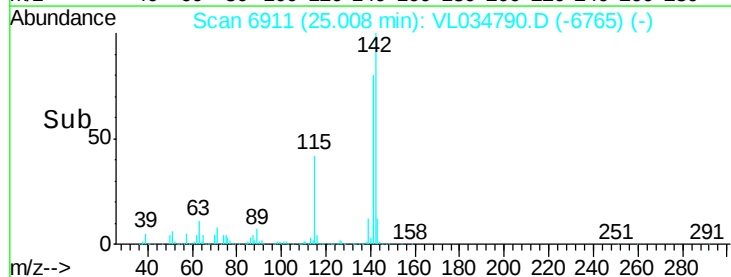
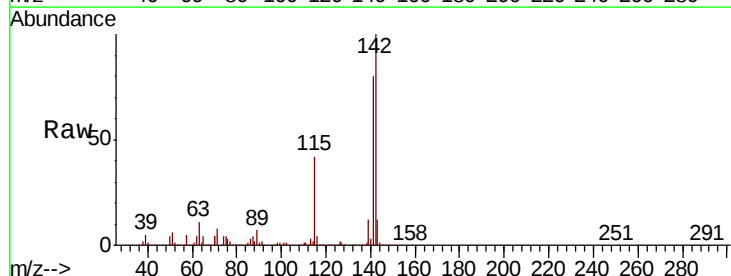
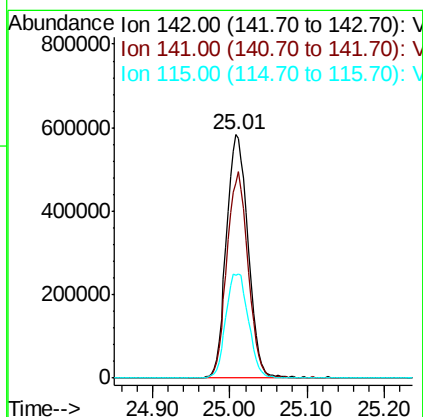
Manual Integrations
APPROVED

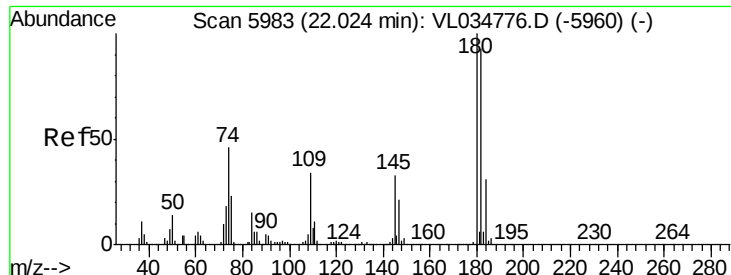
MMDadoda
3/9/2020 9:18:09 AM



#80
Naphthalene, 2-methyl-
Concen: 21.258 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.03 min
Lab File: VL034790.D
Acq: 5 Mar 2020 9:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	67.7	101.5
115	44.7	30.7	46.1





#81
 1,2,4-Trichlorobenzene
 Concen: 10.518 ppbv
 RT: 21.98 min Scan# 5970
 Delta R.T. -0.04 min
 Lab File: VL034790.D
 Acq: 5 Mar 2020 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
184	31.0	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:18:09 AM

