

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022820\
 Data File : VL034734.D
 Acq On : 28 Feb 2020 11:26
 Operator : SY/AP
 Sample : VL0228ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0228ABS01

Manual Integrations
 APPROVED

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 3/2/2020 1:01:11 PM

Quant Time: Mar 02 04:49:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1000852	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2057688	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2213764	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1805392	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1757909	11.134	ppbv	96
3) Chlorodifluoromethane	2.96	51	1095583	10.143	ppbv	100
4) Chloromethane	3.11	50	617147	10.207	ppbv	95
5) Vinyl Chloride	3.23	62	613472	10.342	ppbv	97
6) Bromomethane	3.45	94	350239	10.079	ppbv	96
7) Chloroethane	3.53	64	230222	10.455	ppbv	93
8) Dichlorotetrafluoroethane	3.16	85	1388383	9.941	ppbv	98
9) Propene	2.97	41	453606	10.047	ppbv	98
10) Heptane	8.14	43	1268238	10.913	ppbv	98
11) Trichlorofluoromethane	3.93	101	1458738	10.548	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1002366	10.283	ppbv	100
13) Ethanol	3.58	45	101084	7.087	ppbv	97
14) Bromoethene	3.72	108	427104	10.501	ppbv	99
15) Acetone	3.83	43	1121395	9.833	ppbv	99
16) 1,3-Butadiene	3.30	39	565226	10.706	ppbv	98
17) tert-Butyl alcohol	4.28	59	776242	8.882	ppbv	98
18) 1,1-Dichloroethene	4.27	96	452941	10.350	ppbv	94
19) Isopropyl Alcohol	3.95	45	594948	8.758	ppbv	100
20) Methylene Chloride	4.33	84	404889	9.546	ppbv	98
21) Allyl Chloride	4.39	41	816342	10.819	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	454280	10.646	ppbv	97
23) Vinyl Acetate	5.07	43	1791748	11.556	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1257552	10.156	ppbv	99
25) Ethyl Acetate	5.67	43	2119105	10.496	ppbv	99
26) Hexane	5.69	57	956125	10.275	ppbv	99
27) Carbon Disulfide	4.54	76	1222294	11.572	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1433190	10.781	ppbv	100
29) Chloroform	5.75	83	1509619	10.183	ppbv	97
30) Cyclohexane	7.14	84	767456	10.642	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1004301	10.968	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1467584	10.601	ppbv	99
34) 2-Butanone	5.24	43	1416180	10.934	ppbv	99
35) Carbon Tetrachloride	7.03	117	1521691	11.042	ppbv	99
36) Benzene	6.90	78	1879297	10.574	ppbv	95
37) 1,2-Dichloroethane	6.31	62	1270194	11.338	ppbv	98
38) Trichloroethene	7.86	130	705673	10.301	ppbv	98
39) 1,2-Dichloropropane	7.63	63	754807	10.675	ppbv	98
40) 1,4-Dioxane	7.85	88	247868	10.309	ppbv	72
41) Tetrahydrofuran	6.05	42	785830	11.495	ppbv	99
42) Bromodichloromethane	7.81	83	1638386	11.171	ppbv	95
43) Methyl Methacrylate	8.03	69	834727	11.167	ppbv	97

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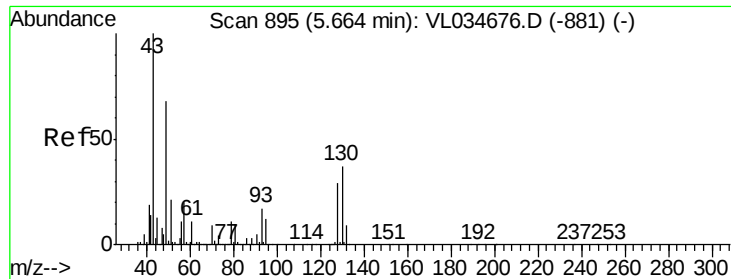
Manual Integrations
 APPROVED

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 3/2/2020 1:01:11 PM

Quant Time: Mar 02 04:49:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3288886	10.589	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1061205	13.009	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1211970	12.389	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	782754	10.791	ppbv	98
48) Dibromochloromethane	10.34	129	1325815	11.754	ppbv	100
49) Bromoform	13.08	173	1177736	12.043	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2144759	11.692	ppbv	99
51) 2-Hexanone	10.16	43	1800765	12.474	ppbv #	99
52) Tetrachloroethene	11.26	164	663970	10.192	ppbv	96
53) Toluene	9.83	91	2143615	11.340	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1214420	11.222	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	946361	10.037	ppbv	94
57) Chlorobenzene	12.19	112	1633636	9.984	ppbv	97
58) Ethyl Benzene	12.74	91	2941534	10.983	ppbv	99
59) m/p-Xylene	13.03	91	4847487m	20.751	ppbv	
60) o-Xylene	13.73	91	2421366	10.445	ppbv	99
61) Styrene	13.57	104	1714824	11.516	ppbv	99
62) Isopropylbenzene	14.71	105	3379845	9.995	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1746025	9.664	ppbv	100
64) n-propylbenzene	15.60	120	880878	10.104	ppbv	94
65) tert-Butylbenzene	16.79	119	2939392	10.067	ppbv	98
66) Benzyl Chloride	17.04	91	1424136	13.075	ppbv	99
67) sec-Butylbenzene	17.34	105	4203888	10.005	ppbv	99
69) p-Isopropyltoluene	17.70	119	3456861	9.994	ppbv	99
70) n-Butylbenzene	18.60	91	3717428m	9.870	ppbv	
71) 2-Chlorotoluene	15.50	91	2693769	10.285	ppbv	99
72) 4-Ethyltoluene	15.88	105	2795907	10.836	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2620493	10.558	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	2736994	9.985	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1547768	9.782	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1585391	10.015	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1514077	9.898	ppbv	100
78) Hexachloro-1,3-Butadiene	23.43	225	1217249	9.139	ppbv	99
79) Naphthalene	22.27	128	2585278	10.717	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	896718	12.052	ppbv #	94
81) 1,2,4-Trichlorobenzene	22.00	180	1387027	9.634	ppbv	99

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



#1

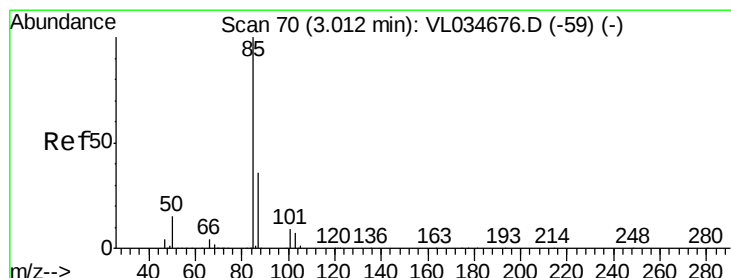
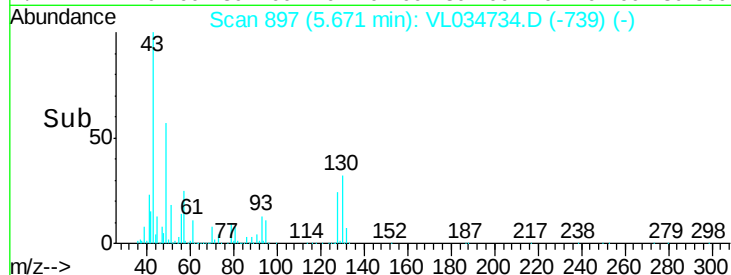
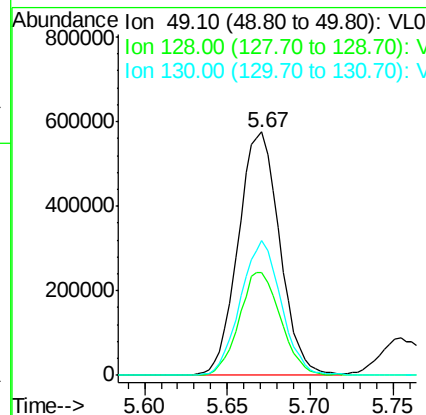
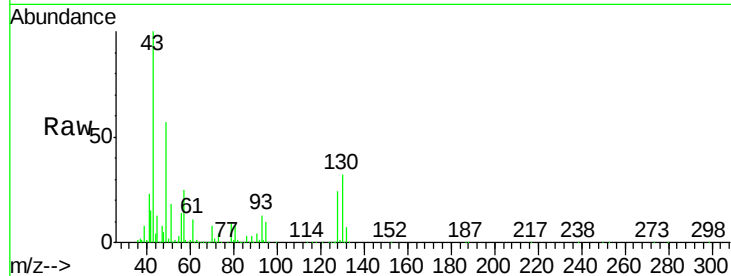
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.6	21.6	65.0
130	54.6	27.7	83.1

Manual Integrations
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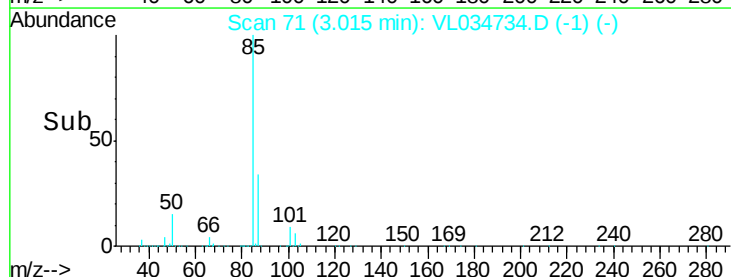
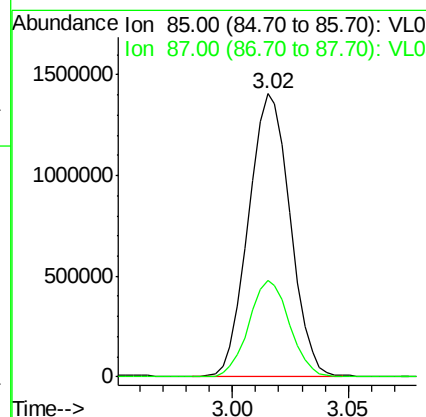
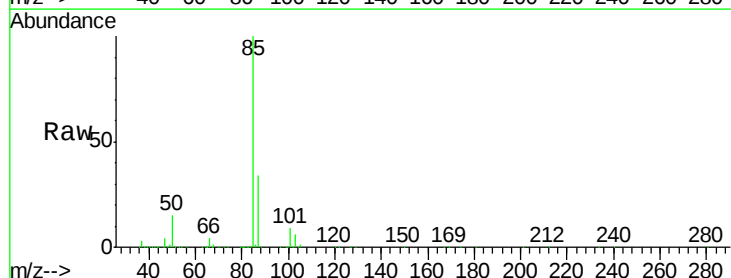
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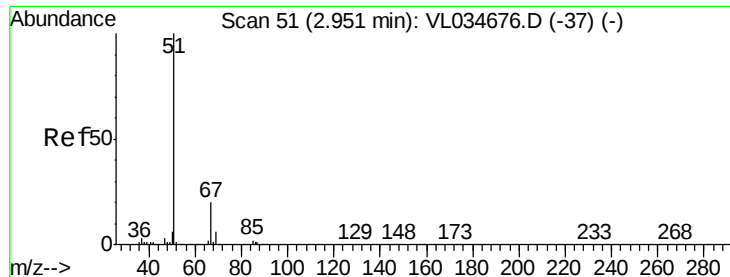


#2

Dichlorodifluoromethane
 Concen: 11.134 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	29.2	43.8





#3

Chlorodifluoromethane

Concen: 10.143 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion: 51 Resp: 1095583

Ion Ratio Lower Upper

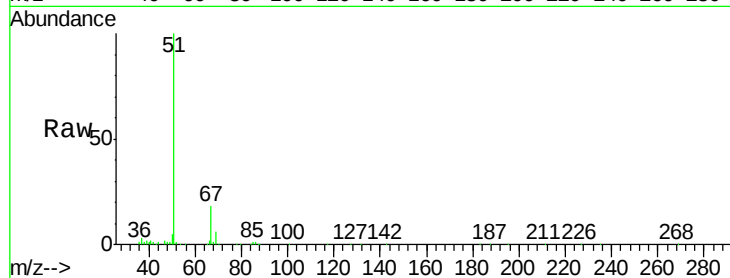
51 100

67 19.3 15.5 23.3

Manual Integrations
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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

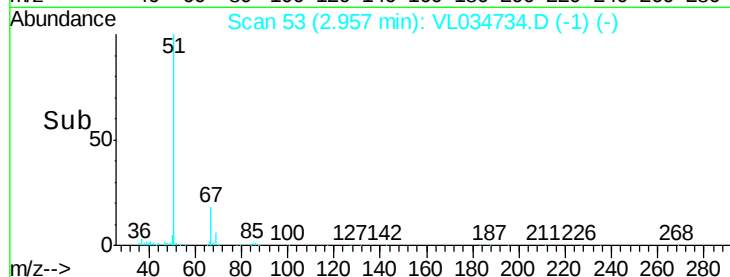
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 10.207 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034734.D

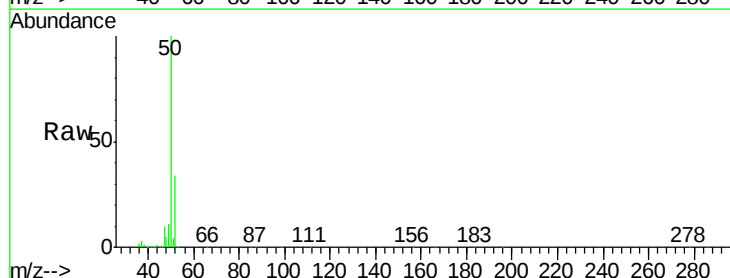
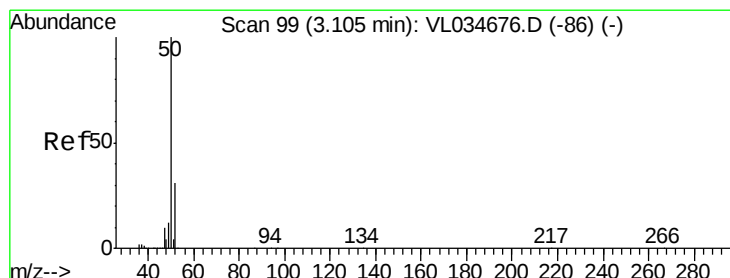
Acq: 28 Feb 2020 11:26

Tgt Ion: 50 Resp: 617147

Ion Ratio Lower Upper

50 100

52 34.2 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

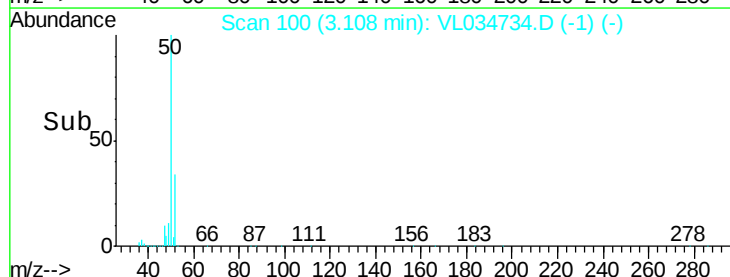
300000

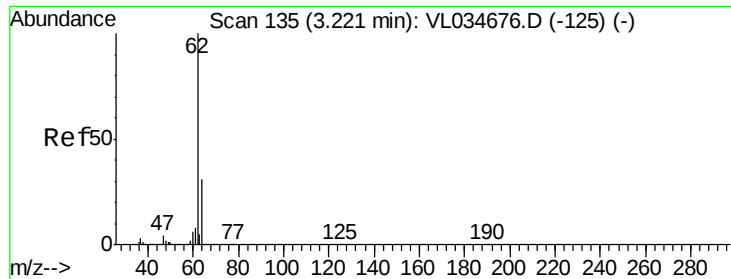
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.342 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleID :

VL0228ABS01

Tot Ion: 62 Resp: 613472

Ion Ratio Lower Upper

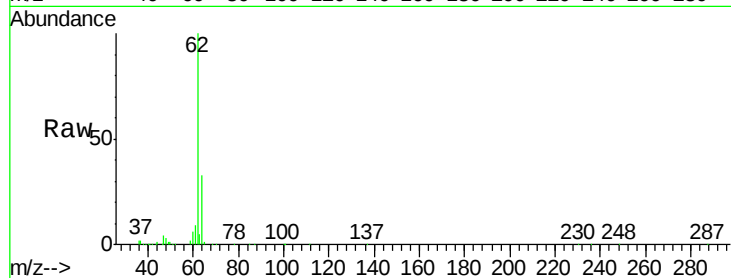
62 100

64 32.7 24.7 37.1

Manual Integrations
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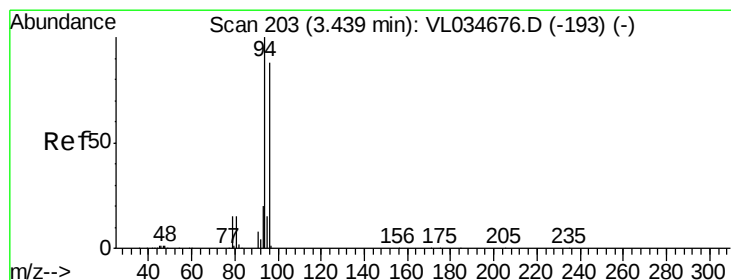
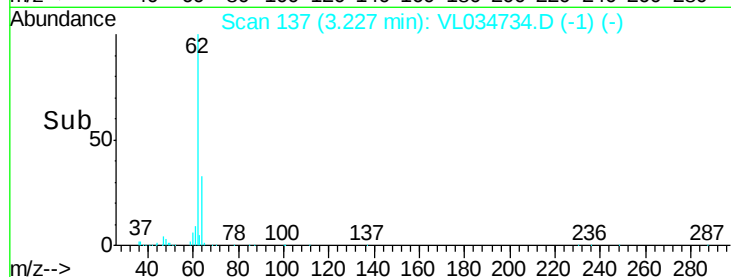
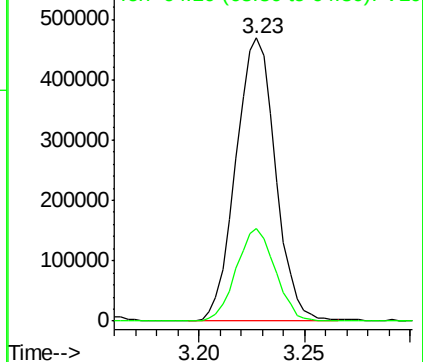
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.079 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034734.D

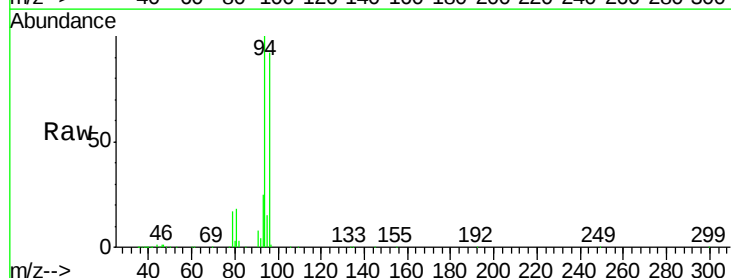
Acq: 28 Feb 2020 11:26

Tgt Ion: 94 Resp: 350239

Ion Ratio Lower Upper

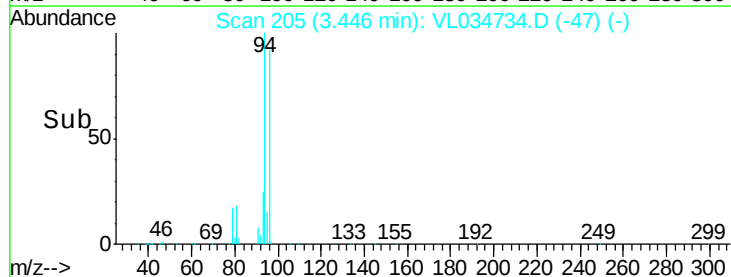
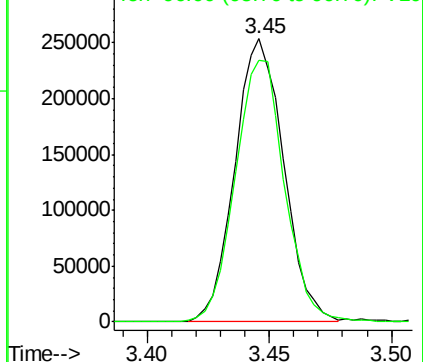
94 100

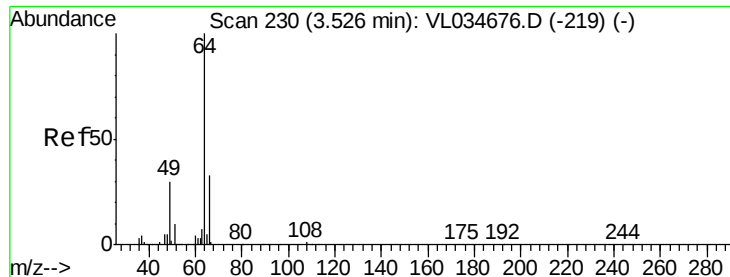
96 92.2 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.455 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion: 64 Resp: 230222

Ion Ratio Lower Upper

64 100

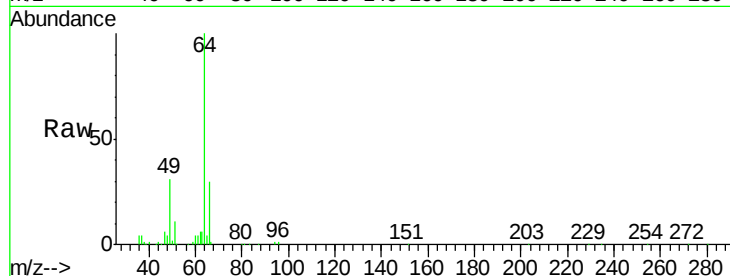
66 29.5 26.7 40.1

Manual Integrations

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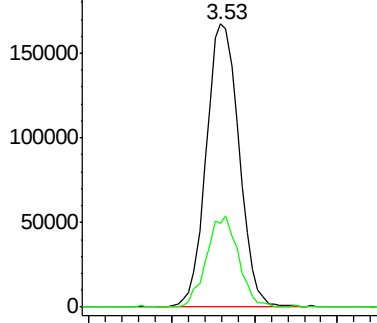
MMDadoda

3/2/2020 1:01:11 PM

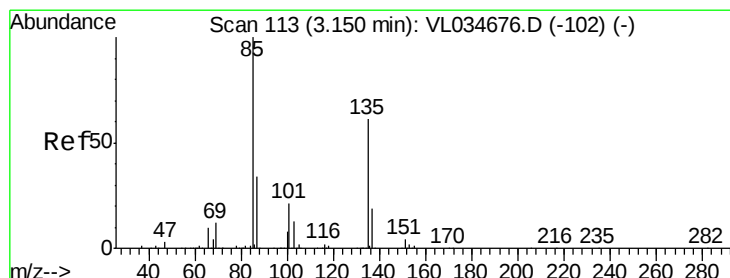
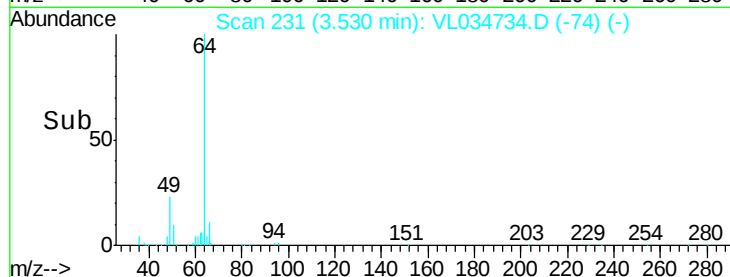


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.941 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034734.D

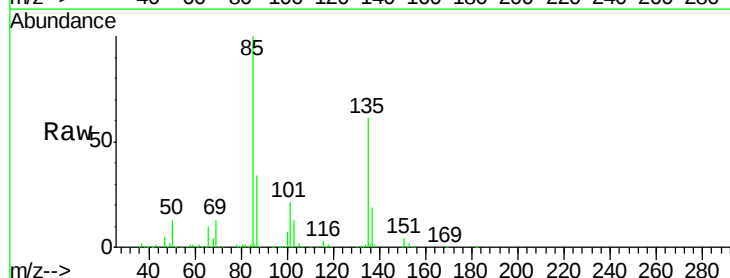
Acq: 28 Feb 2020 11:26

Tgt Ion: 85 Resp: 1388383

Ion Ratio Lower Upper

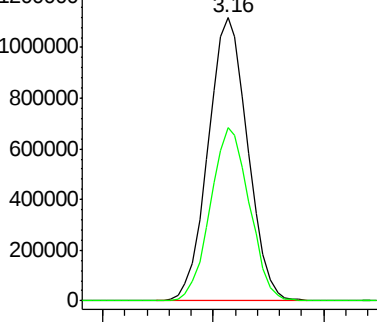
85 100

135 61.0 49.8 74.6

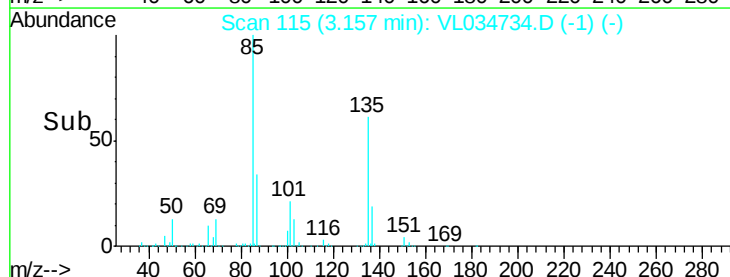


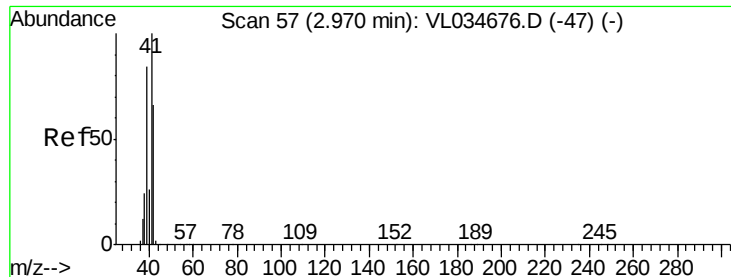
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 10.047 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion: 41 Resp: 453606

Ion Ratio Lower Upper

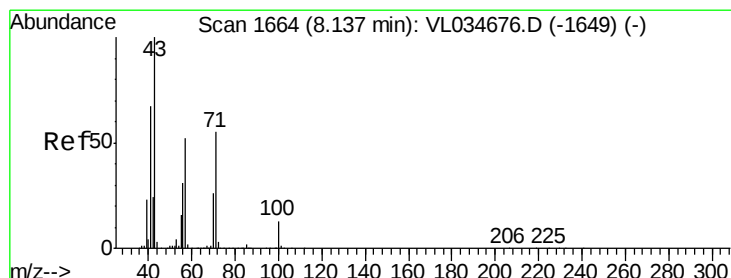
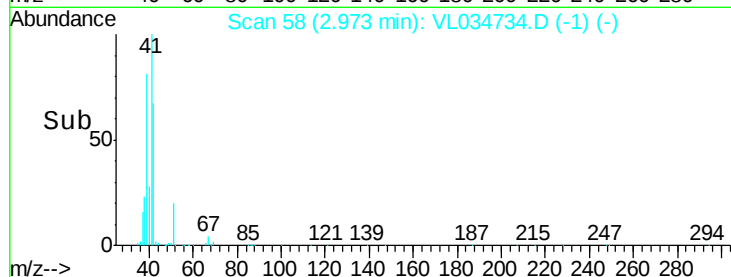
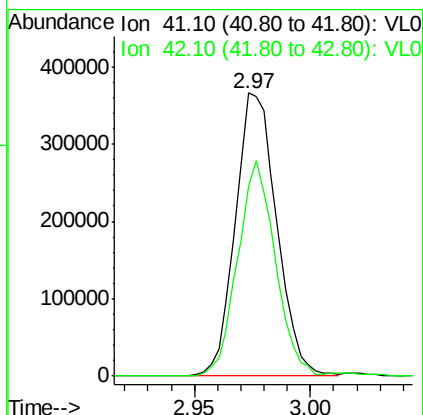
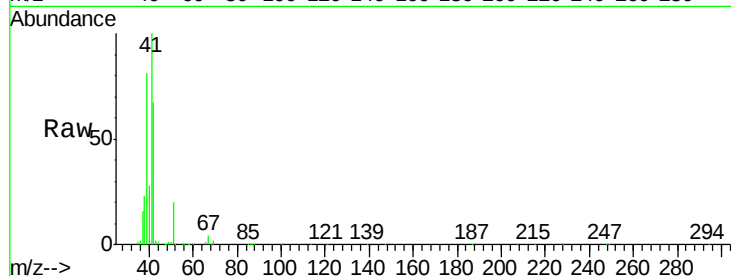
41 100

42 70.6 54.9 82.3

Manual Integrations
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#10

Heptane

Concen: 10.913 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL034734.D

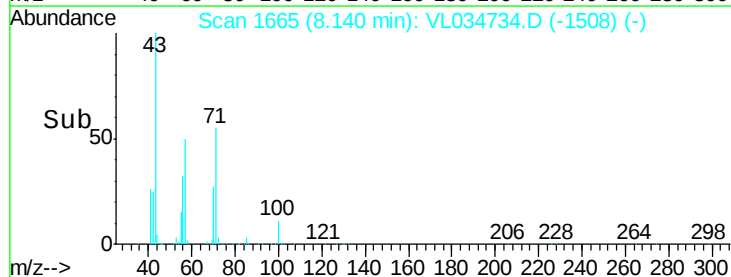
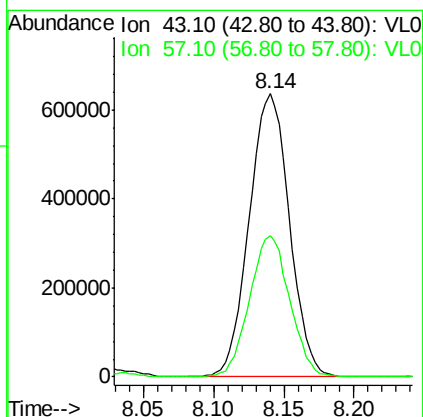
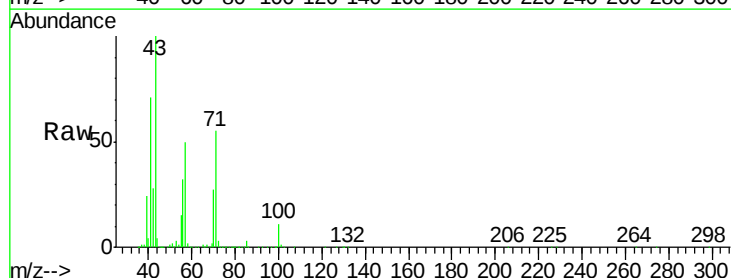
Acq: 28 Feb 2020 11:26

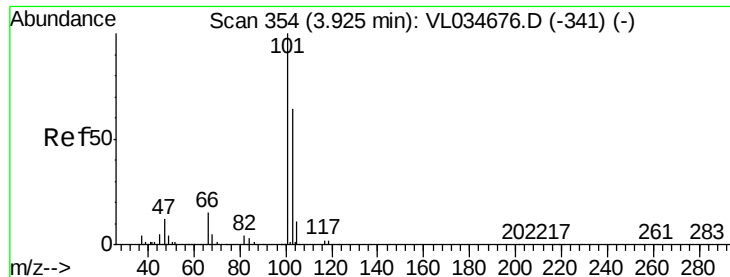
Tgt Ion: 43 Resp: 1268238

Ion Ratio Lower Upper

43 100

57 49.9 41.0 61.6





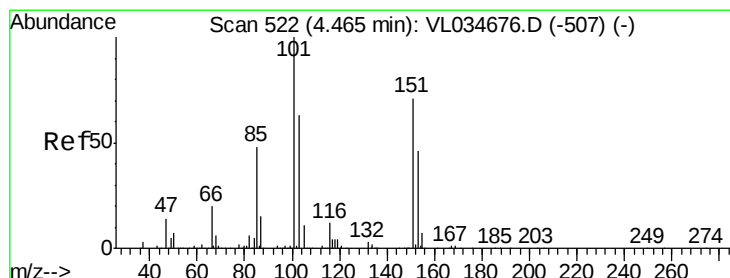
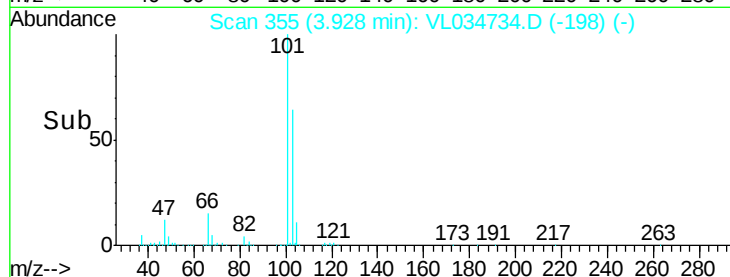
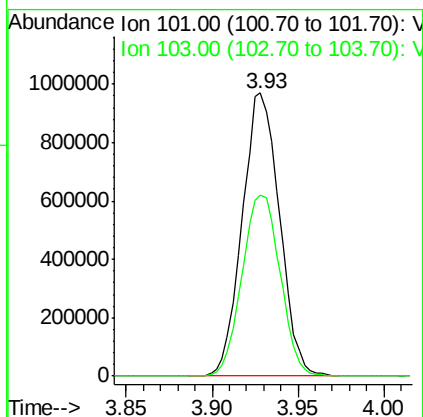
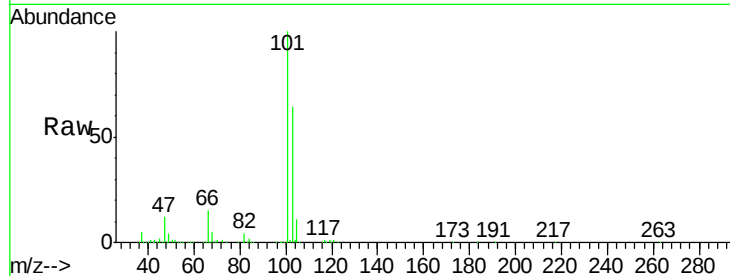
#11
 Trichlorofluoromethane
 Concen: 10.548 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion:101 Resp: 1458738
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

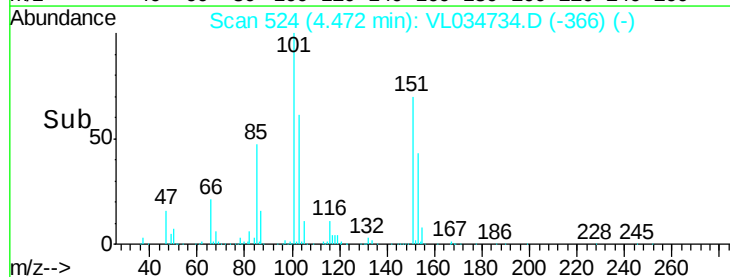
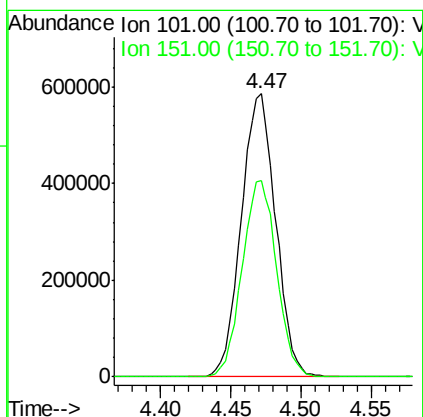
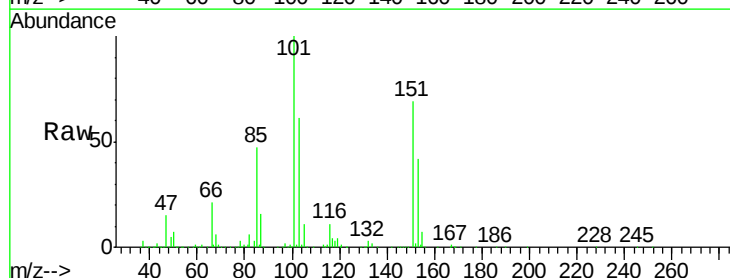
Manual Integrations
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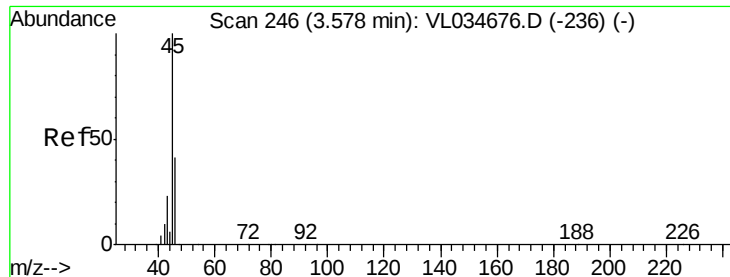
MMDadoda
 3/2/2020 1:01:11 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.283 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:101 Resp: 1002366
 Ion Ratio Lower Upper
 101 100
 151 69.4 55.8 83.6





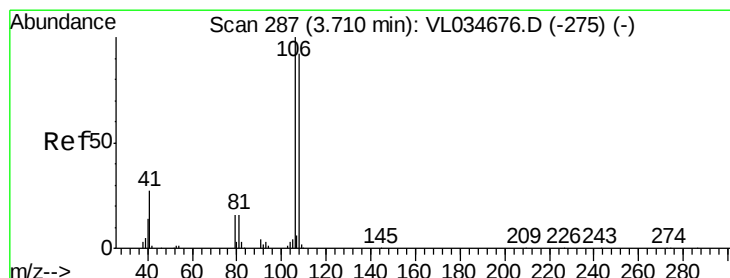
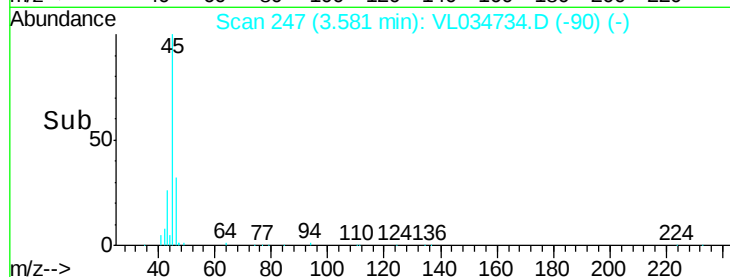
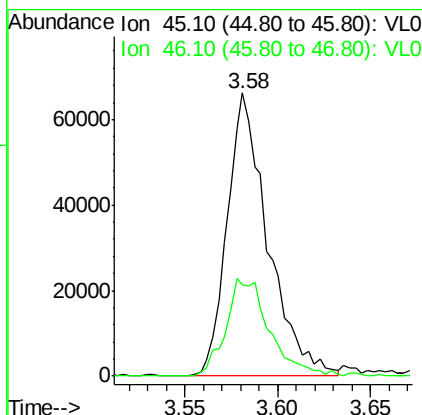
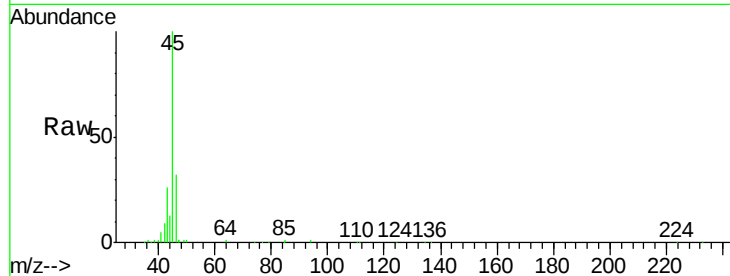
#13
Ethanol
Concen: 7.087 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	45	Resp	101084
Ion Ratio	100	Lower	Upper
46	36.8	15.4	61.4

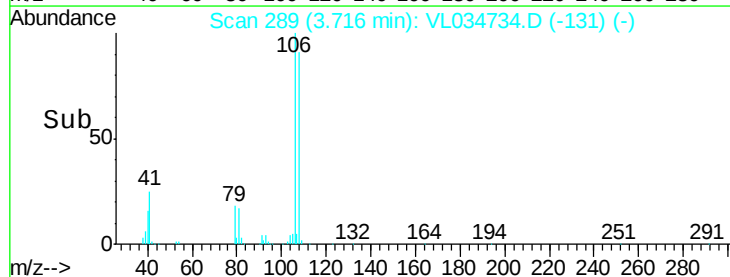
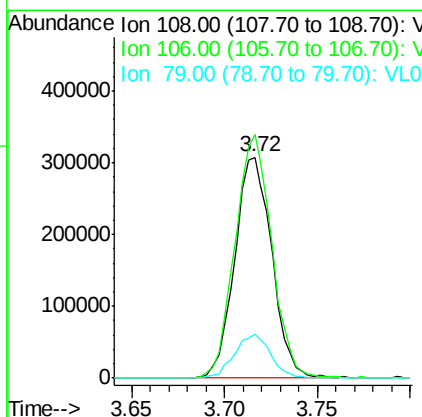
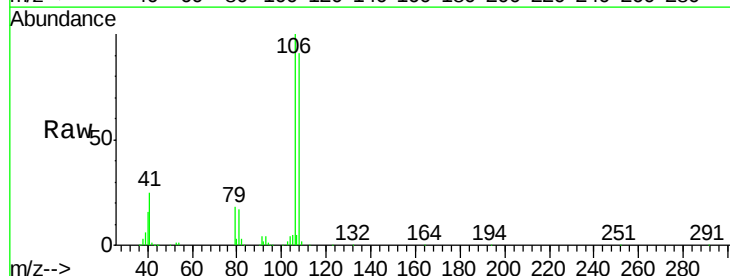
Manual Integrations
APPROVED

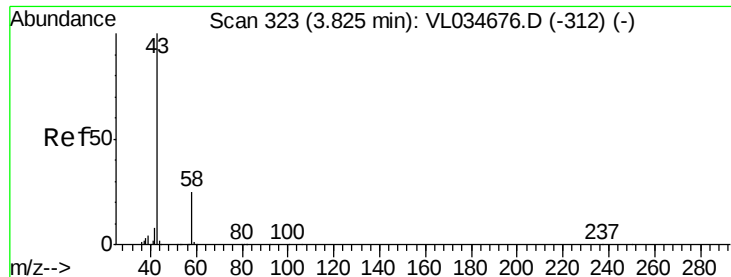
MMDadoda
3/2/2020 1:01:11 PM



#14
Bromoethene
Concen: 10.501 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	108	Resp	427104
Ion Ratio	100	Lower	Upper
106	109.8	86.7	130.1
79	19.8	15.0	22.6





#15

Acetone

Concen: 9.833 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tot Ion: 43 Resp: 1121395

Ion Ratio Lower Upper

43 100

58 26.3 21.4 32.0

Instrument :

MSVOA_L

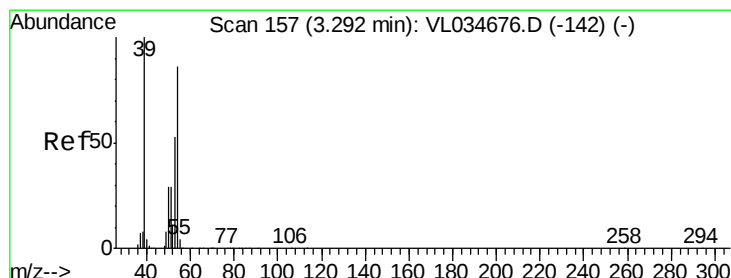
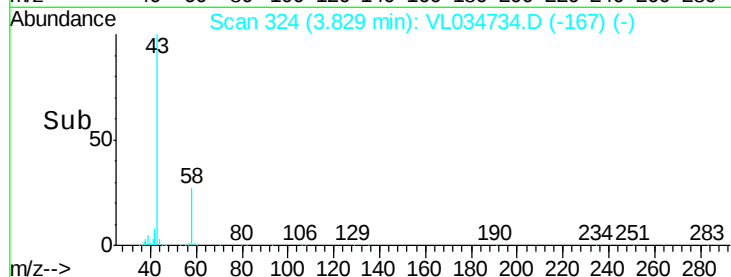
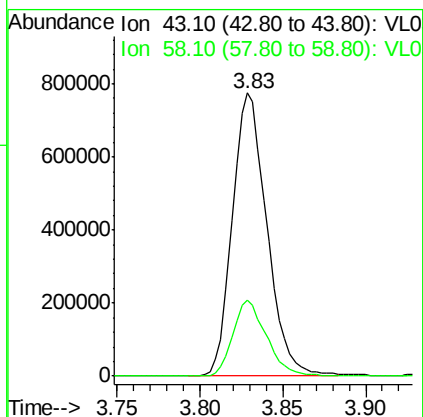
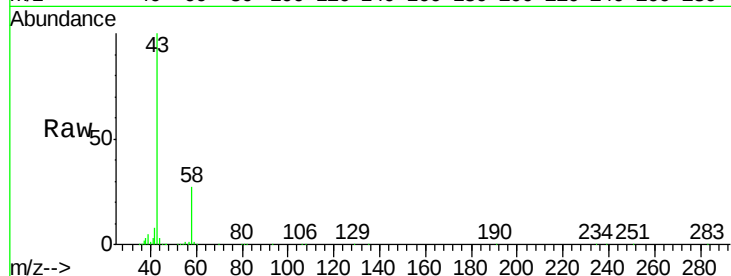
ClientSampleId :

VL0228ABS01

Manual Integrations
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#16

1,3-Butadiene

Concen: 10.706 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL034734.D

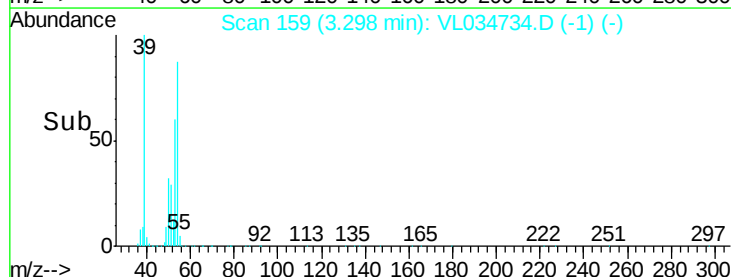
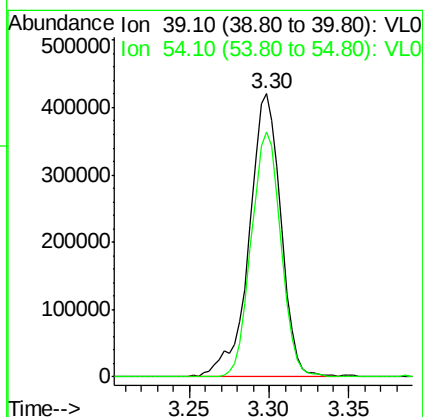
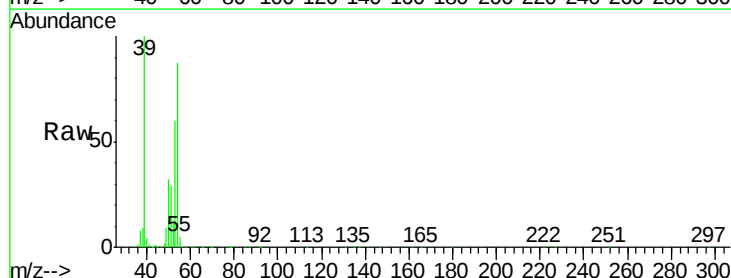
Acq: 28 Feb 2020 11:26

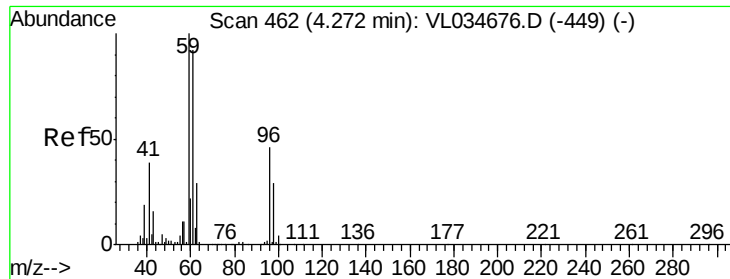
Tgt Ion: 39 Resp: 565226

Ion Ratio Lower Upper

39 100

54 81.8 67.0 100.6





#17

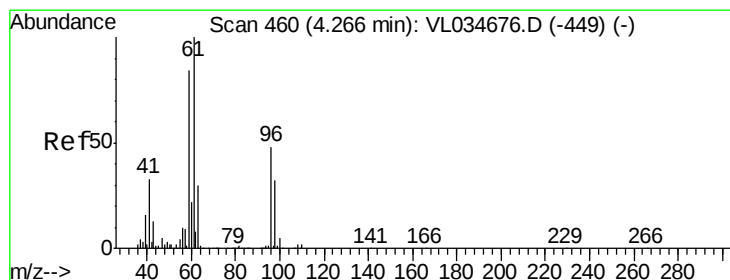
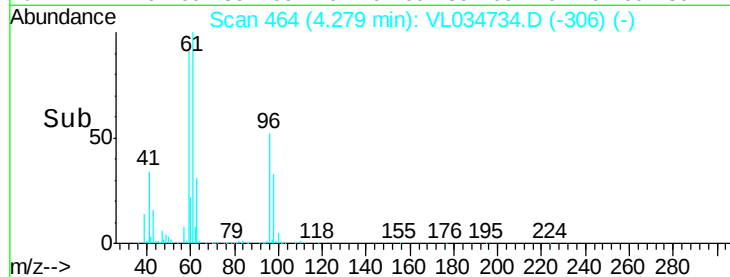
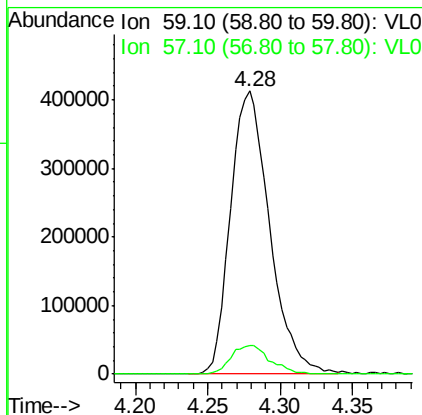
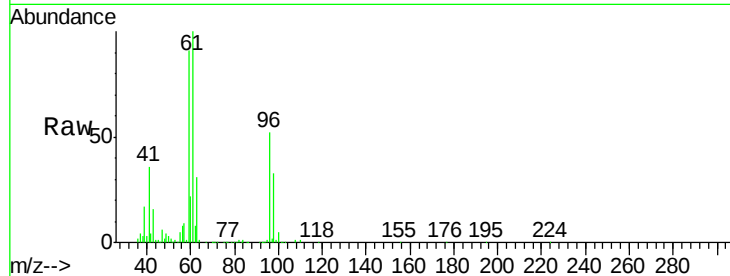
tert-Butyl alcohol
Concen: 8.882 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	59	Resp	776242
Ion Ratio	100	Lower	Upper
57	10.3	8.8	13.2

Manual Integrations
APPROVED

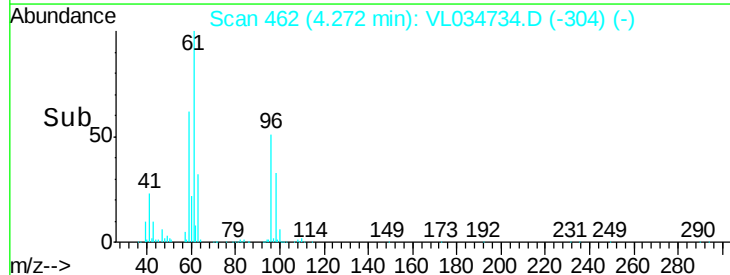
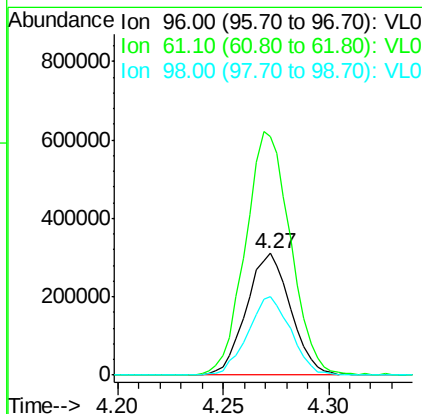
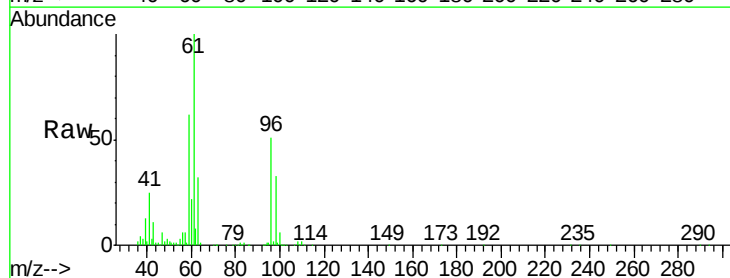
MMDadoda
3/2/2020 1:01:11 PM

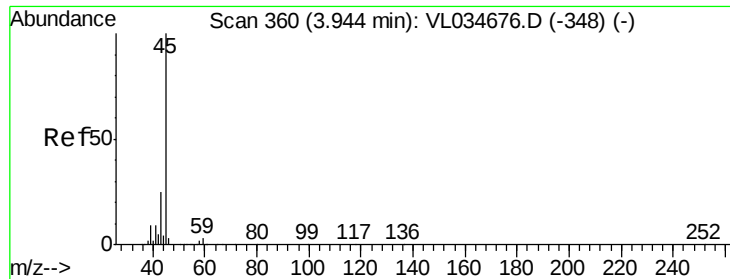


#18

1,1-Dichloroethene
Concen: 10.350 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	96	Resp	452941
Ion Ratio	100	Lower	Upper
61	195.0	165.1	247.7
98	64.7	52.7	79.1





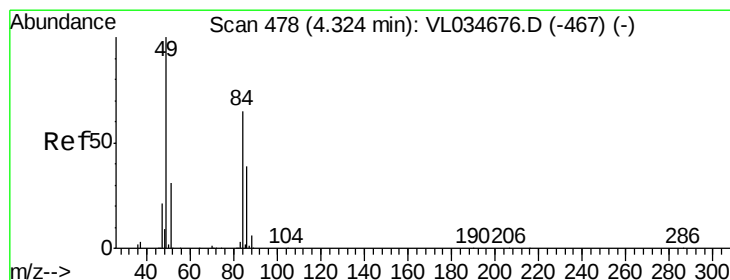
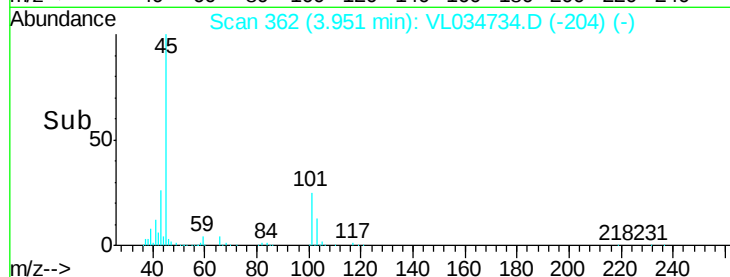
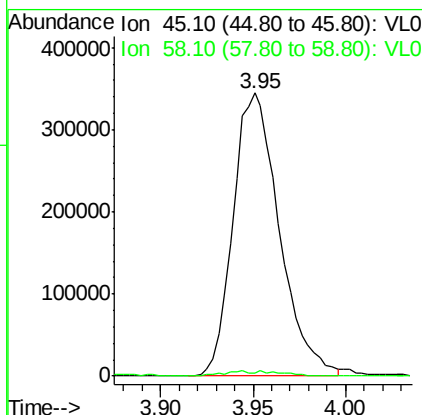
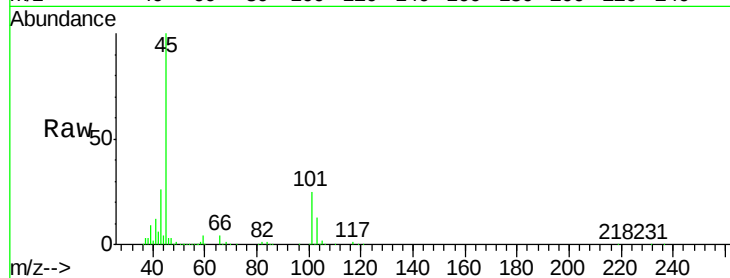
#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	45	Resp	594948
Ion Ratio	100	Lower	Upper
45	100		
58	2.2	1.8	2.6

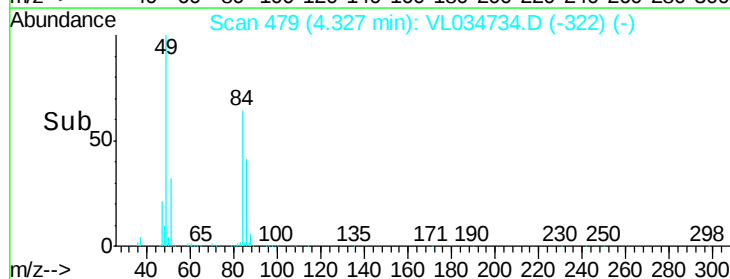
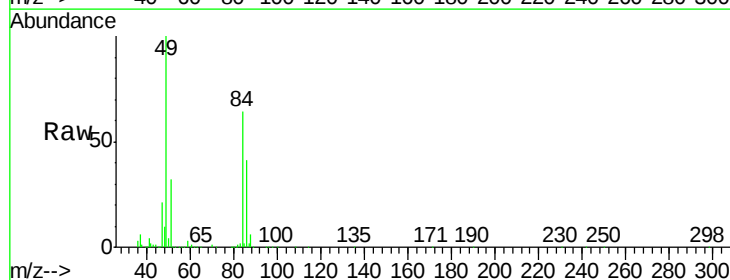
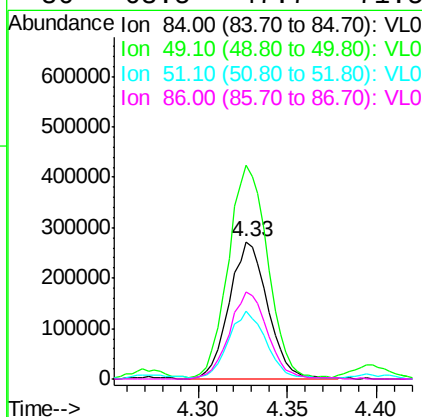
Manual Integrations
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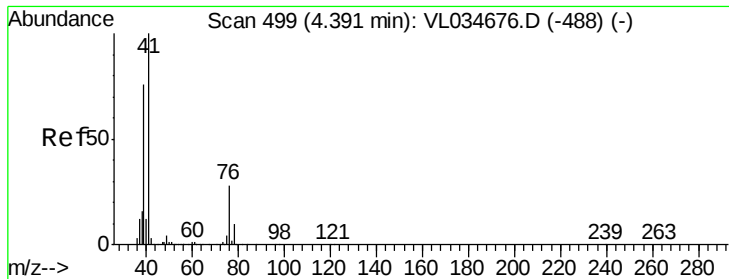
MMDadoda
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#20
Methylene Chloride
Concen: 9.546 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	84	Resp	404889
Ion Ratio	100	Lower	Upper
84	100		
49	155.3	122.8	184.2
51	48.8	38.6	58.0
86	63.5	47.7	71.5





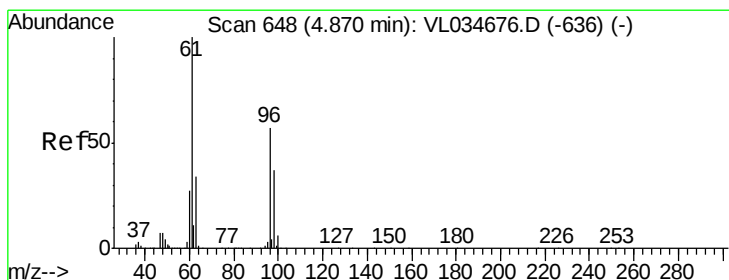
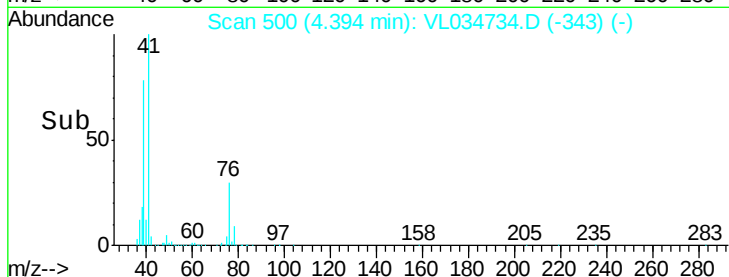
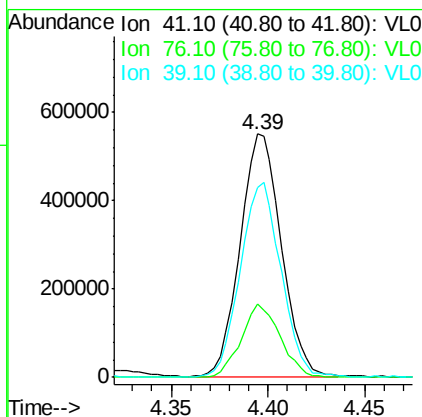
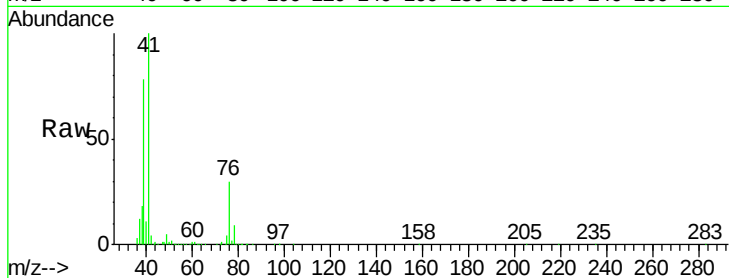
#21
Allvl Chloride
Concen: 10.819 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.8	34.2
39	78.9	61.7	92.5

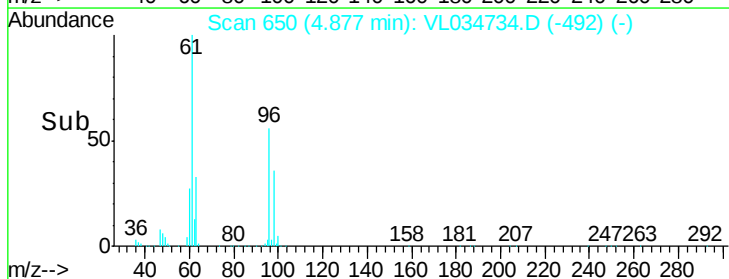
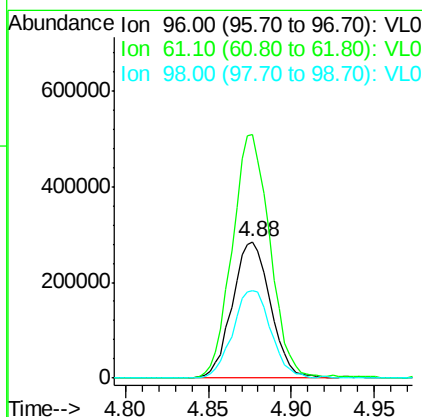
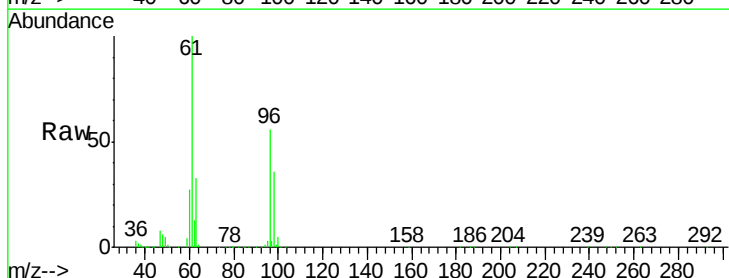
Manual Integrations
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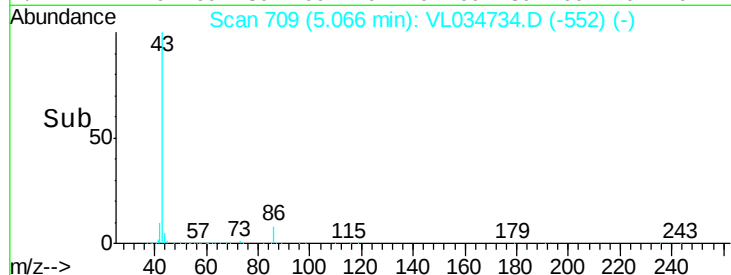
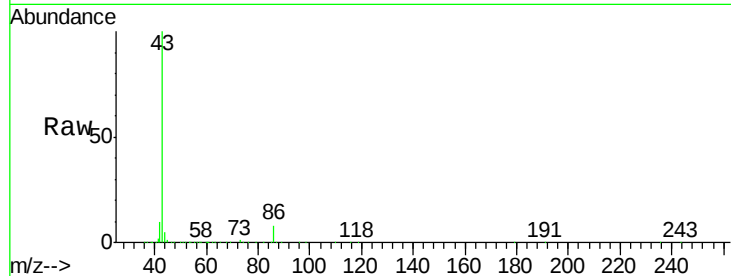
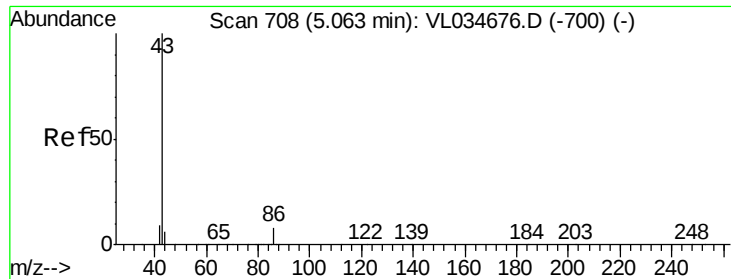
MMDadoda
3/2/2020 1:01:11 PM



#22
trans-1,2-Dichloroethene
Concen: 10.646 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.6	139.4	209.0
98	64.6	51.3	76.9





#23

Vinyl Acetate

Concen: 11.556 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tot Ion: 43 Resp: 1791748

Ion Ratio Lower Upper

43 100

86 7.6 6.0 9.0

42 10.2 8.0 12.0

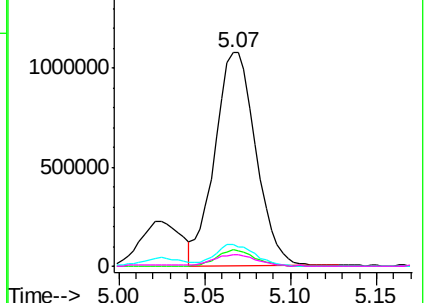
44 5.3 4.5 6.7

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



Instrument :

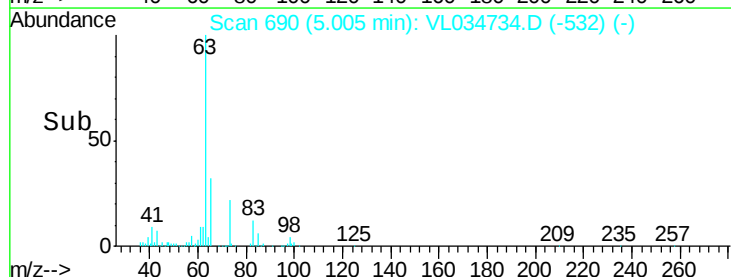
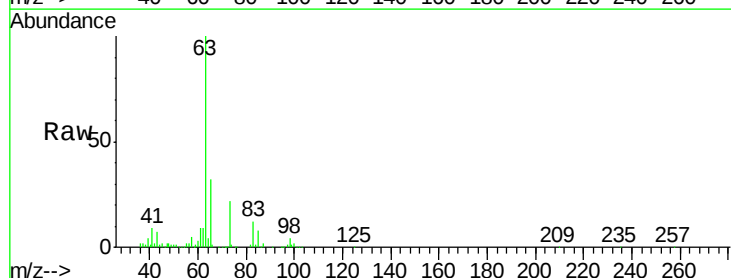
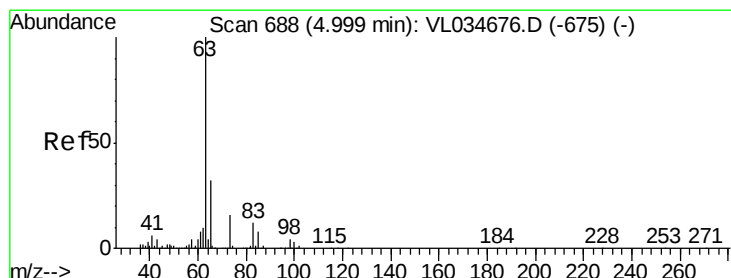
MSVOA_L

ClientSampleId :

VL0228ABS01

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#24

1,1-Dichloroethane

Concen: 10.156 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion: 63 Resp: 1257552

Ion Ratio Lower Upper

63 100

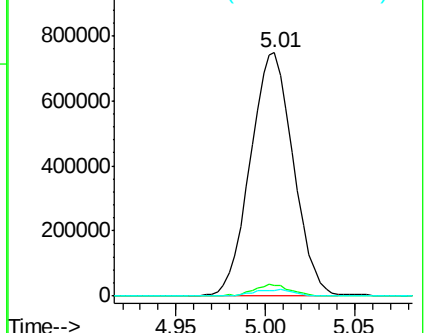
98 4.2 2.1 6.2

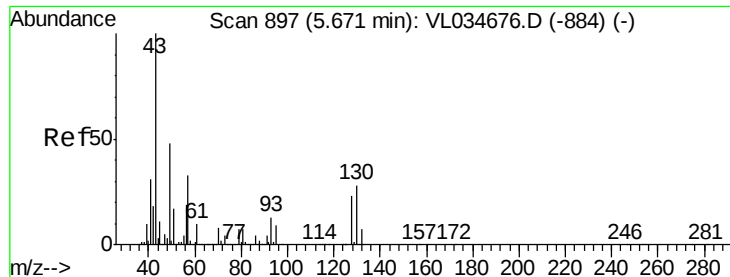
100 2.3 1.4 4.0

Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





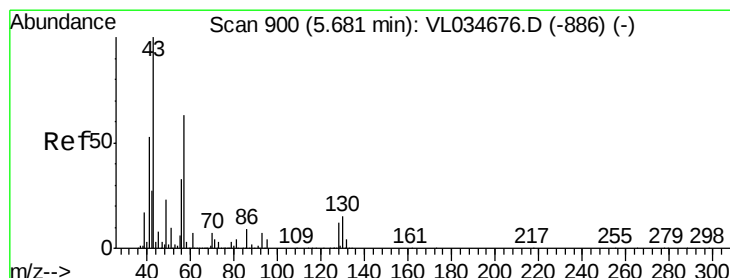
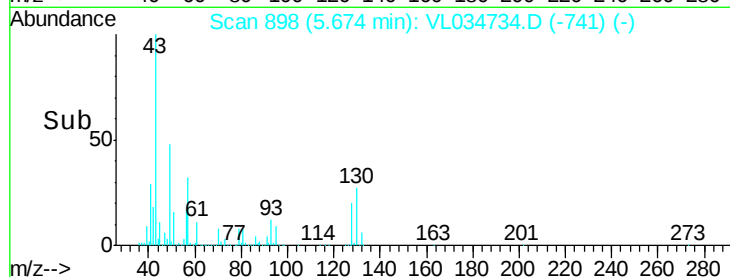
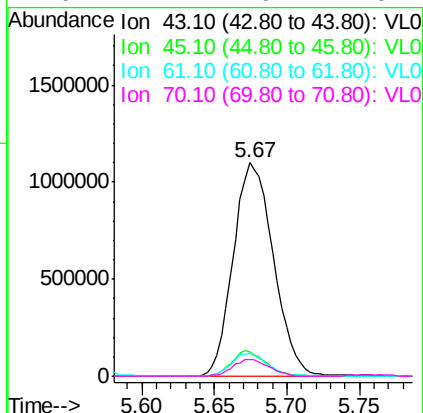
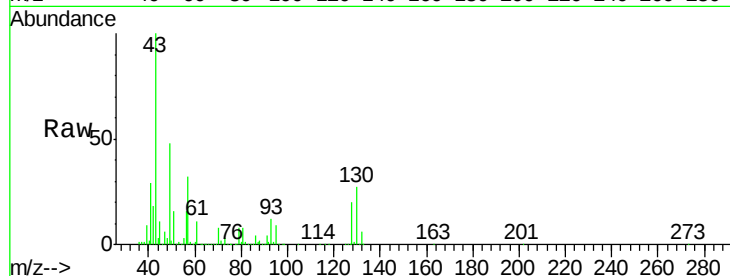
#25
Ethyl Acetate
Concen: 10.496 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.2	12.4	
61	9.9	7.8	11.6	
70	7.2	6.1	9.1	

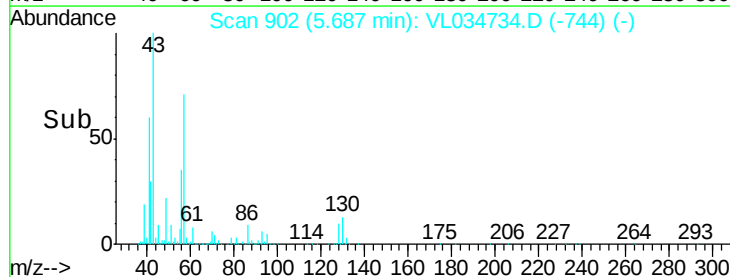
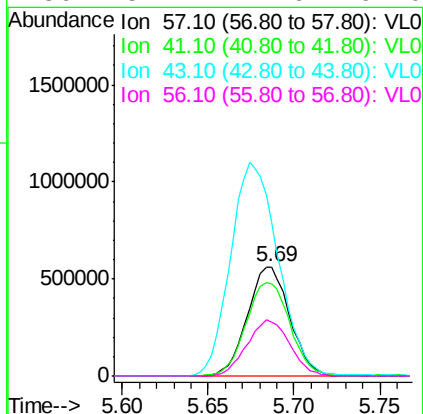
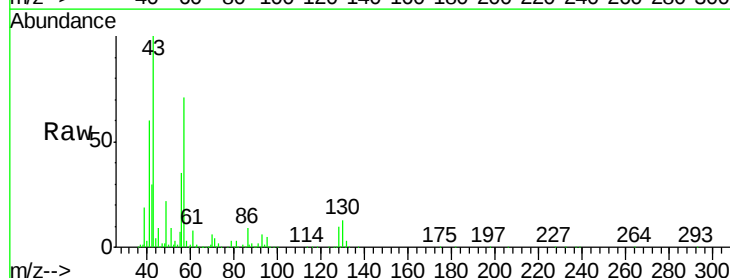
Manual Integrations
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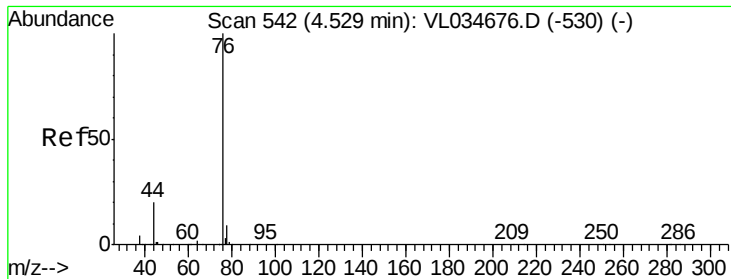
MMDadoda
3/2/2020 1:01:11 PM



#26
Hexane
Concen: 10.275 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.4	70.3	105.5	
43	222.7	177.0	265.4	
56	52.7	42.6	64.0	





#27

Carbon Disulfide

Concen: 11.572 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

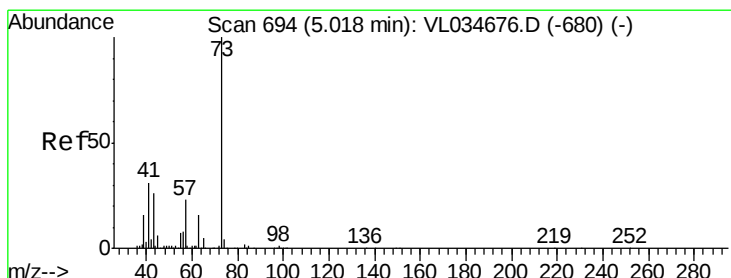
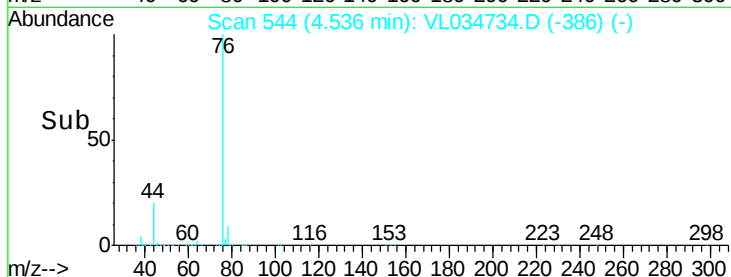
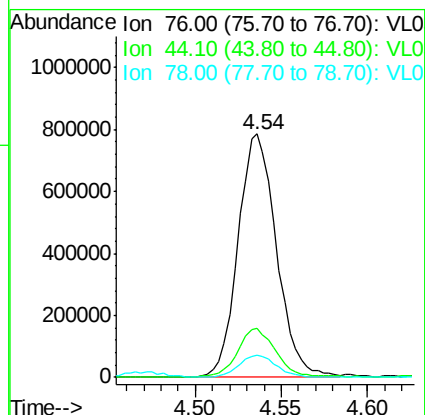
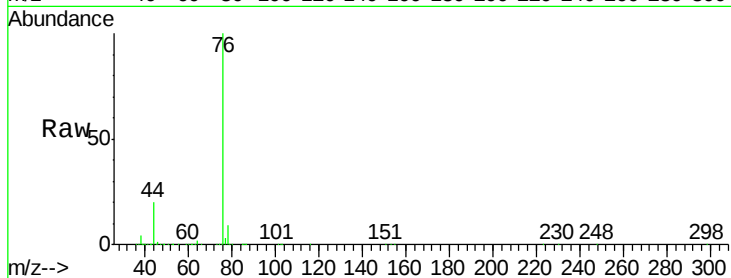
ClientSampleId :

VL0228ABS01

Tot Ion:	76	Resp:	1222294
Ion	Ratio	Lower	Upper
76	100		
44	20.1	15.3	22.9
78	9.1	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 10.781 ppbv

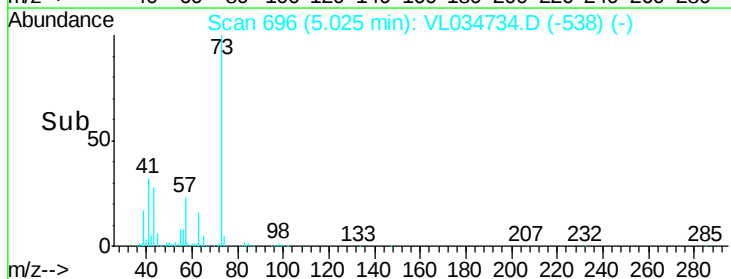
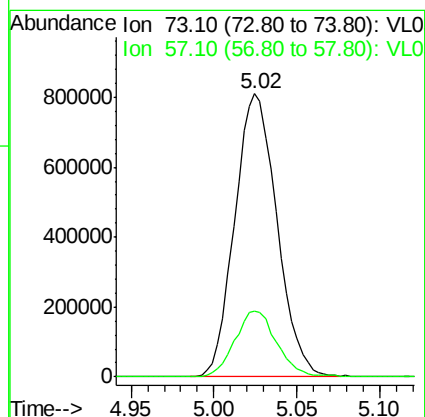
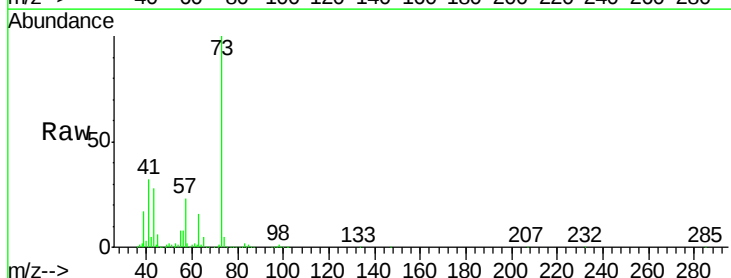
RT: 5.02 min Scan# 696

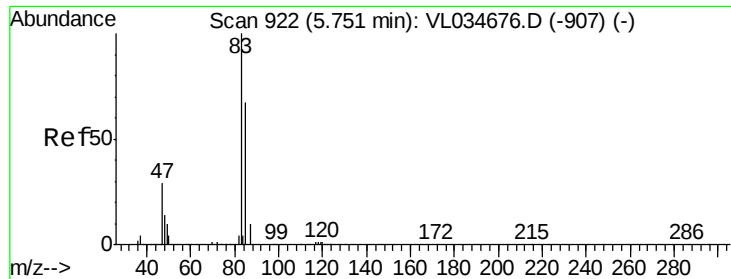
Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion:	73	Resp:	1433190
Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.6	28.0





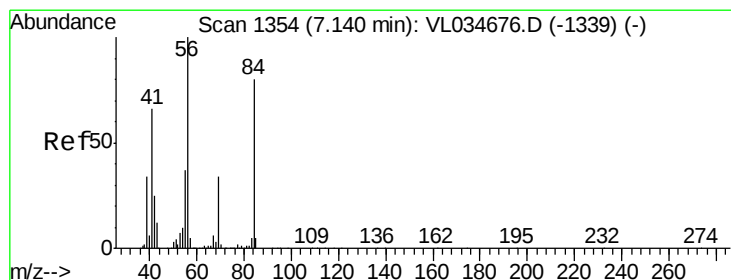
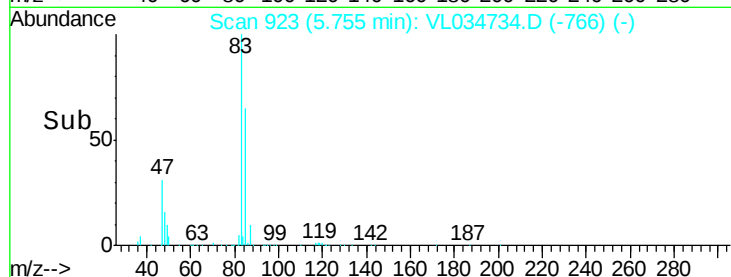
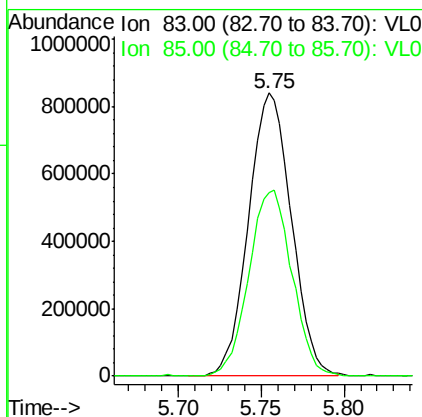
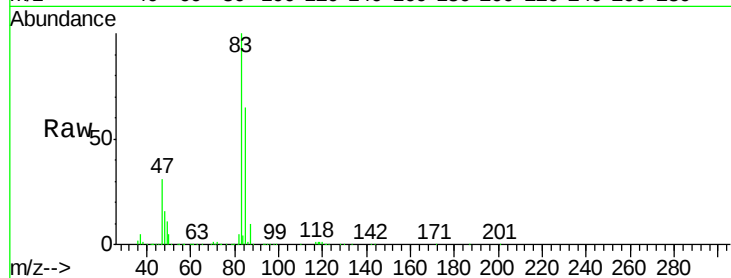
#29
Chloroform
Concen: 10.183 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion: 83 Resp: 1509619
Ion Ratio Lower Upper
83 100
85 65.0 53.9 80.9

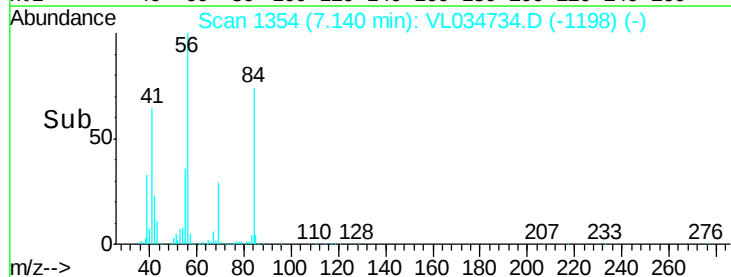
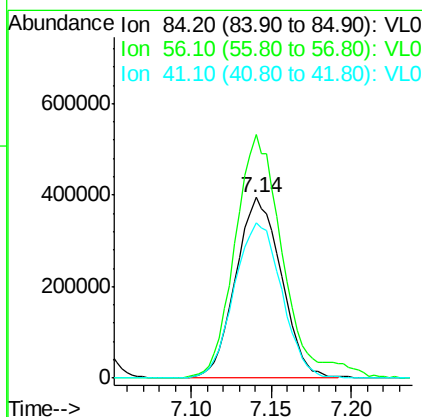
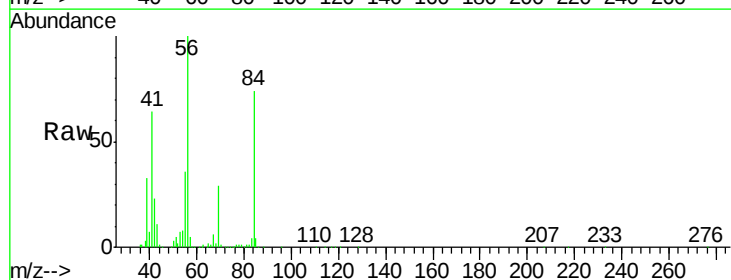
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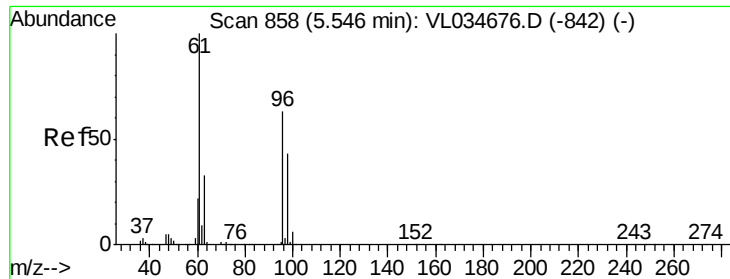
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3/2/2020 1:01:11 PM



#30
Cyclohexane
Concen: 10.642 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 84 Resp: 767456
Ion Ratio Lower Upper
84 100
56 141.7 113.4 170.2
41 89.9 68.2 102.4





#31

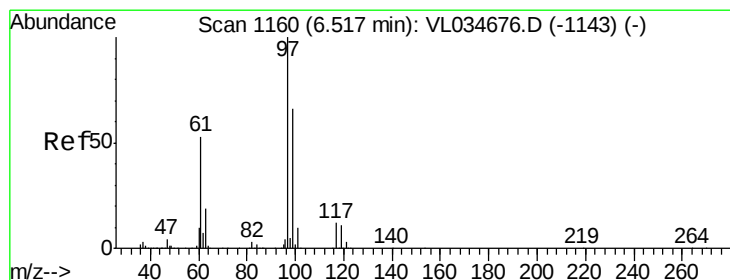
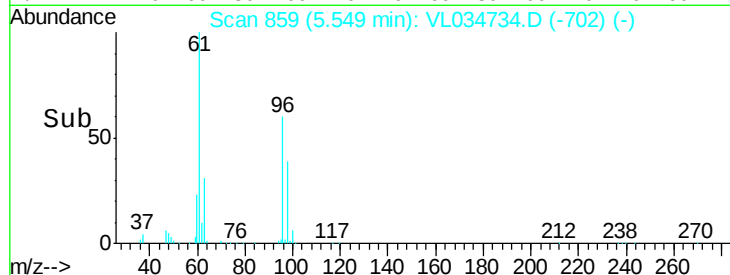
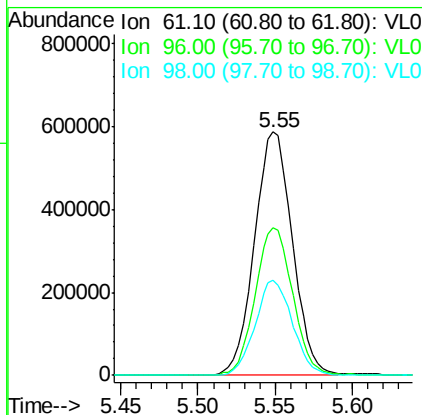
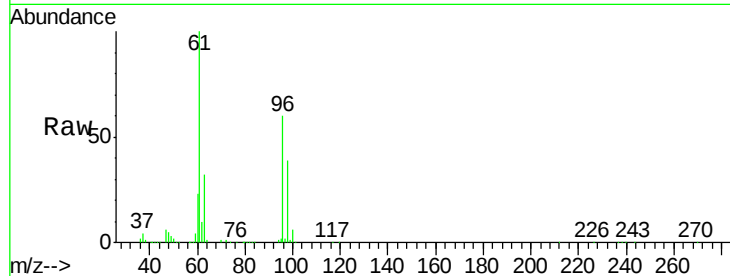
cis-1,2-Dichloroethene
 Concen: 10.968 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	60.4	50.2	75.2
98	39.1	34.3	51.5

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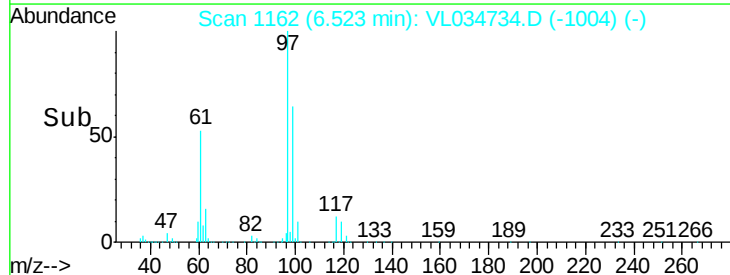
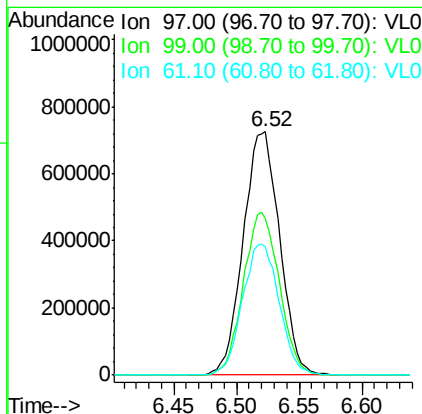
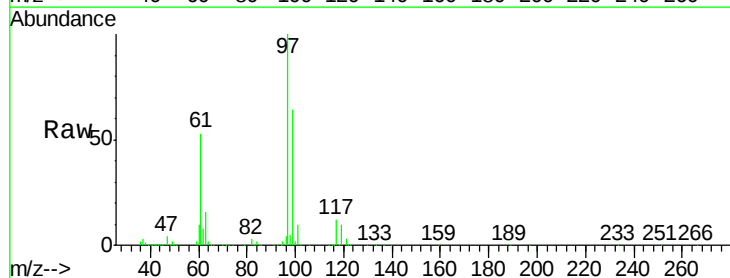
MMDadoda
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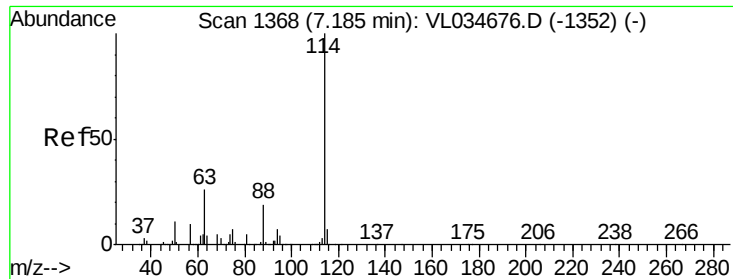


#32

1,1,1-Trichloroethane
 Concen: 10.601 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	54.4	42.8	64.2





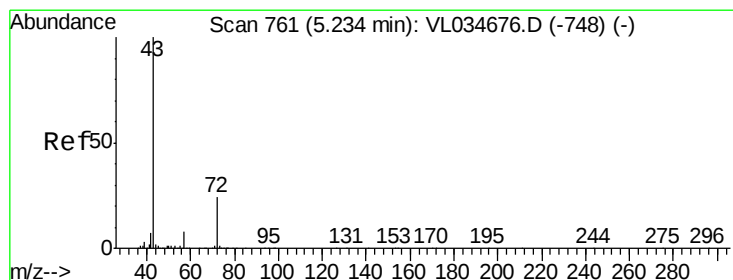
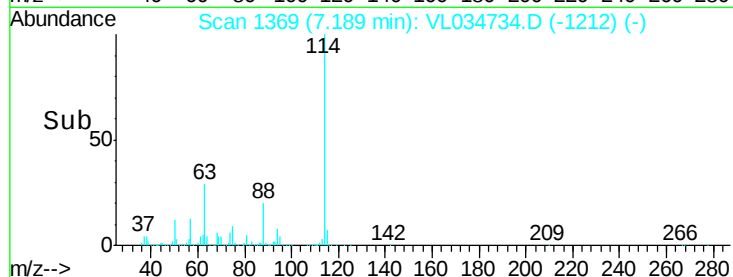
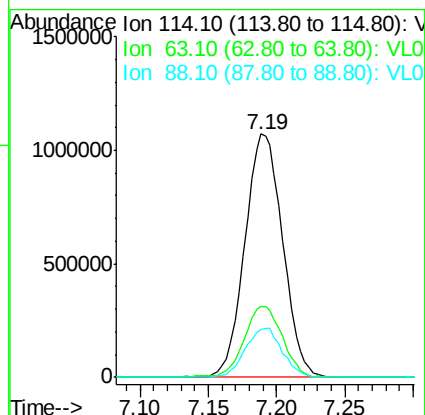
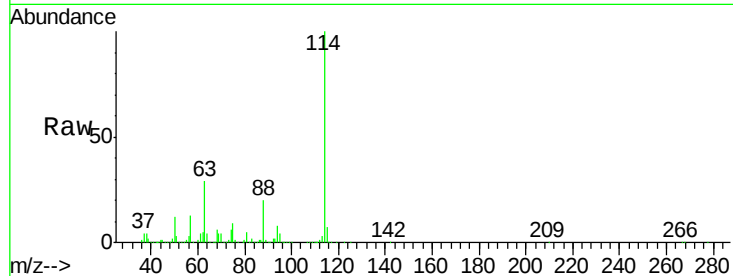
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.0	22.9	34.3
88	19.7	15.8	23.6

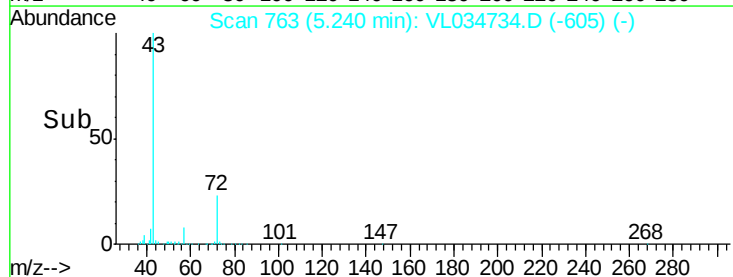
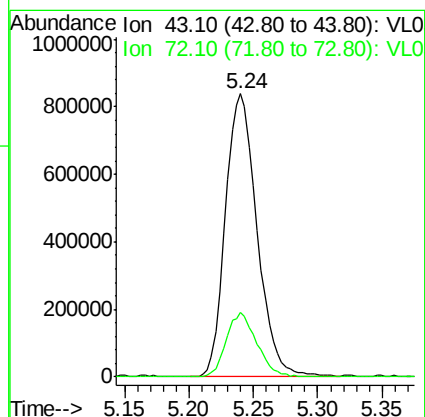
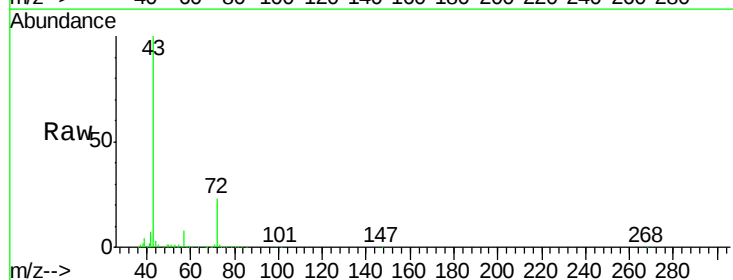
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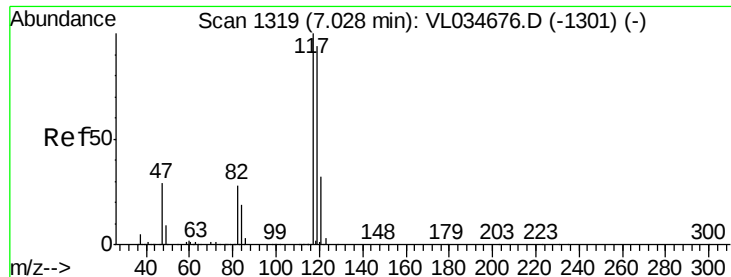
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#34
 2-Butanone
 Concen: 10.934 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.3	18.2	27.2





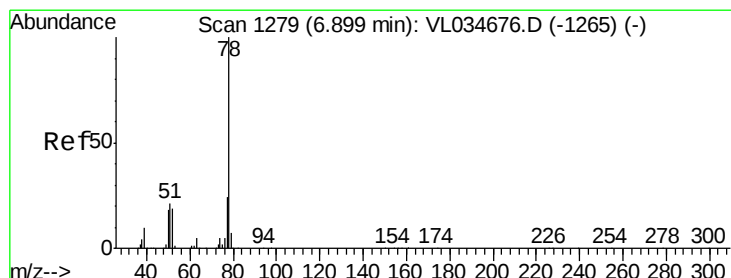
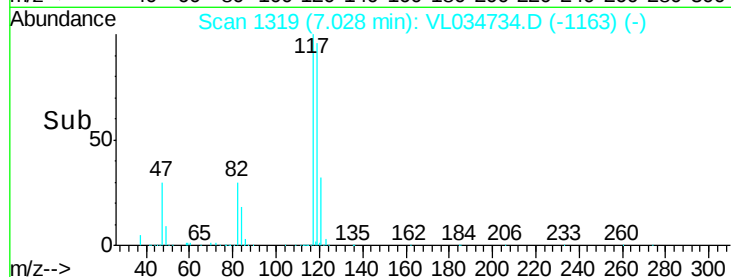
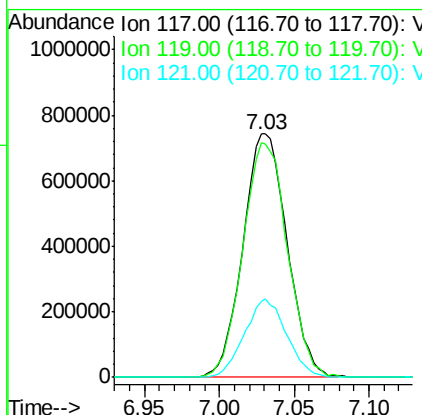
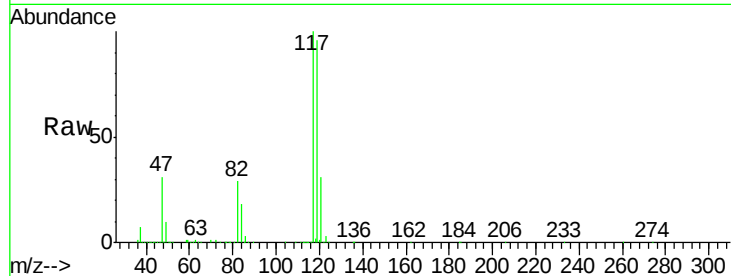
#35
Carbon Tetrachloride
Concen: 11.042 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.5	113.3
121	31.3	25.4	38.0

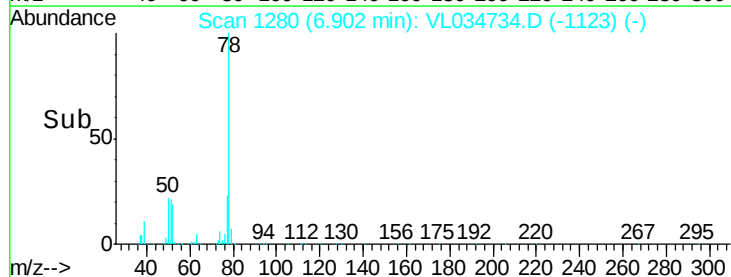
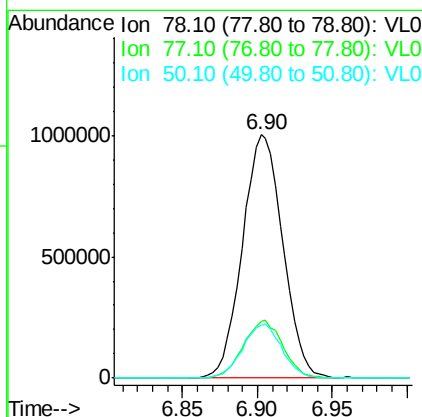
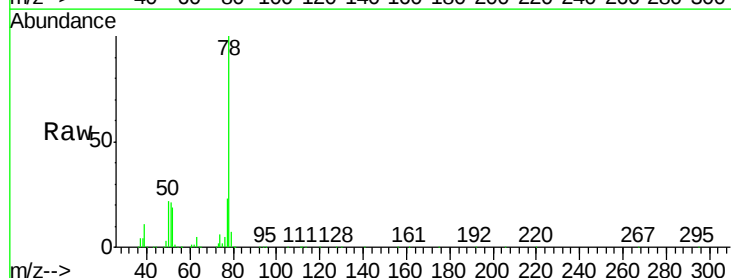
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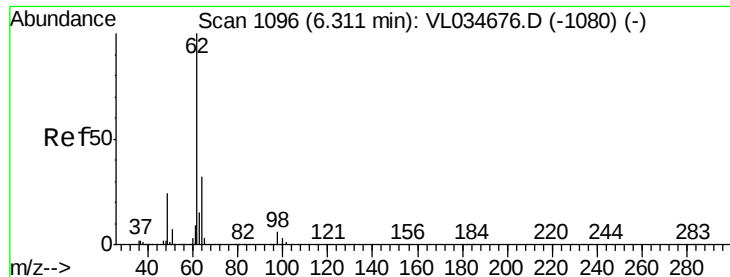
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#36
Benzene
Concen: 10.574 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.5	29.3
50	21.8	14.6	21.8





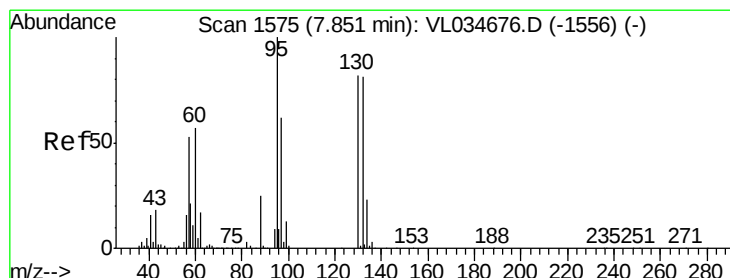
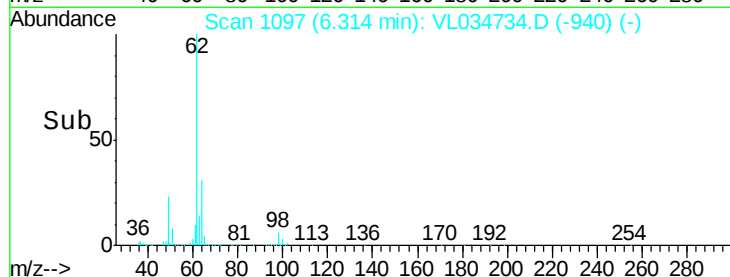
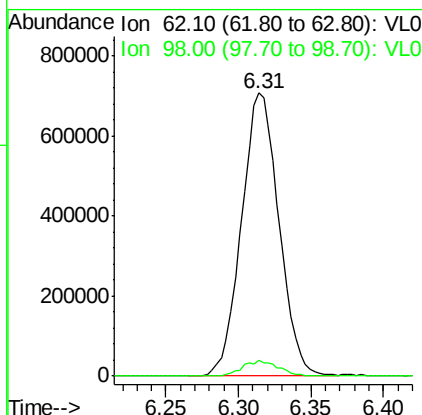
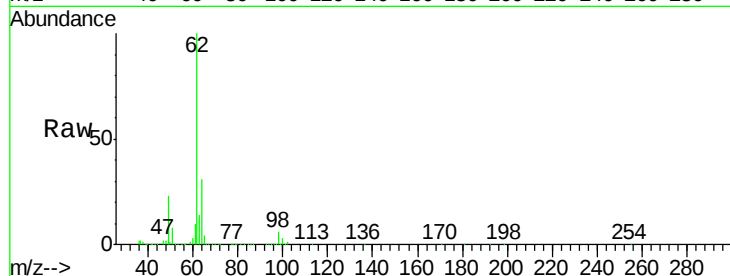
#37
 1,2-Dichloroethane
 Concen: 11.338 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.4	4.7	7.1

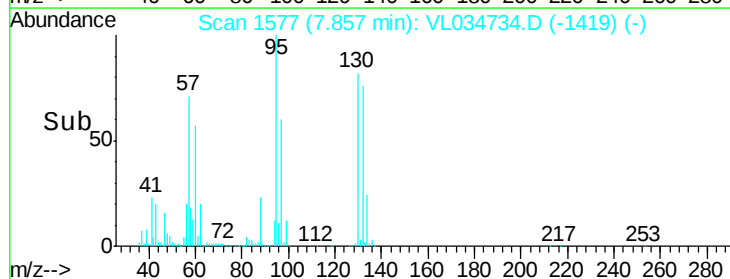
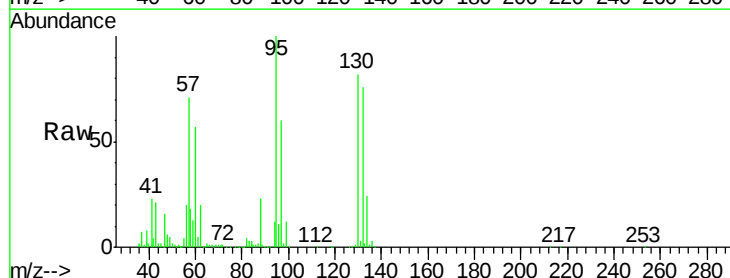
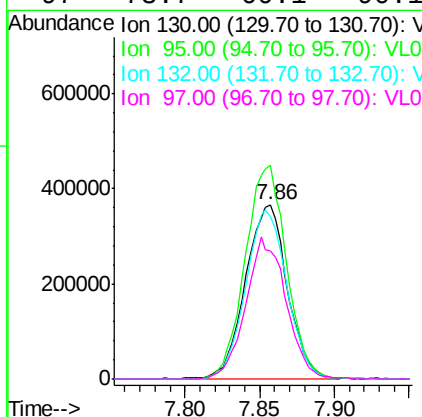
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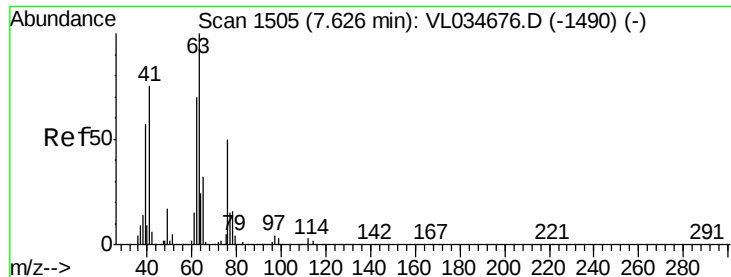
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#38
 Trichloroethene
 Concen: 10.301 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.0	97.1	145.7
132	93.5	78.3	117.5
97	73.7	60.1	90.1





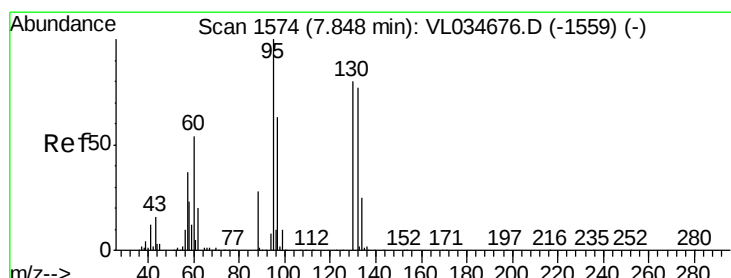
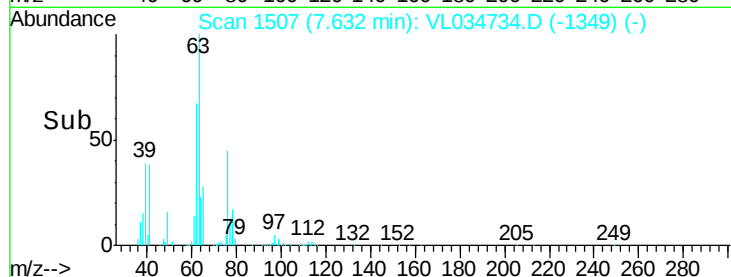
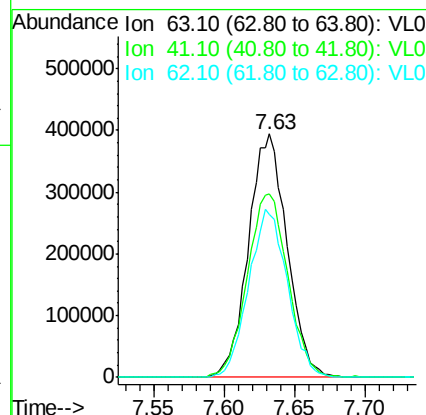
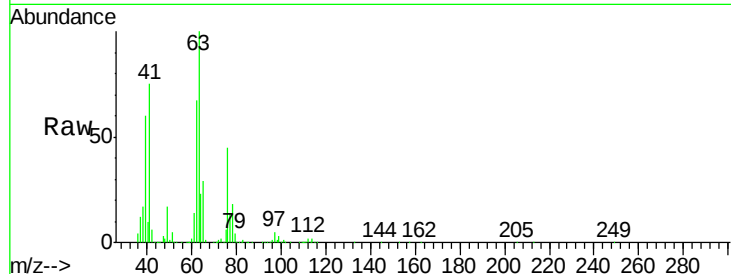
#39
 1,2-Dichloropropane
 Concen: 10.675 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	754807		
41	75.4		60.2	90.4
62	67.2		56.3	84.5

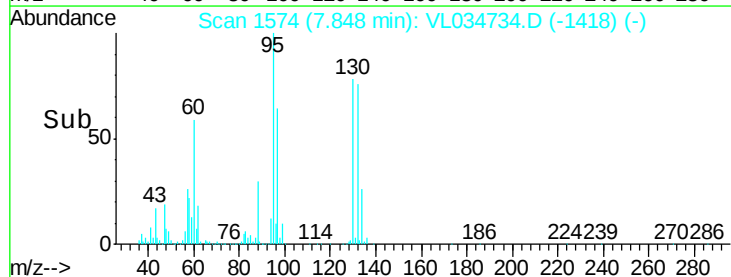
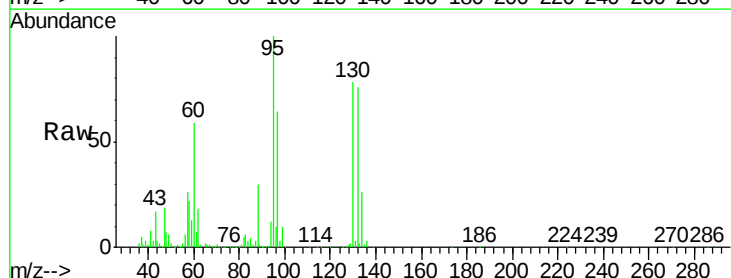
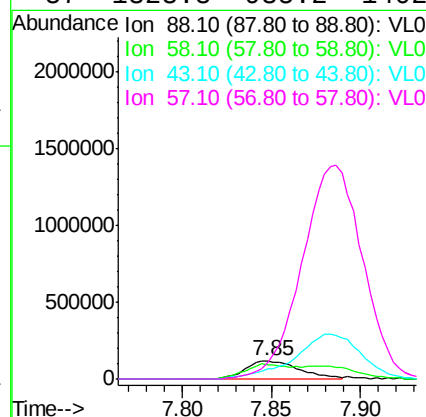
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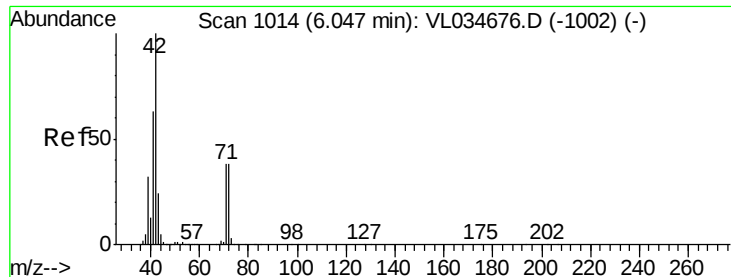
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#40
 1,4-Dioxane
 Concen: 10.309 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	247868		
58	142.7		104.6	156.8
43	305.7		212.9	319.3
57	1328.8		935.2	1402.8





#41

Tetrahydrofuran

Concen: 11.495 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

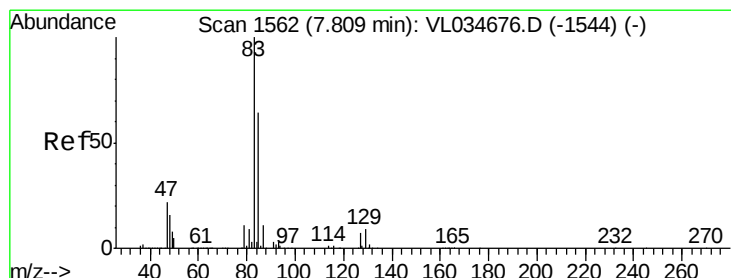
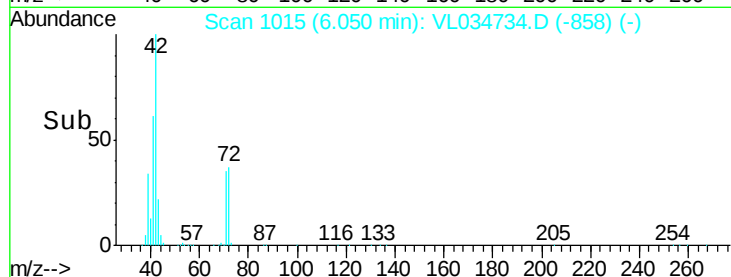
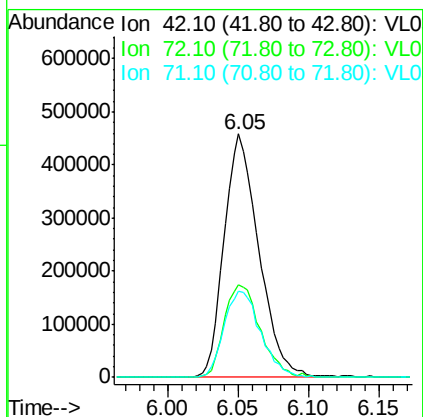
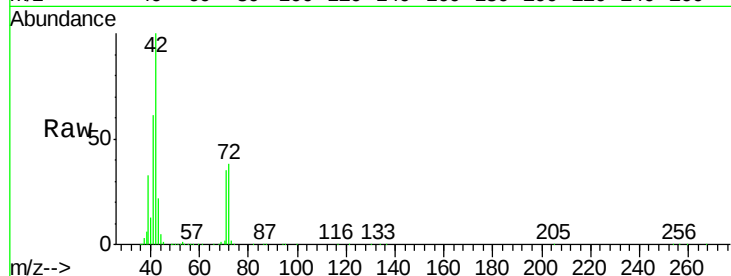
ClientSampleId :

VL0228ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.7	47.5
71	37.7	30.7	46.1

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#42

Bromodichloromethane

Concen: 11.171 ppbv

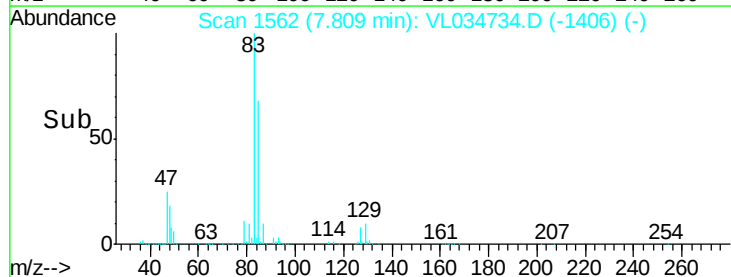
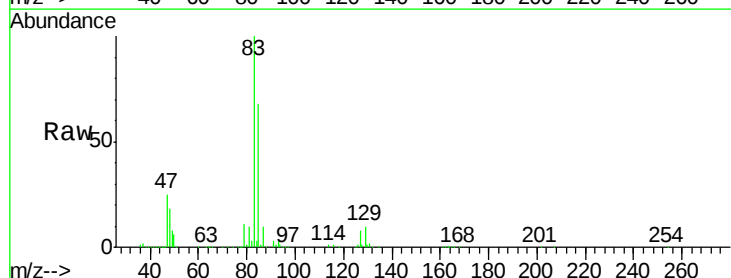
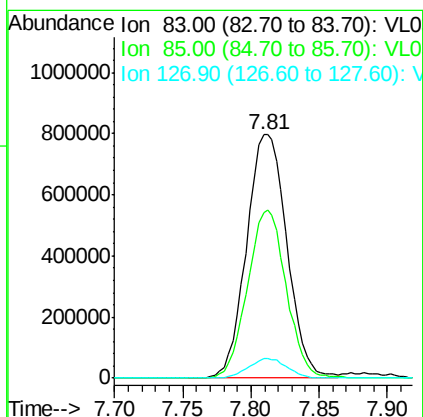
RT: 7.81 min Scan# 1562

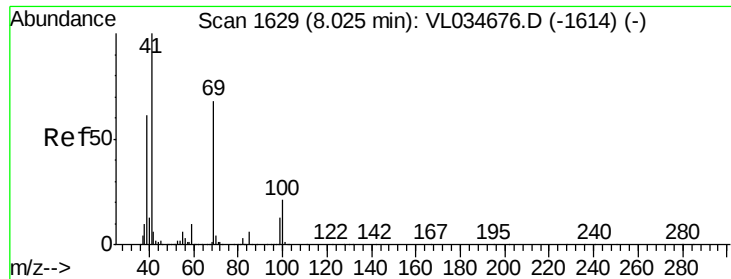
Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.1	76.7
127	7.9	5.8	8.8





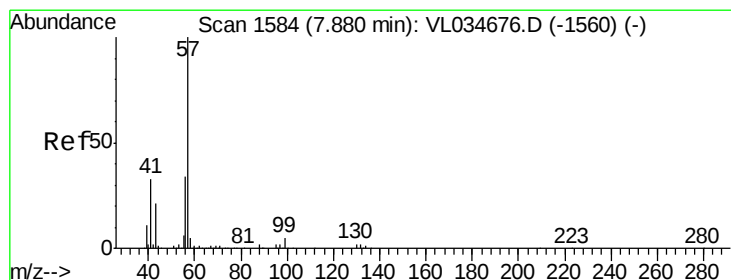
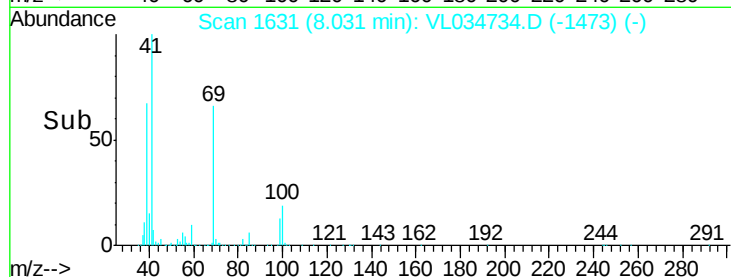
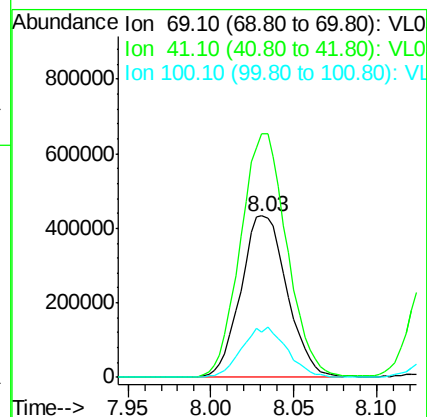
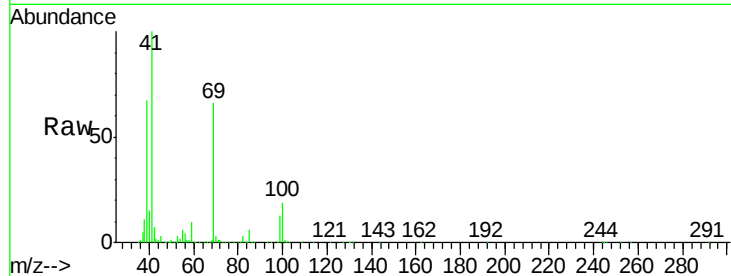
#43
Methvl Methacrilate
Concen: 11.167 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	152.5	118.2	177.2
100	30.7	24.2	36.2

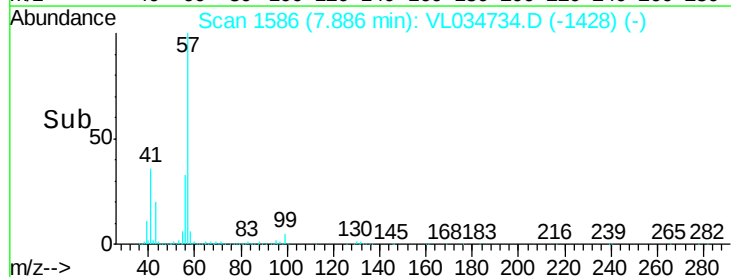
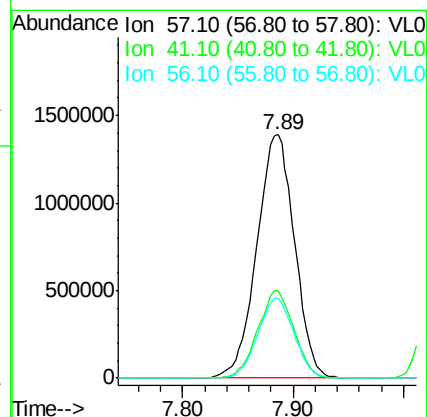
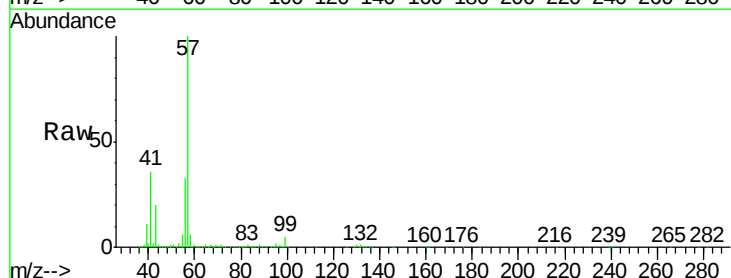
Manual Integrations
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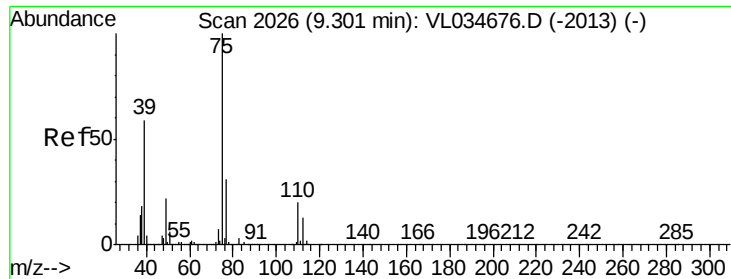
MMDadoda
3/2/2020 1:01:11 PM



#44
2,2,4-Trimethylpentane
Concen: 10.589 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.6	26.0	39.0
56	31.5	25.6	38.4





#45

t-1,3-Dichloropropene

Concen: 13.009 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tot Ion: 75 Resp: 1061205

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

Instrument :

MSVOA_L

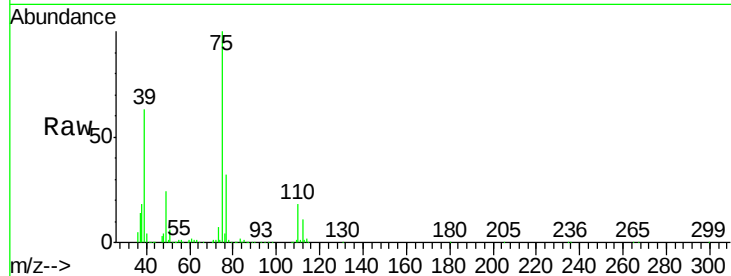
ClientSampleId :

VL0228ABS01

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

600000

500000

400000

300000

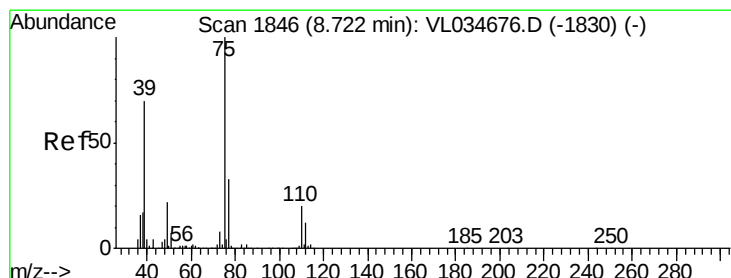
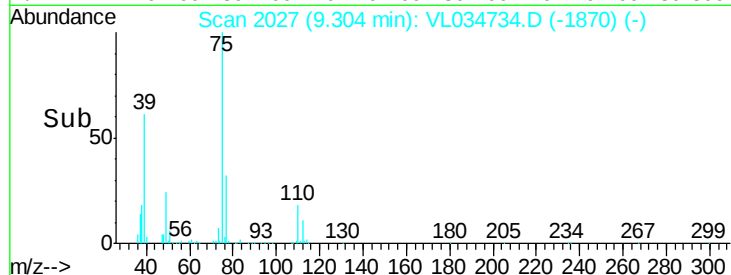
200000

100000

0

9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.389 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

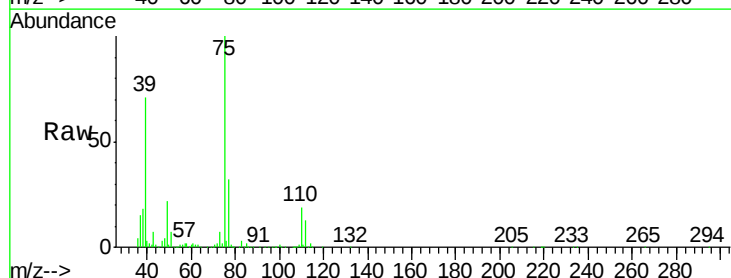
Tgt Ion: 75 Resp: 1211970

Ion Ratio Lower Upper

75 100

39 70.5 55.7 83.5

77 31.6 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

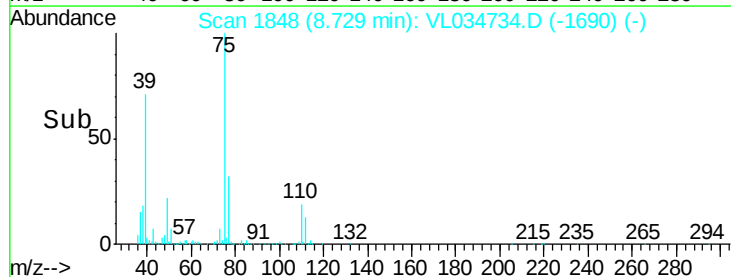
400000

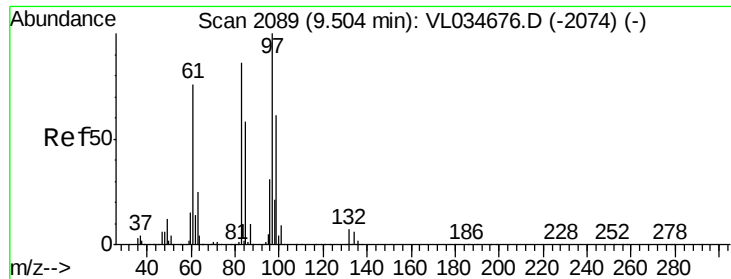
200000

0

8.65 8.70 8.75 8.80

Time-->





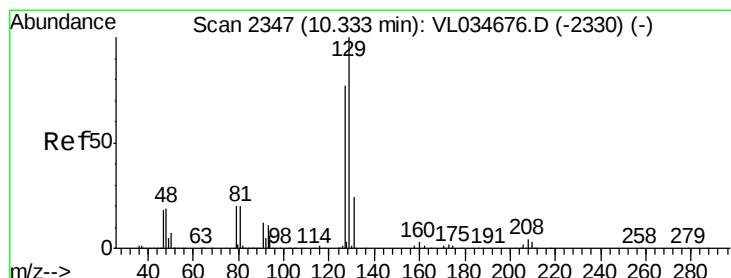
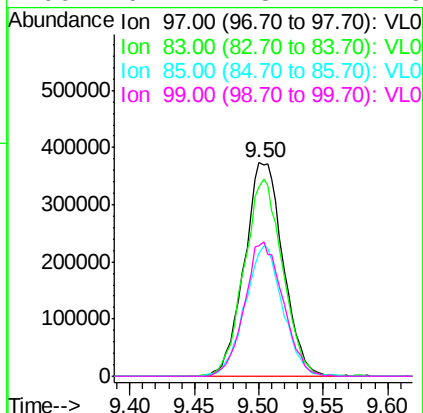
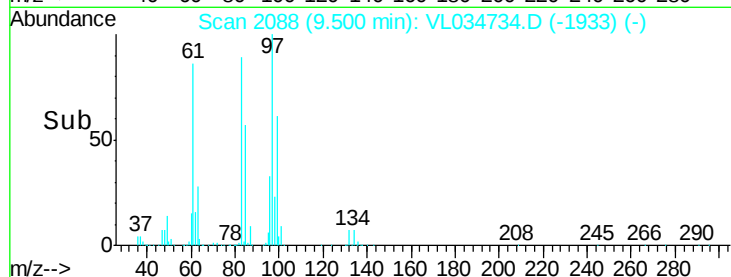
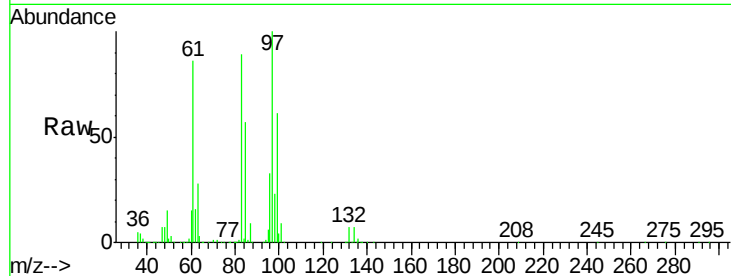
#47
 1,1,2-Trichloroethane
 Concen: 10.791 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.8	69.4	104.0	
85	57.3	46.4	69.6	
99	61.2	48.4	72.6	

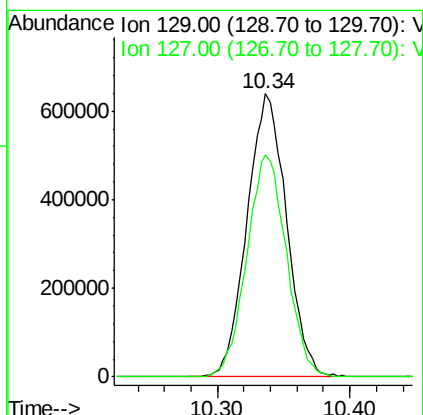
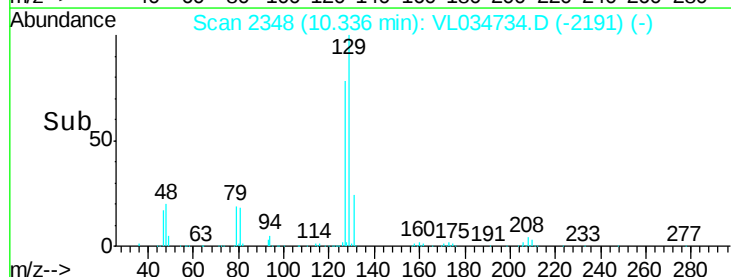
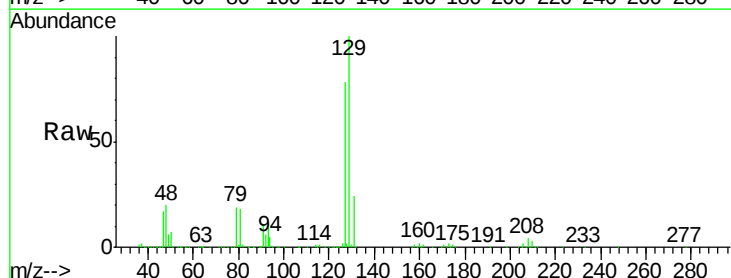
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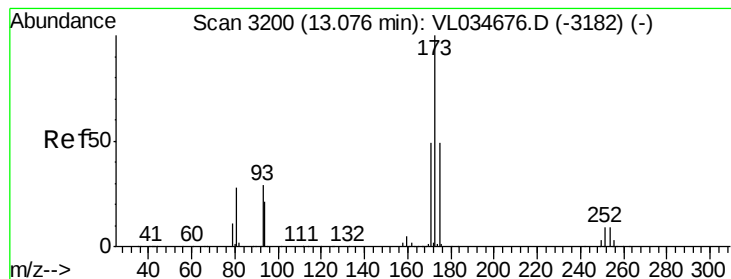
MMDadoda
 3/2/2020 1:01:11 PM



#48
 Dibromochloromethane
 Concen: 11.754 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.3	117.8	





#49

Bromoform

Concen: 12.043 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion:173 Resp: 1177736

Ion Ratio Lower Upper

173 100

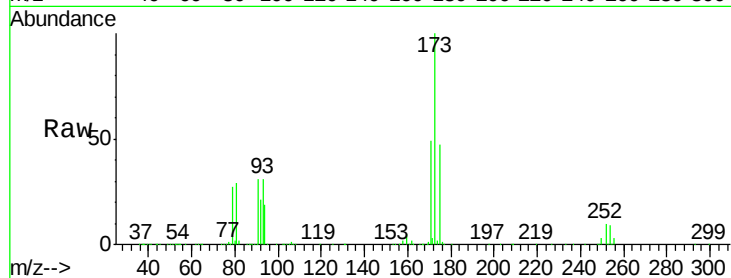
175 48.7 38.6 58.0

171 51.4 41.5 62.3

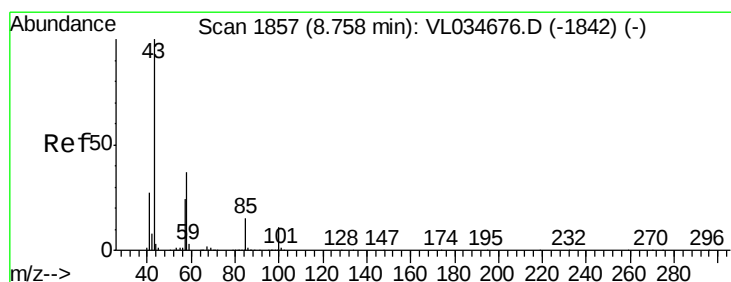
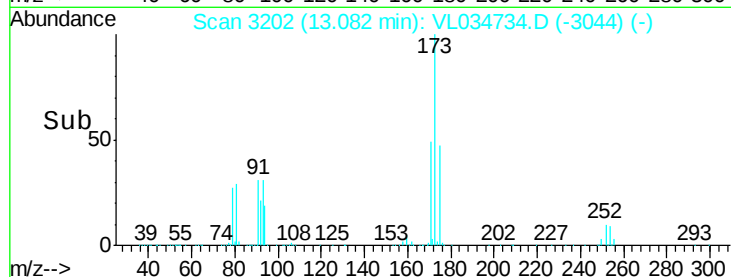
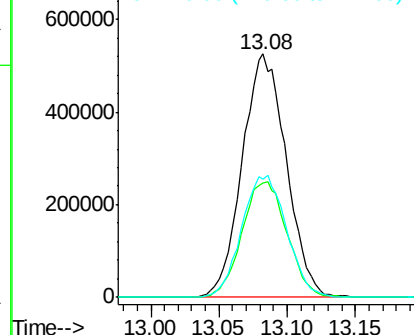
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.692 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL034734.D

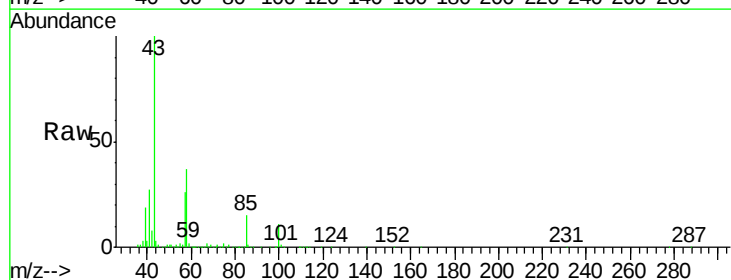
Acq: 28 Feb 2020 11:26

Tgt Ion: 43 Resp: 2144759

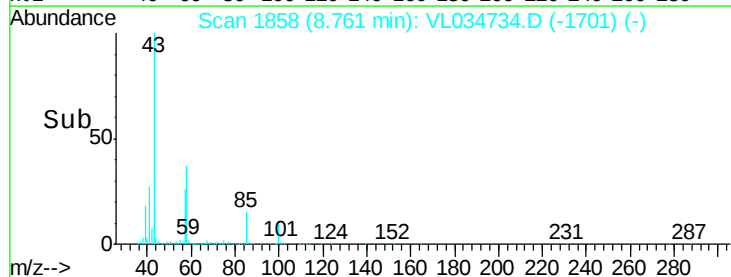
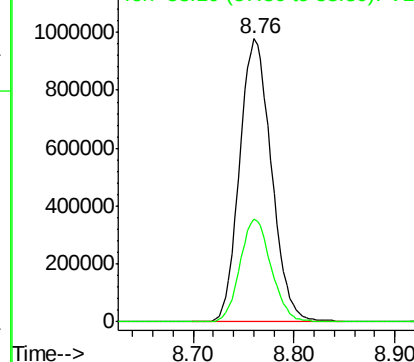
Ion Ratio Lower Upper

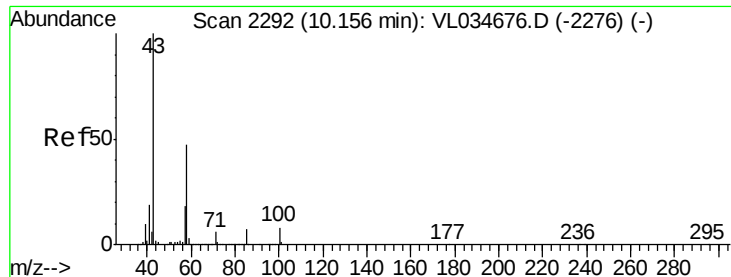
43 100

58 35.6 29.0 43.6



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





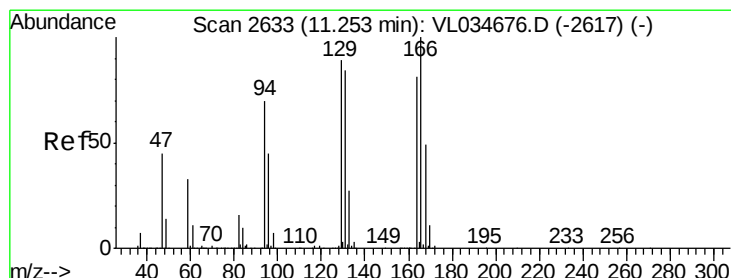
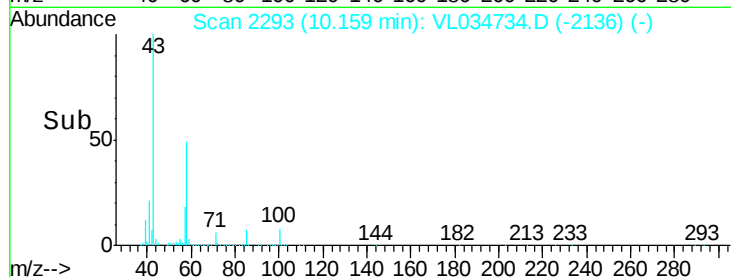
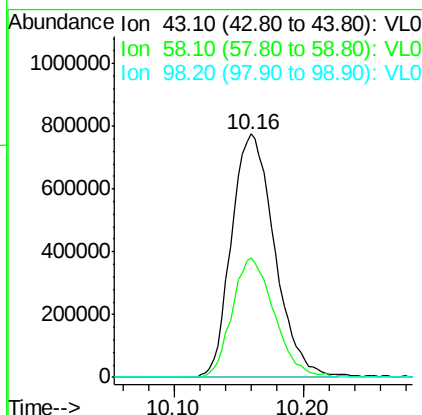
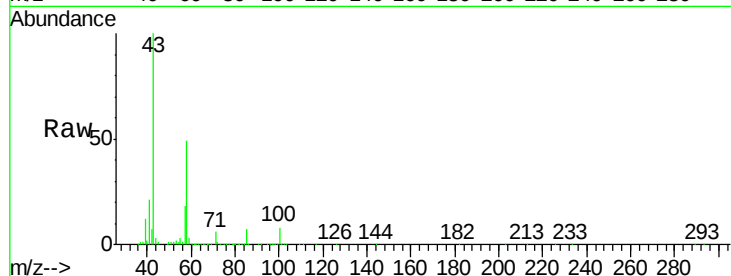
#51
2-Hexanone
Concen: 12.474 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion: 43 Resp: 1800765
Ion Ratio Lower Upper
43 100
58 48.2 39.4 59.0
98 0.3 0.2 0.2#

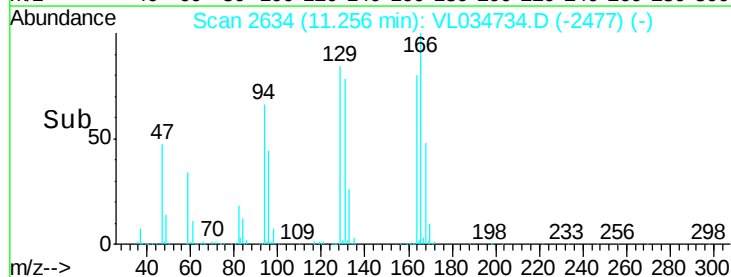
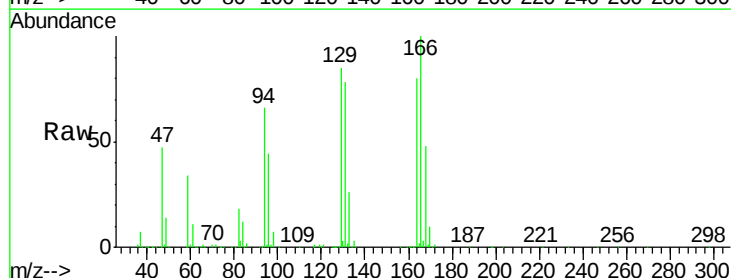
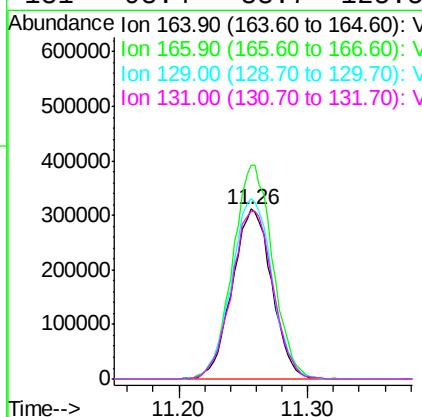
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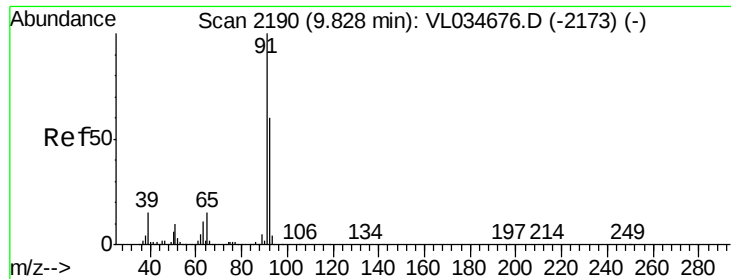
MMDadoda
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#52
Tetrachloroethene
Concen: 10.192 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 164 Resp: 663970
Ion Ratio Lower Upper
164 100
166 125.3 99.2 148.8
129 106.0 88.0 132.0
131 98.4 83.7 125.5





#53

Toluene

Concen: 11.340 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tot Ion: 91 Resp: 2143615

Ion Ratio Lower Upper

91 100

92 60.4 48.5 72.7

Instrument :

MSVOA_L

ClientSampleId :

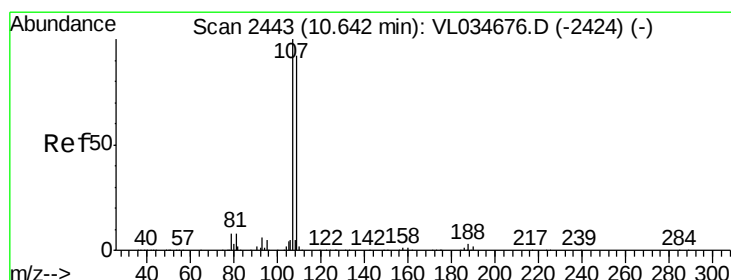
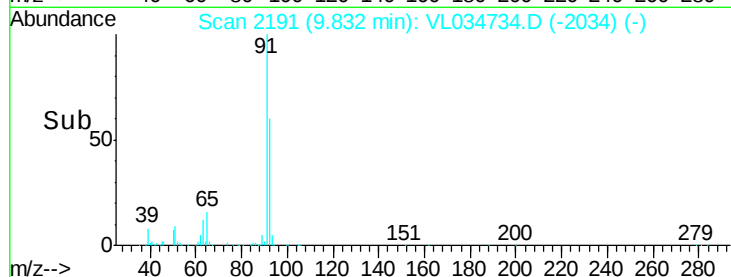
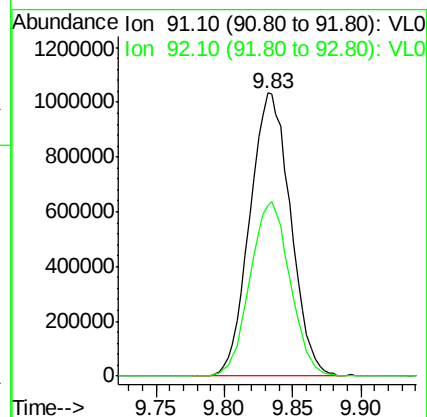
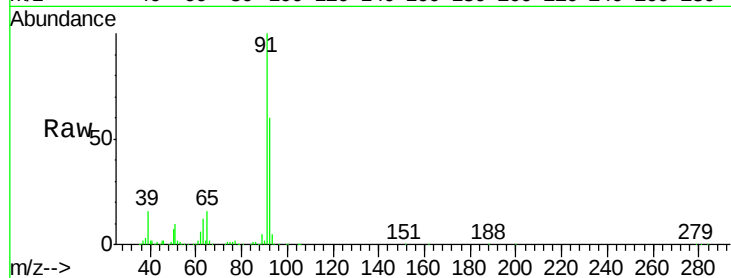
VL0228ABS01

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 11.222 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034734.D

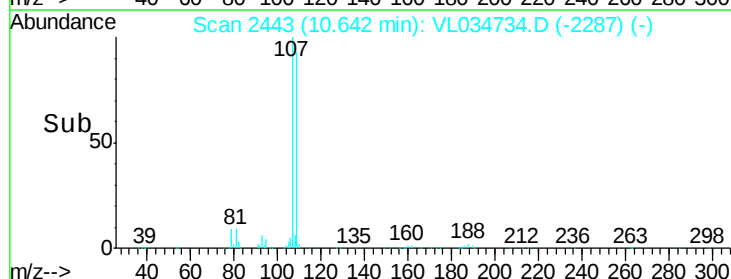
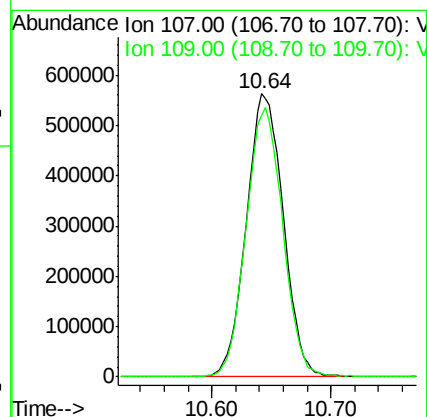
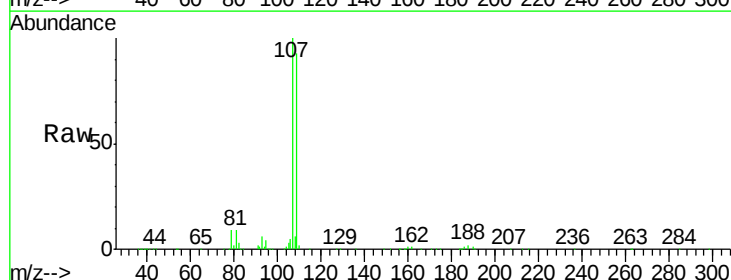
Acq: 28 Feb 2020 11:26

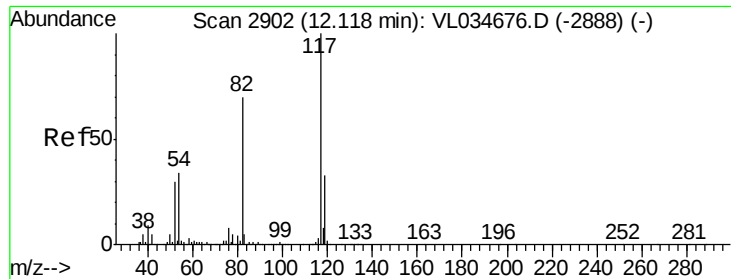
Tgt Ion: 107 Resp: 1214420

Ion Ratio Lower Upper

107 100

109 92.5 73.9 110.9





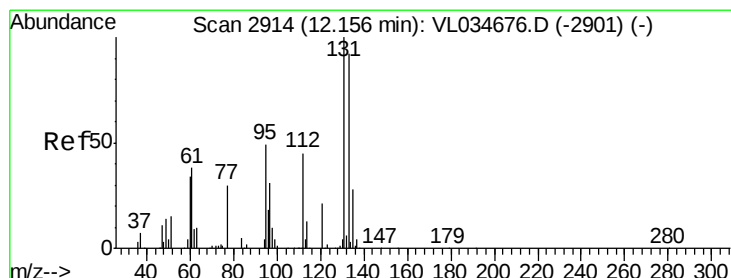
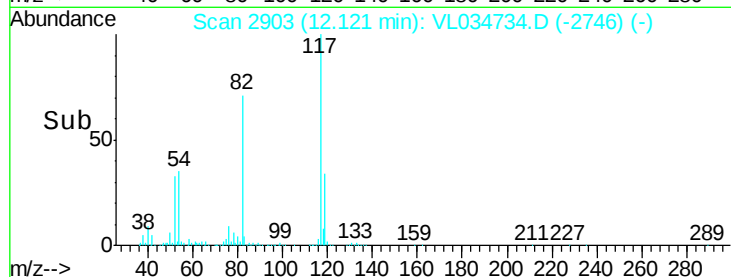
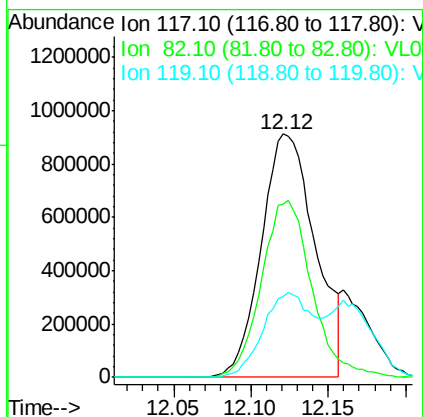
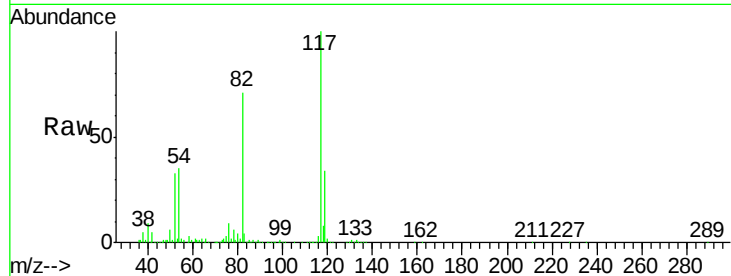
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	54.1	81.1
119	31.2	27.6	41.4

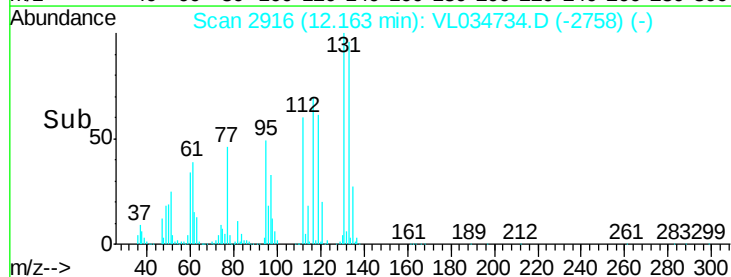
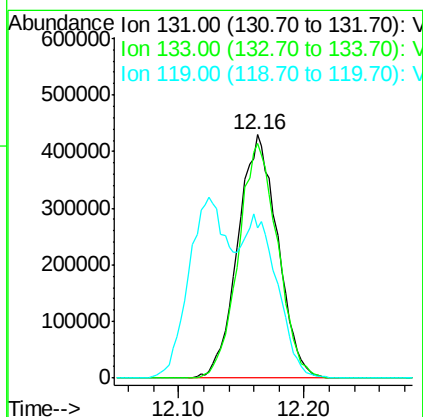
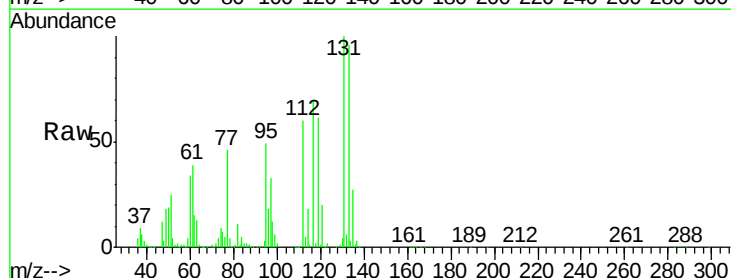
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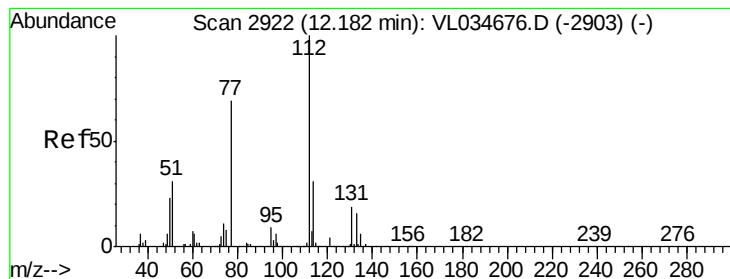
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.037 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.6	114.8
119	53.5	51.3	76.9





#57

Chlorobenzene

Concen: 9.984 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion: 112 Resp: 1633636

Ion Ratio Lower Upper

112 100

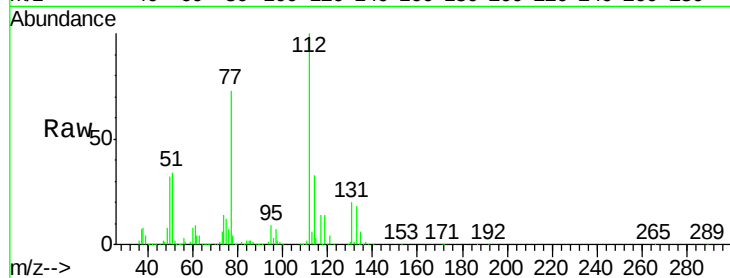
77 72.8 56.5 84.7

114 32.9 28.1 34.3

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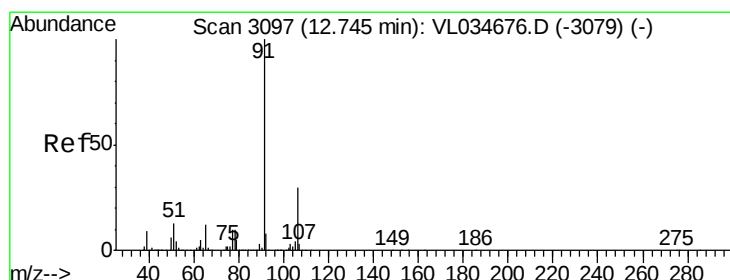
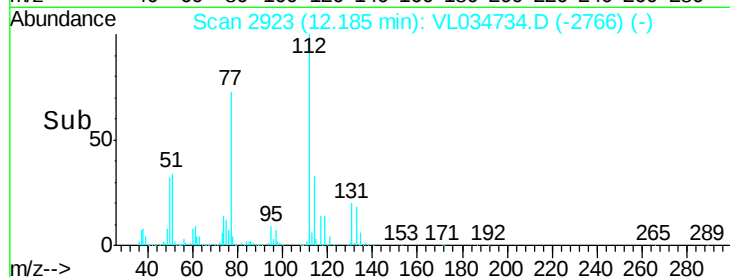
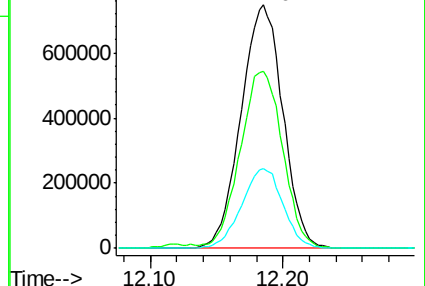
3/2/2020 1:01:11 PM



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.983 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.00 min

Lab File: VL034734.D

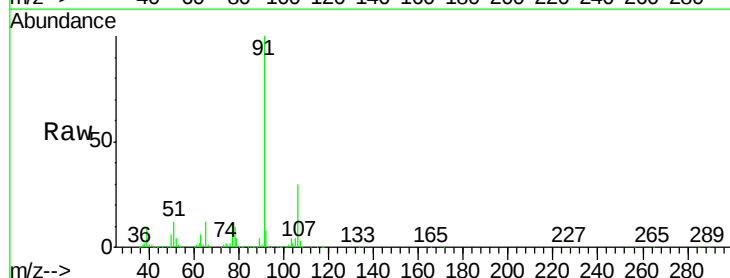
Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 2941534

Ion Ratio Lower Upper

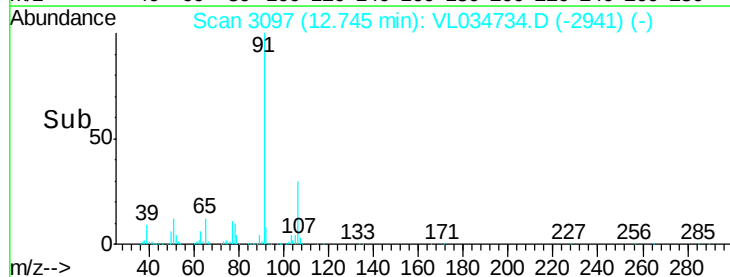
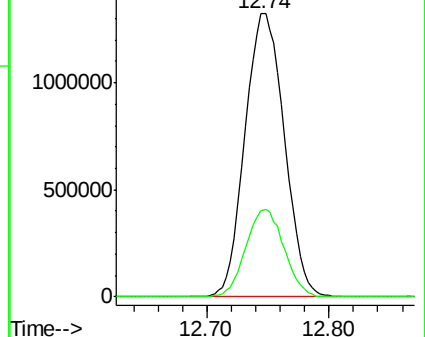
91 100

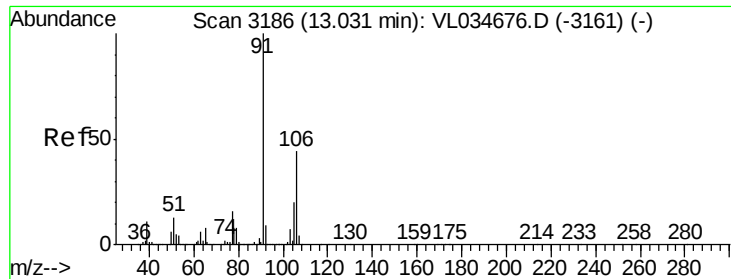
106 30.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





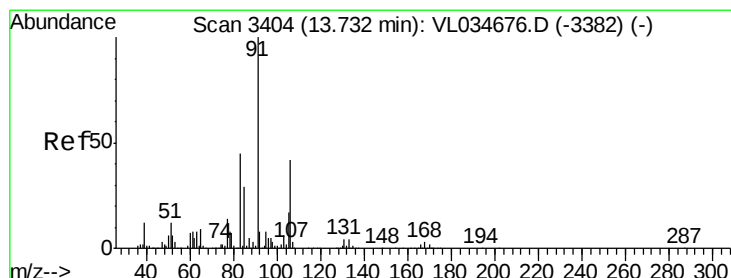
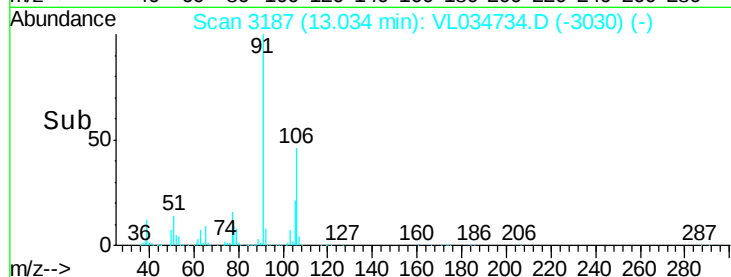
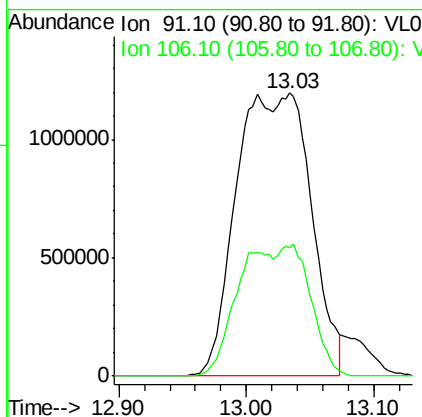
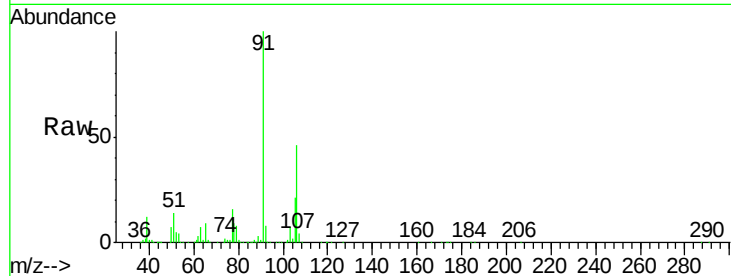
#59
m/p-Xylene
Concen: 20.751 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion: 91 Resp: 4847487
Ion Ratio Lower Upper
91 100
106 44.5 35.6 53.4

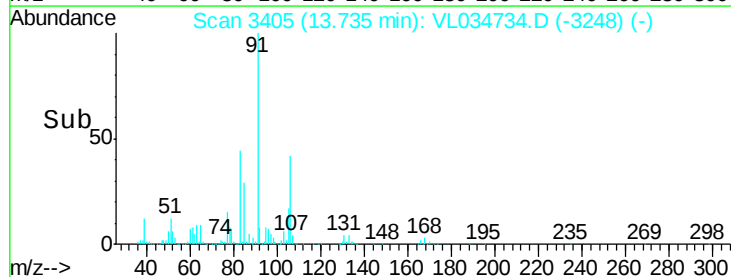
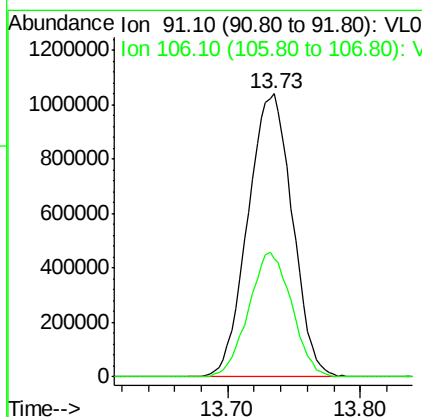
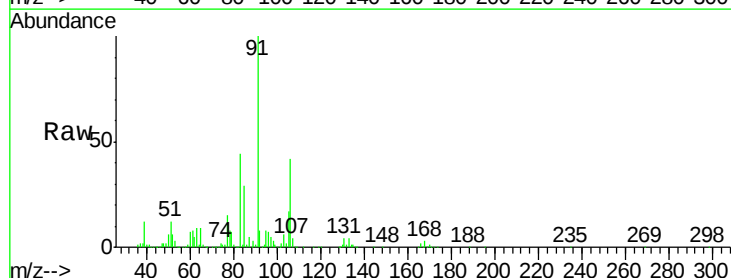
Manual Integrations
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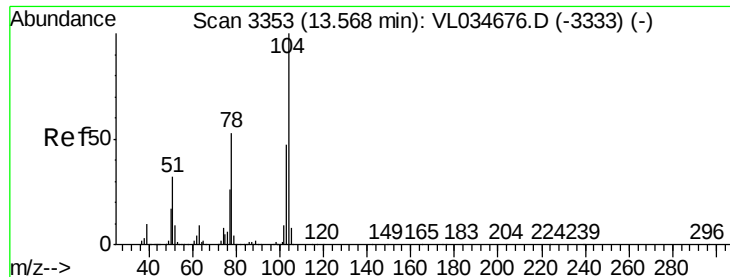
MMDadoda
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#60
o-Xylene
Concen: 10.445 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion: 91 Resp: 2421366
Ion Ratio Lower Upper
91 100
106 42.8 21.9 65.5





#61

Stvrene

Concen: 11.516 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion:104 Resp: 1714824

Ion Ratio Lower Upper

104 100

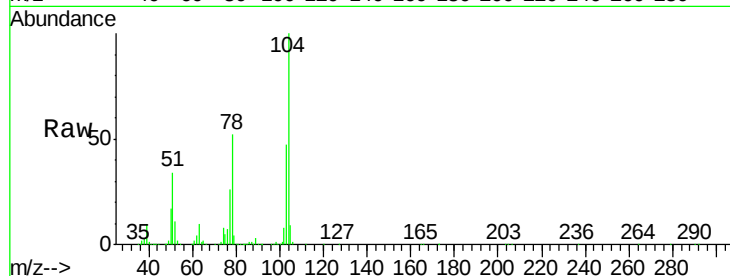
78 57.0 44.2 66.4

103 47.1 37.4 56.0

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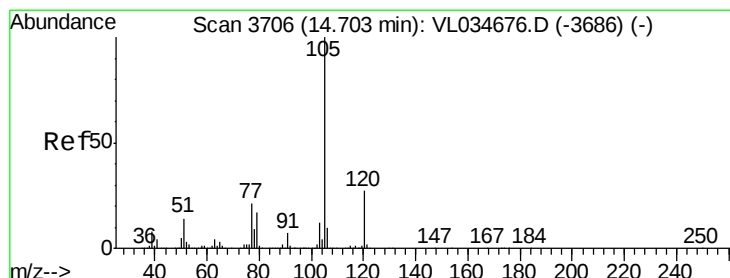
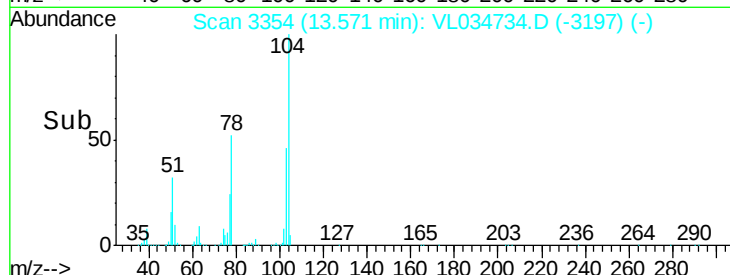
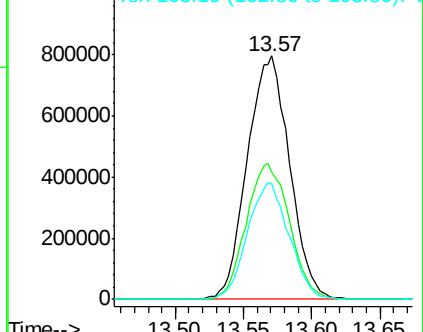
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.995 ppbv

RT: 14.71 min Scan# 3708

Delta R.T. 0.01 min

Lab File: VL034734.D

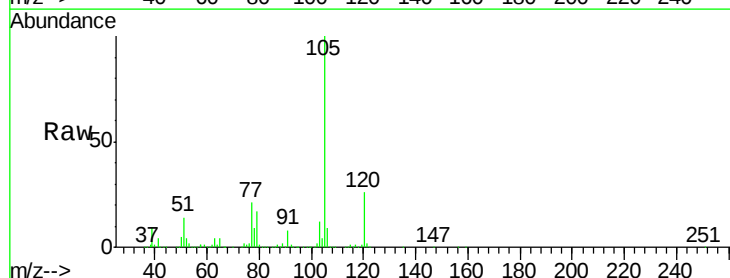
Acq: 28 Feb 2020 11:26

Tgt Ion:105 Resp: 3379845

Ion Ratio Lower Upper

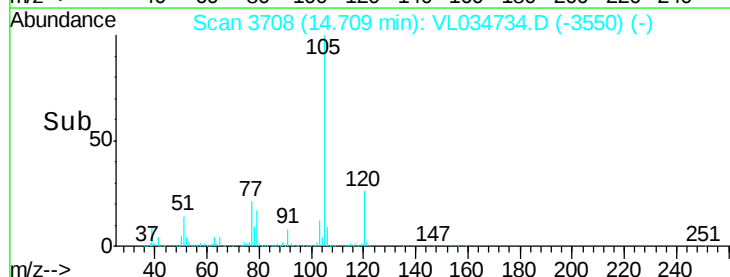
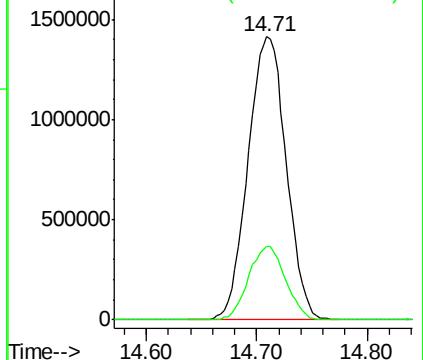
105 100

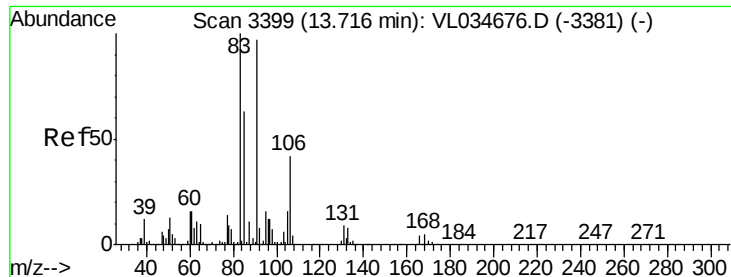
120 25.2 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





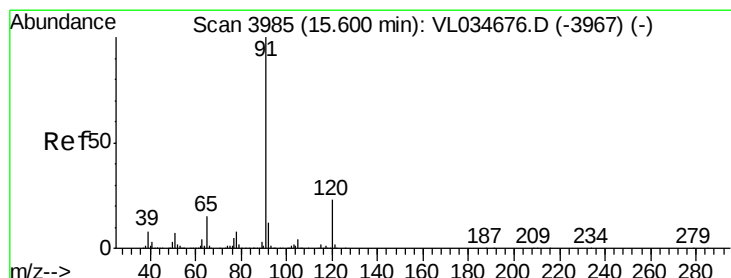
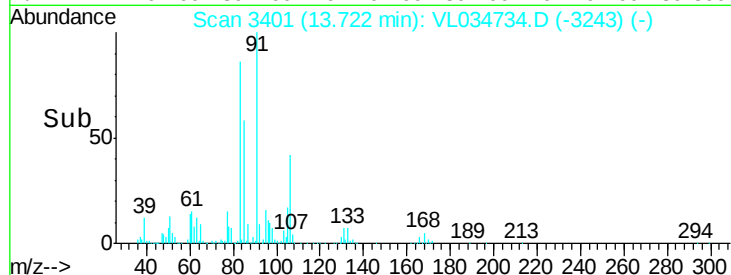
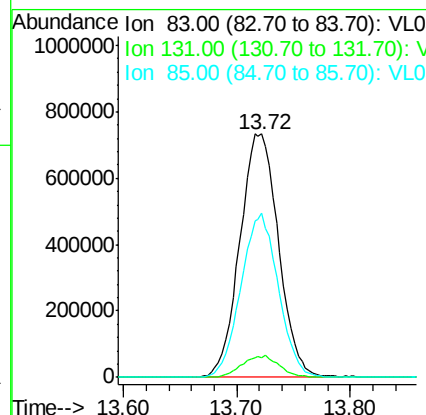
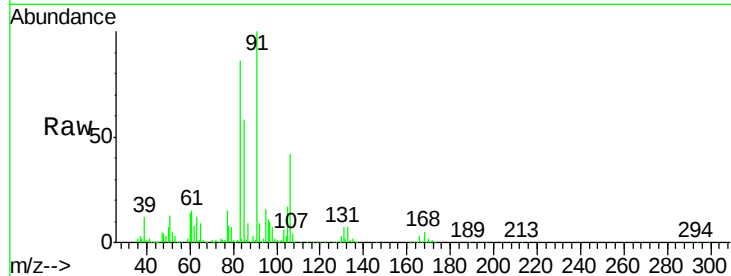
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.664 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.4	13.2
85	65.3	32.5	97.5

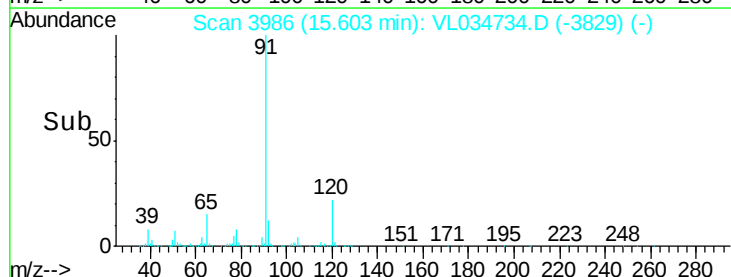
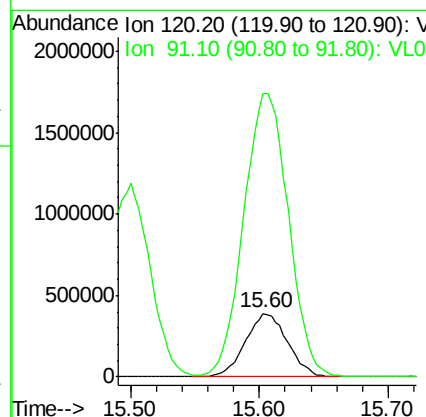
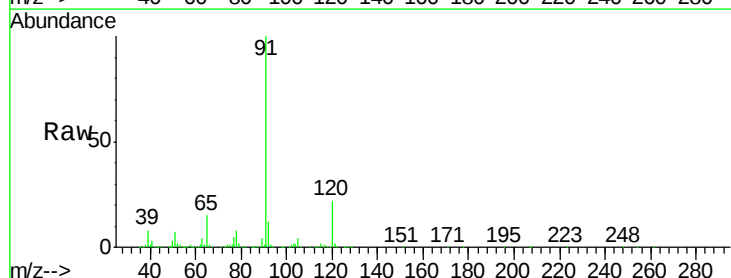
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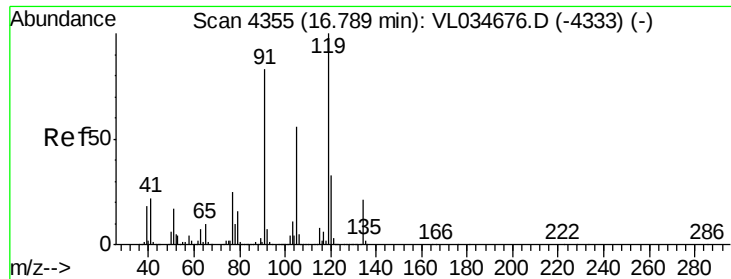
MMDadoda
 3/2/2020 1:01:11 PM



#64
 n-propylbenzene
 Concen: 10.104 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
120	100		
91	478.8	369.8	554.8





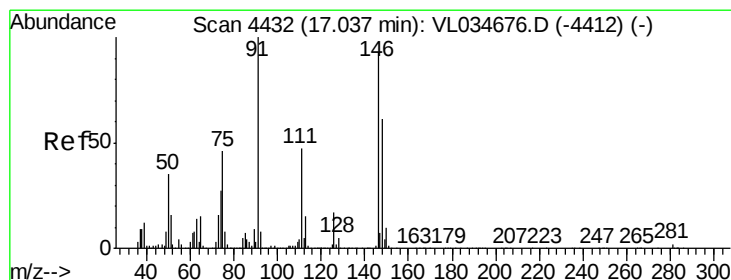
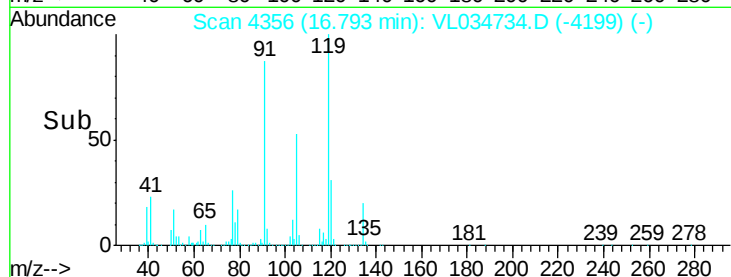
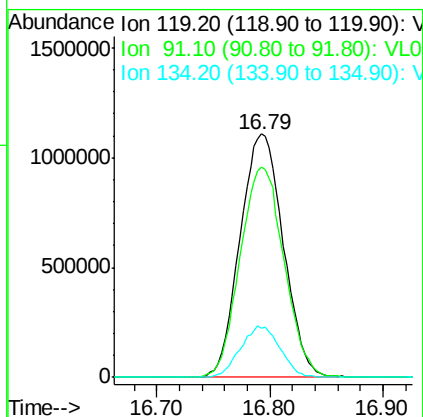
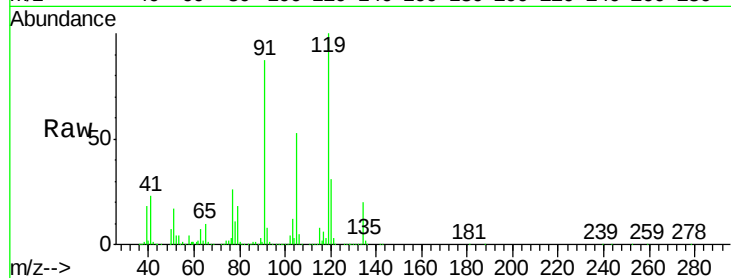
#65
tert-Butylbenzene
Concen: 10.067 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.9	69.1	103.7
134	19.3	15.8	23.8

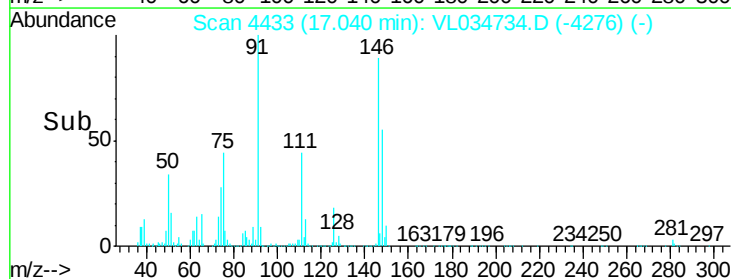
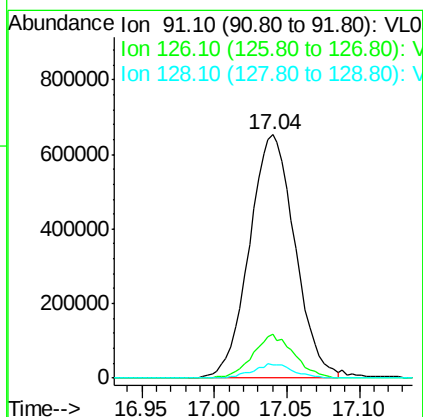
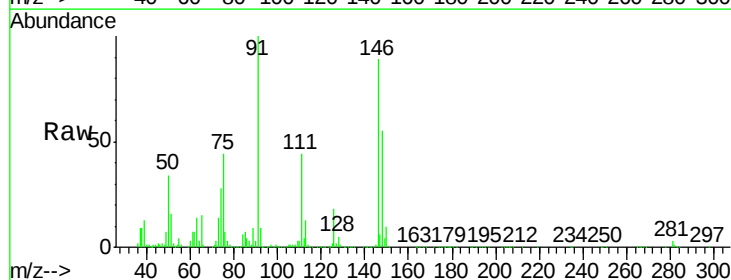
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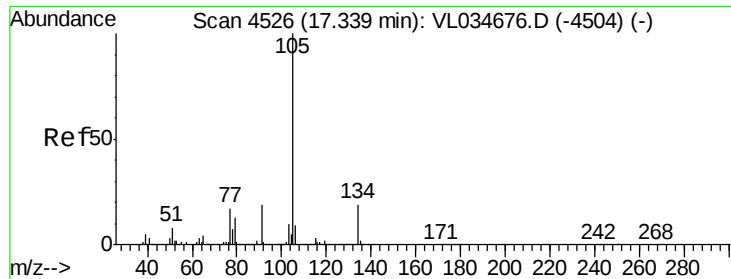
MMDadoda
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#66
Benzyl Chloride
Concen: 13.075 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.5	13.5	20.3
128	5.3	4.2	6.4





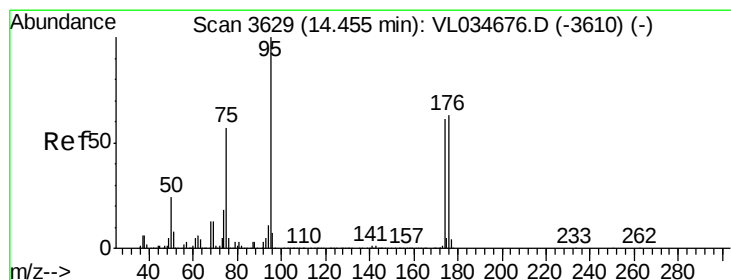
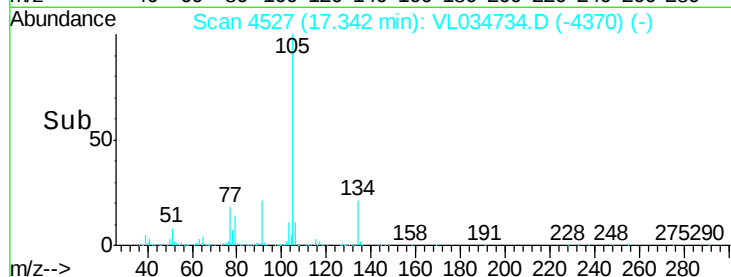
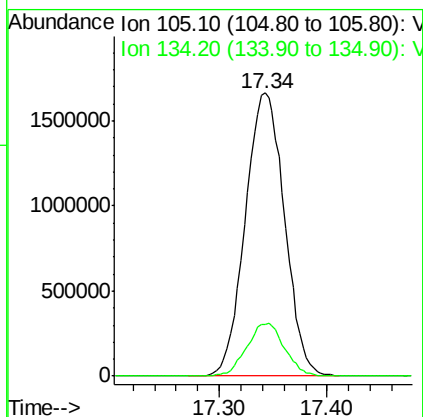
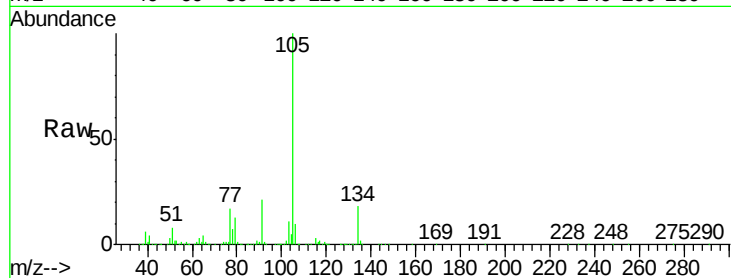
#67
 sec-Butylbenzene
 Concen: 10.005 ppbv
 RT: 17.34 min Scan# 4527
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion: 105 Resp: 4203888
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.8 22.2

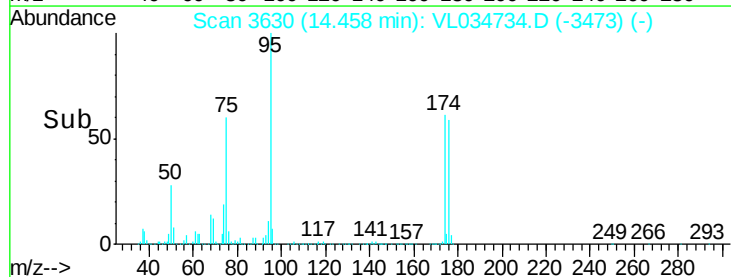
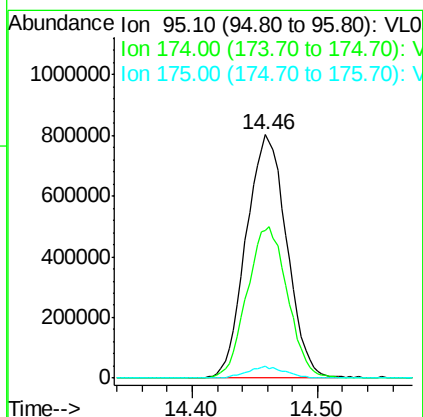
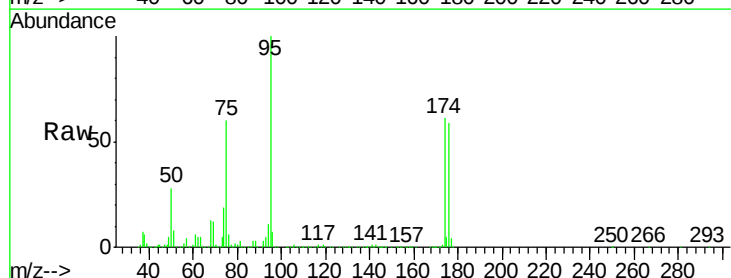
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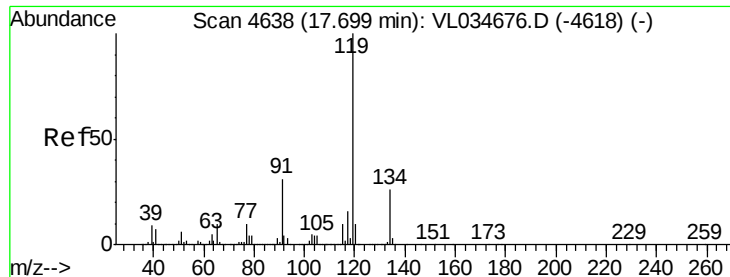
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.946 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion: 95 Resp: 1805392
 Ion Ratio Lower Upper
 95 100
 174 62.2 50.7 76.1
 175 4.5 3.9 5.9





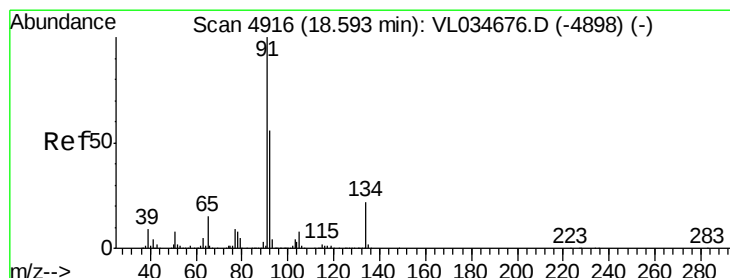
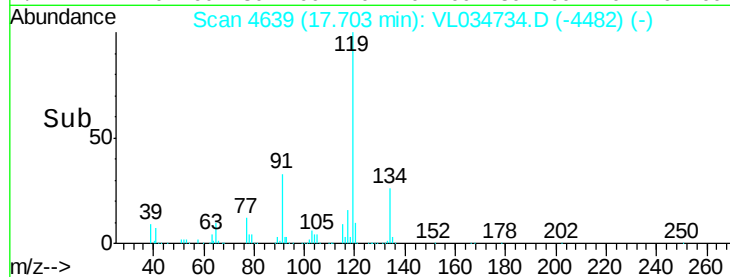
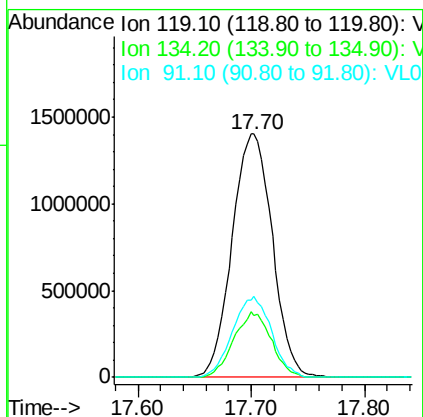
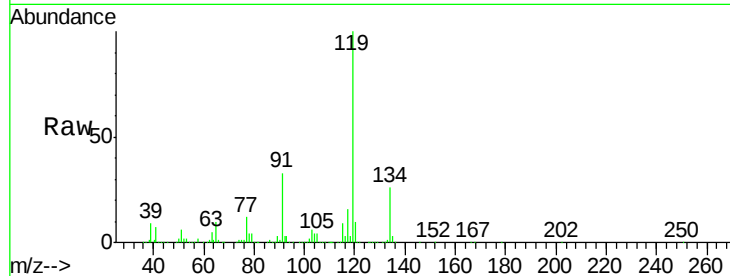
#69
 p-Isopropyltoluene
 Concen: 9.994 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	31.0
91	32.2	25.3	37.9

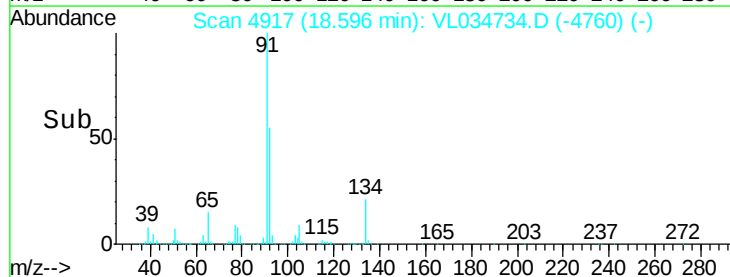
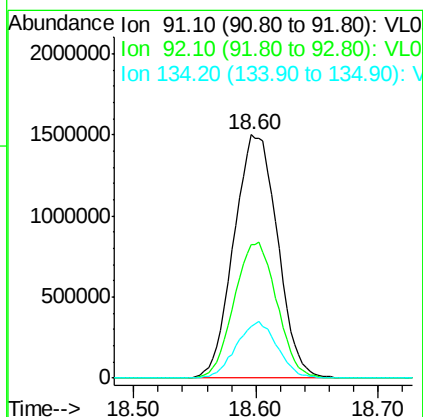
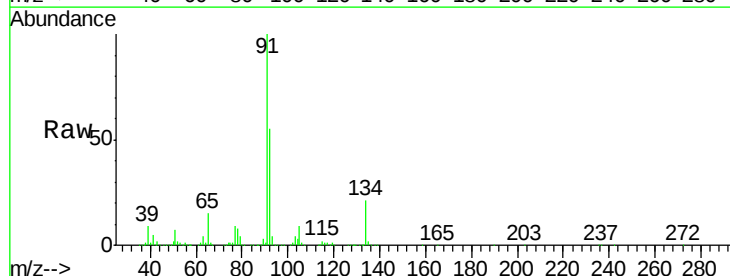
Manual Integrations
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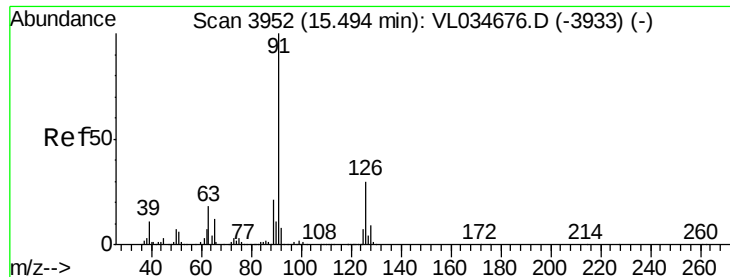
MMDadoda
 3/2/2020 1:01:11 PM



#70
 n-Butylbenzene
 Concen: 9.870 ppbv m
 RT: 18.60 min Scan# 4917
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.8	65.6
134	21.9	17.6	26.4





#71

2-Chlorotoluene

Concen: 10.285 ppbv

RT: 15.50 min Scan# 3954

Delta R.T. 0.01 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion: 91 Resp: 2693769

Ion Ratio Lower Upper

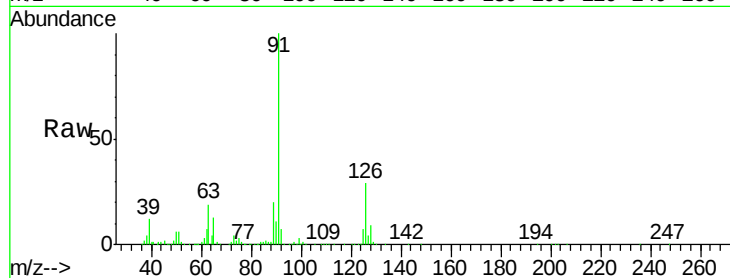
91 100

126 28.9 11.8 47.2

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

2000000

1500000

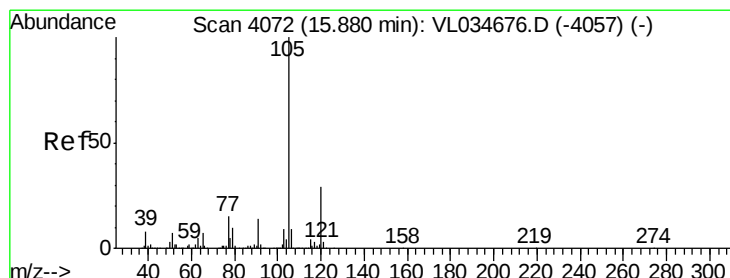
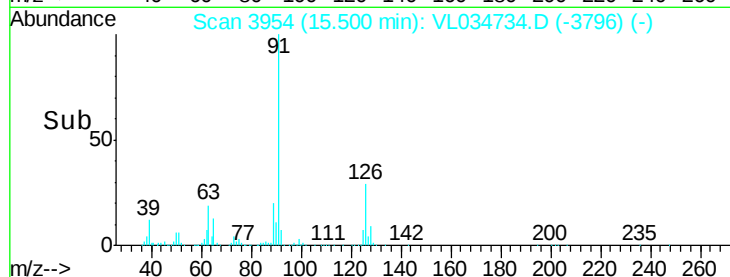
1000000

500000

0

15.40 15.50

Time-->



#72

4-Ethyltoluene

Concen: 10.836 ppbv

RT: 15.88 min Scan# 4073

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion:105 Resp: 2795907

Ion Ratio Lower Upper

105 100

120 30.1 23.7 35.5

91 14.8 10.9 16.3

77 15.3 12.2 18.2

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

1500000

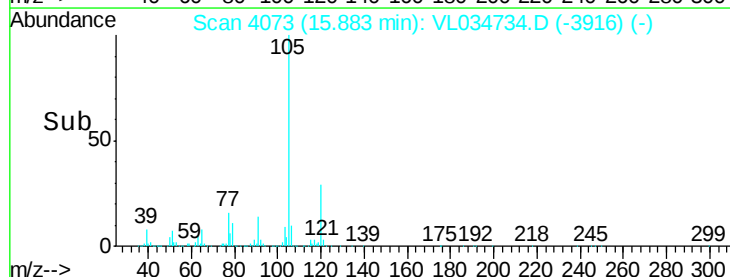
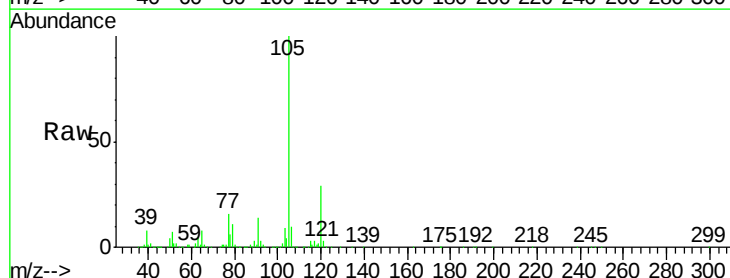
1000000

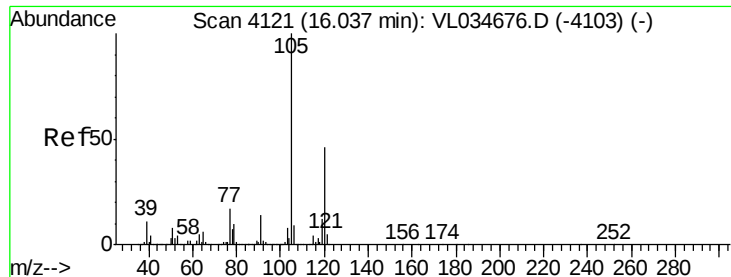
500000

0

15.80 15.85 15.90 15.95

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.558 ppbv

RT: 16.04 min Scan# 4122

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Instrument :

MSVOA_L

ClientSampleId :

VL0228ABS01

Tot Ion:105 Resp: 2620493

Ion Ratio Lower Upper

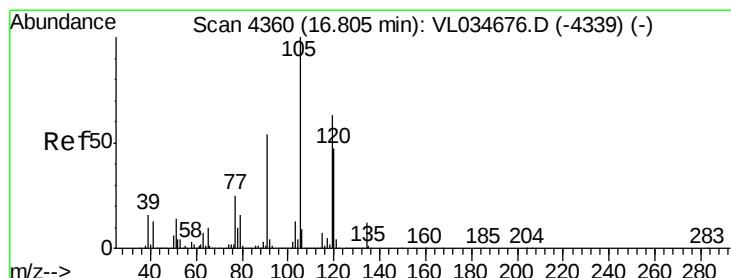
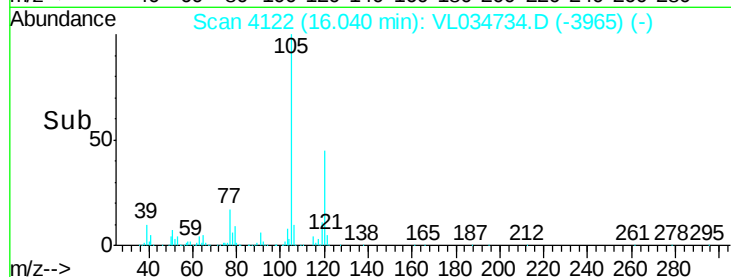
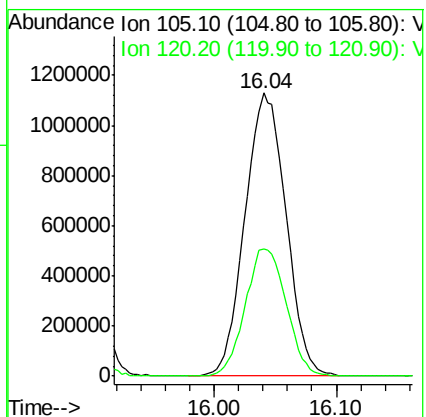
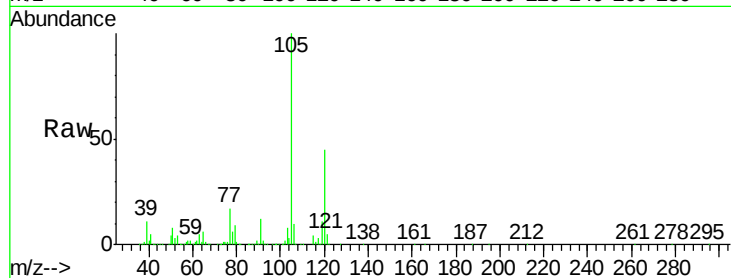
105 100

120 45.0 37.1 55.7

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#74

1,2,4-Trimethylbenzene

Concen: 9.985 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.00 min

Lab File: VL034734.D

Acq: 28 Feb 2020 11:26

Tgt Ion:105 Resp: 2736994

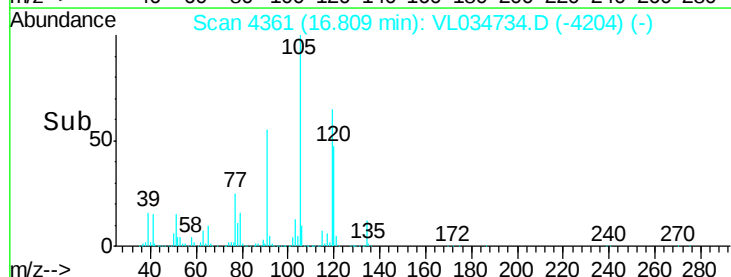
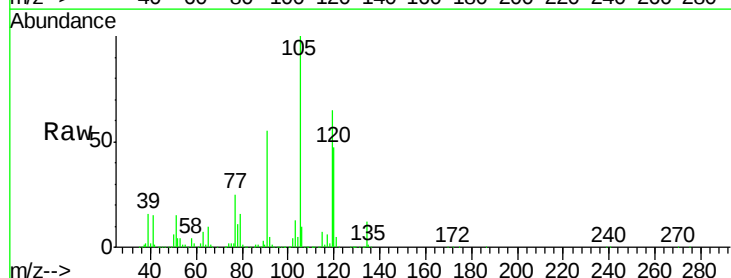
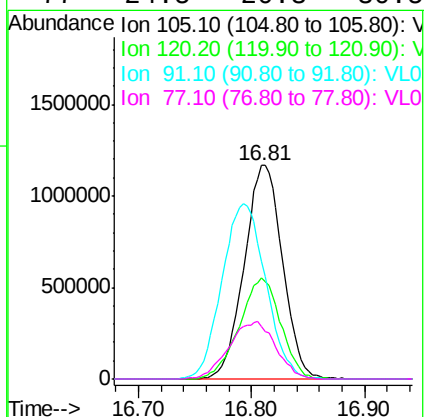
Ion Ratio Lower Upper

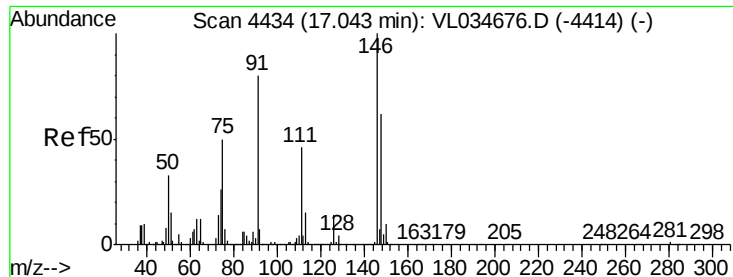
105 100

120 47.2 37.9 56.9

91 55.3 43.9 65.9

77 24.5 20.3 30.5





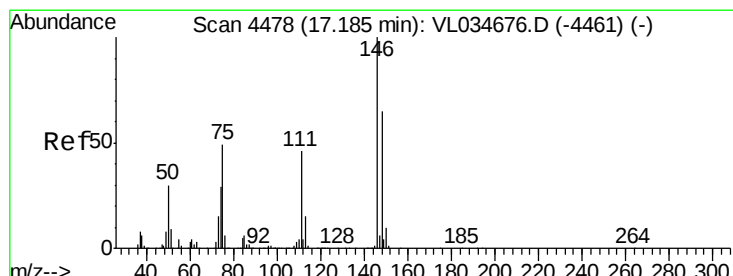
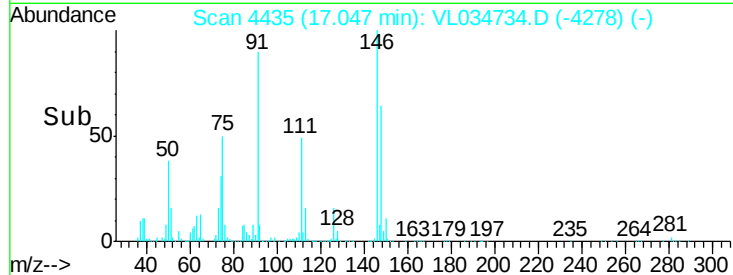
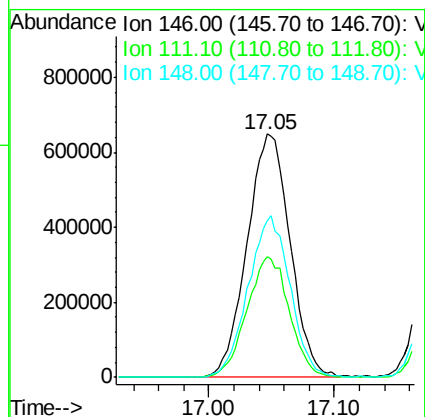
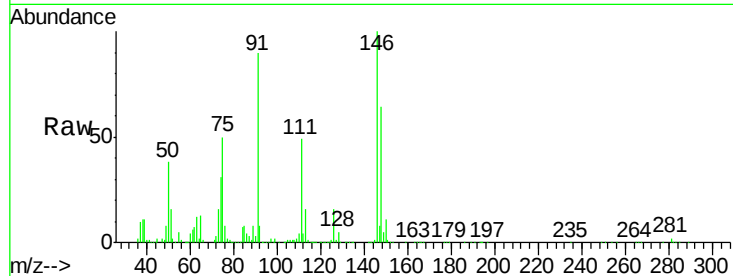
#75
 1,3-Dichlorobenzene
 Concen: 9.782 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion:146 Resp: 1547768
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.4 73.2
 148 64.8 32.5 97.4

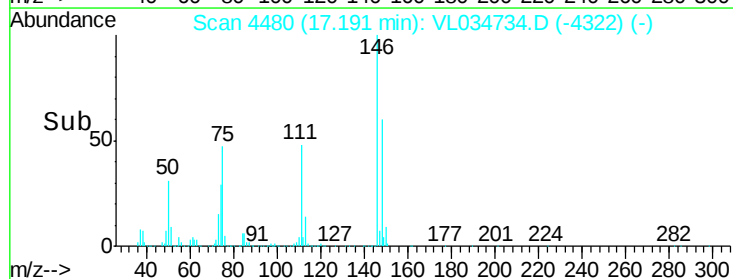
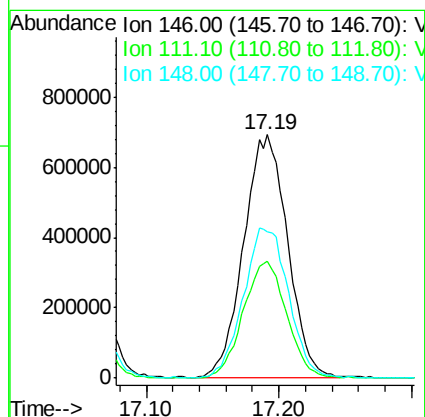
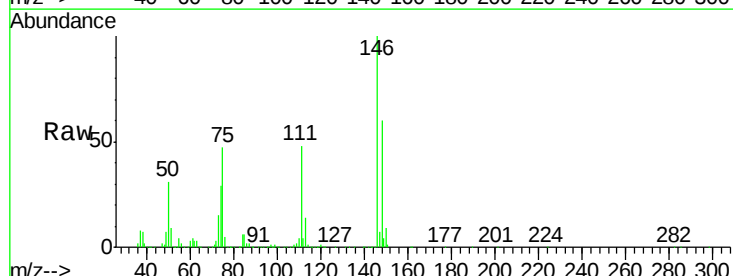
Manual Integrations
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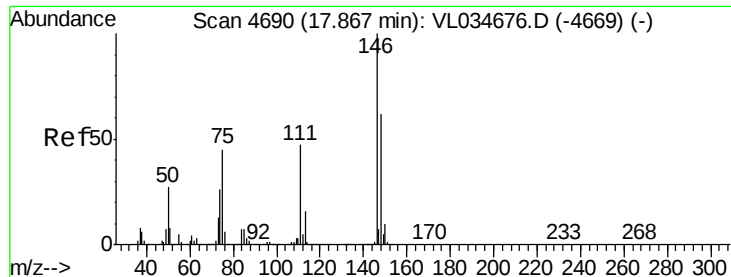
MMDadoda
 3/2/2020 1:01:11 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.015 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:146 Resp: 1585391
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.0
 148 63.9 31.9 95.5





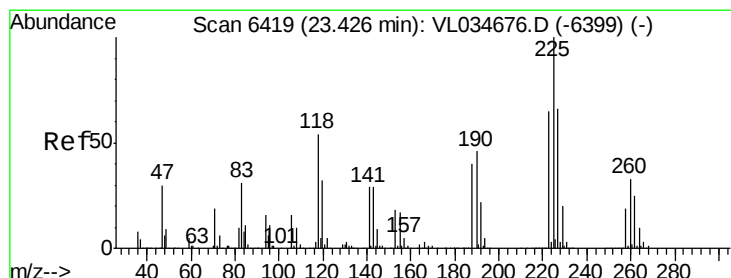
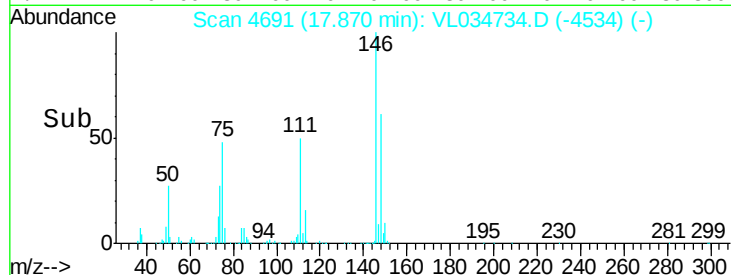
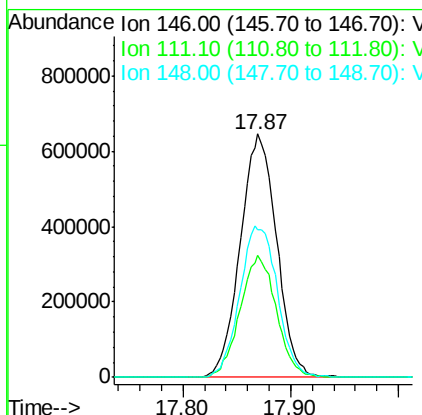
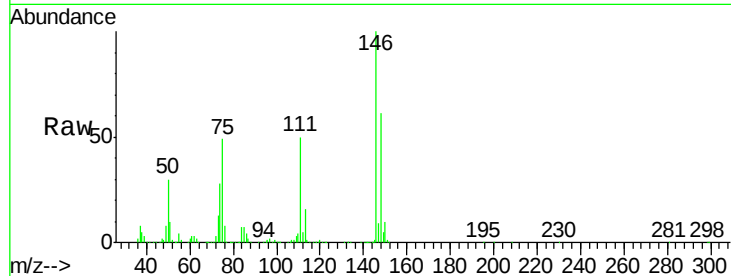
#77
 1,2-Dichlorobenzene
 Concen: 9.898 ppbv
 RT: 17.87 min Scan# 4691
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion:146 Resp: 1514077
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.9 74.7
 148 64.5 32.0 96.0

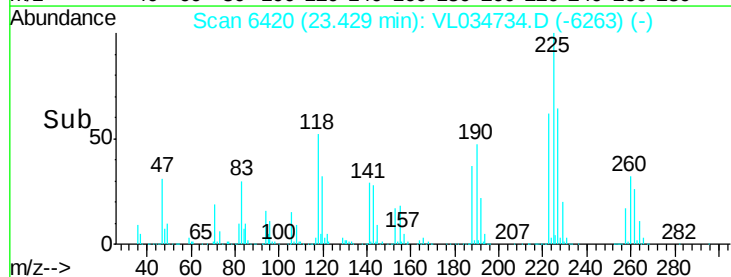
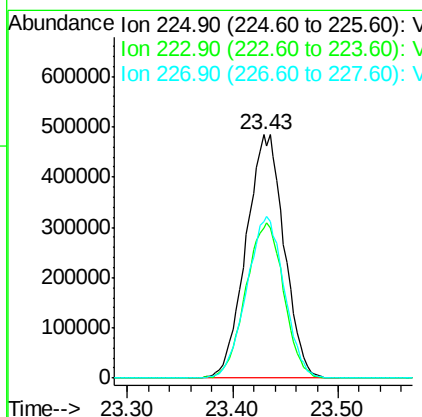
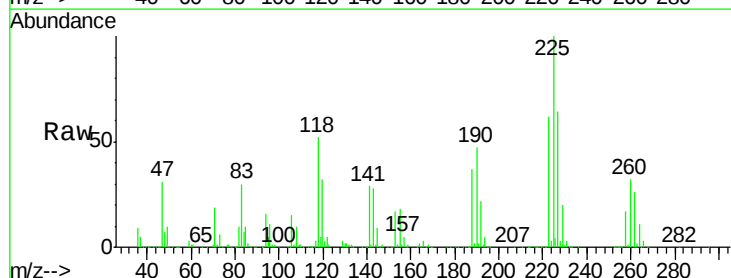
Manual Integrations
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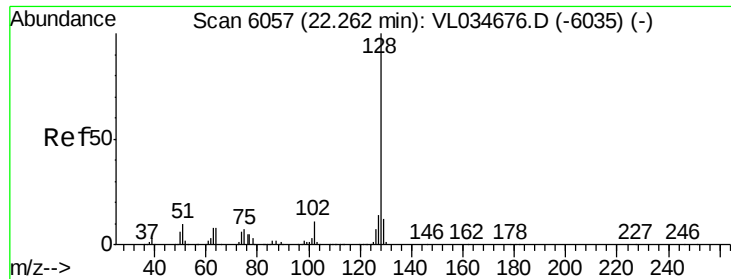
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.139 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Tgt Ion:225 Resp: 1217249
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.3 76.9
 227 65.5 51.3 76.9





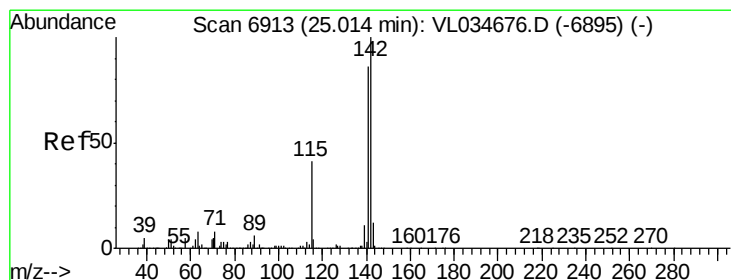
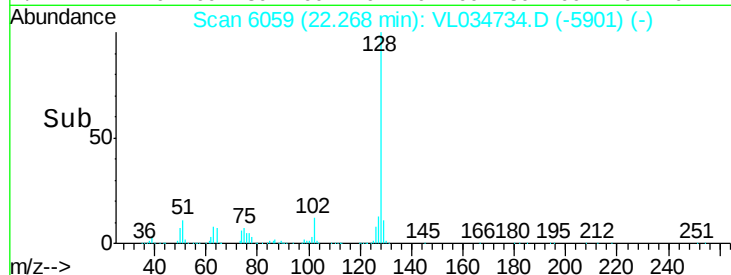
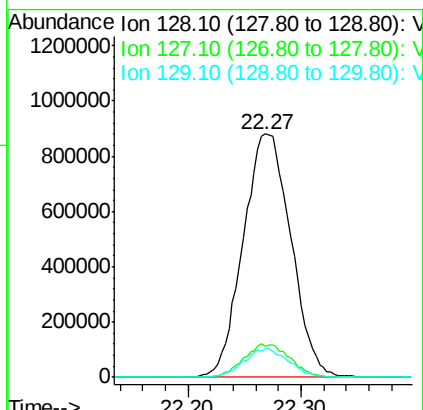
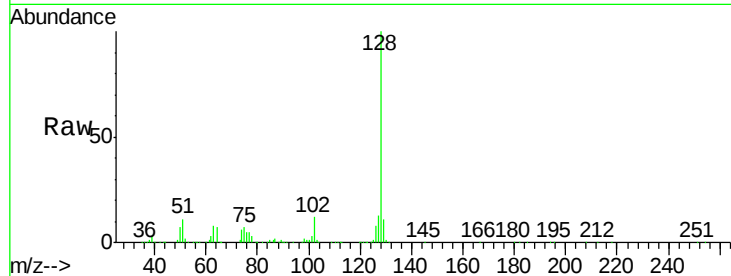
#79
Naphthalene
Concen: 10.717 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Instrument :
MSVOA_L
ClientSampleId :
VL0228ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.6
129	11.5	9.4	14.2

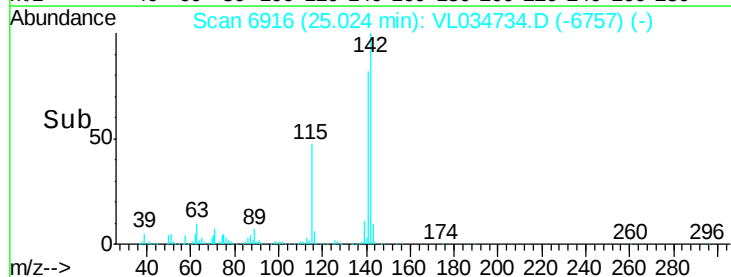
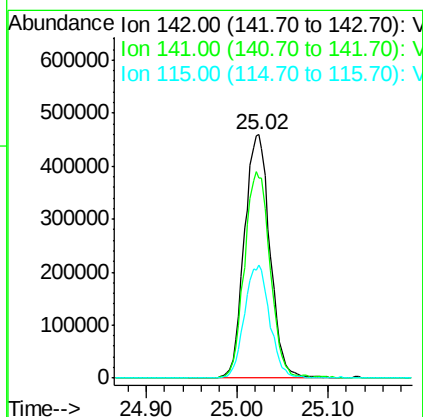
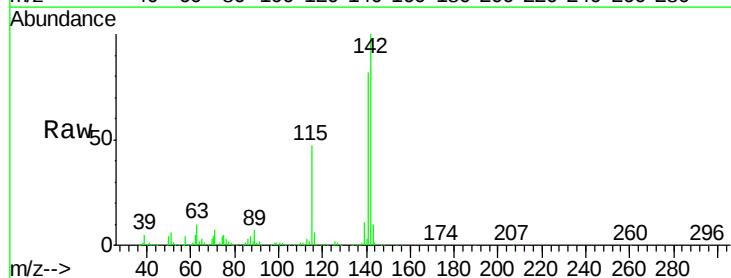
Manual Integrations
APPROVED

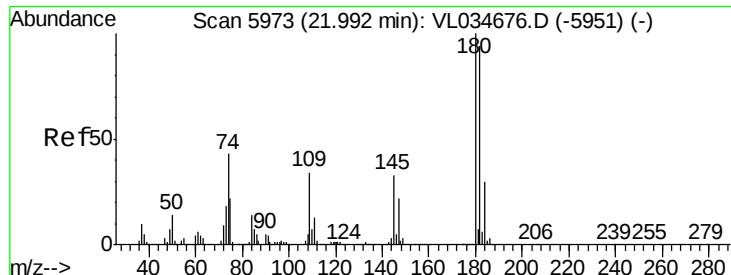
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#80
Naphthalene, 2-methyl-
Concen: 12.052 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL034734.D
Acq: 28 Feb 2020 11:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	66.5	99.7
115	46.2	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.634 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034734.D
 Acq: 28 Feb 2020 11:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0228ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.5	114.7
184	31.0	25.2	37.8

Manual Integrations
 APPROVED

MMDadoda
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