

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034839.D
 Acq On : 7 Mar 2020 10:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:21:51 AM

Quant Time: Mar 07 14:05:26 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	848589	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.18	114	1975365	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.11	117	2089189m	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.45	95	1571674	9.02	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	1339545	9.673	ppbv	98
3) Chlorodifluoromethane	2.95	51	868511	8.983	ppbv	98
4) Chloromethane	3.10	50	509840	9.791	ppbv	100
5) Vinyl Chloride	3.22	62	493430	8.970	ppbv	98
6) Bromomethane	3.44	94	290210	9.666	ppbv	99
7) Chloroethane	3.52	64	178671	9.393	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1093559	9.090	ppbv	91
9) Propene	2.97	41	416700	10.950	ppbv	97
10) Heptane	8.13	43	1063198	10.994	ppbv	99
11) Trichlorofluoromethane	3.92	101	1114742	8.996	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	796587	9.317	ppbv	91
13) Ethanol	3.57	45	95734	7.342	ppbv	98
14) Bromoethene	3.71	108	358492	10.218	ppbv	98
15) Acetone	3.82	43	997970	9.821	ppbv	100
16) 1,3-Butadiene	3.29	39	464869	10.111	ppbv	100
17) tert-Butyl alcohol	4.27	59	822492	10.265	ppbv	99
18) 1,1-Dichloroethene	4.26	96	369675	9.804	ppbv	97
19) Isopropyl Alcohol	3.94	45	535393	8.793	ppbv	# 1
20) Methylene Chloride	4.32	84	313771	8.652	ppbv	94
21) Allyl Chloride	4.39	41	683635	10.623	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	374201	10.166	ppbv	98
23) Vinyl Acetate	5.06	43	1577159	11.574	ppbv	98
24) 1,1-Dichloroethane	5.00	63	997091	9.428	ppbv	99
25) Ethyl Acetate	5.66	43	1786828	10.175	ppbv	99
26) Hexane	5.67	57	792228	10.327	ppbv	98
27) Carbon Disulfide	4.53	76	977204	10.904	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1347606	11.802	ppbv	100
29) Chloroform	5.74	83	1157315	8.962	ppbv	100
30) Cyclohexane	7.13	84	674111	11.486	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	817240	10.386	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1195289	9.367	ppbv	97
34) 2-Butanone	5.23	43	1202973	9.361	ppbv	100
35) Carbon Tetrachloride	7.02	117	1218165	8.173	ppbv	97
36) Benzene	6.89	78	1621398	9.606	ppbv	99
37) 1,2-Dichloroethane	6.30	62	908071	7.876	ppbv	98
38) Trichloroethene	7.84	130	622655	9.465	ppbv	92
39) 1,2-Dichloropropane	7.62	63	635740	9.333	ppbv	97
40) 1,4-Dioxane	7.84	88	201279	8.543	ppbv	# 94
41) Tetrahydrofuran	6.04	42	682355	10.406	ppbv	97
42) Bromodichloromethane	7.80	83	1274946	8.740	ppbv	100
43) Methyl Methacrylate	8.02	69	715880	10.008	ppbv	97

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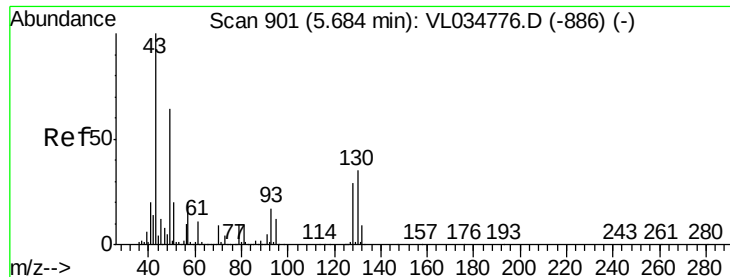
Manual Integrations
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	2724810	9.237	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	896540	11.939	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1026027	11.190	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	651675	9.061	ppbv	98
48) Dibromochloromethane	10.32	129	1117749	9.939	ppbv	99
49) Bromoform	13.07	173	989090m	10.079	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	1754516	9.528	ppbv	99
51) 2-Hexanone	10.15	43	1438177	9.956	ppbv #	99
52) Tetrachloroethene	11.25	164	593480	9.517	ppbv	97
53) Toluene	9.82	91	1887525	10.566	ppbv	100
54) 1,2-Dibromoethane	10.63	107	987522	9.286	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	829798	8.964	ppbv #	61
57) Chlorobenzene	12.17	112	1378101	8.635	ppbv	99
58) Ethyl Benzene	12.73	91	2466092	9.578	ppbv	98
59) m/p-Xylene	13.02	91	3956103m	17.751	ppbv	
60) o-Xylene	13.72	91	1945877	8.629	ppbv	98
61) Styrene	13.55	104	1488193	10.639	ppbv	96
62) Isopropylbenzene	14.70	105	2958786	8.915	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	1304053	7.336	ppbv	99
64) n-propylbenzene	15.60	120	774480	9.307	ppbv	92
65) tert-Butylbenzene	16.78	119	2558028	9.121	ppbv	95
66) Benzyl Chloride	17.02	91	1356140	14.956	ppbv	95
67) sec-Butylbenzene	17.33	105	3607438	8.827	ppbv	100
69) p-Isopropyltoluene	17.69	119	3068342	9.277	ppbv	97
70) n-Butylbenzene	18.59	91	3123346	8.636	ppbv	99
71) 2-Chlorotoluene	15.49	91	2222909	8.868	ppbv	97
72) 4-Ethyltoluene	15.87	105	2363988	9.416	ppbv	98
73) 1,3,5-Trimethylbenzene	16.03	105	2210864	9.180	ppbv	94
74) 1,2,4-Trimethylbenzene	16.80	105	2270990	8.675	ppbv #	91
75) 1,3-Dichlorobenzene	17.04	146	1335639	8.618	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	1354350	9.133	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1330071	8.971	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1211041	9.788	ppbv	99
79) Naphthalene	22.26	128	2376712	12.080	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	844086	17.963	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1371449m	11.027	ppbv	

(#) = 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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ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 848589

Ion Ratio Lower Upper

49 100

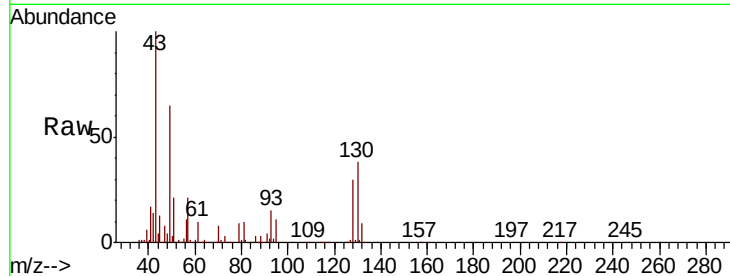
128 46.3 21.6 64.6

130 60.0 27.4 82.2

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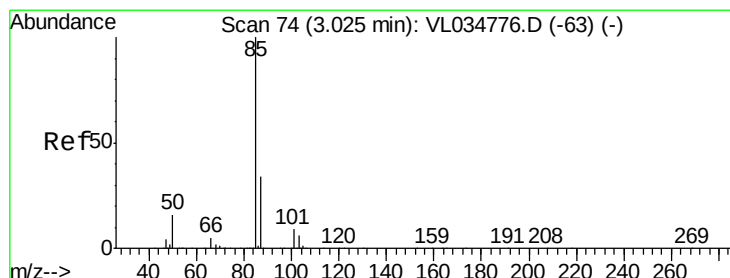
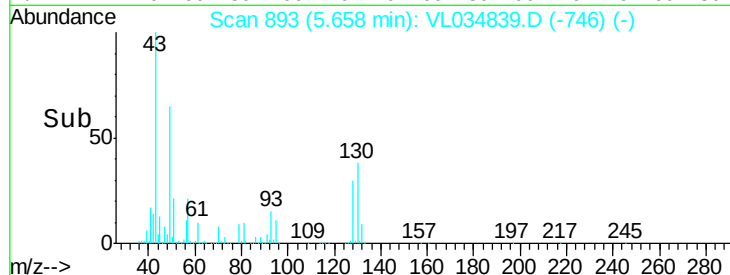
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 9.673 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.02 min

Lab File: VL034839.D

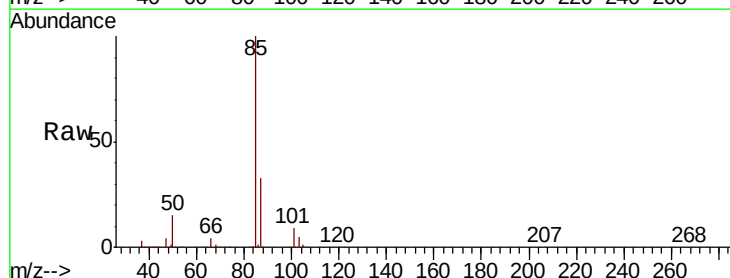
Acq: 7 Mar 2020 10:24

Tgt Ion: 85 Resp: 1339545

Ion Ratio Lower Upper

85 100

87 32.7 27.2 40.8

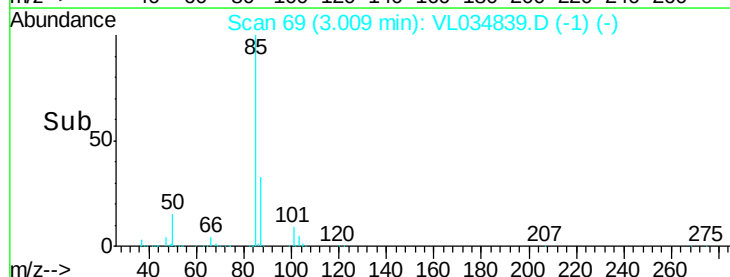


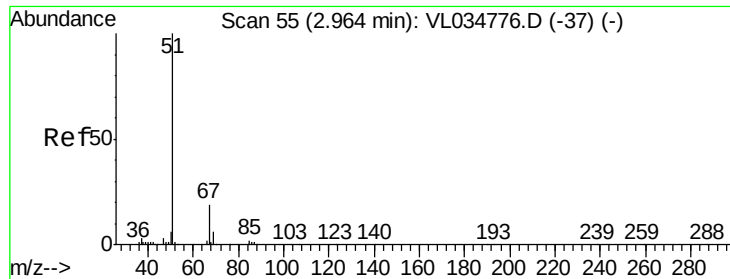
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->





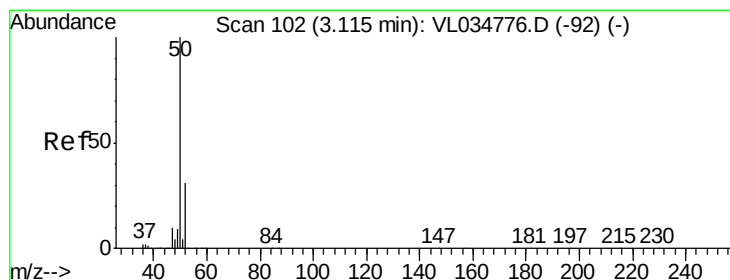
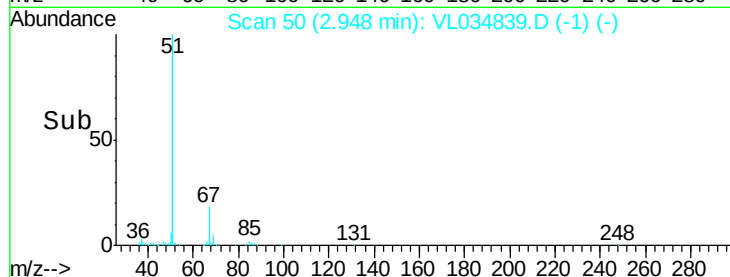
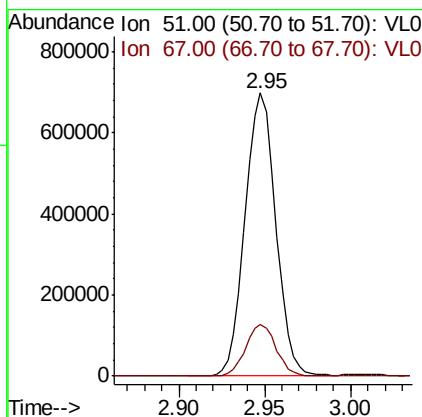
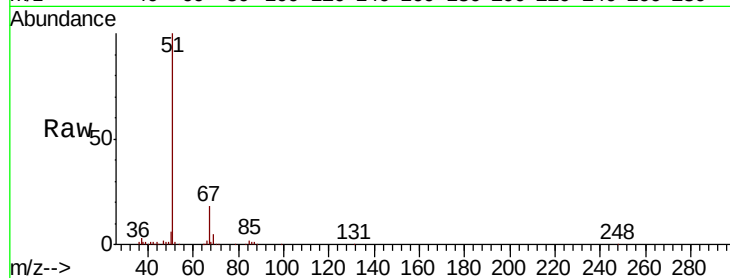
#3
Chlorodifluoromethane
Concen: 8.983 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
51	100		
67	18.3	15.3	22.9

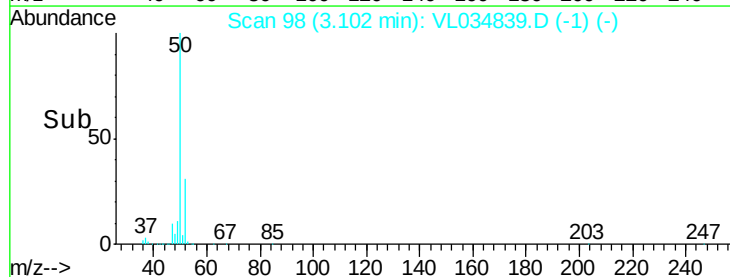
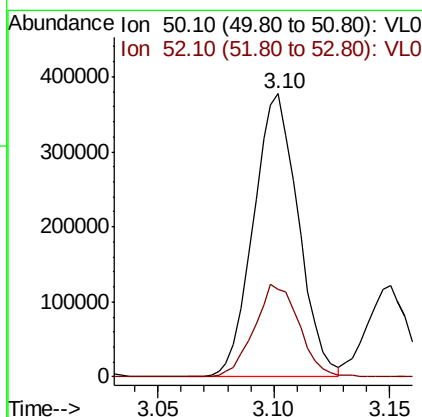
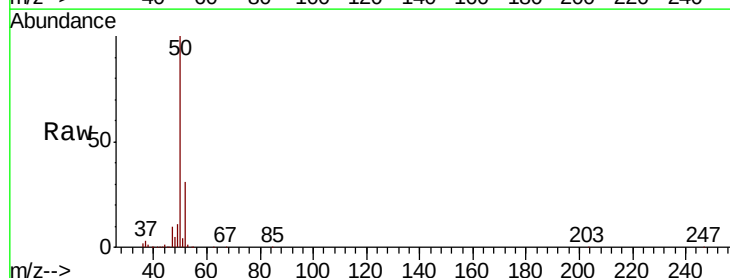
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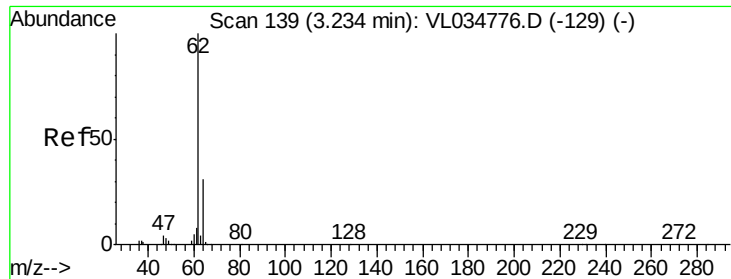
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#4
Chloromethane
Concen: 9.791 ppbv
RT: 3.10 min Scan# 98
Delta R.T. -0.01 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
50	100		
52	31.1	25.0	37.4





#5

Vinyl Chloride

Concen: 8.970 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 493430

Ion Ratio Lower Upper

62 100

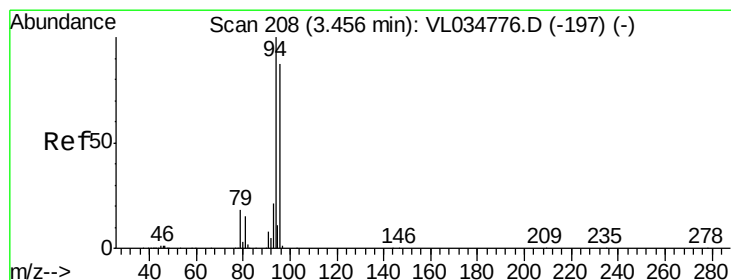
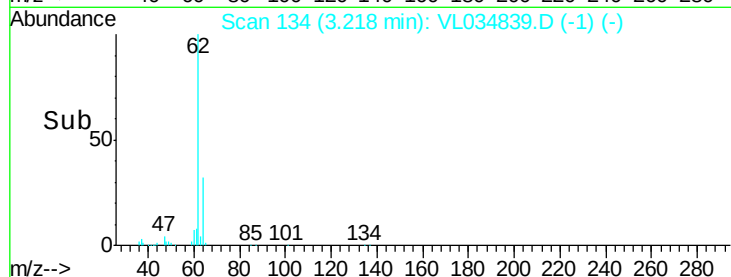
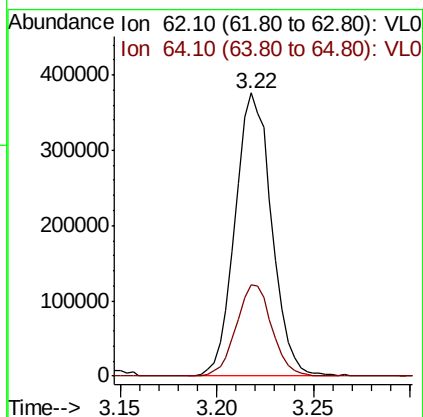
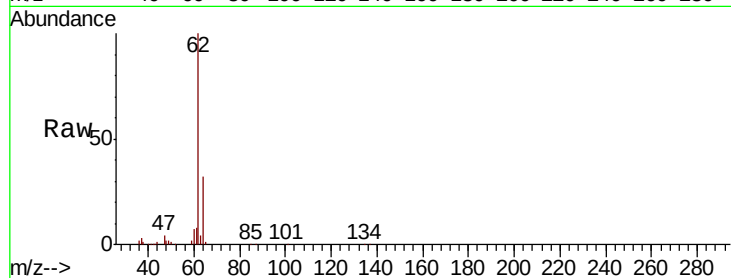
64 32.3 25.1 37.7

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#6

Bromomethane

Concen: 9.666 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.02 min

Lab File: VL034839.D

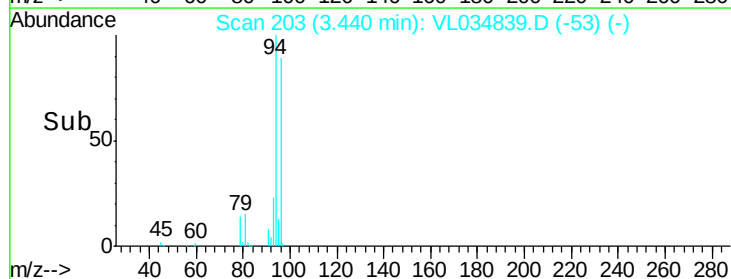
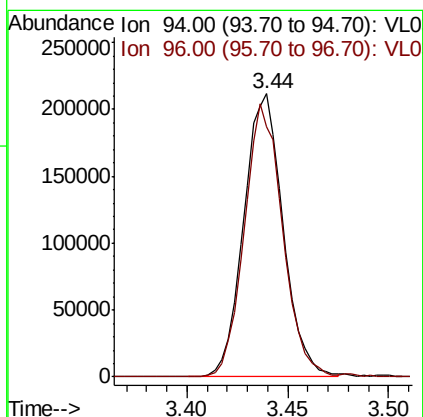
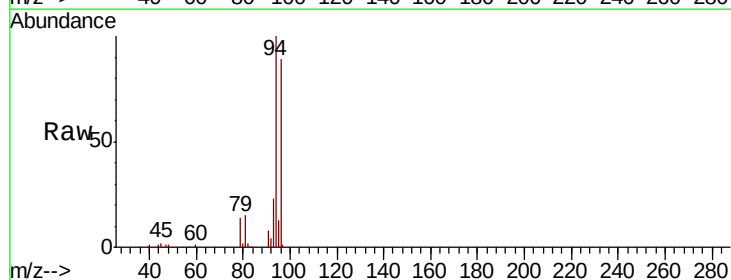
Acq: 7 Mar 2020 10:24

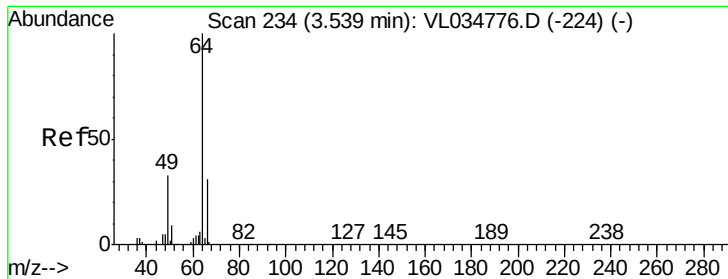
Tgt Ion: 94 Resp: 290210

Ion Ratio Lower Upper

94 100

96 88.5 70.0 105.0





#7

Chloroethane

Concen: 9.393 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 178671

Ion Ratio Lower Upper

64 100

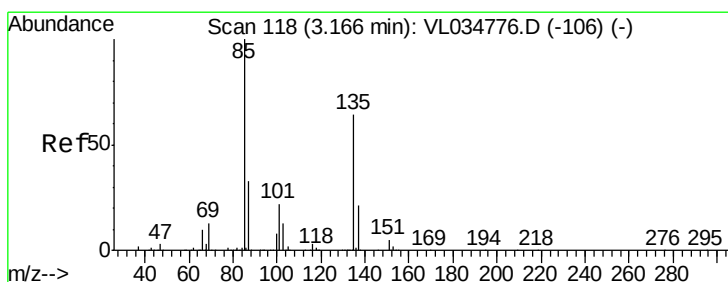
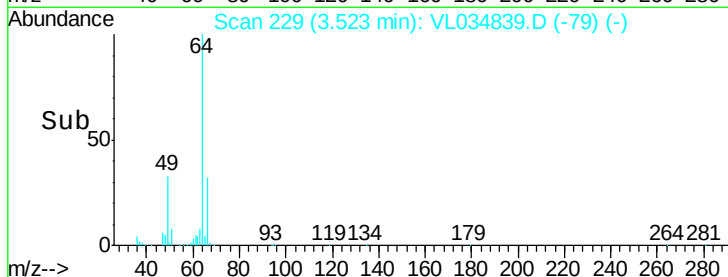
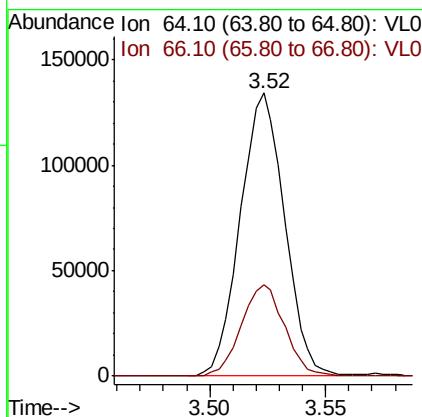
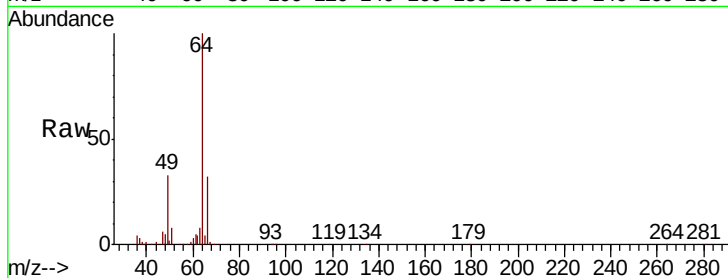
66 32.1 24.8 37.2

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#8

Dichlorotetrafluoroethane

Concen: 9.090 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.02 min

Lab File: VL034839.D

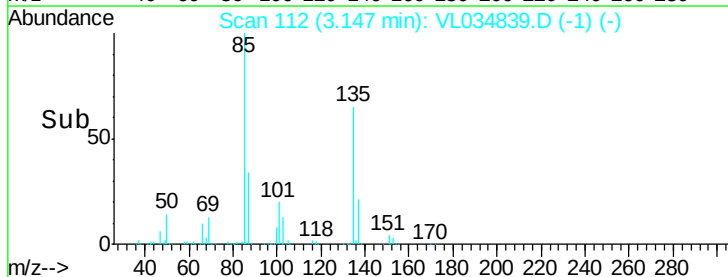
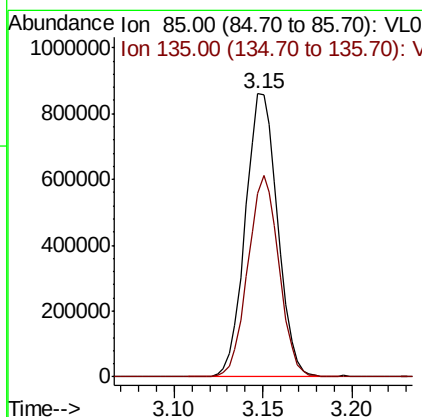
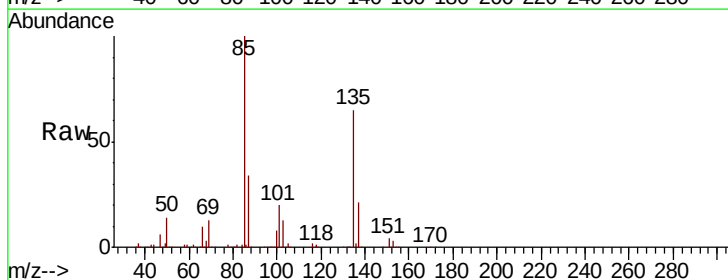
Acq: 7 Mar 2020 10:24

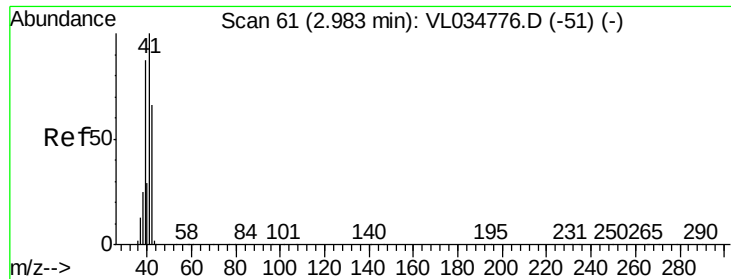
Tgt Ion: 85 Resp: 1093559

Ion Ratio Lower Upper

85 100

135 68.6 49.4 74.2





#9

Propene

Concen: 10.950 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 416700

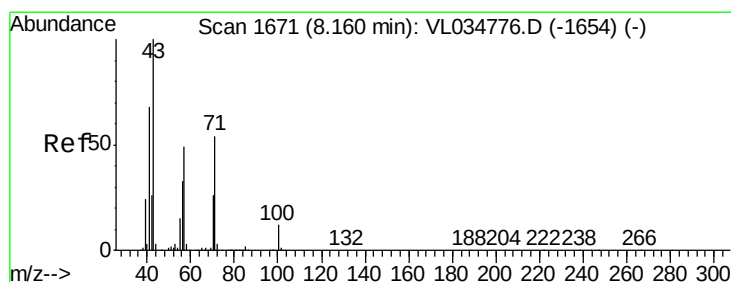
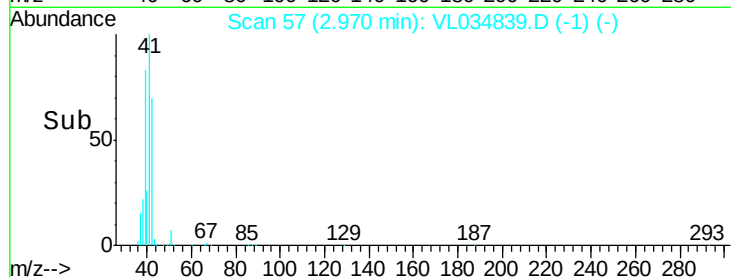
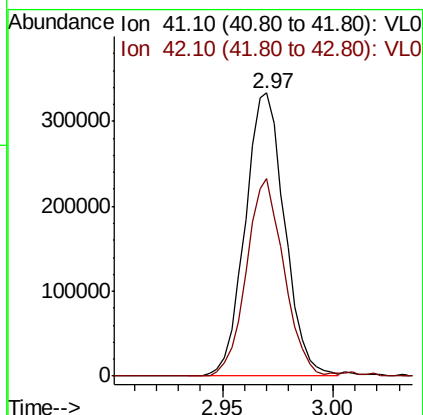
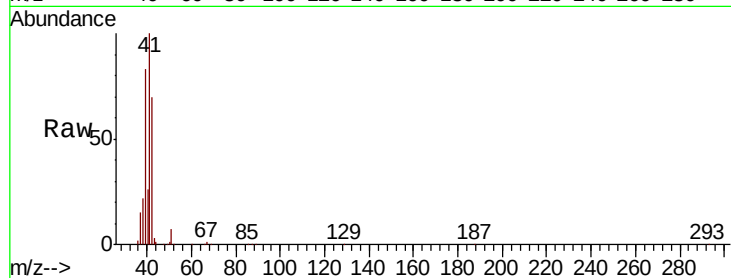
Ion Ratio Lower Upper

41 100

42 67.2 55.6 83.4

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#10

Heptane

Concen: 10.994 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.03 min

Lab File: VL034839.D

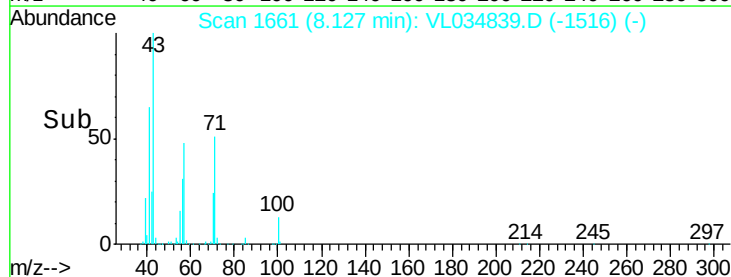
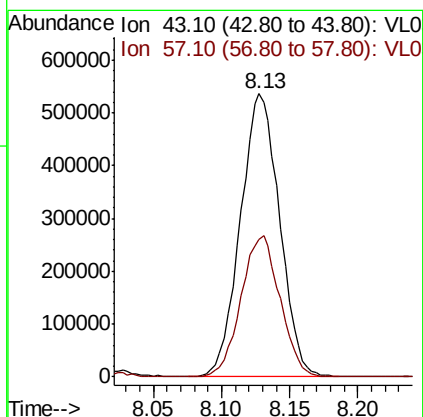
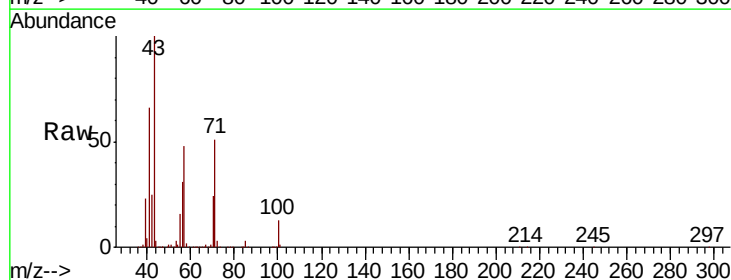
Acq: 7 Mar 2020 10:24

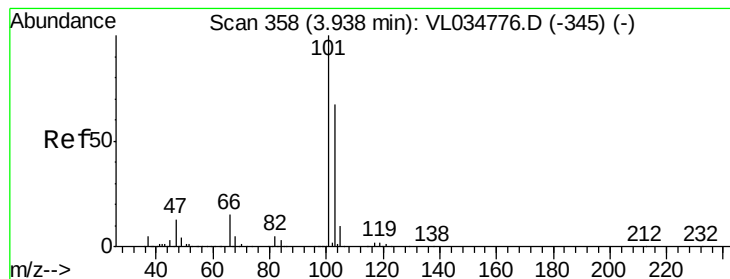
Tgt Ion: 43 Resp: 1063198

Ion Ratio Lower Upper

43 100

57 50.0 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.996 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

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Tot Ion:101 Resp: 1114742

Ion Ratio Lower Upper

101 100

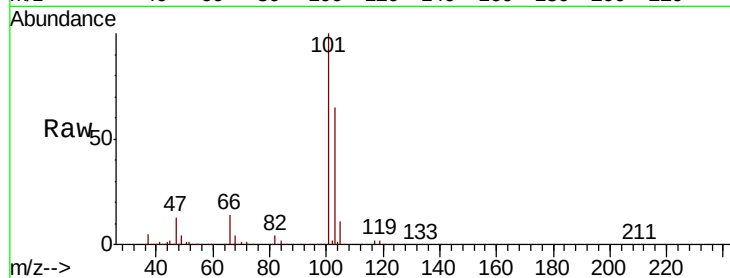
103 64.9 53.6 80.4

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

800000

600000

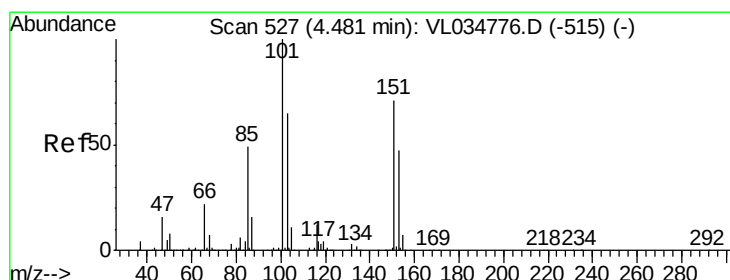
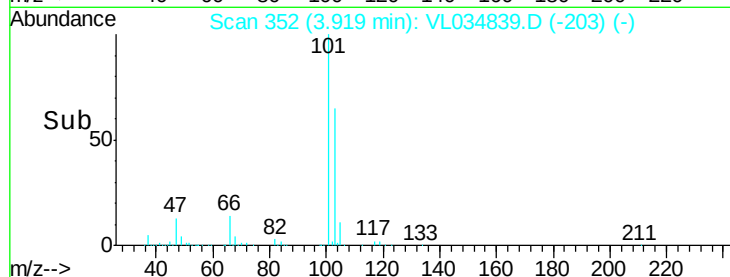
400000

200000

0

3.85 3.90 3.95

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.317 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL034839.D

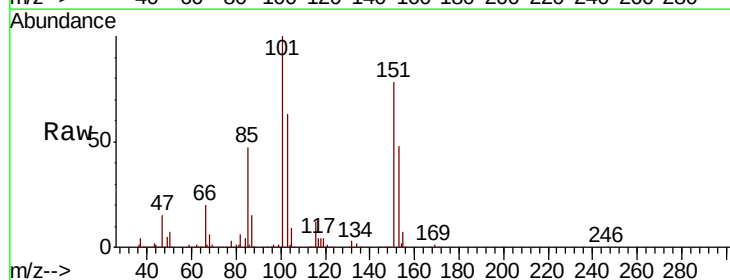
Acq: 7 Mar 2020 10:24

Tgt Ion:101 Resp: 796587

Ion Ratio Lower Upper

101 100

151 78.3 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

500000

400000

300000

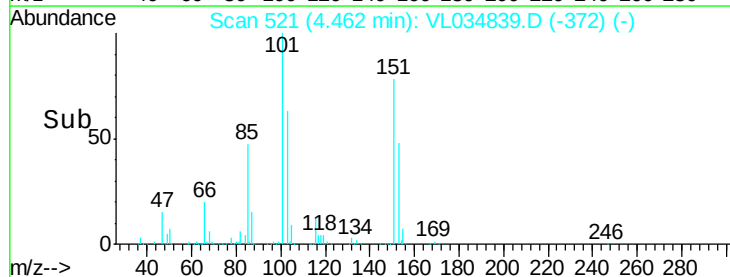
200000

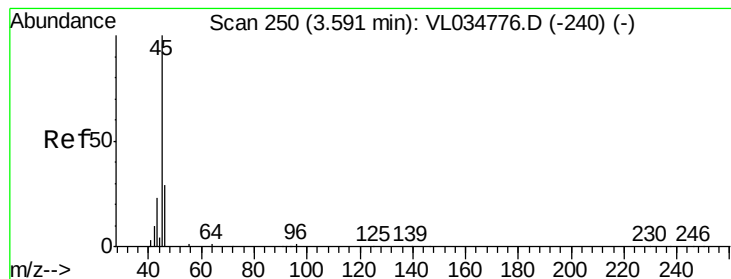
100000

0

4.40 4.45 4.50

Time-->





#13

Ethanol

Concen: 7.342 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 95734

Ion Ratio Lower Upper

45 100

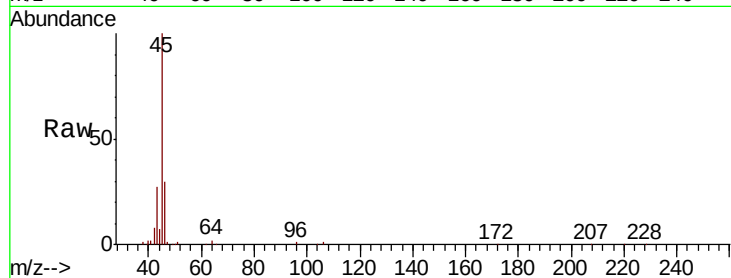
46 38.1 14.7 58.9

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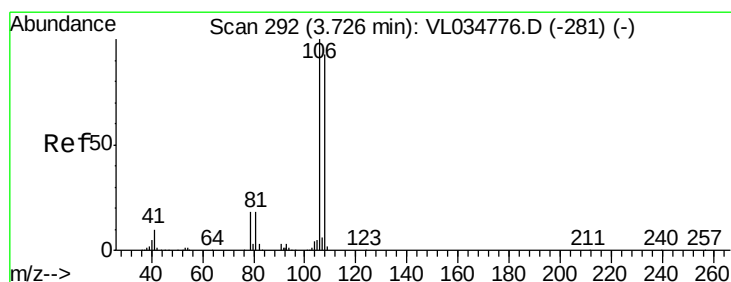
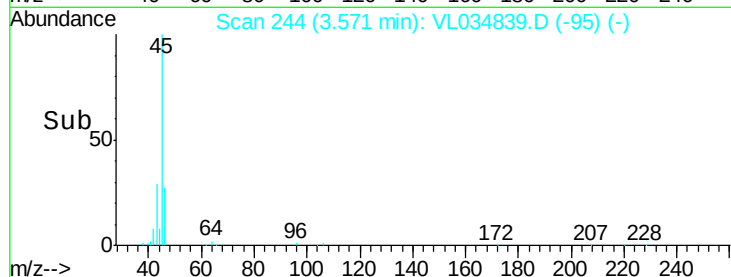
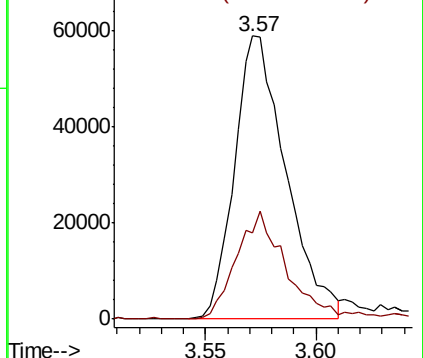
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.218 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

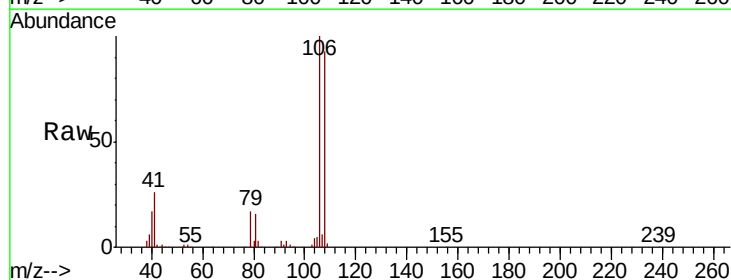
Tgt Ion: 108 Resp: 358492

Ion Ratio Lower Upper

108 100

106 106.5 83.5 125.3

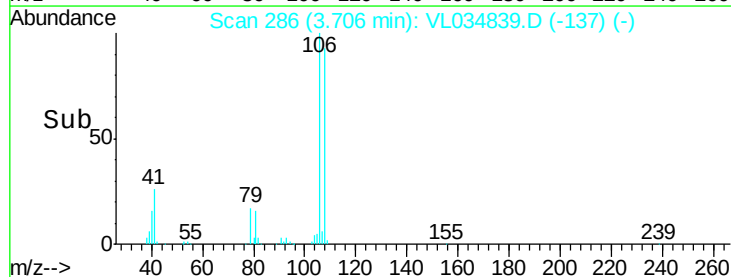
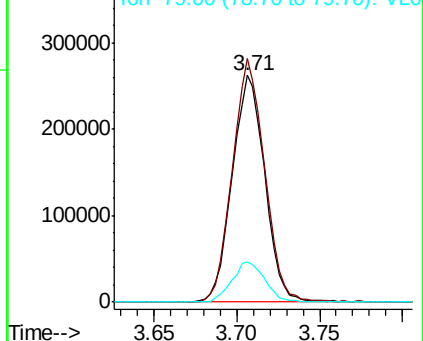
79 18.3 15.6 23.4

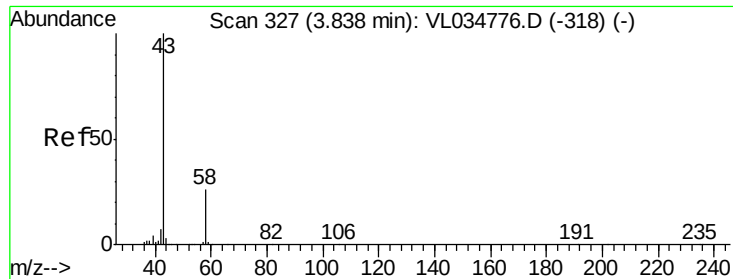


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





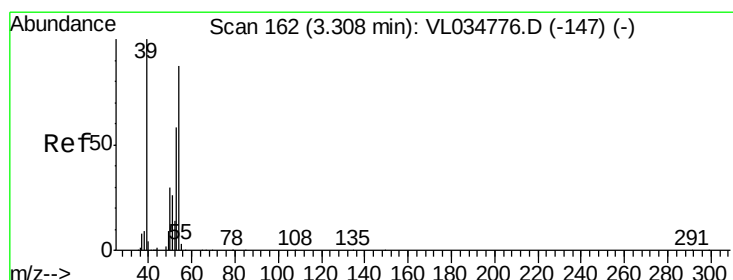
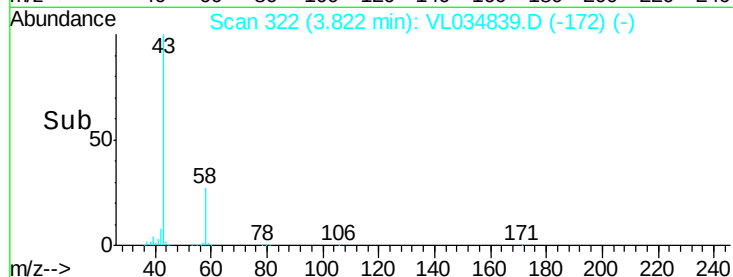
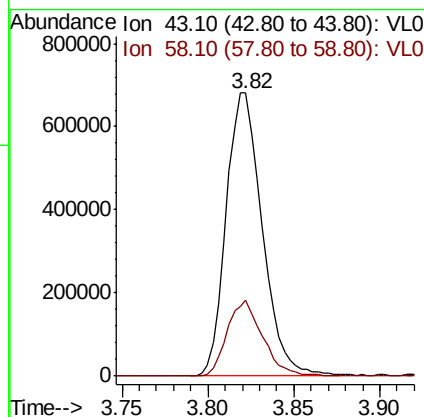
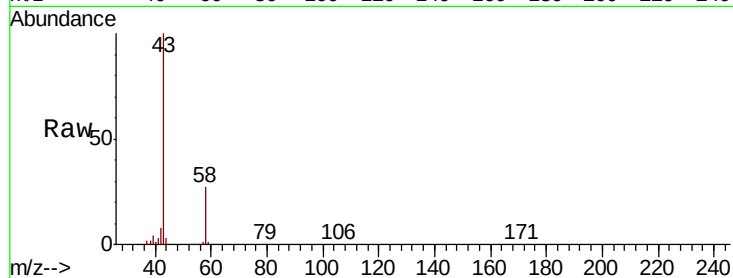
#15
Acetone
Concen: 9.821 ppbv
RT: 3.82 min Scan# 322
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	997970
Ion Ratio	Lower	Upper	
43	100		
58	26.3	21.0	31.6

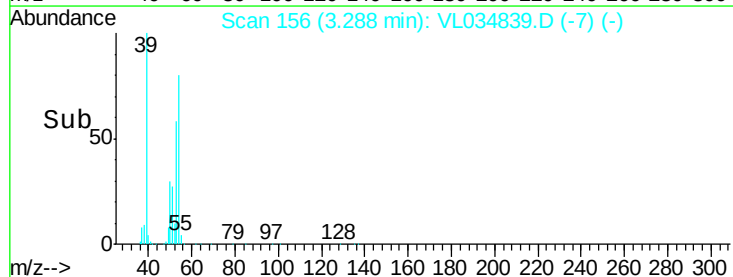
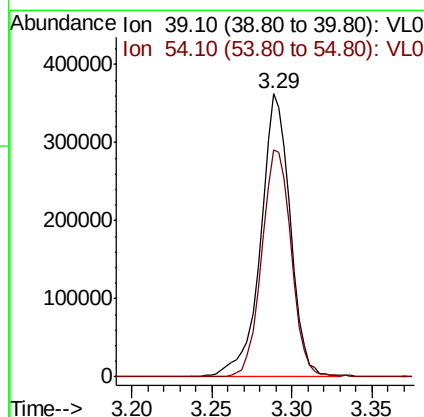
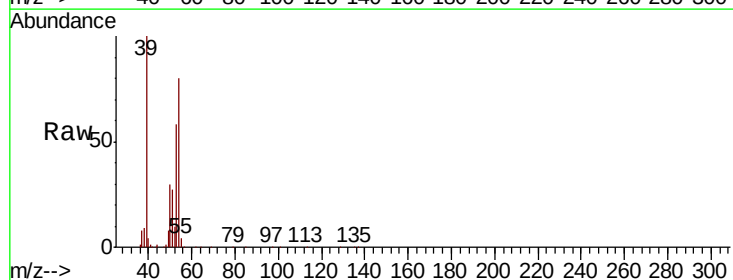
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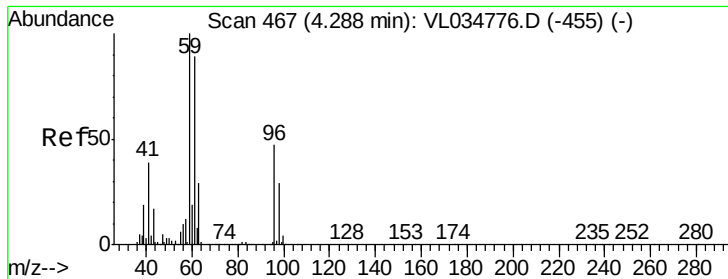
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#16
1,3-Butadiene
Concen: 10.111 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	39	Resp	464869
Ion Ratio	Lower	Upper	
39	100		
54	80.4	64.2	96.2





#17

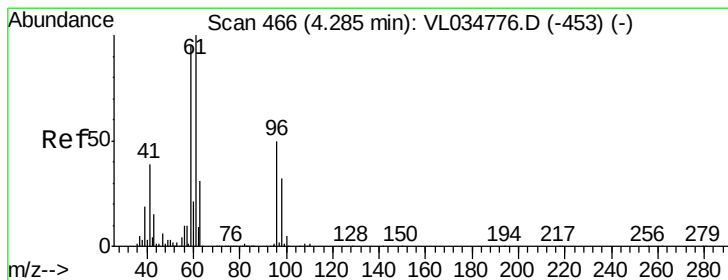
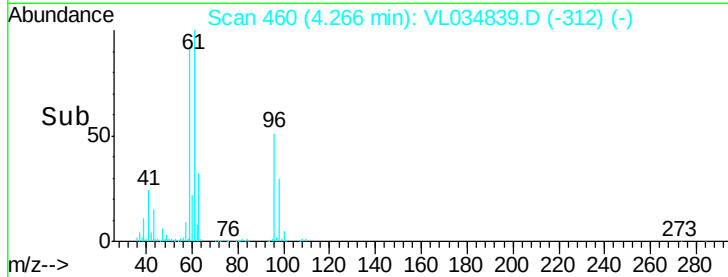
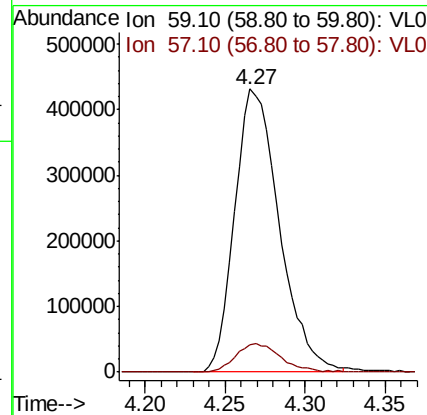
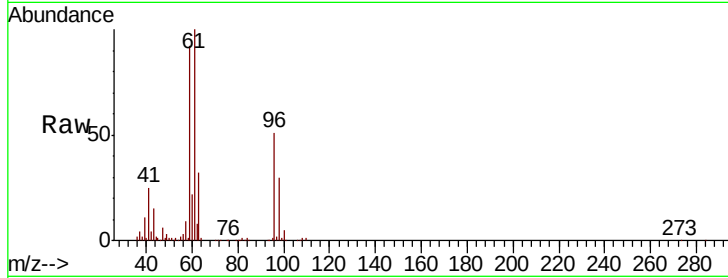
tert-Butyl alcohol
Concen: 10.265 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	822492
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	13.0

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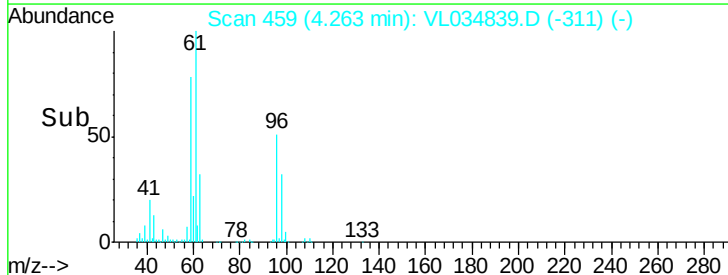
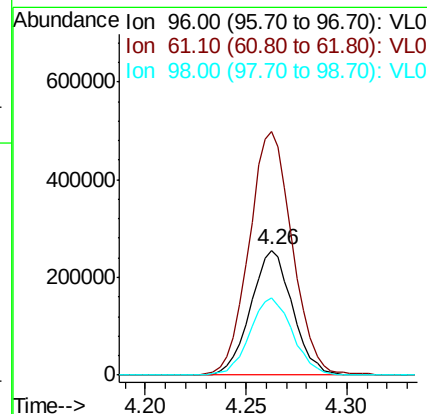
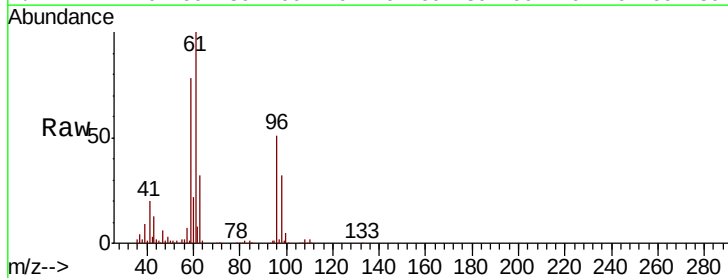
MMDadoda
3/9/2020 9:21:51 AM

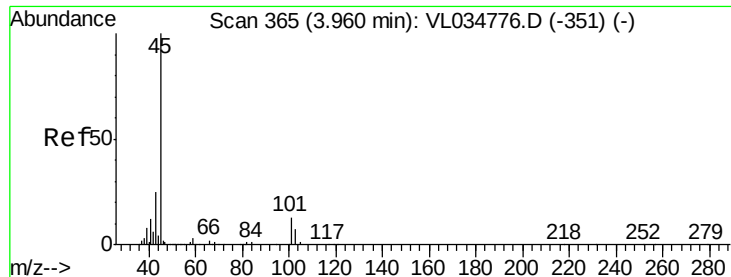


#18

1,1-Dichloroethene
Concen: 9.804 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	96	Resp	369675
Ion	Ratio	Lower	Upper
96	100		
61	194.9	159.5	239.3
98	62.3	51.1	76.7





#19

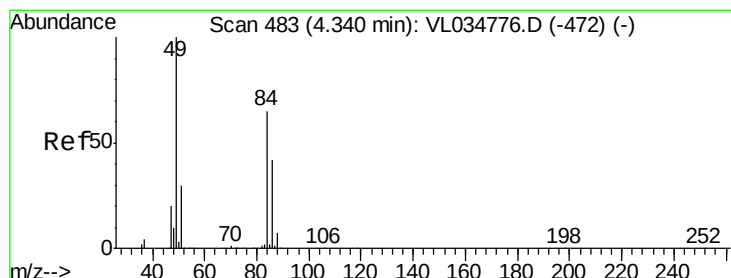
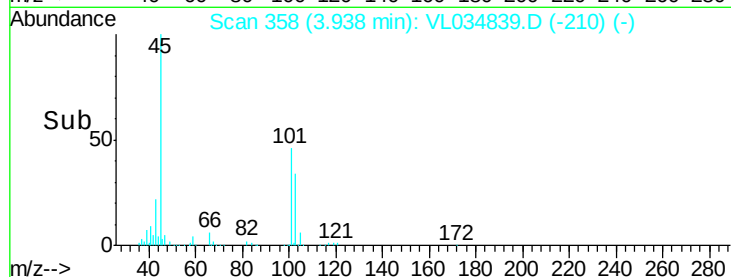
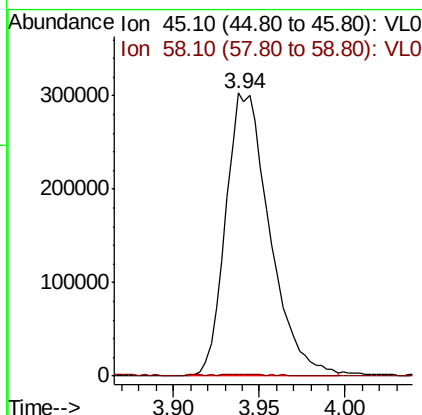
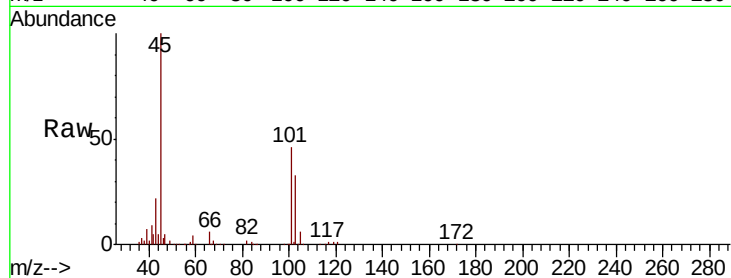
Isopropyl Alcohol
 Concen: 8.793 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
58	49.3	1.8	2.8#

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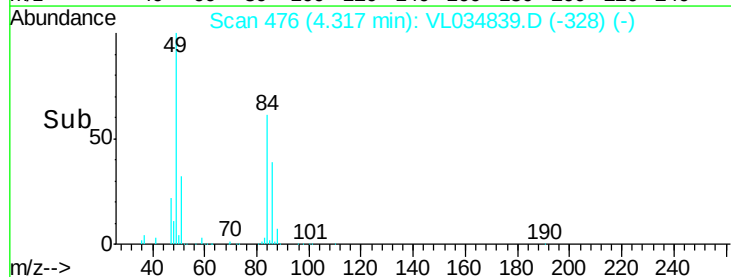
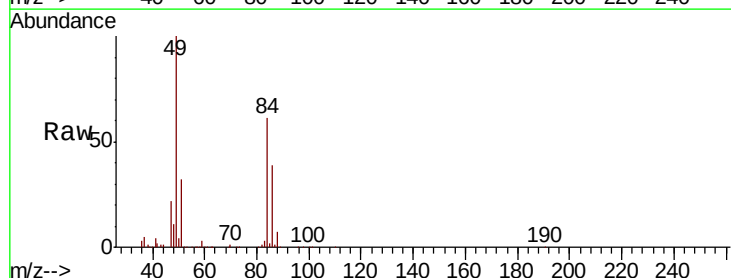
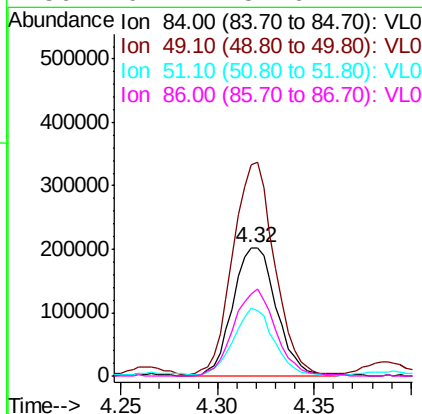
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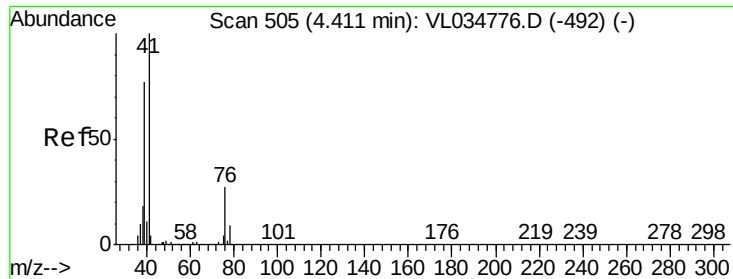


#20

Methylene Chloride
 Concen: 8.652 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.6	123.2	184.8
51	52.6	37.4	56.2
86	64.2	51.6	77.4





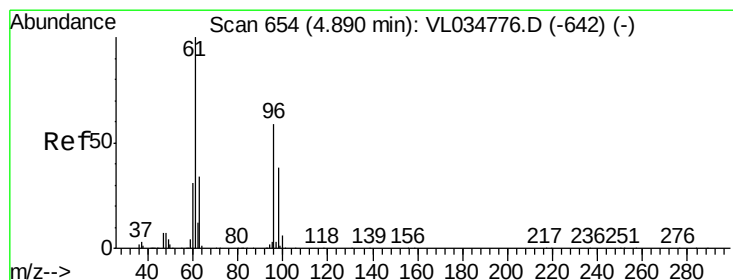
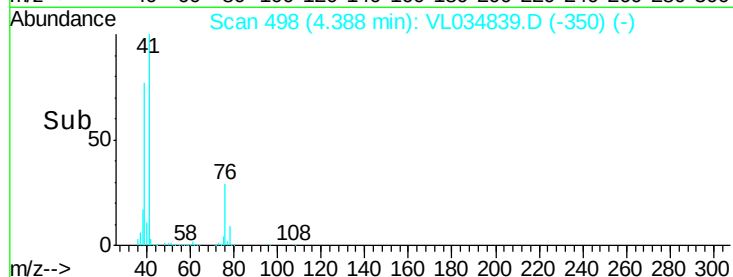
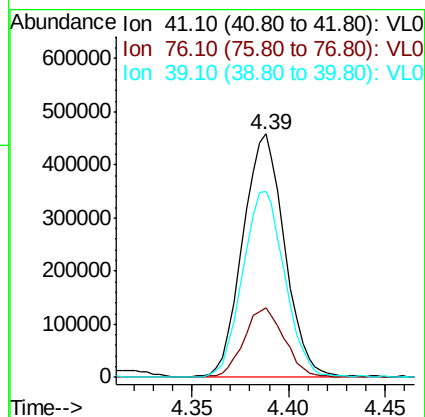
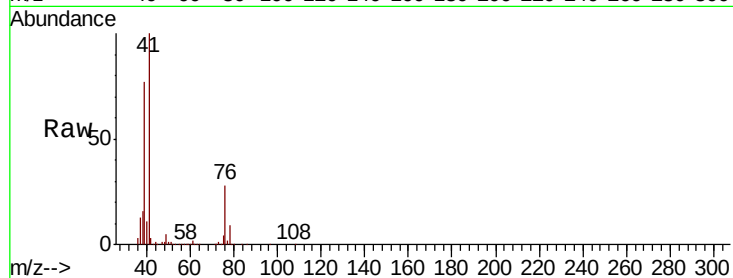
#21
Allvl Chloride
Concen: 10.623 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.0	22.5	33.7
39	77.4	65.0	97.6

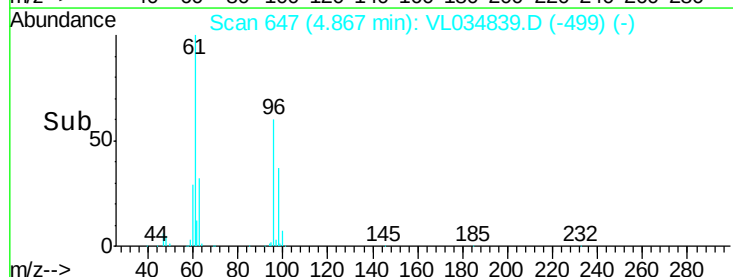
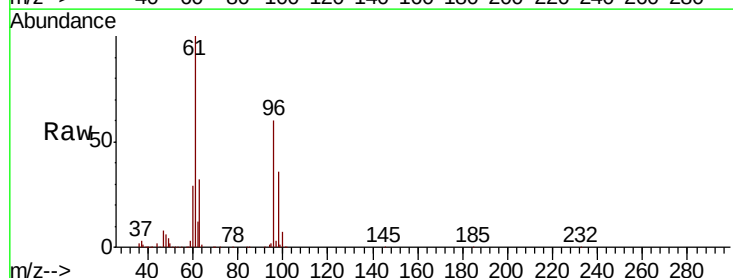
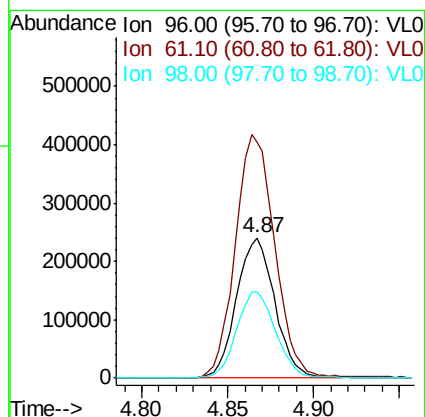
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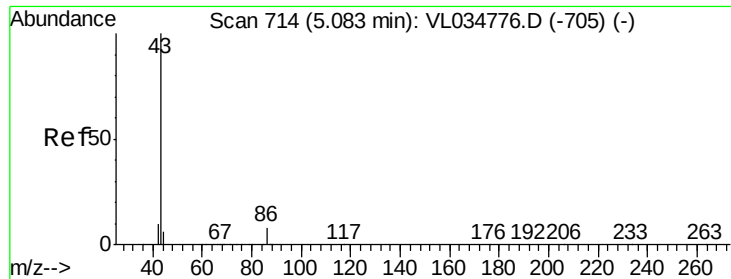
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#22
trans-1,2-Dichloroethene
Concen: 10.166 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.02 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	135.2	202.8
98	60.9	50.8	76.2





#23

Vinyl Acetate

Concen: 11.574 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1577159

Ion Ratio Lower Upper

43 100

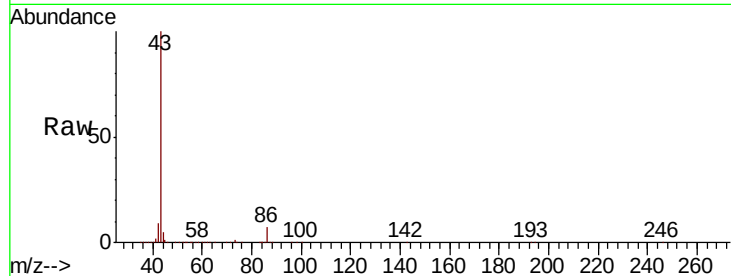
86 6.9 5.9 8.9

42 9.3 8.2 12.2

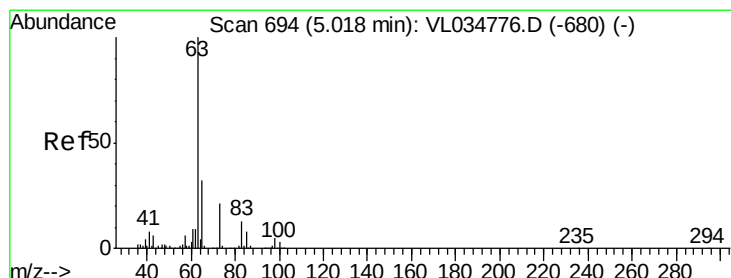
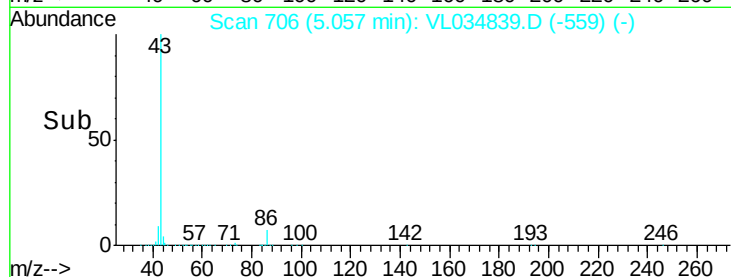
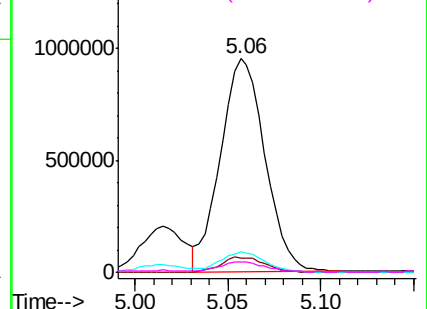
44 4.8 4.5 6.7

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.428 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

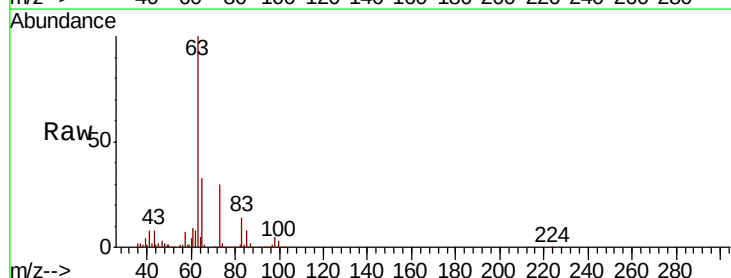
Tgt Ion: 63 Resp: 997091

Ion Ratio Lower Upper

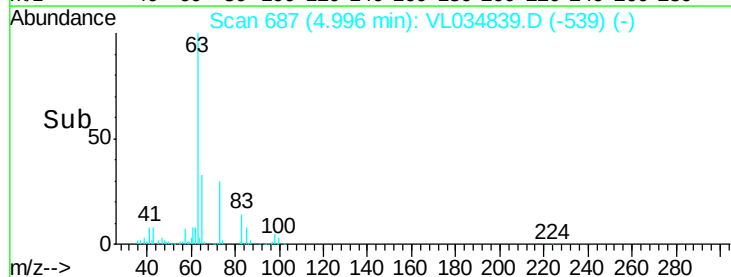
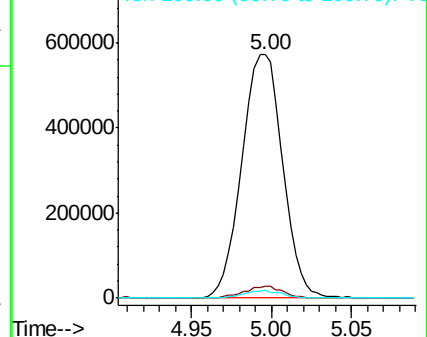
63 100

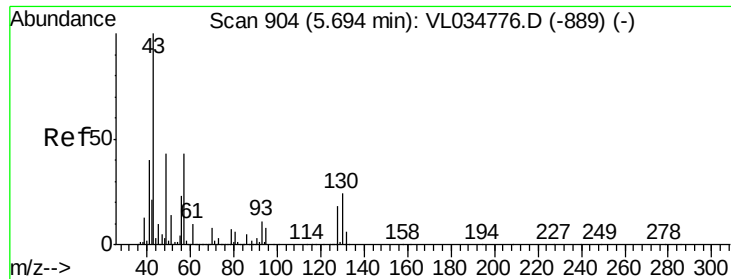
98 4.6 2.3 6.8

100 3.3 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





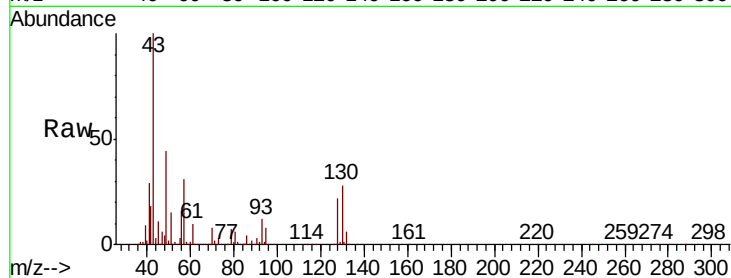
#25
Ethyl Acetate
Concen: 10.175 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

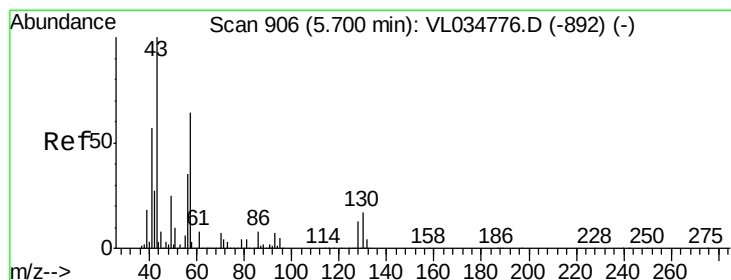
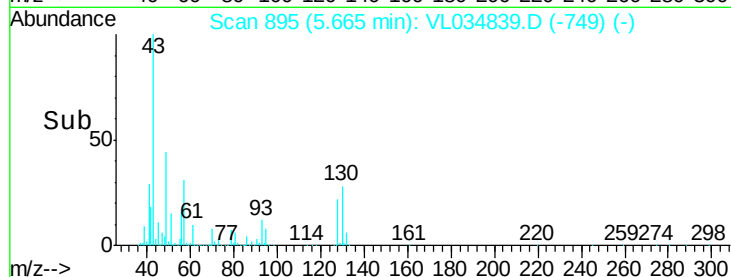
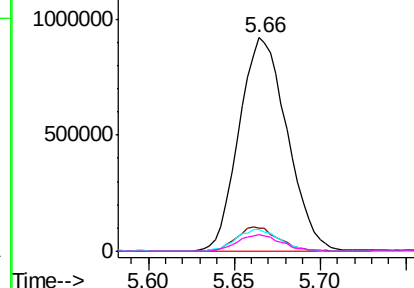
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.2	12.4	
61	9.3	7.5	11.3	
70	7.0	6.0	9.0	

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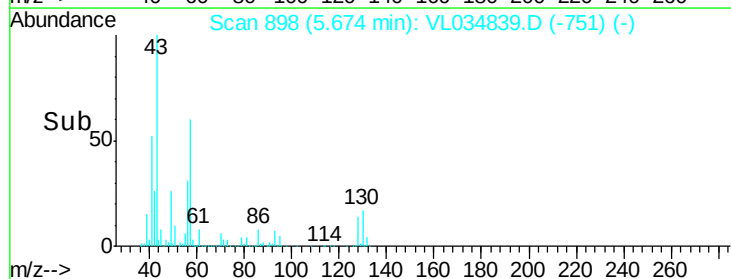
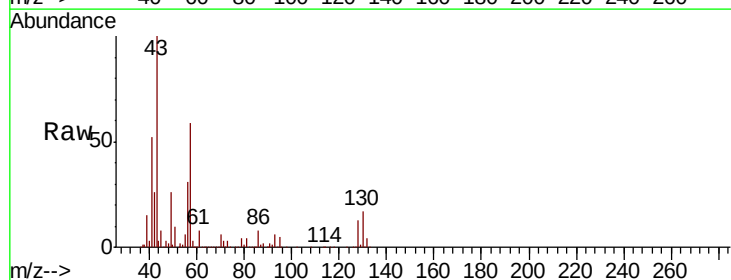
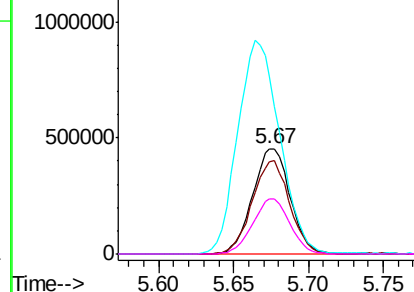
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

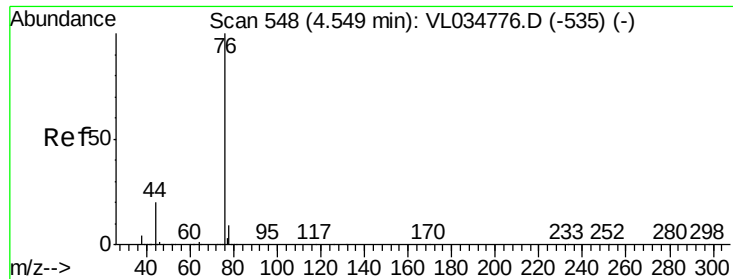


#26
Hexane
Concen: 10.327 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	89.4	72.0	108.0	
43	227.6	179.1	268.7	
56	52.1	42.6	63.8	

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.904 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

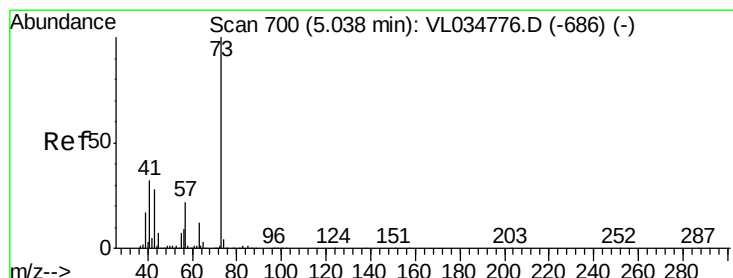
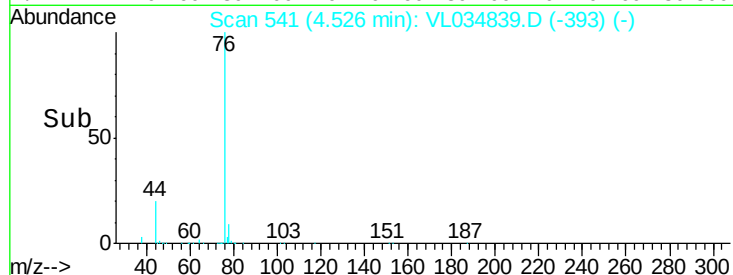
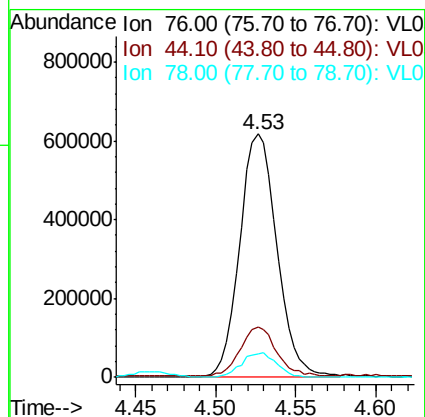
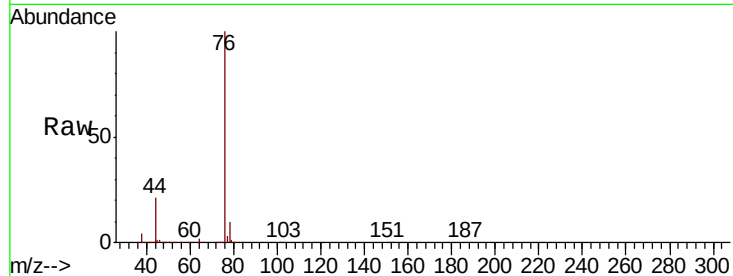
ClientSampleId :

VSTDCCC010EC

Tot Ion:	76	Resp:	977204
Ion	Ratio	Lower	Upper
76	100		
44	19.7	16.1	24.1
78	9.7	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 11.802 ppbv

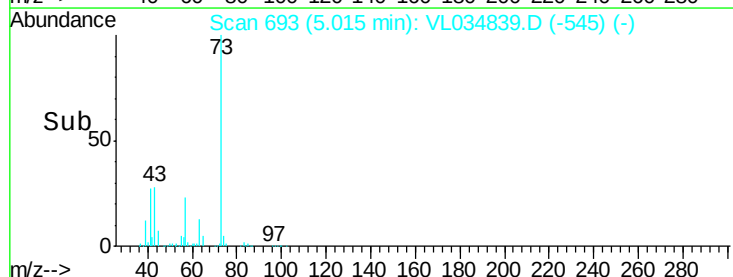
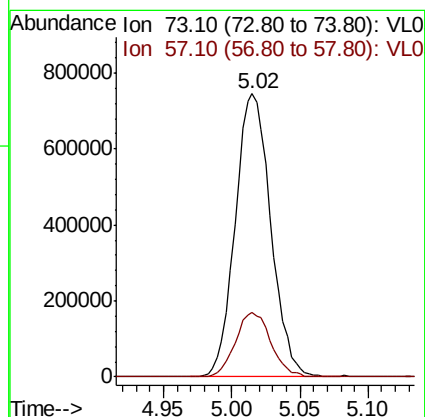
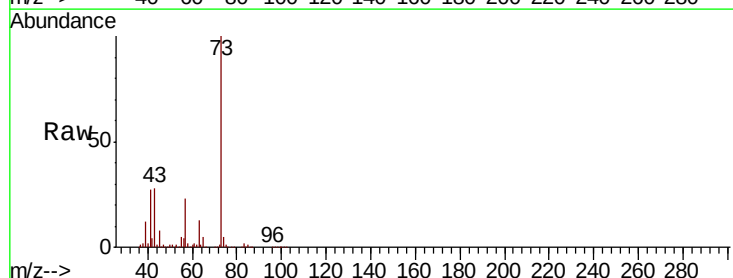
RT: 5.02 min Scan# 693

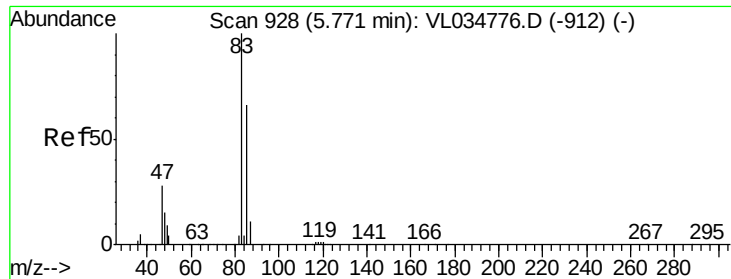
Delta R.T. -0.02 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:	73	Resp:	1347606
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7





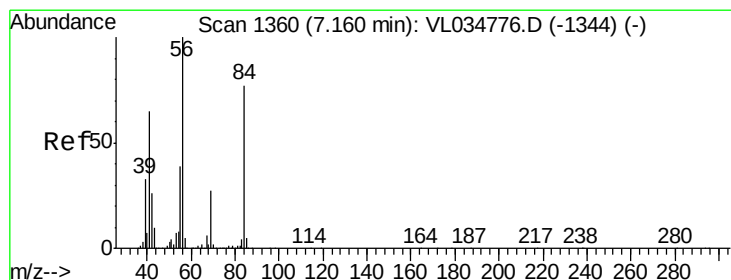
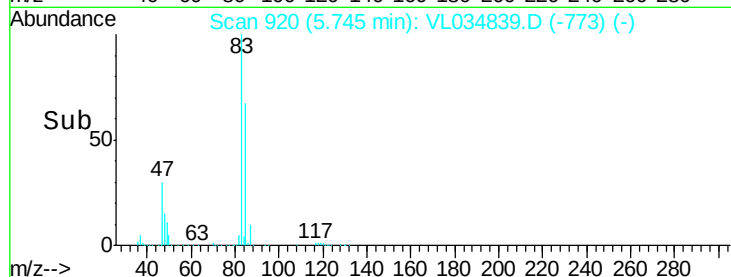
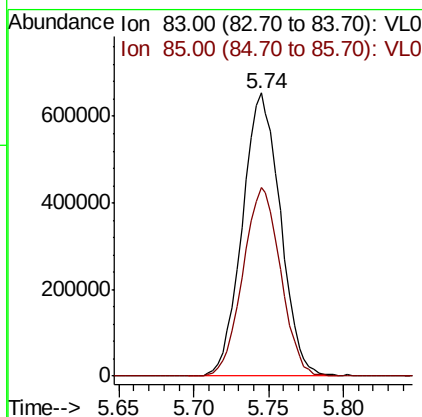
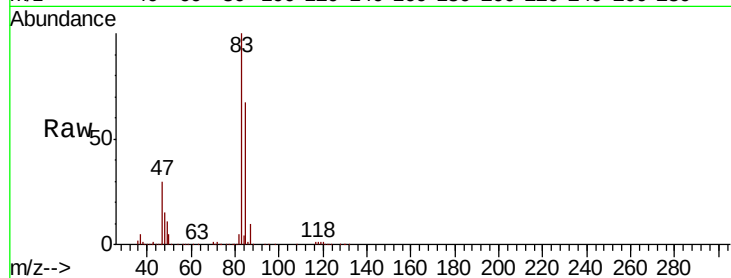
#29
Chloroform
Concen: 8.962 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1157315
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4

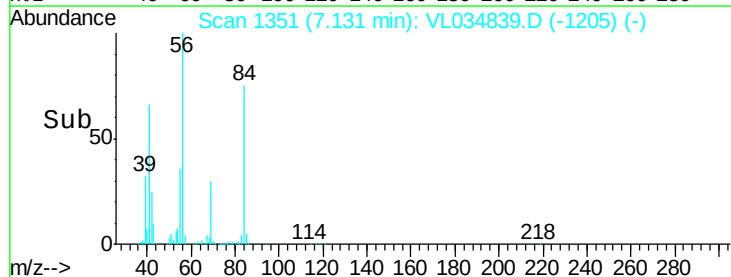
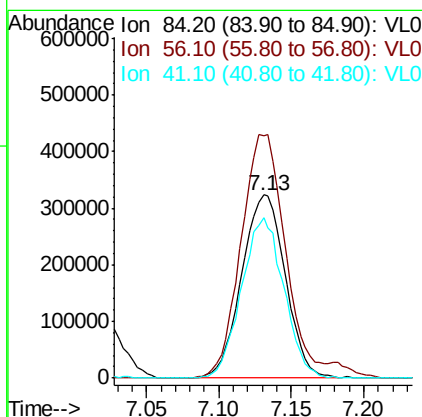
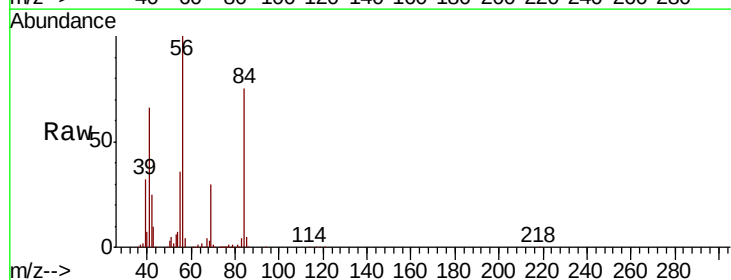
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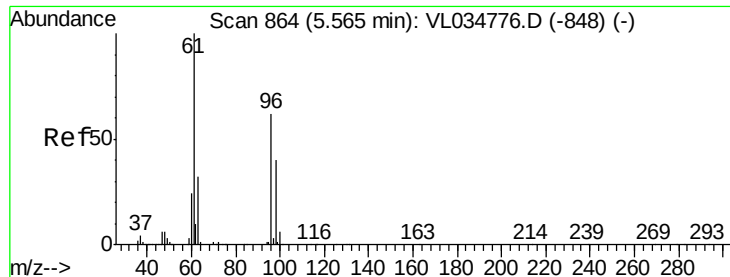
MMDadoda
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#30
Cyclohexane
Concen: 11.486 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 84 Resp: 674111
Ion Ratio Lower Upper
84 100
56 140.3 113.2 169.8
41 85.5 70.2 105.4





#31

cis-1,2-Dichloroethene

Concen: 10.386 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

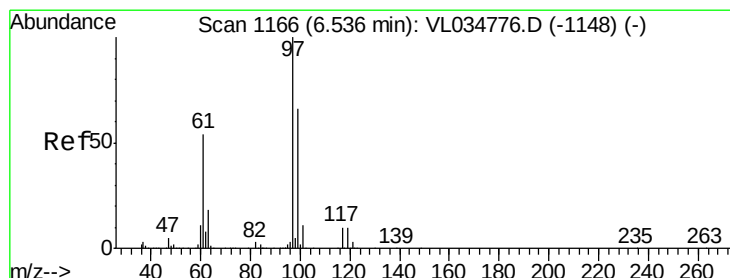
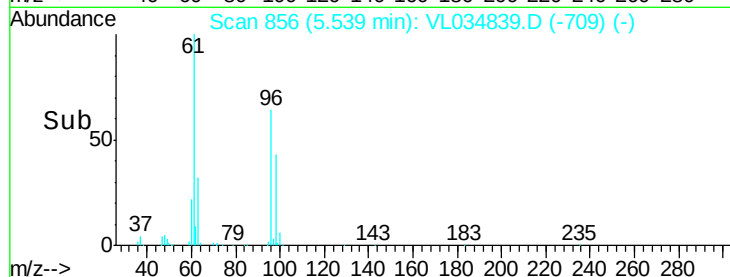
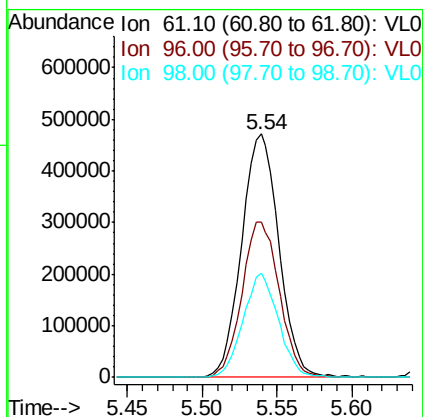
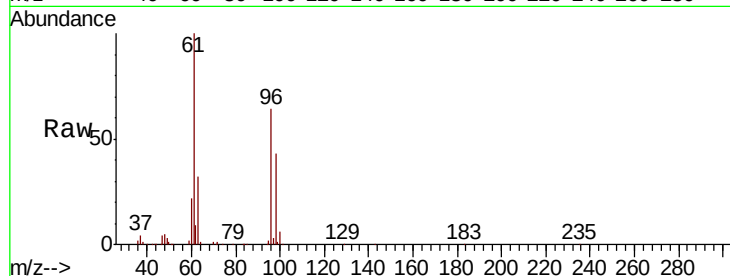
ClientSampleId :

VSTDCCC010EC

Tot Ion:	61	Resp:	817240
Ion	Ratio	Lower	Upper
61	100		
96	63.7	49.7	74.5
98	43.0	31.9	47.9

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#32

1,1,1-Trichloroethane

Concen: 9.367 ppbv

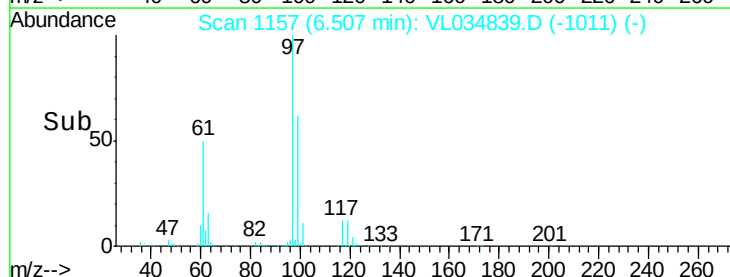
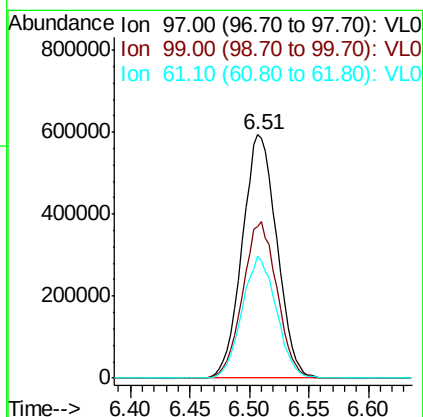
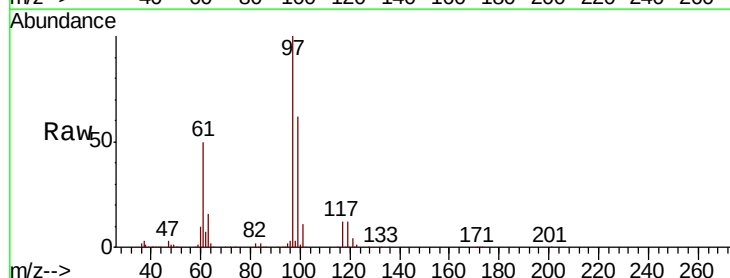
RT: 6.51 min Scan# 1157

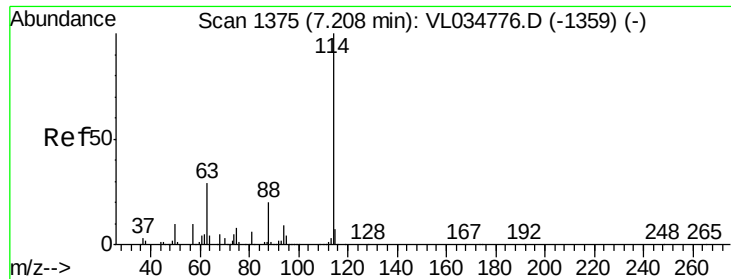
Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:	97	Resp:	1195289
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.7	77.5
61	49.8	43.4	65.0





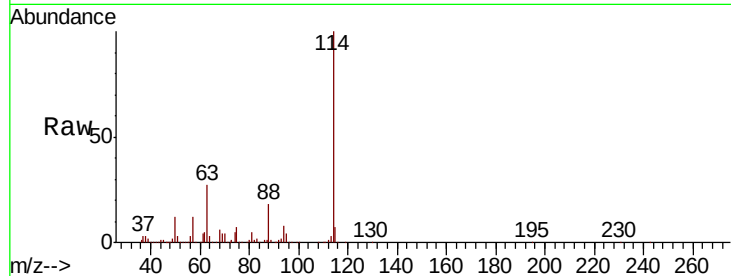
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

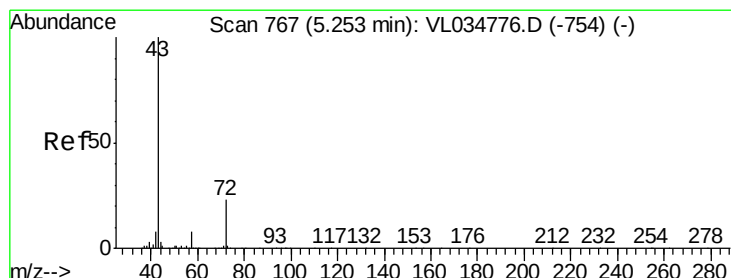
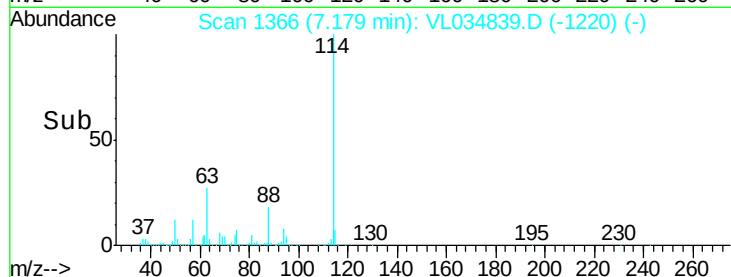
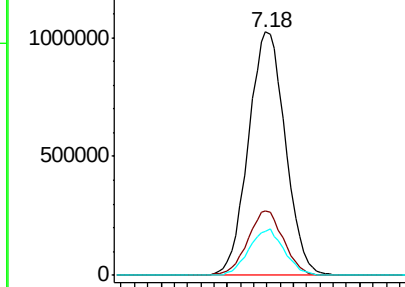
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	23.6	35.4
88	18.3	15.8	23.8

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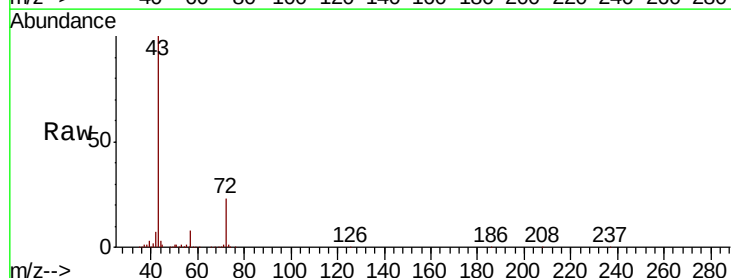


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

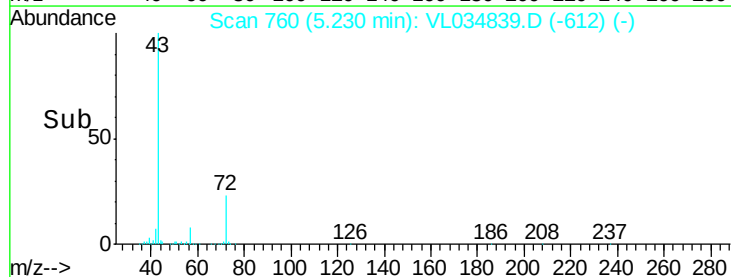
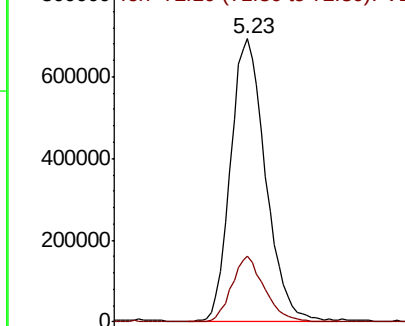


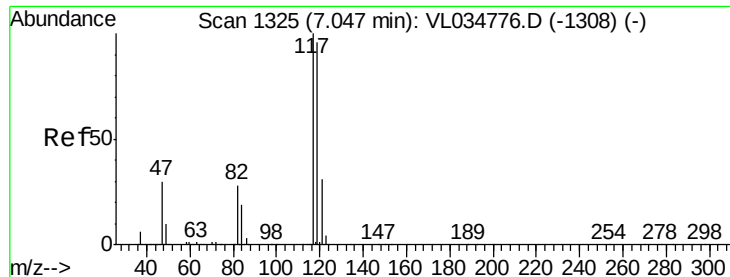
#34
 2-Butanone
 Concen: 9.361 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	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: 8.173 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 117 Resp: 1218165

Ion Ratio Lower Upper

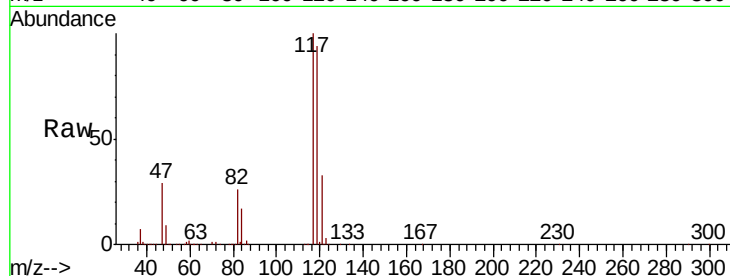
117 100

119 93.6 76.8 115.2

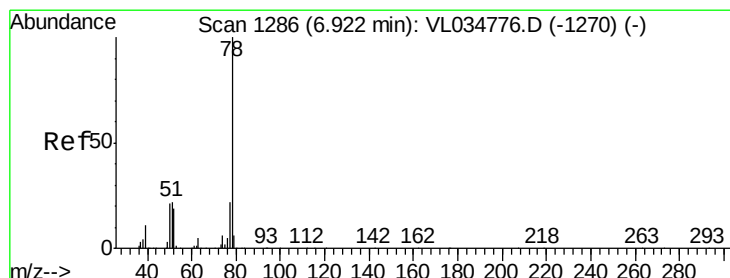
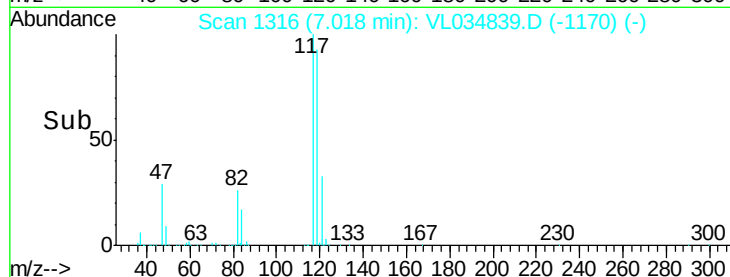
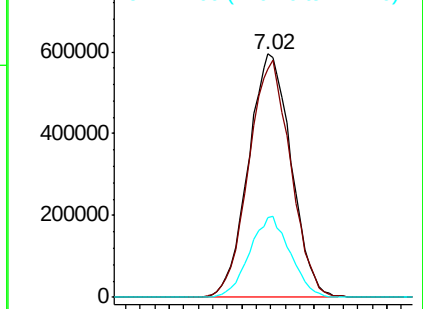
121 32.9 24.6 37.0

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.606 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

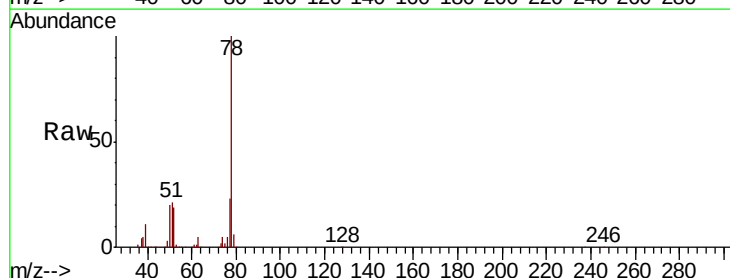
Tgt Ion: 78 Resp: 1621398

Ion Ratio Lower Upper

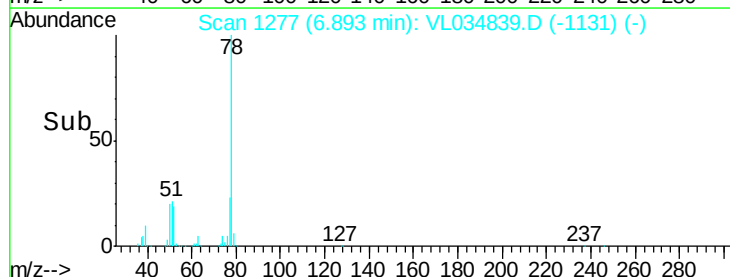
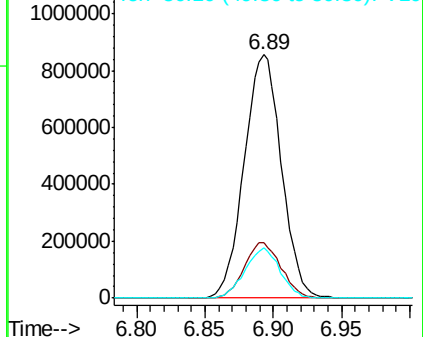
78 100

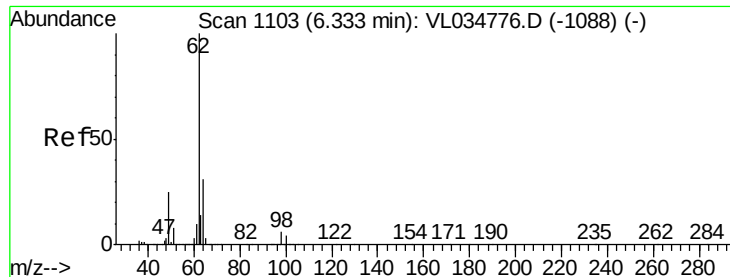
77 22.6 18.0 27.0

50 20.4 16.9 25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





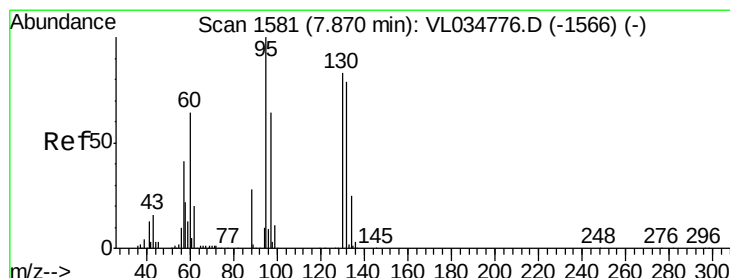
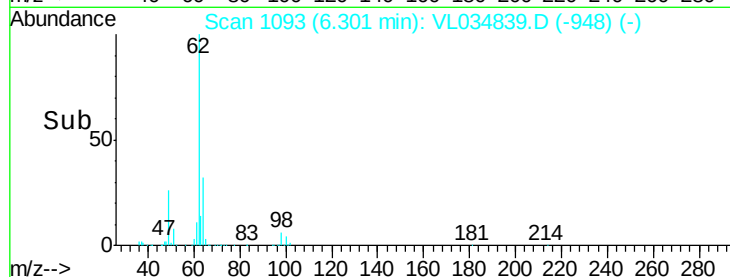
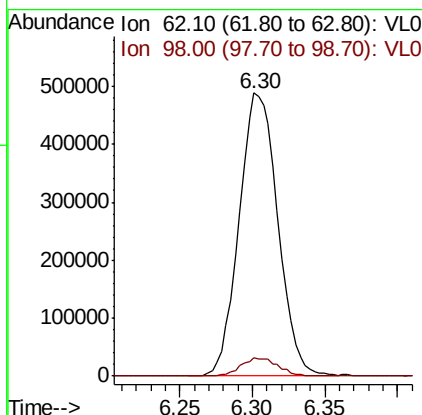
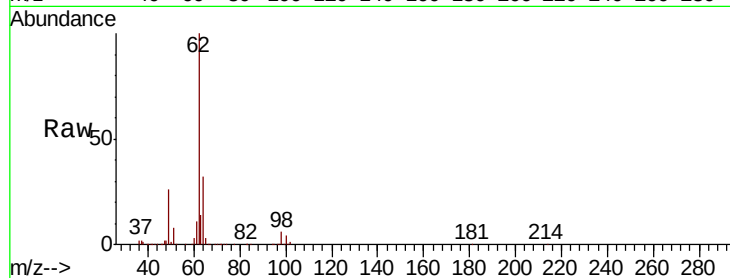
#37
 1,2-Dichloroethane
 Concen: 7.876 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	908071		
98	6.3	4.4	6.6	

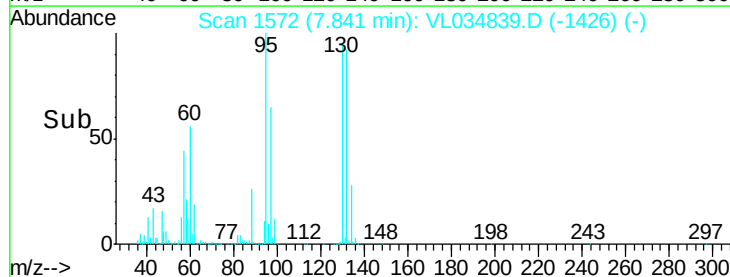
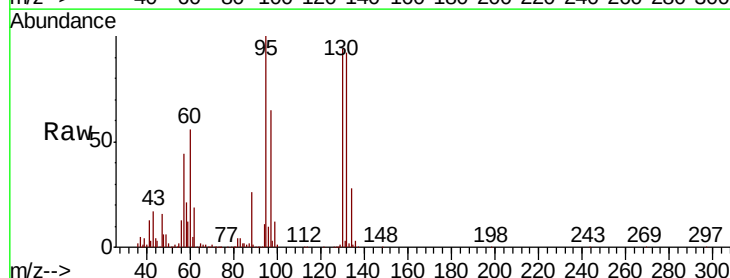
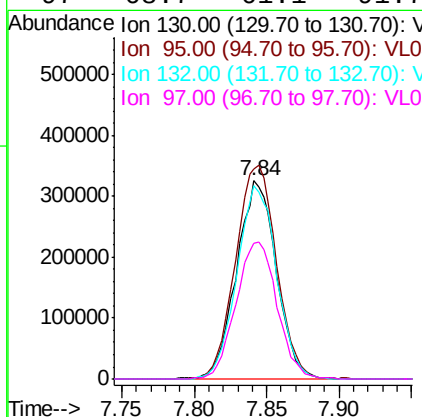
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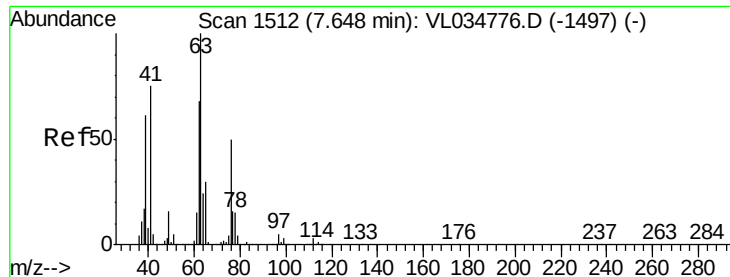
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#38
 Trichloroethene
 Concen: 9.465 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	622655		
95	105.8	95.8	143.8	
132	97.4	76.1	114.1	
97	68.7	61.1	91.7	





#39

1,2-Dichloropropane

Concen: 9.333 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

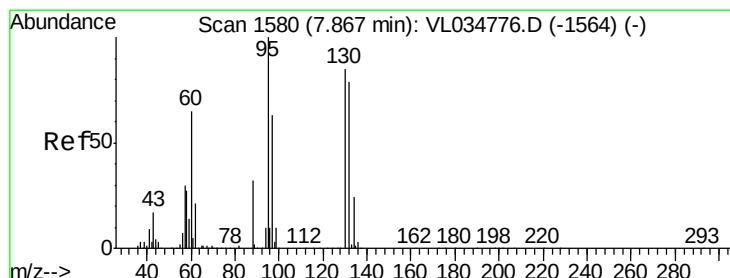
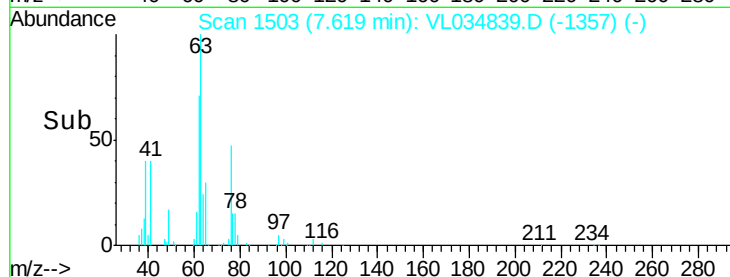
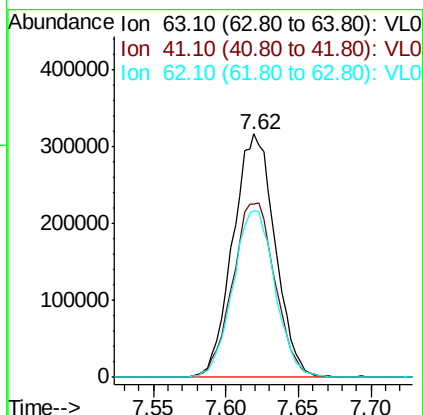
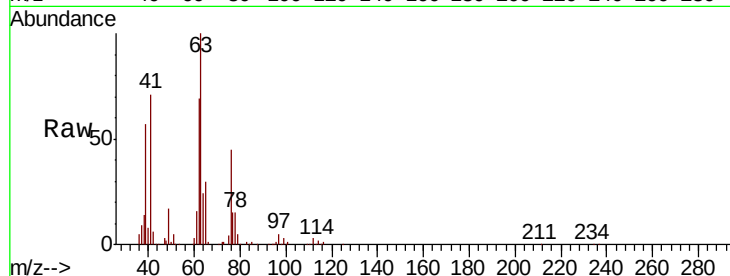
ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	635740
Ion Ratio	Lower	Upper	
63	100		
41	70.9	60.3	90.5
62	68.6	54.5	81.7

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#40

1,4-Dioxane

Concen: 8.543 ppbv

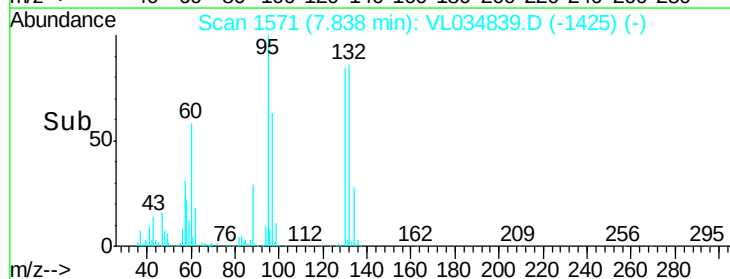
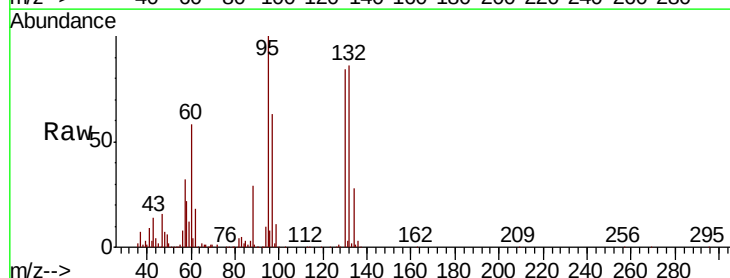
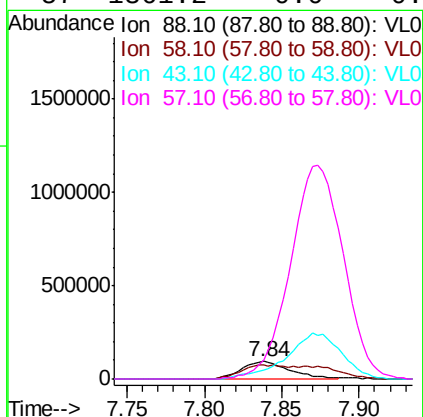
RT: 7.84 min Scan# 1571

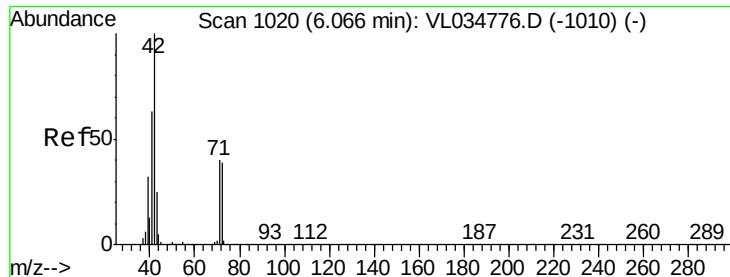
Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:	88	Resp:	201279
Ion Ratio	Lower	Upper	
88	100		
58	145.3	110.6	166.0
43	303.0	0.0	0.0#
57	1361.2	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.406 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

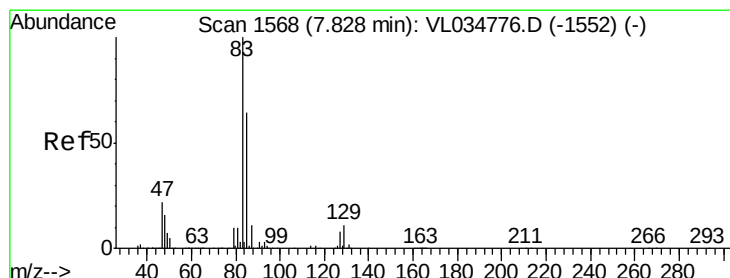
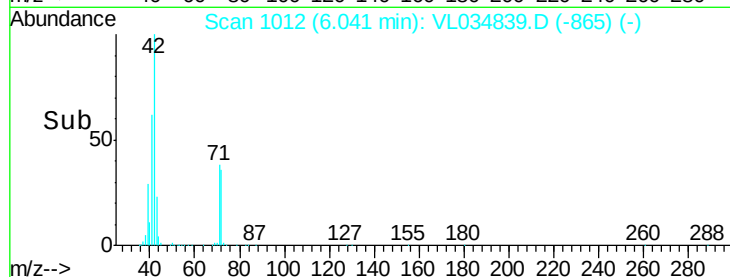
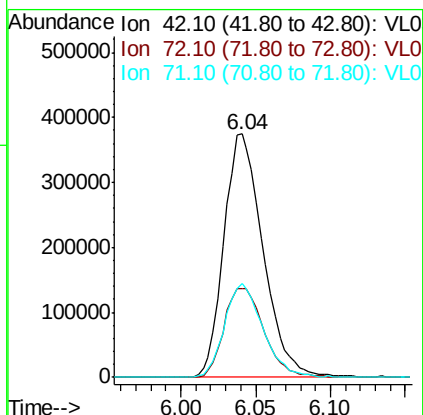
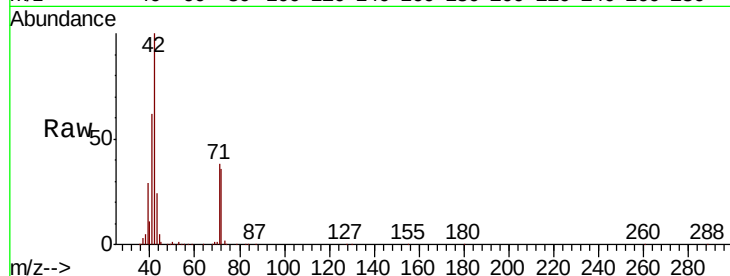
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	682355
Ion Ratio		Lower	Upper
42	100		
72	37.7	32.0	48.0
71	37.8	31.3	46.9

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#42

Bromodichloromethane

Concen: 8.740 ppbv

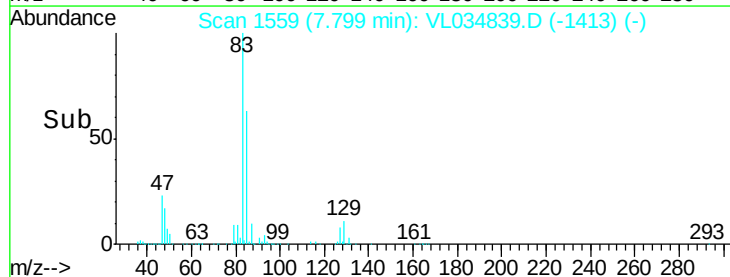
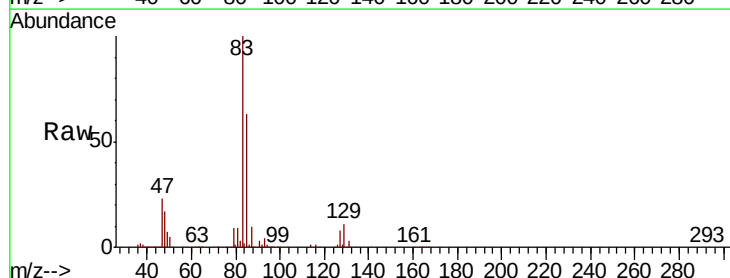
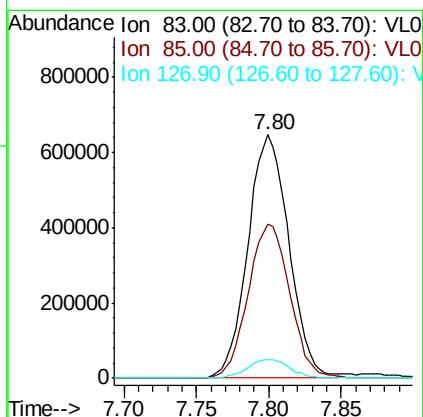
RT: 7.80 min Scan# 1559

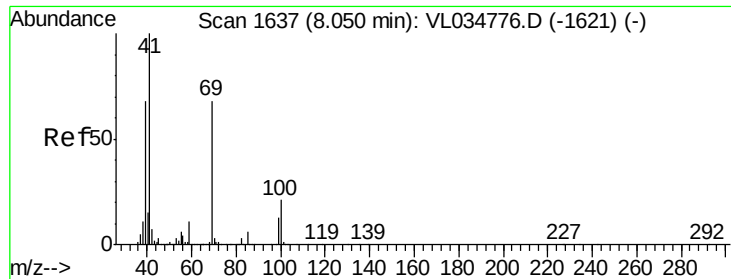
Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:	83	Resp:	1274946
Ion Ratio		Lower	Upper
83	100		
85	63.4	50.8	76.2
127	7.7	6.5	9.7





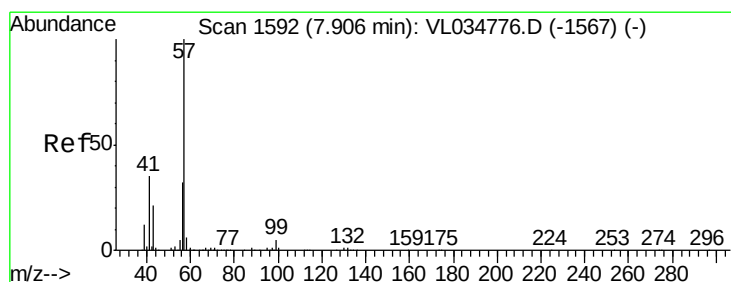
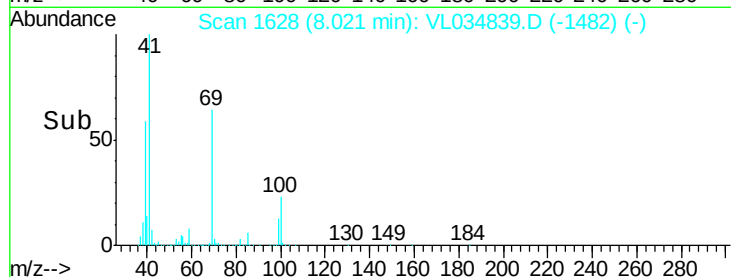
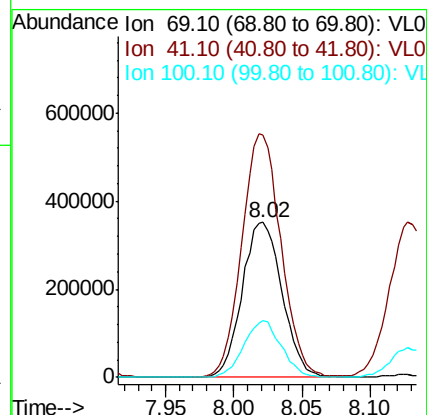
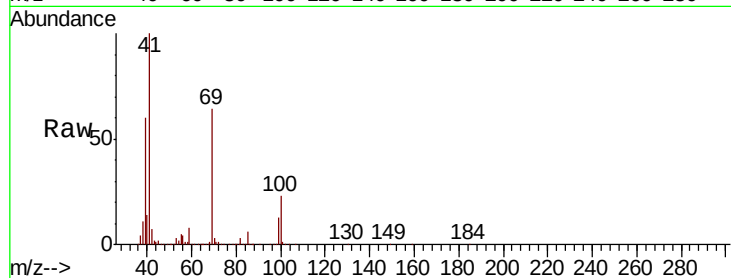
#43
Methyl Methacrylate
Concen: 10.008 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
69	100		
41	154.2	121.6	182.4
100	34.4	23.8	35.8

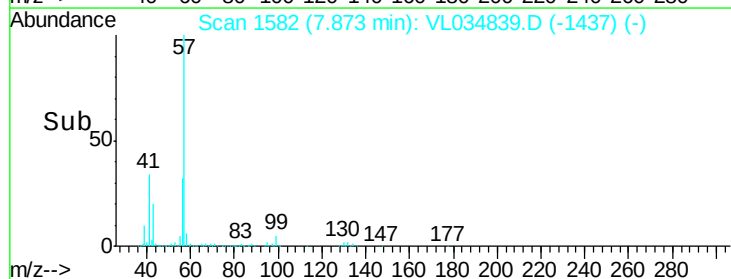
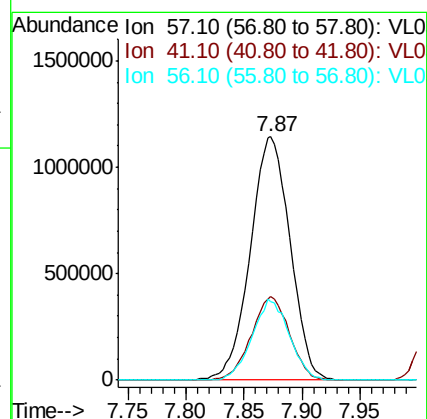
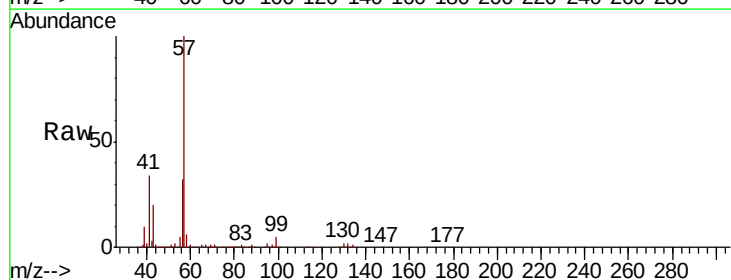
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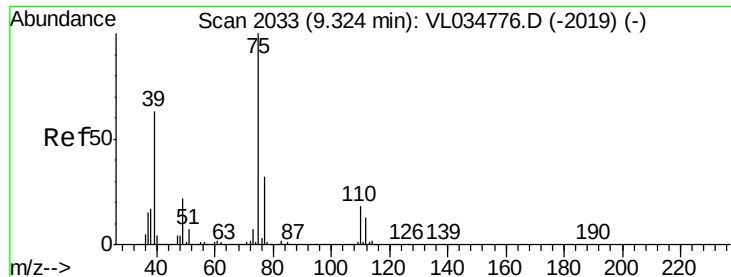
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.237 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.1	27.4	41.0
56	31.3	25.0	37.6





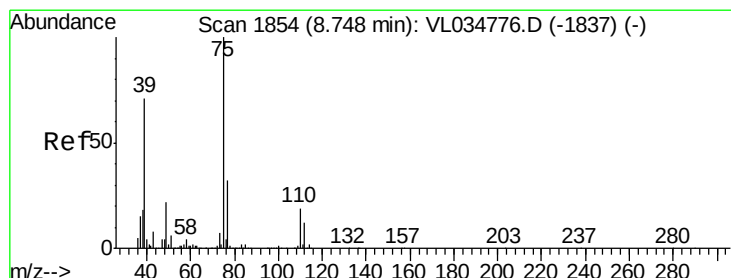
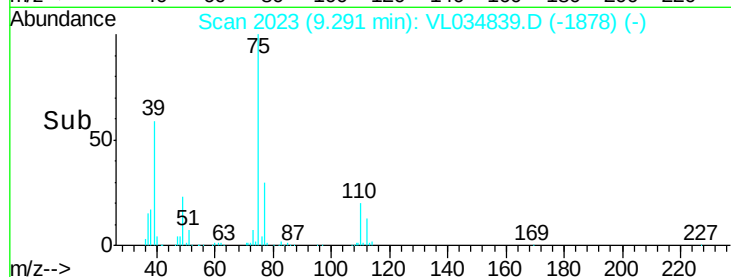
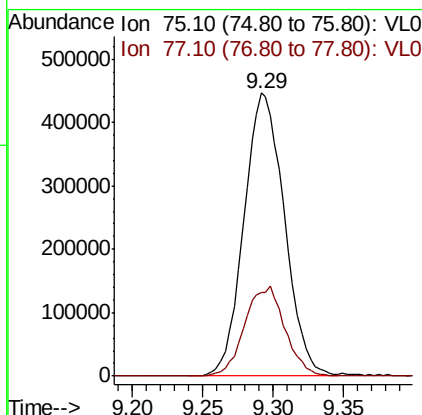
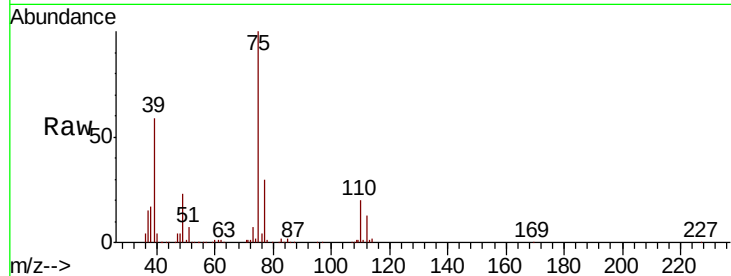
#45
t-1,3-Dichloropropene
Concen: 11.939 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 896540
Ion Ratio Lower Upper
75 100
77 29.5 25.6 38.4

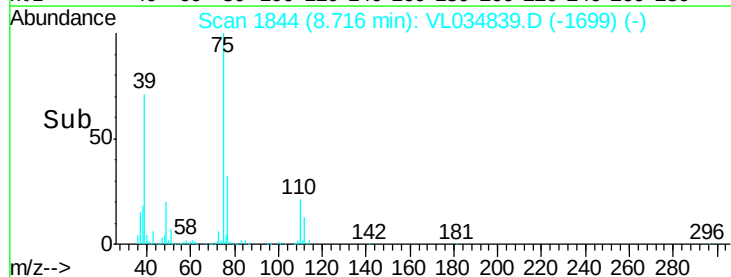
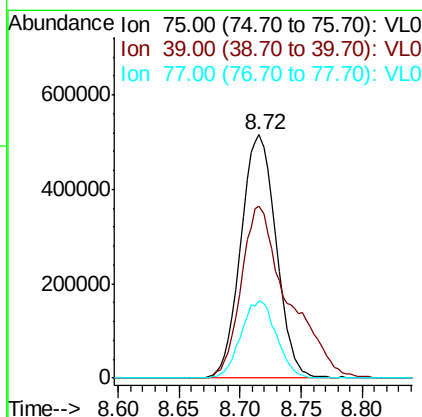
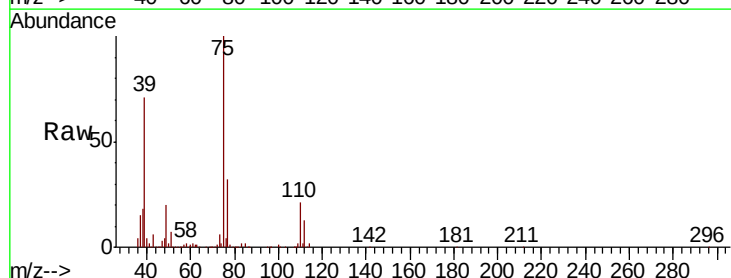
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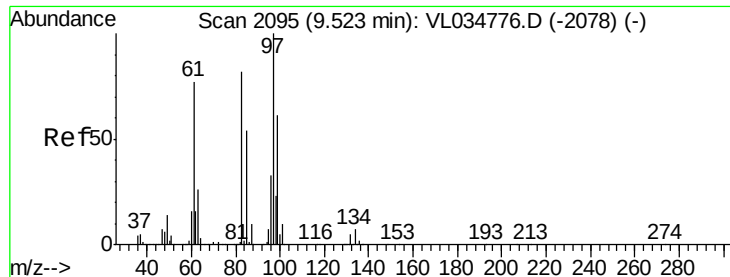
MMDadoda
3/9/2020 9:21:51 AM



#46
cis-1,3-Dichloropropene
Concen: 11.190 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 75 Resp: 1026027
Ion Ratio Lower Upper
75 100
39 70.6 56.9 85.3
77 31.8 25.7 38.5





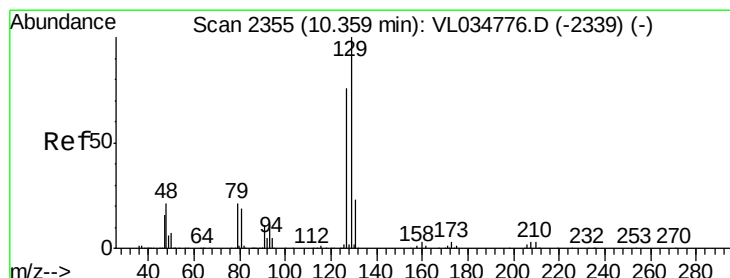
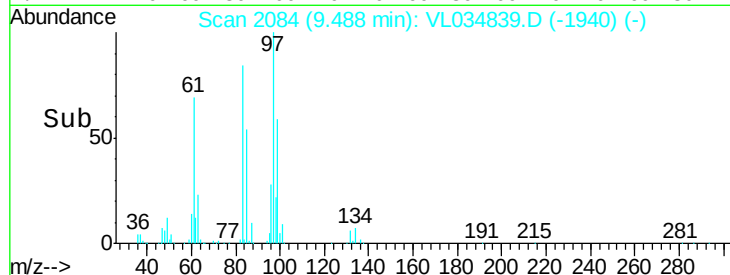
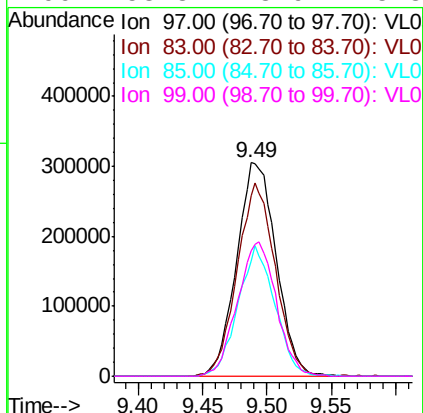
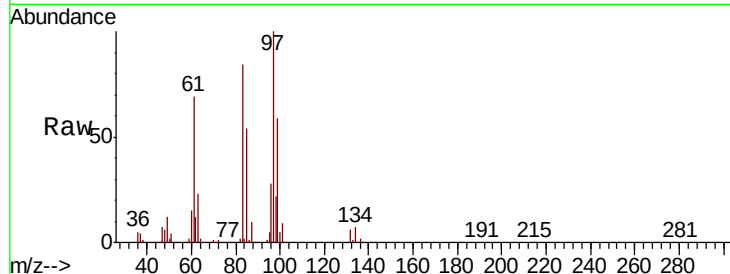
#47
 1,1,2-Trichloroethane
 Concen: 9.061 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		651675		
83	84.3	65.2	97.8		
85	53.9	43.6	65.4		
99	58.8	48.9	73.3		

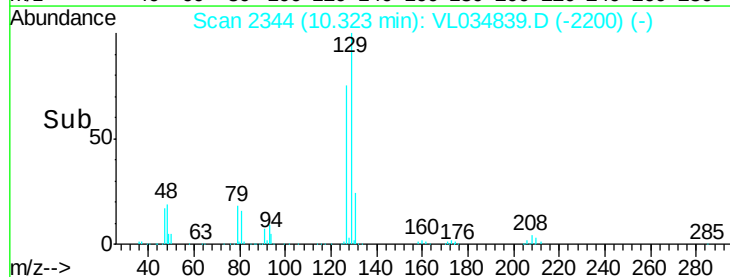
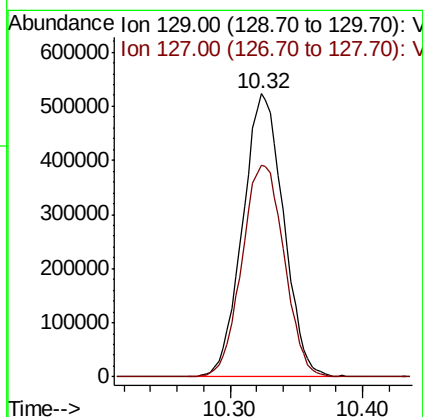
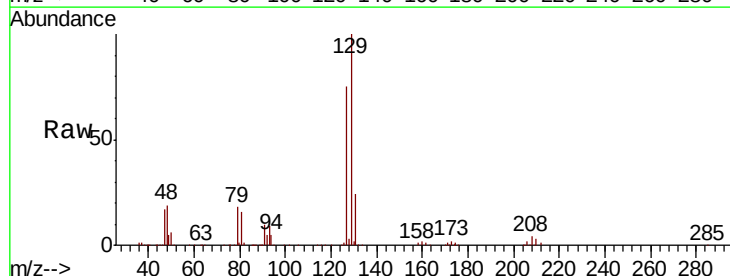
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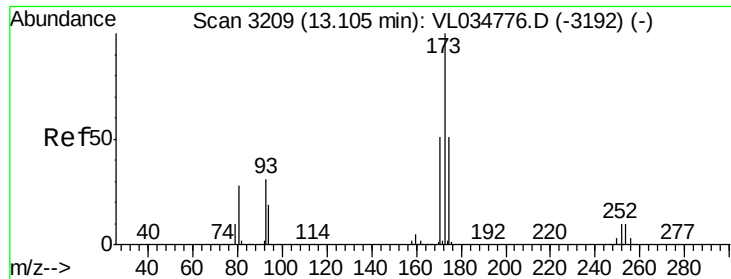
MMDadoda
 3/9/2020 9:21:51 AM



#48
 Dibromochloromethane
 Concen: 9.939 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1117749		
127	77.5	39.0	117.0		





#49

Bromoform

Concen: 10.079 ppbv m

RT: 13.07 min Scan# 3199

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

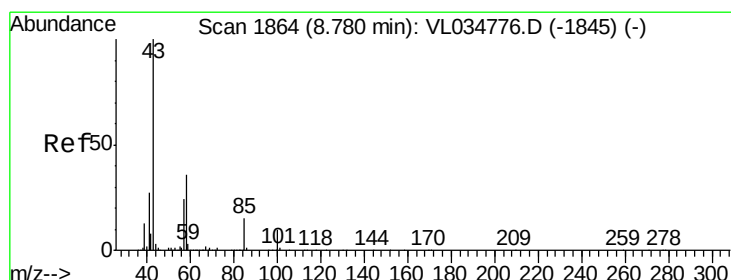
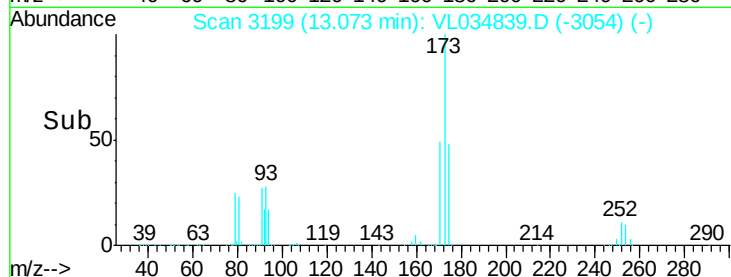
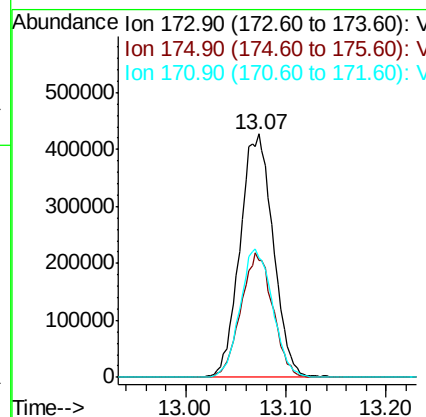
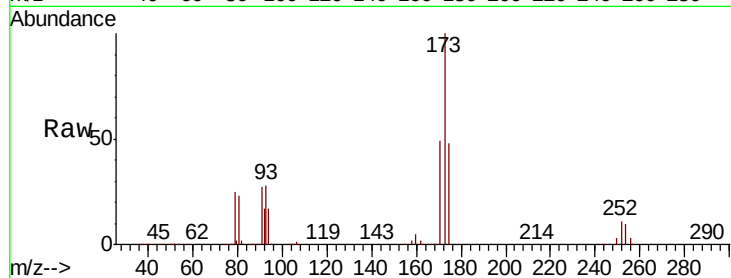
ClientSampleId :

VSTDCCC010EC

Tot Ion:	173	Resp:	989090
Ion Ratio	Lower	Upper	
173	100		
175	0.0	39.8	59.6#
171	0.0	41.0	61.4#

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#50

4-Methyl-2-Pentanone

Concen: 9.528 ppbv

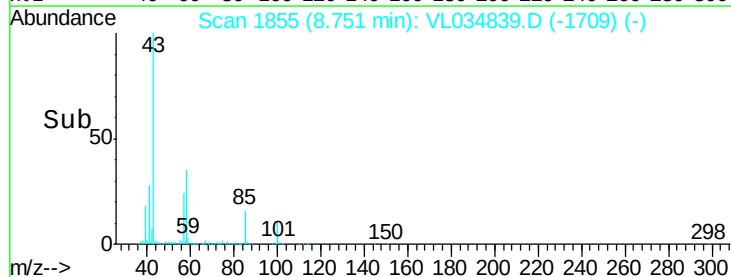
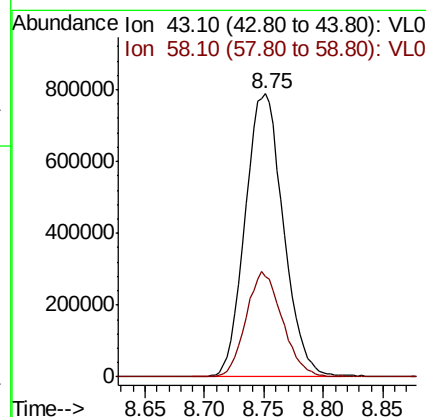
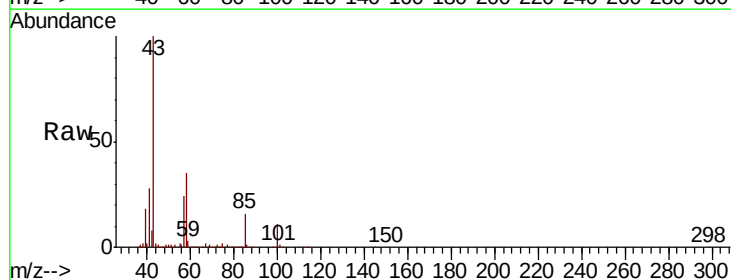
RT: 8.75 min Scan# 1855

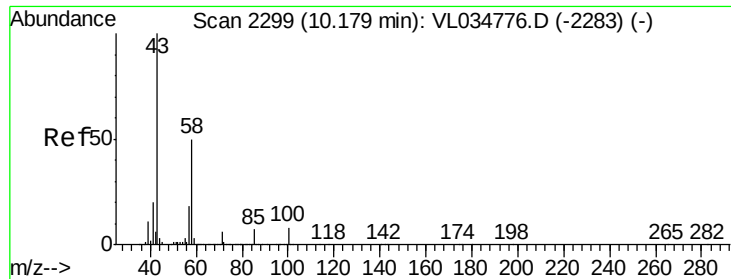
Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:	43	Resp:	1754516
Ion Ratio	Lower	Upper	
43	100		
58	35.4	28.7	43.1





#51

2-Hexanone

Concen: 9.956 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1438177

Ion Ratio Lower Upper

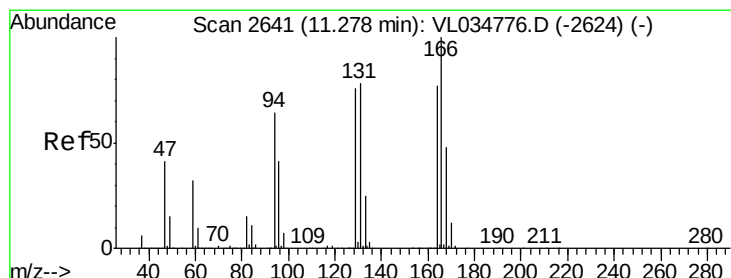
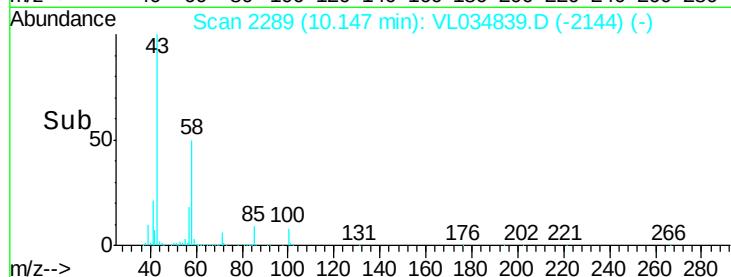
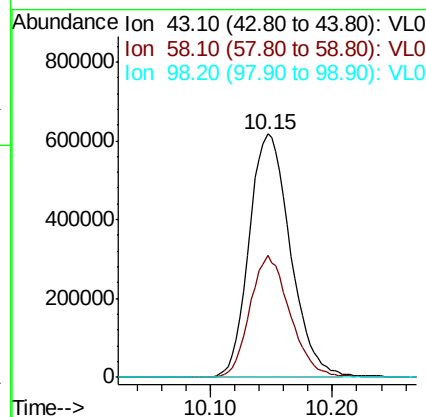
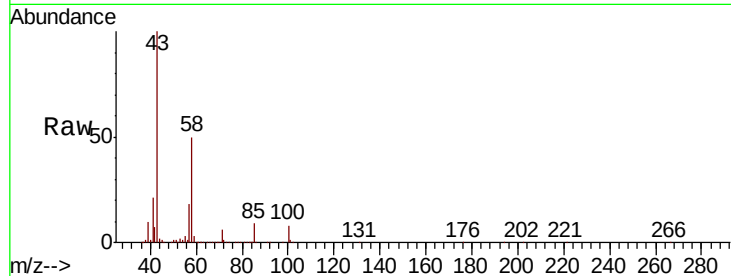
43 100

58 48.9 38.6 58.0

98 0.1 0.2 0.4#

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#52

Tetrachloroethene

Concen: 9.517 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 164 Resp: 593480

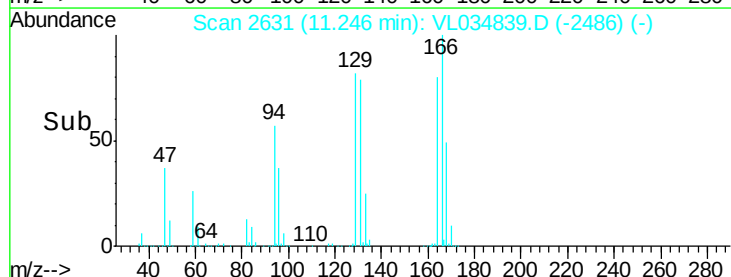
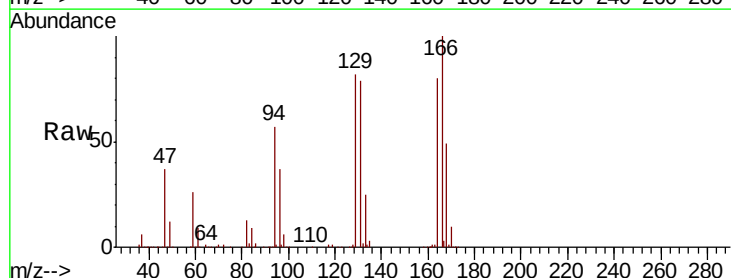
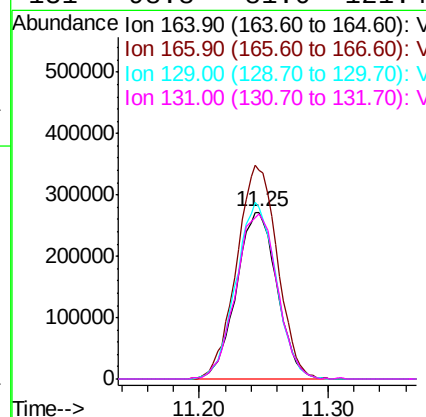
Ion Ratio Lower Upper

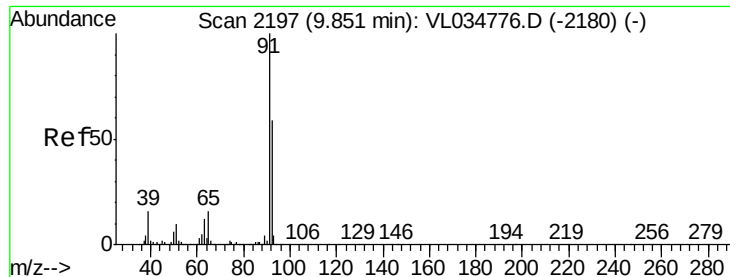
164 100

166 124.7 103.3 154.9

129 102.5 79.0 118.4

131 98.8 81.0 121.4





#53

Toluene

Concen: 10.566 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 1887525

Ion Ratio Lower Upper

91 100

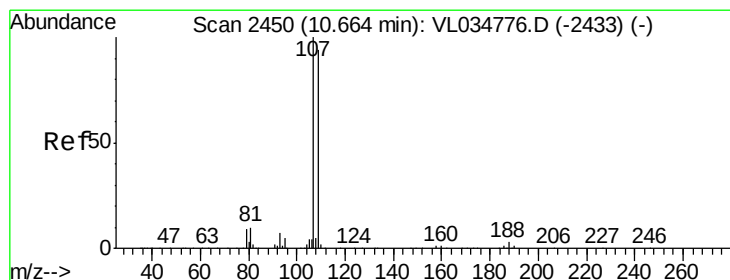
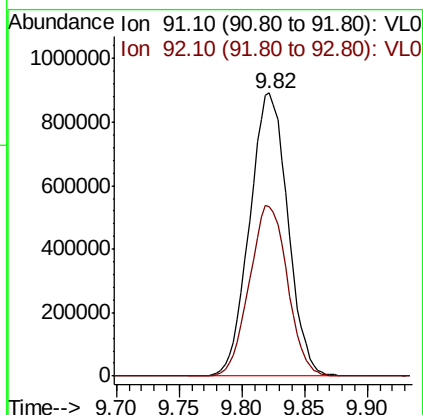
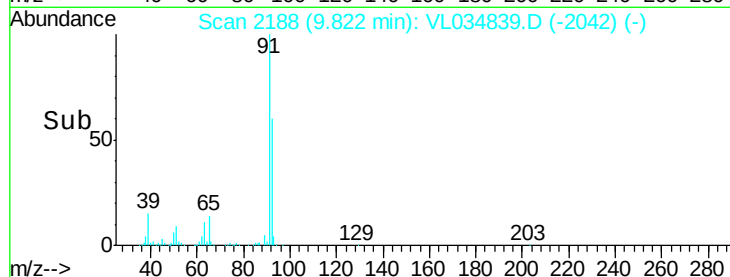
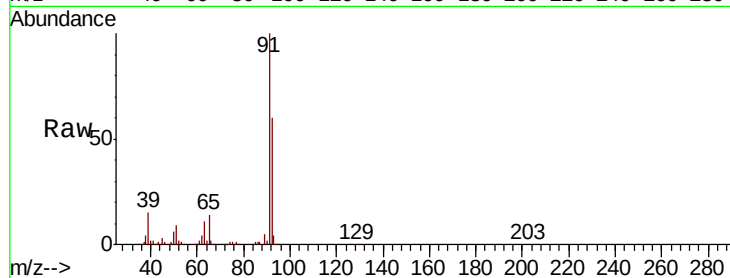
92 60.3 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.286 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.03 min

Lab File: VL034839.D

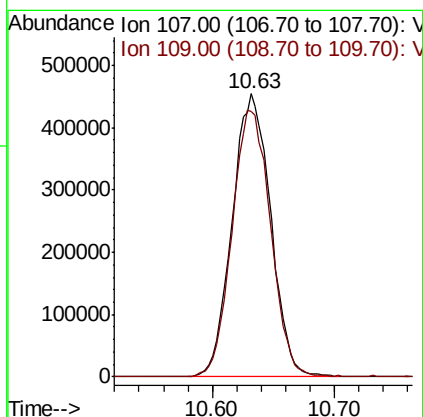
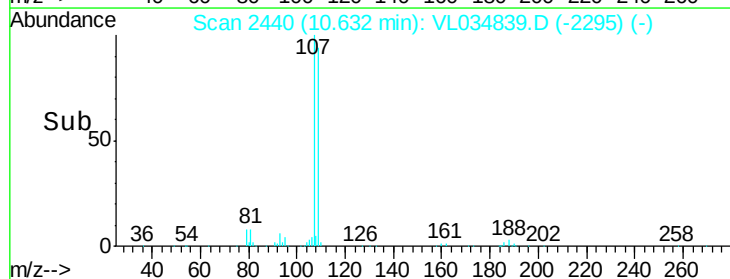
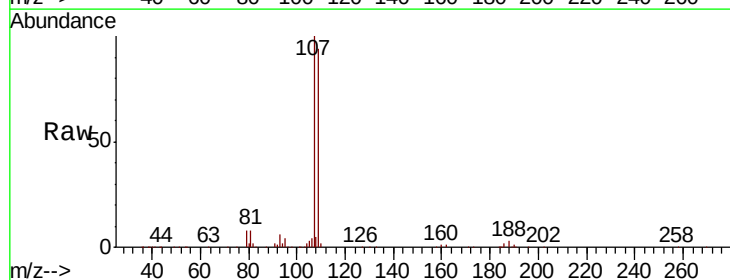
Acq: 7 Mar 2020 10:24

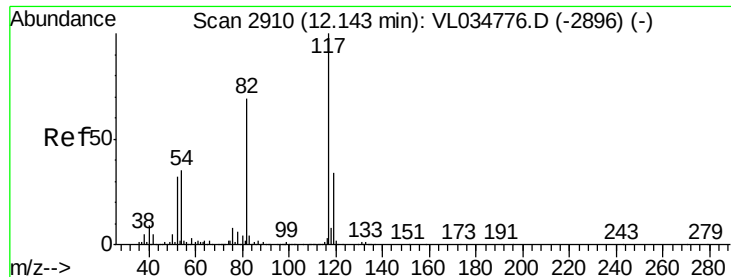
Tgt Ion: 107 Resp: 987522

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6





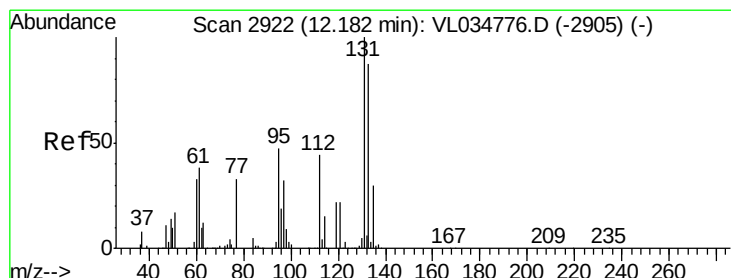
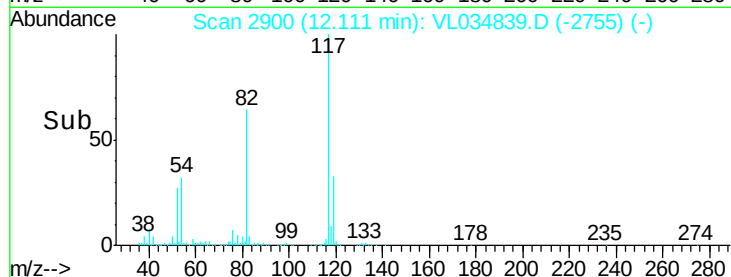
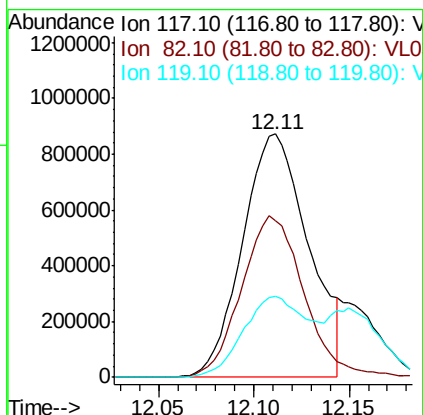
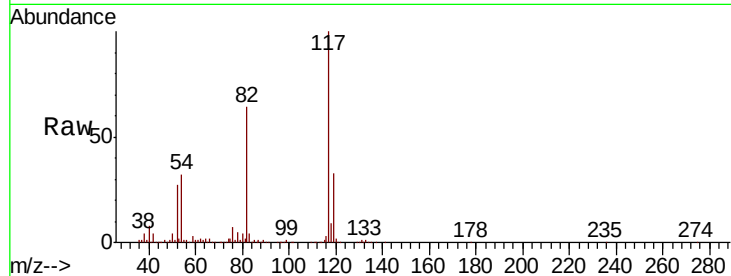
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	53.9	80.9
119	34.1	25.0	37.4

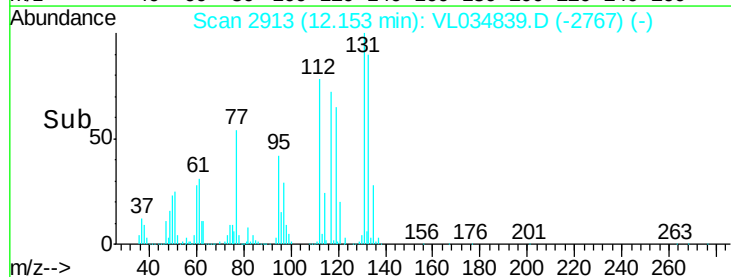
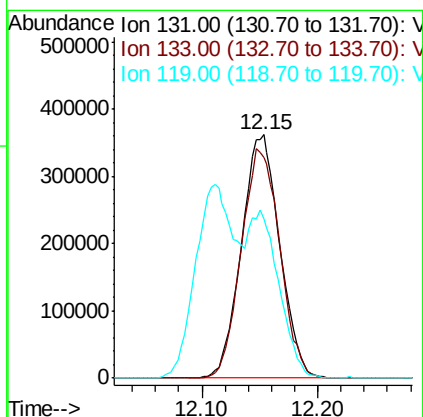
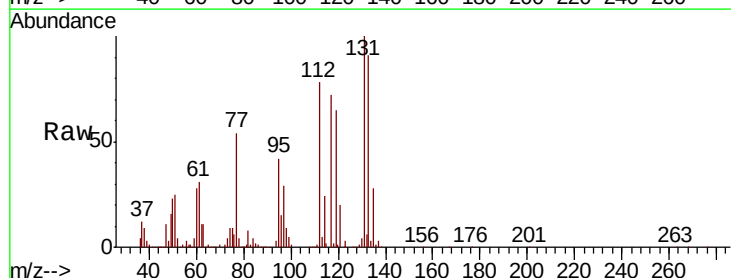
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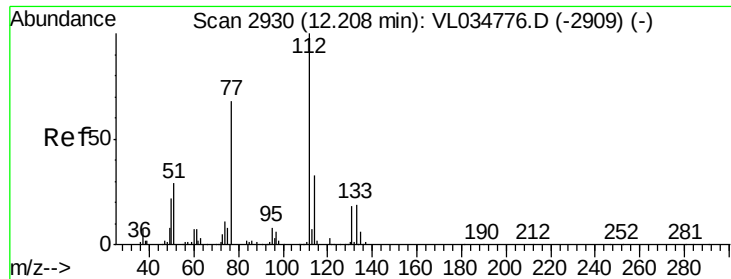
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.964 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.03 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	75.4	113.0
119	59.1	110.5	165.7#





#57

Chlorobenzene

Concen: 8.635 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 1378101

Ion Ratio Lower Upper

112 100

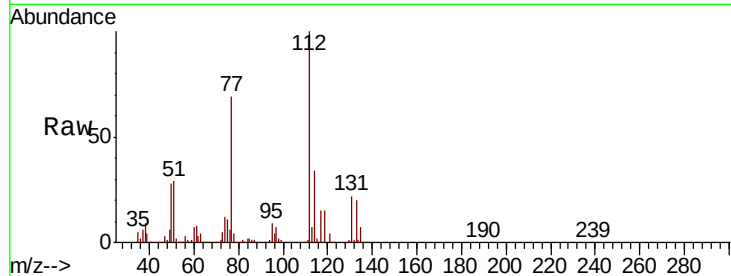
77 69.3 55.6 83.4

114 33.7 29.4 36.0

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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

800000

600000

400000

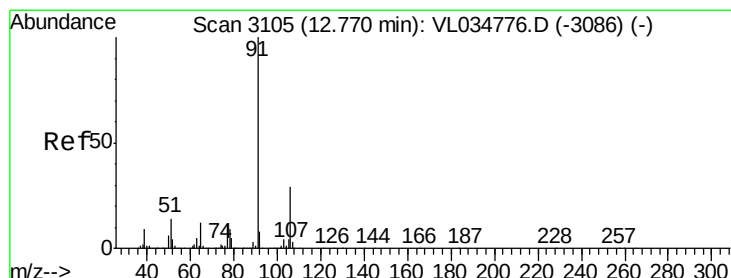
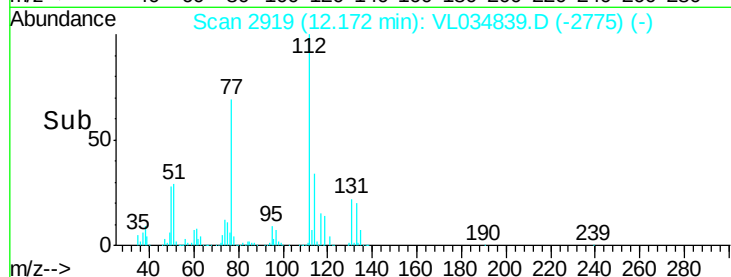
200000

0

12.10

12.20

Time-->



#58

Ethyl Benzene

Concen: 9.578 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.04 min

Lab File: VL034839.D

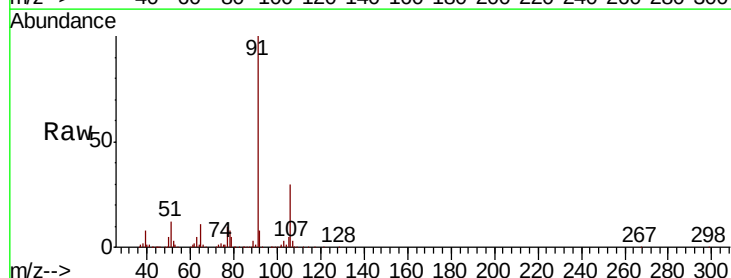
Acq: 7 Mar 2020 10:24

Tgt Ion: 91 Resp: 2466092

Ion Ratio Lower Upper

91 100

106 29.7 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

1200000

1000000

800000

600000

400000

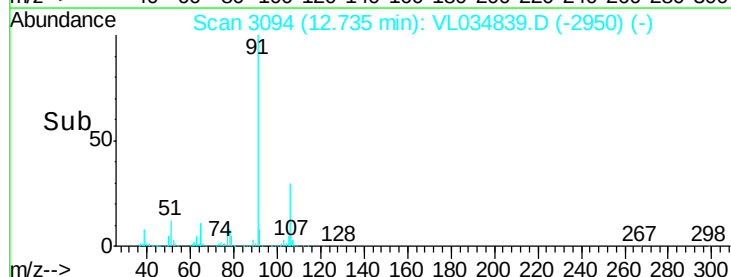
200000

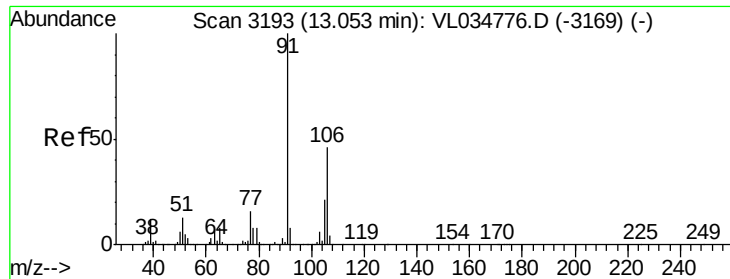
0

12.70

12.80

Time-->





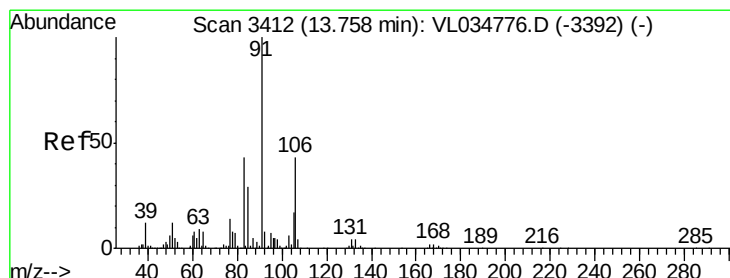
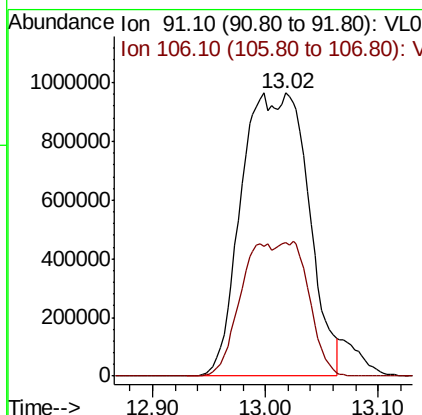
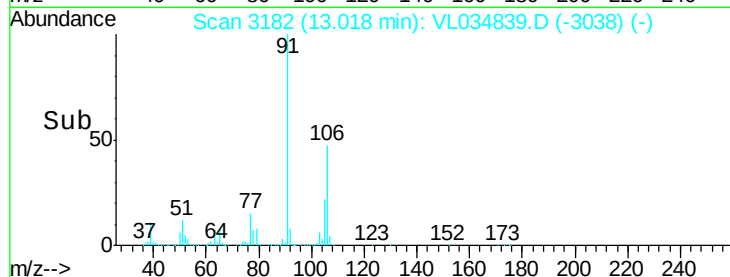
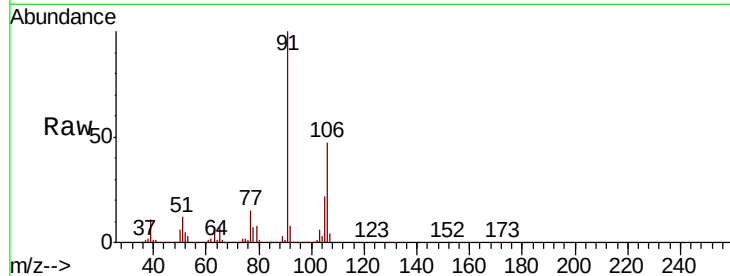
#59
m/p-Xylene
Concen: 17.751 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 3956103
Ion Ratio Lower Upper
91 100
106 46.8 35.8 53.8

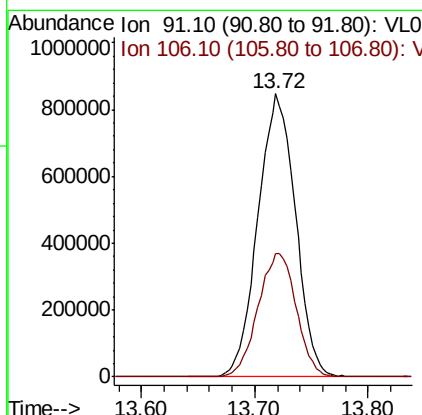
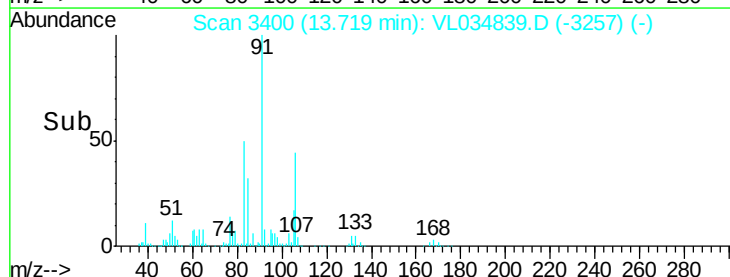
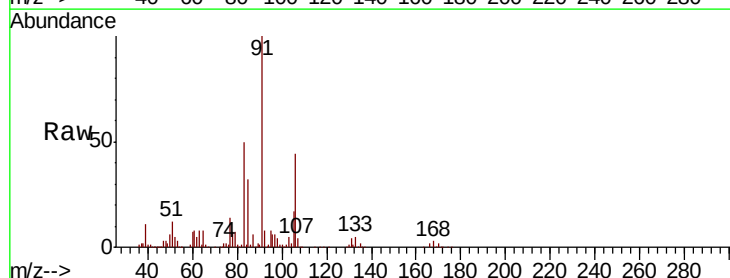
Manual Integrations
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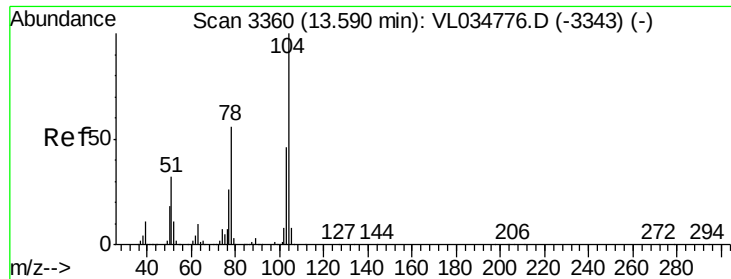
MMDadoda
3/9/2020 9:21:51 AM



#60
o-Xylene
Concen: 8.629 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion: 91 Resp: 1945877
Ion Ratio Lower Upper
91 100
106 44.5 21.7 65.1





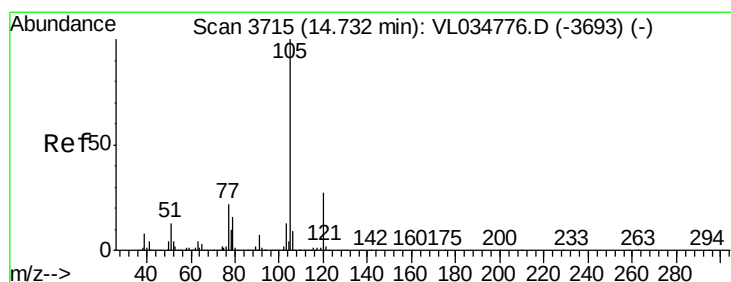
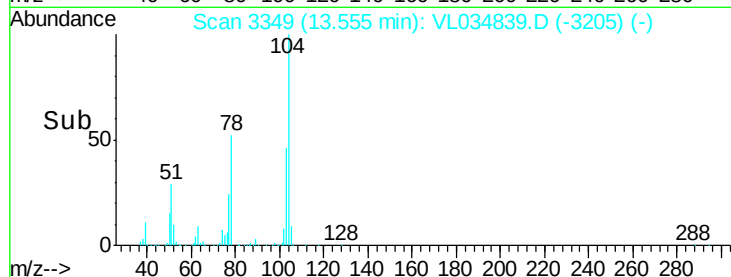
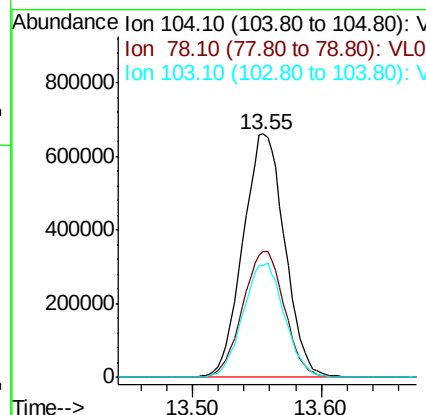
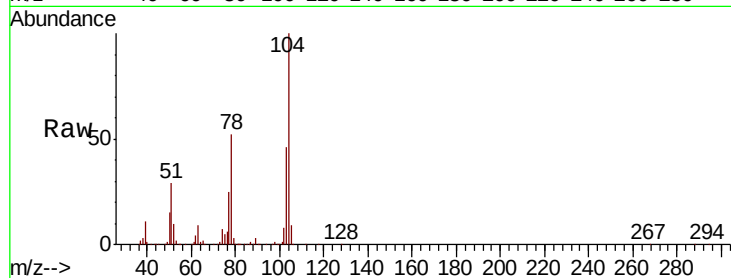
#61
Stvrene
Concen: 10.639 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.9	44.7	67.1
103	46.8	38.2	57.2

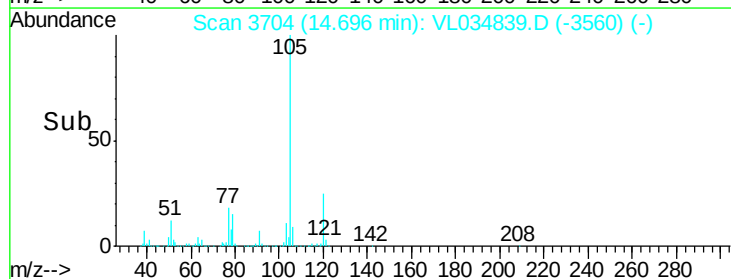
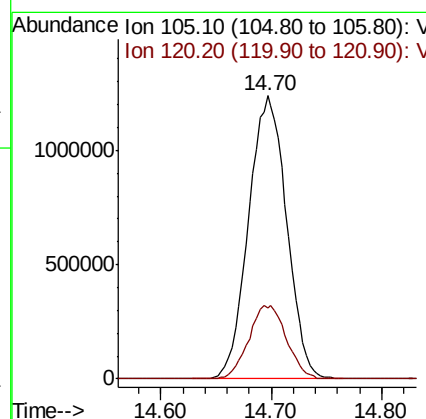
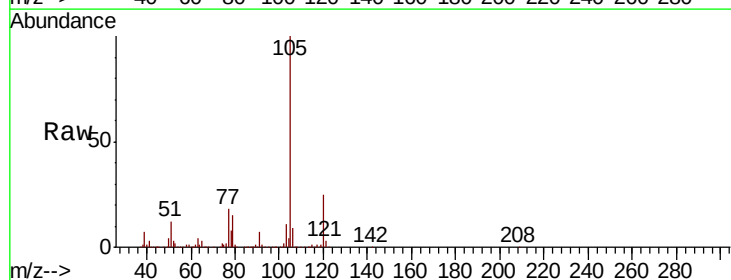
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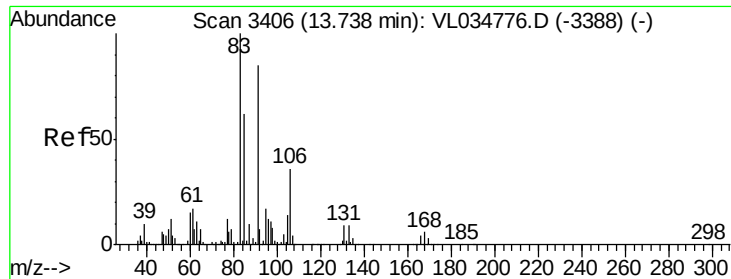
MMDadoda
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#62
Isopropylbenzene
Concen: 8.915 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.04 min
Lab File: VL034839.D
Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7





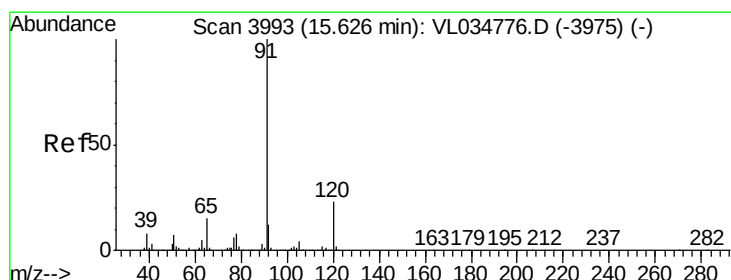
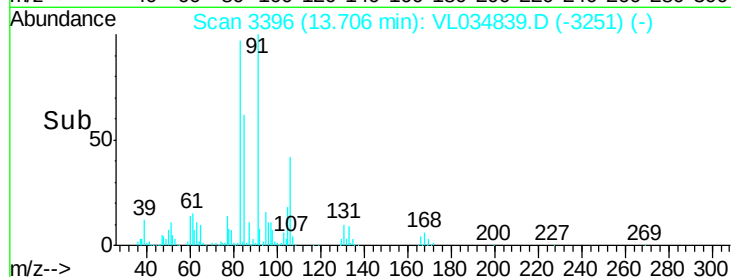
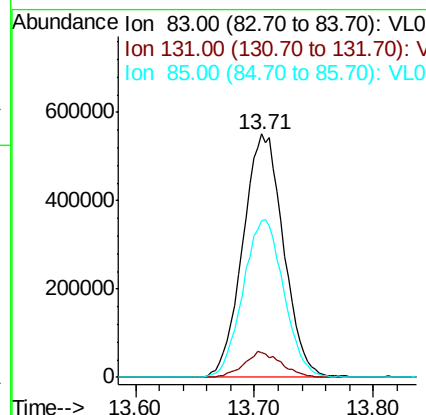
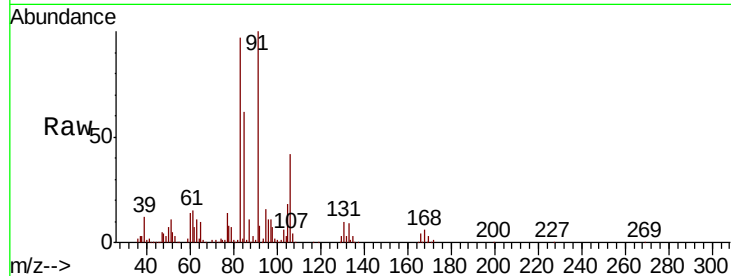
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.336 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	1304053
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.7	14.0
85	65.2	32.9	98.7

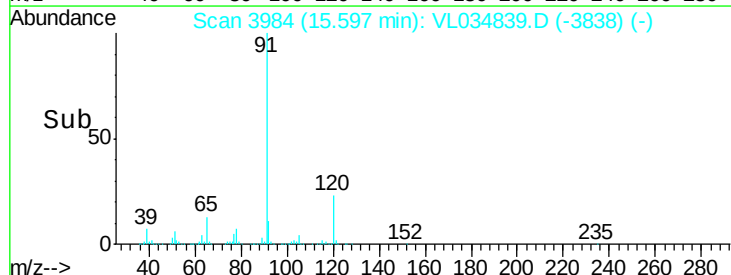
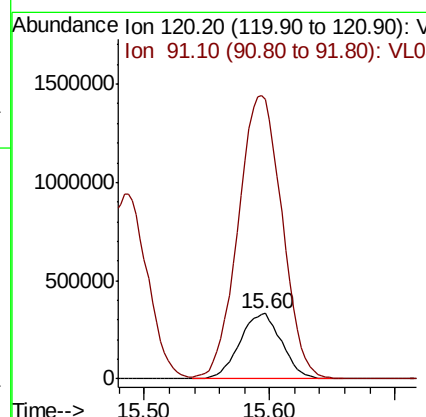
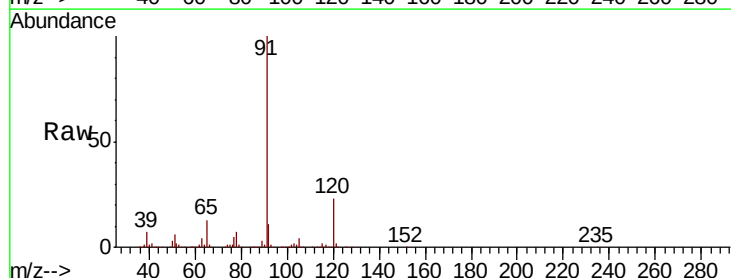
Manual Integrations
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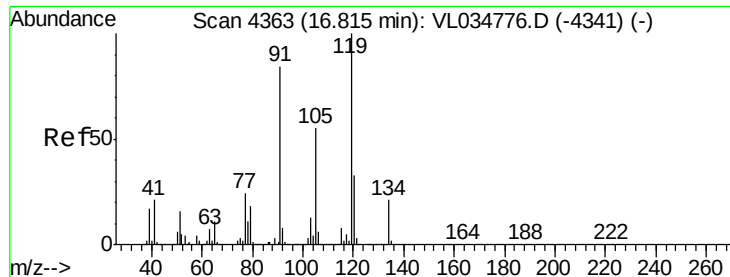
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.307 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	120	Resp	774480
Ion Ratio	100	Lower	Upper
120	100		
91	453.6	379.4	569.2





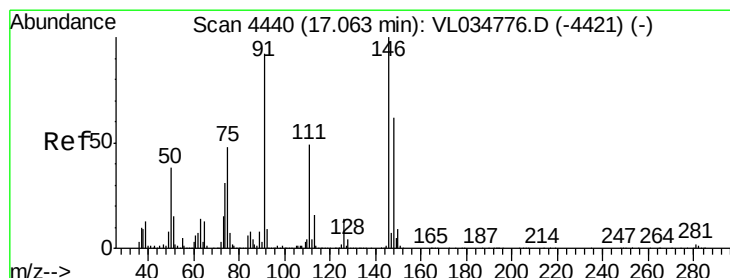
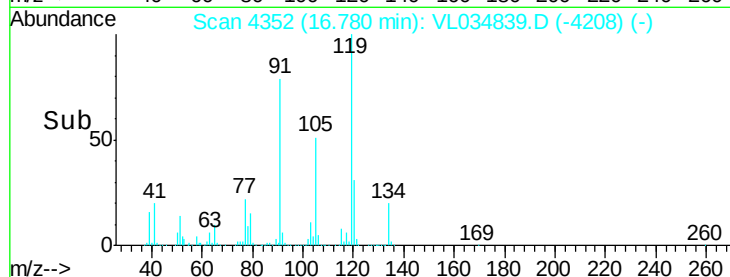
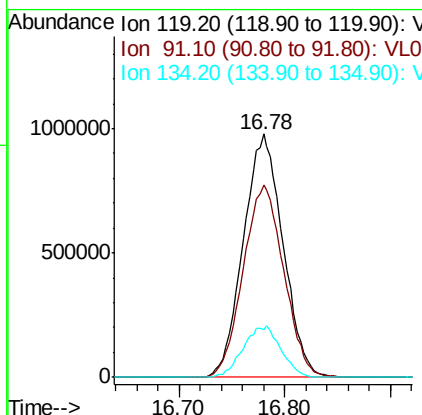
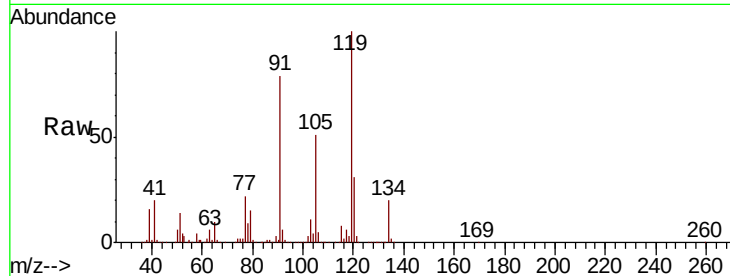
#65
 tert-Butylbenzene
 Concen: 9.121 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	81.1	69.8	104.6
134	20.0	15.9	23.9

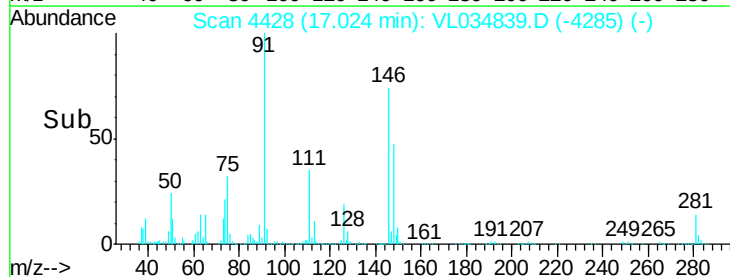
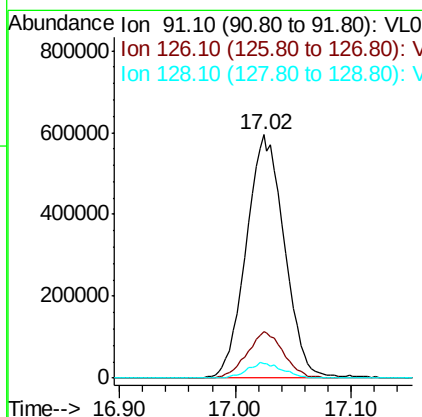
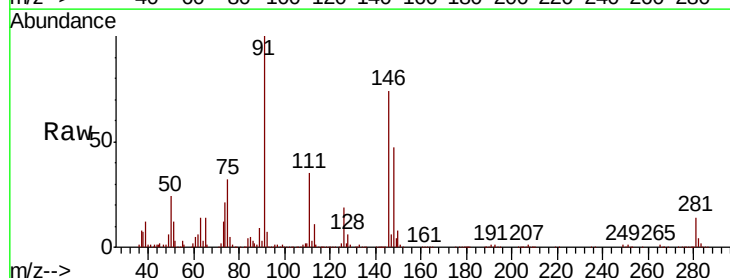
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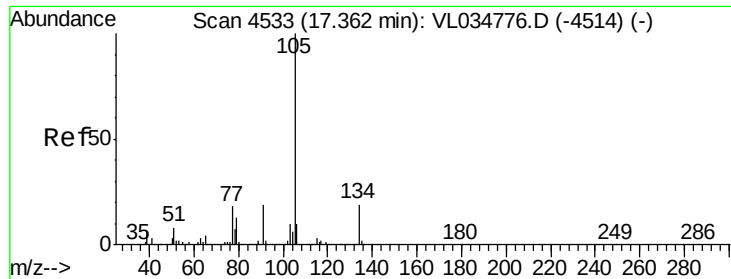
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#66
 Benzyl Chloride
 Concen: 14.956 ppbv
 RT: 17.02 min Scan# 4428
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.5	12.6	18.8
128	5.8	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.827 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3607438

Ion Ratio Lower Upper

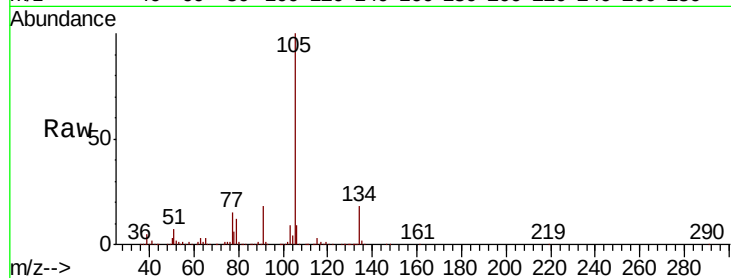
105 100

134 18.2 14.7 22.1

Manual Integrations
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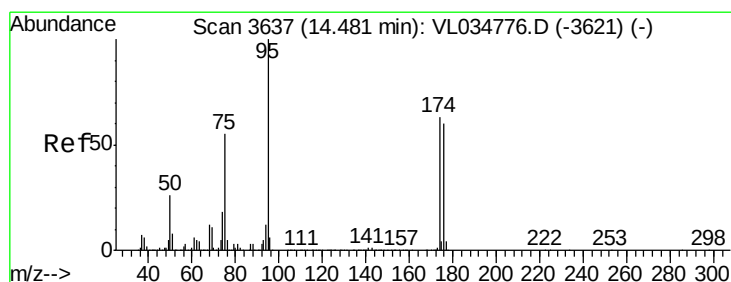
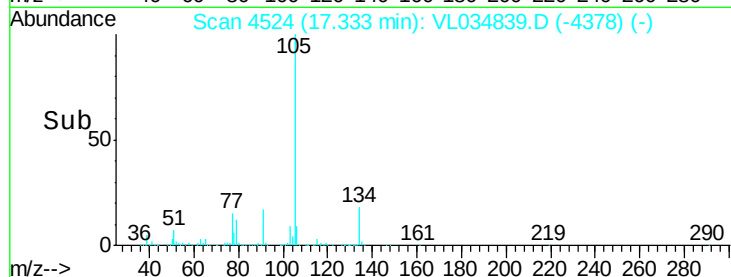
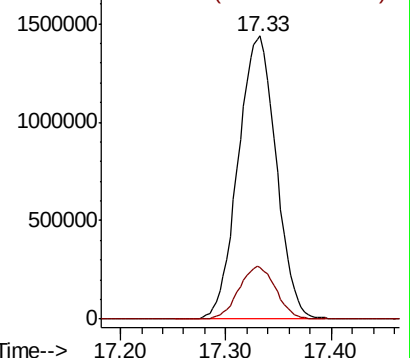
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.022 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

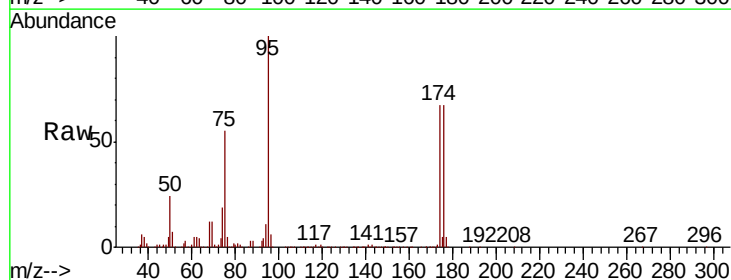
Tgt Ion: 95 Resp: 1571674

Ion Ratio Lower Upper

95 100

174 68.1 50.6 76.0

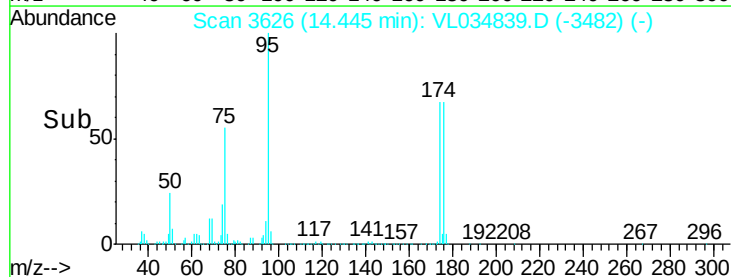
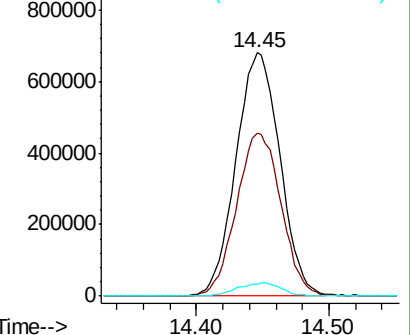
175 5.4 3.8 5.6

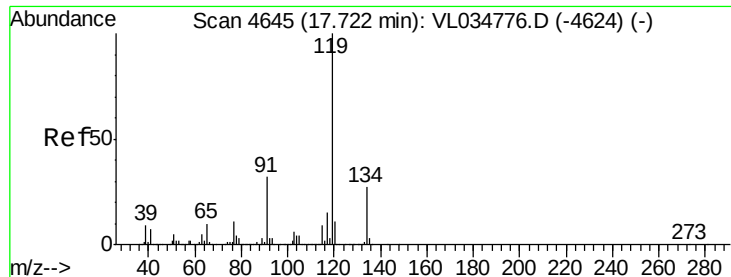


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





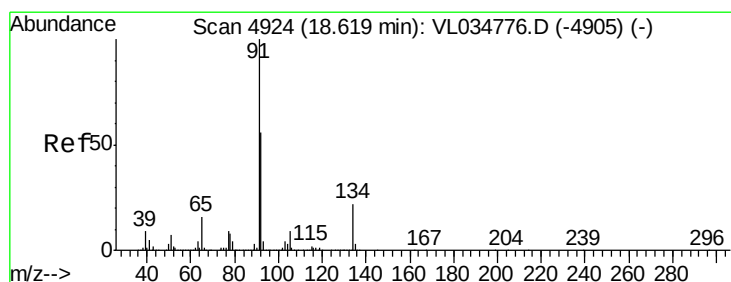
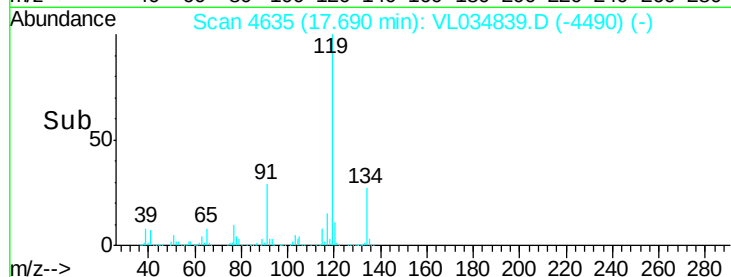
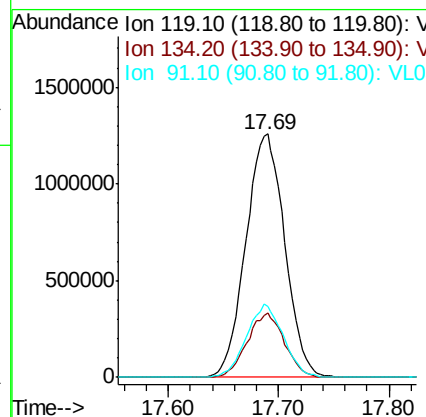
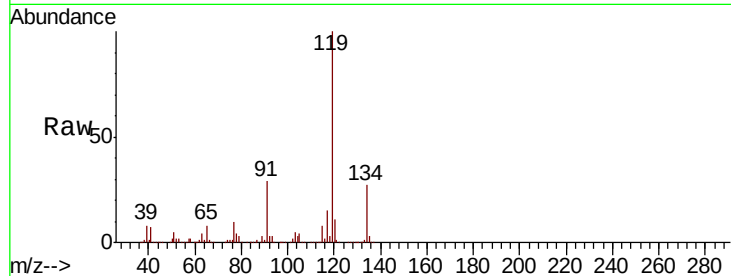
#69
 p-Isopropyltoluene
 Concen: 9.277 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	28.7	25.3	37.9

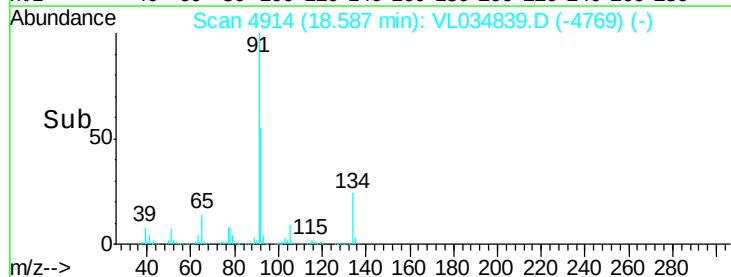
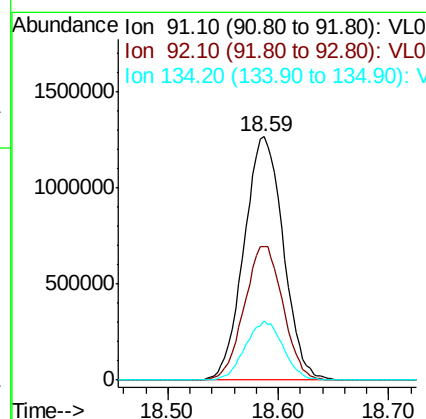
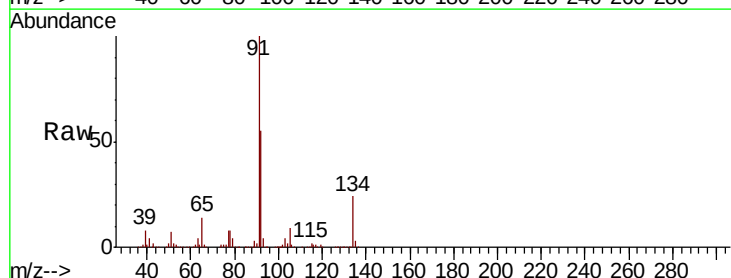
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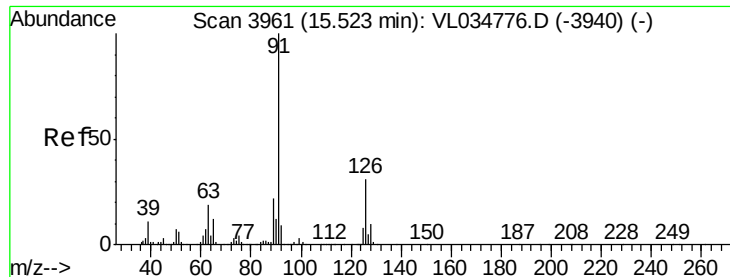
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#70
 n-Butylbenzene
 Concen: 8.636 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	23.6	17.7	26.5





#71

2-Chlorotoluene

Concen: 8.868 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 2222909

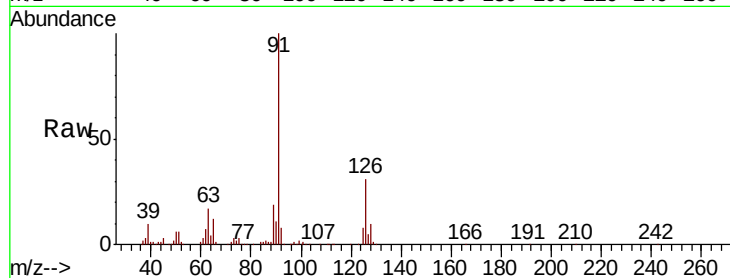
Ion Ratio Lower Upper

91 100

126 30.8 11.7 46.7

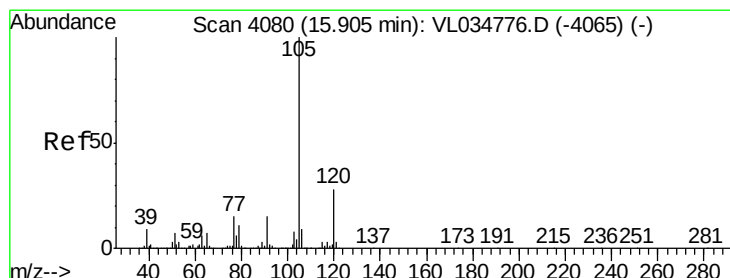
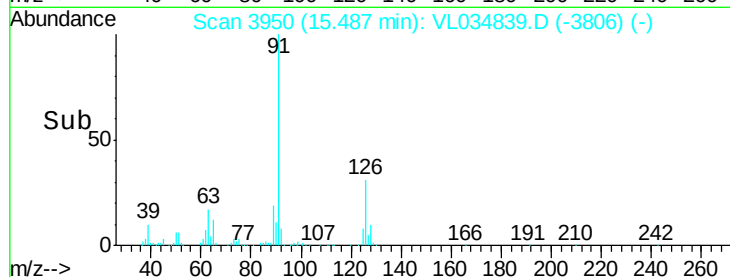
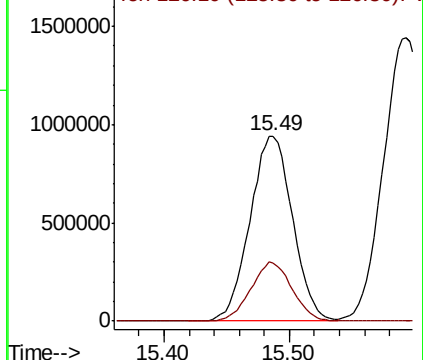
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.416 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion: 105 Resp: 2363988

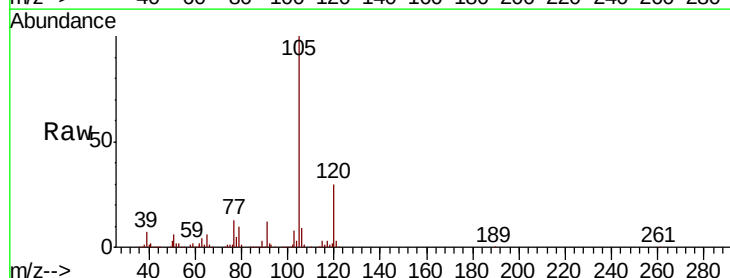
Ion Ratio Lower Upper

105 100

120 29.5 23.0 34.6

91 13.4 11.1 16.7

77 13.7 12.2 18.4

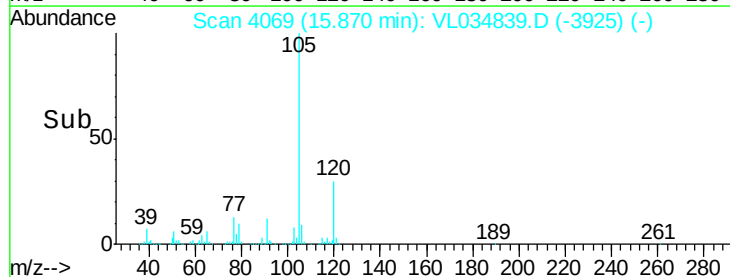
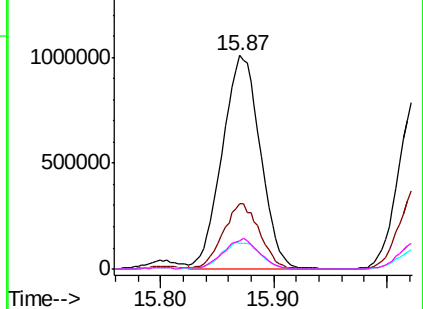


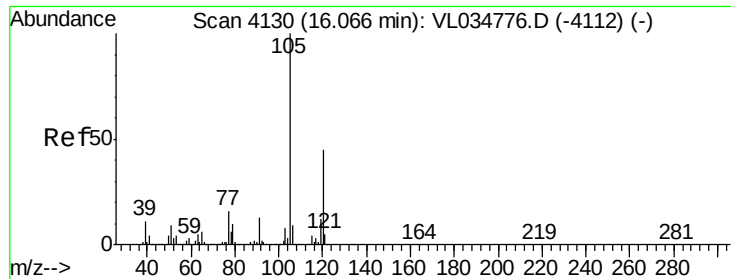
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.180 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 2210864

Ion Ratio Lower Upper

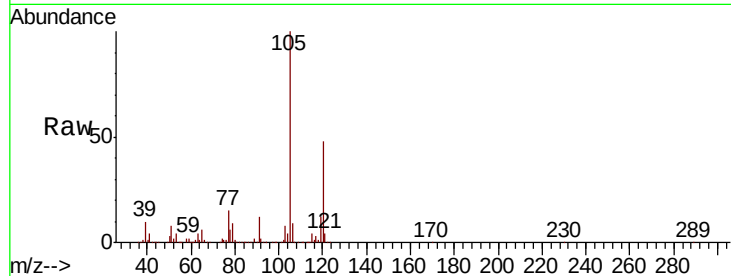
105 100

120 48.2 35.6 53.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

1000000

800000

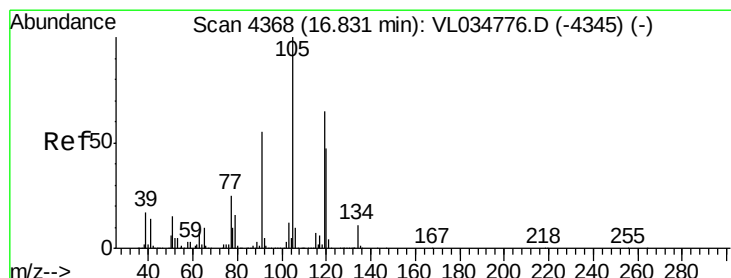
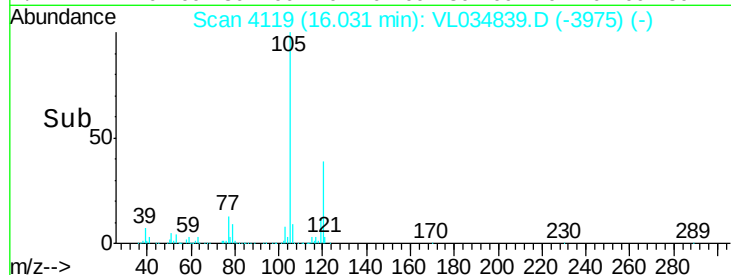
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.675 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Tgt Ion:105 Resp: 2270990

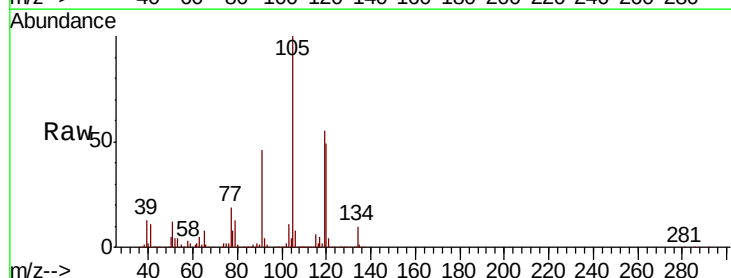
Ion Ratio Lower Upper

105 100

120 48.3 37.8 56.6

91 45.2 43.8 65.8

77 19.3 19.9 29.9#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

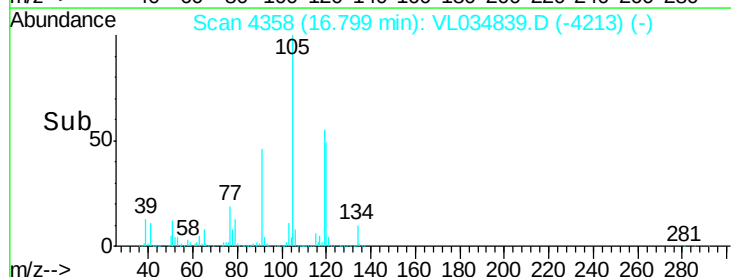
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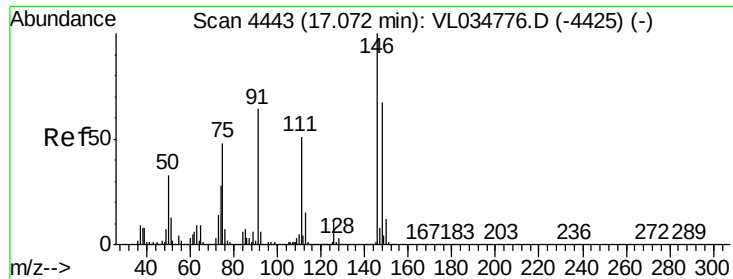
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500000

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Time-->





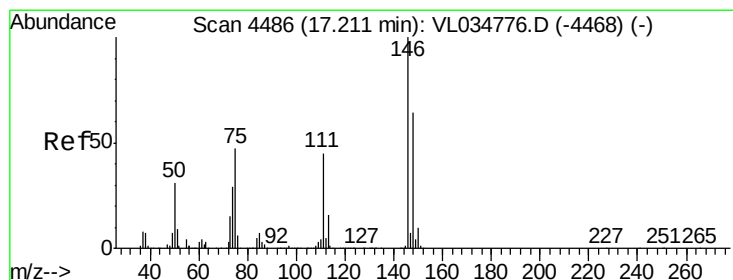
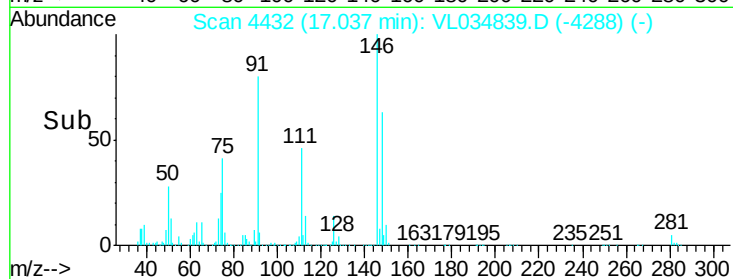
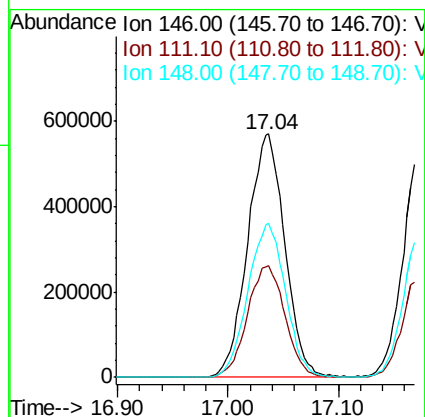
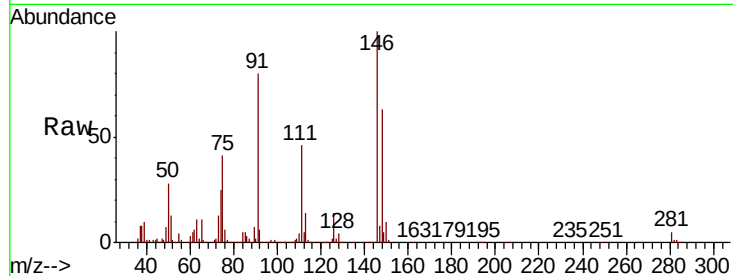
#75
 1,3-Dichlorobenzene
 Concen: 8.618 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	24.7	74.1
148	64.1	31.8	95.4

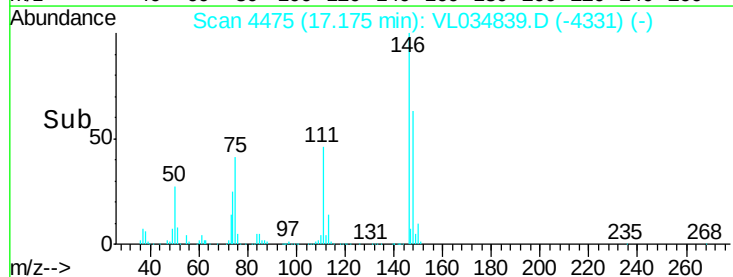
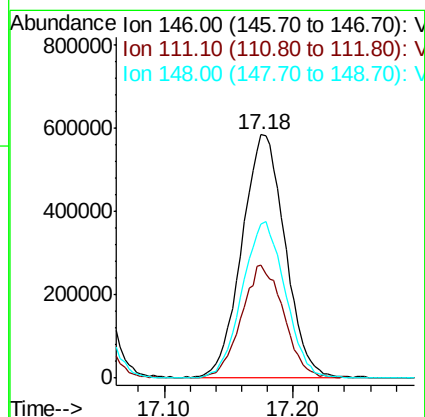
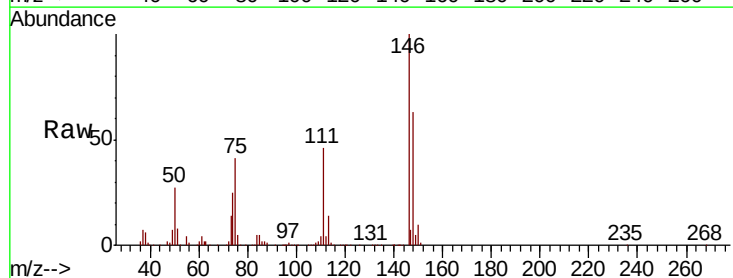
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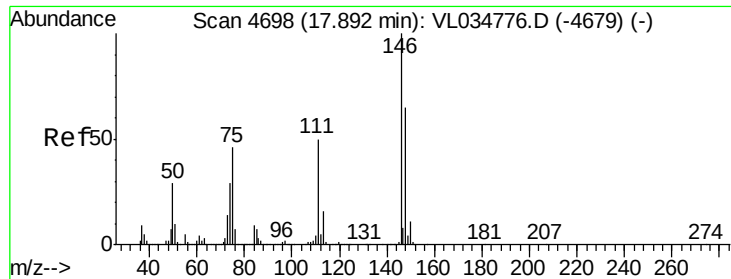
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#76
 1,4-Dichlorobenzene
 Concen: 9.133 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.5	70.5
148	65.0	32.2	96.6





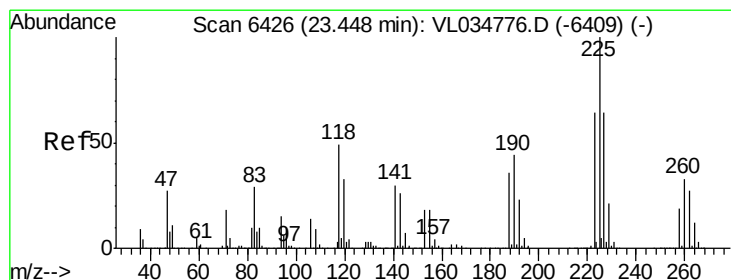
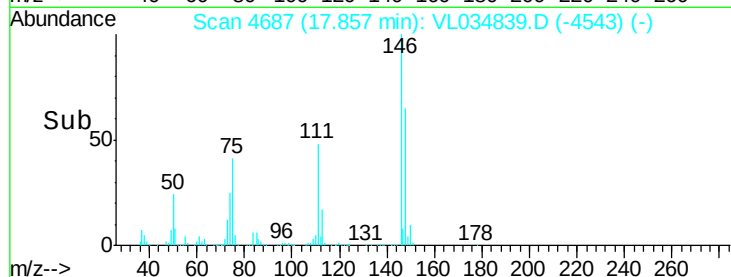
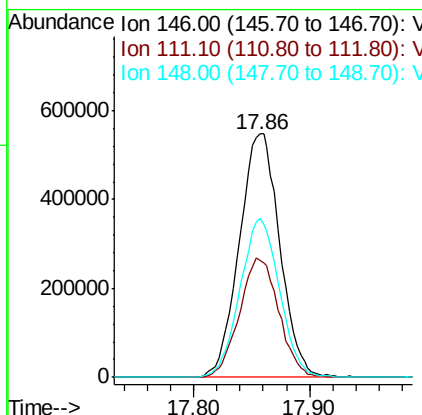
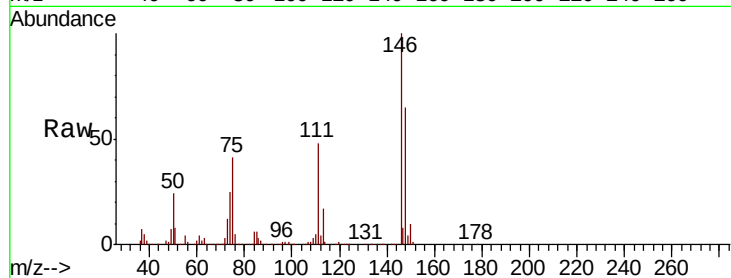
#77
 1,2-Dichlorobenzene
 Concen: 8.971 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.04 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	25.3	75.8
148	63.7	32.3	96.9

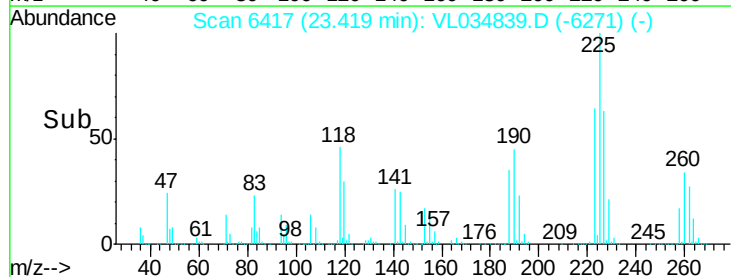
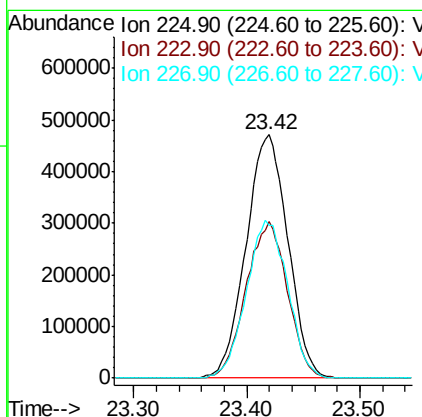
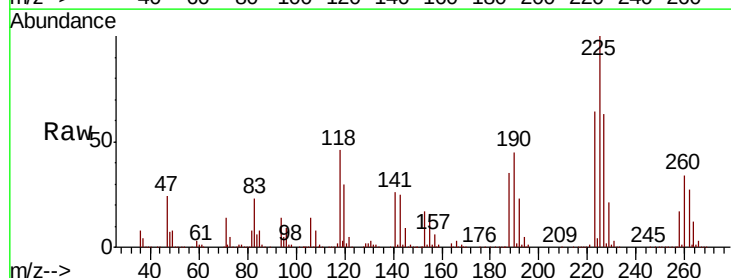
Manual Integrations
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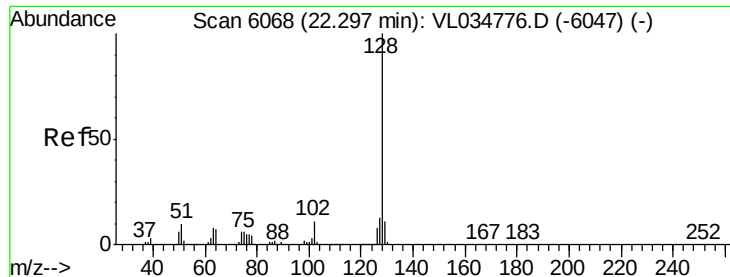
MMDadoda
 3/9/2020 9:21:51 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.788 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.03 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.3	76.9
227	64.1	51.9	77.9





#79

Naphthalene

Concen: 12.080 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.04 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 2376712

Ion Ratio Lower Upper

128 100

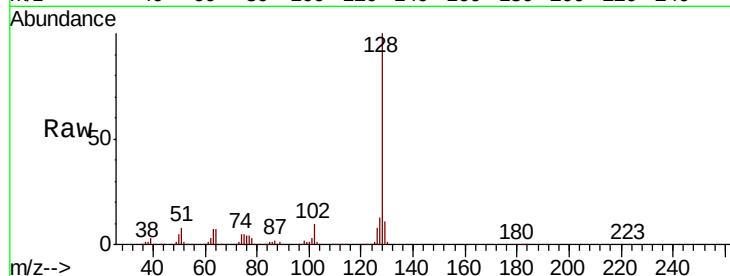
127 13.3 10.2 15.4

129 11.2 9.0 13.6

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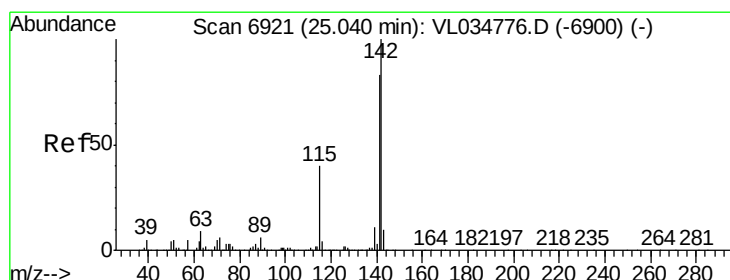
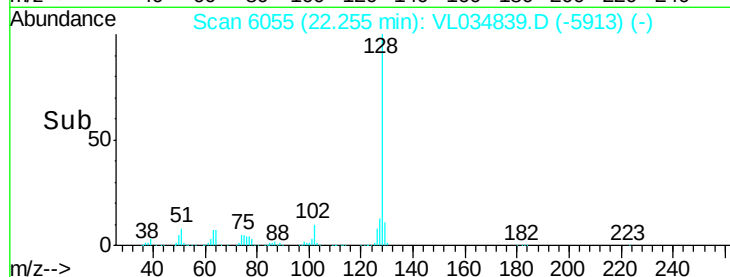
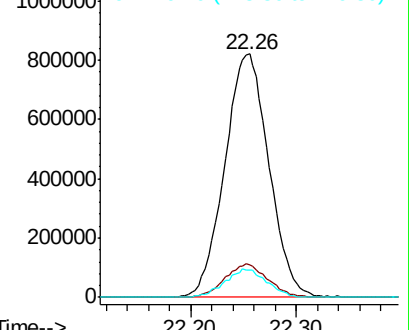
3/9/2020 9:21:51 AM



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 17.963 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.03 min

Lab File: VL034839.D

Acq: 7 Mar 2020 10:24

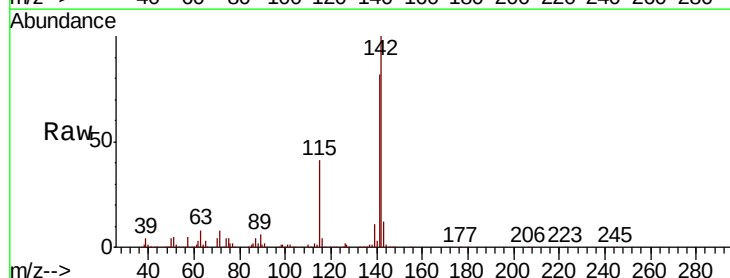
Tgt Ion:142 Resp: 844086

Ion Ratio Lower Upper

142 100

141 85.3 67.7 101.5

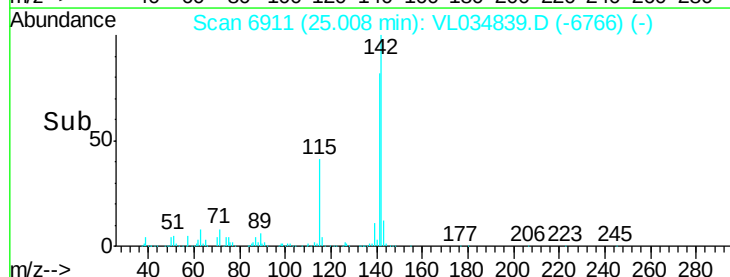
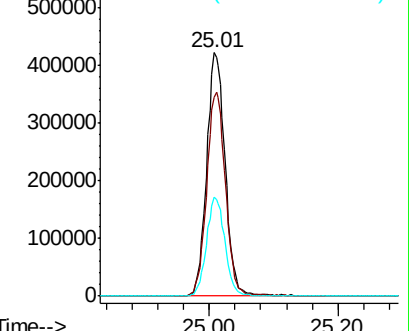
115 40.4 30.7 46.1

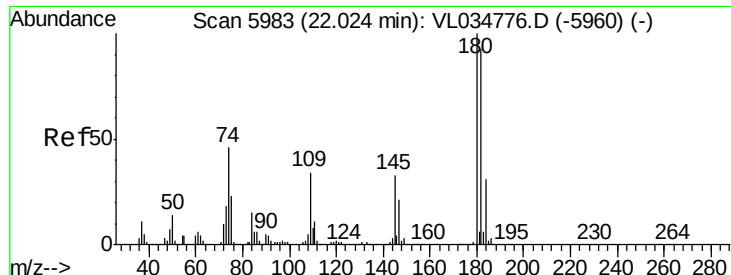


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.027 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.05 min
 Lab File: VL034839.D
 Acq: 7 Mar 2020 10:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.8	115.2#
184	30.9	24.8	37.2

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MMDadoda
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