

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034819.D
 Acq On : 6 Mar 2020 15:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:23 AM

Quant Time: Mar 06 18:51:41 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	5.67	49	879506	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.20	114	2038779	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.13	117	2077980m	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1597551	9.22	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	925697	6.450	ppbv	100
3) Chlorodifluoromethane	2.95	51	849649	8.479	ppbv	97
4) Chloromethane	3.11	50	507960	9.412	ppbv	99
5) Vinyl Chloride	3.23	62	468909	8.224	ppbv	100
6) Bromomethane	3.45	94	269734	8.668	ppbv	98
7) Chloroethane	3.53	64	171363	8.692	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1025795	8.227	ppbv	91
9) Propene	2.98	41	432624	10.969	ppbv	99
10) Heptane	8.14	43	1092580	10.900	ppbv	95
11) Trichlorofluoromethane	3.93	101	1050213	8.177	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	751140	8.476	ppbv	91
13) Ethanol	3.58	45	114484	8.472	ppbv	100
14) Bromoethene	3.72	108	337871	9.292	ppbv	97
15) Acetone	3.83	43	937301	8.900	ppbv	99
16) 1,3-Butadiene	3.30	39	455841	9.566	ppbv	99
17) tert-Butyl alcohol	4.28	59	1056605	12.723	ppbv	99
18) 1,1-Dichloroethene	4.28	96	350108	8.958	ppbv	95
19) Isopropyl Alcohol	3.95	45	683658	10.834	ppbv	# 1
20) Methylene Chloride	4.33	84	302313	8.043	ppbv	99
21) Allyl Chloride	4.40	41	653325	9.796	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	353099	9.255	ppbv	98
23) Vinyl Acetate	5.07	43	1580457	11.191	ppbv	99
24) 1,1-Dichloroethane	5.01	63	962784	8.783	ppbv	99
25) Ethyl Acetate	5.68	43	1778804	9.774	ppbv	100
26) Hexane	5.69	57	774193	9.737	ppbv	97
27) Carbon Disulfide	4.54	76	934741	10.064	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1286971	10.875	ppbv	99
29) Chloroform	5.76	83	1110948	8.301	ppbv	98
30) Cyclohexane	7.15	84	670607	11.025	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	793345	9.728	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1116998	8.446	ppbv	97
34) 2-Butanone	5.24	43	1219029	9.191	ppbv	99
35) Carbon Tetrachloride	7.03	117	1167731	7.591	ppbv	96
36) Benzene	6.91	78	1589767	9.125	ppbv	98
37) 1,2-Dichloroethane	6.32	62	867118	7.287	ppbv	97
38) Trichloroethene	7.86	130	614140	9.045	ppbv	93
39) 1,2-Dichloropropane	7.64	63	634977	9.031	ppbv	93
40) 1,4-Dioxane	7.85	88	217472	8.943	ppbv	# 97
41) Tetrahydrofuran	6.05	42	708720	10.472	ppbv	94
42) Bromodichloromethane	7.82	83	1230693	8.174	ppbv	99
43) Methyl Methacrylate	8.04	69	707254	9.580	ppbv	96

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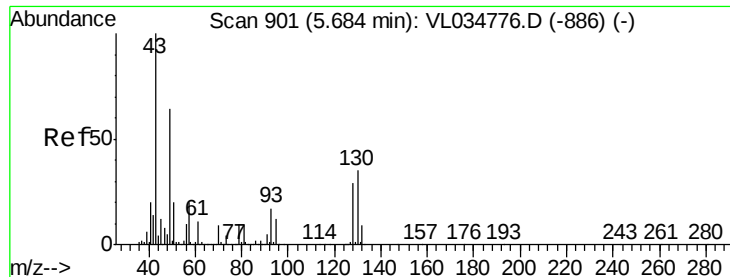
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	2723835	8.947	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	882542	11.387	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1020720	10.786	ppbv	94
47) 1,1,2-Trichloroethane	9.51	97	628958	8.473	ppbv	95
48) Dibromochloromethane	10.34	129	1088992	9.382	ppbv	99
49) Bromoform	13.09	173	976810	9.644	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	1756012	9.240	ppbv	99
51) 2-Hexanone	10.17	43	1469203	9.855	ppbv #	99
52) Tetrachloroethene	11.26	164	593229	9.217	ppbv	98
53) Toluene	9.84	91	1841121	9.985	ppbv	99
54) 1,2-Dibromoethane	10.65	107	957935	8.728	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	808185	8.778	ppbv #	61
57) Chlorobenzene	12.19	112	1336134	8.417	ppbv	98
58) Ethyl Benzene	12.75	91	2406404	9.397	ppbv	93
59) m/p-Xylene	13.01	91	3898713m	17.588	ppbv	
60) o-Xylene	13.74	91	1854023	8.266	ppbv	96
61) Styrene	13.57	104	1457730	10.477	ppbv	96
62) Isopropylbenzene	14.71	105	2867377	8.686	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1248982	7.064	ppbv	99
64) n-propylbenzene	15.61	120	760205	9.185	ppbv	91
65) tert-Butylbenzene	16.79	119	2498526	8.957	ppbv	93
66) Benzyl Chloride	17.04	91	1368632	15.175	ppbv	94
67) sec-Butylbenzene	17.35	105	3497788	8.605	ppbv	99
69) p-Isopropyltoluene	17.71	119	3001422	9.124	ppbv	97
70) n-Butylbenzene	18.60	91	3039560	8.450	ppbv	98
71) 2-Chlorotoluene	15.50	91	2137143	8.572	ppbv	95
72) 4-Ethyltoluene	15.89	105	2322569	9.301	ppbv	98
73) 1,3,5-Trimethylbenzene	16.05	105	2143252	8.948	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	2179211	8.369	ppbv	93
75) 1,3-Dichlorobenzene	17.05	146	1318252	8.552	ppbv	98
76) 1,4-Dichlorobenzene	17.19	146	1333662	9.042	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1303878	8.842	ppbv	97
78) Hexachloro-1,3-Butadiene	23.43	225	1158420	9.413	ppbv	99
79) Naphthalene	22.27	128	2404306	12.287	ppbv	97
80) Naphthalene, 2-methyl-	25.03	142	683184	14.617	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1390609	11.242	ppbv	100

(#) = 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

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MSVOA_L

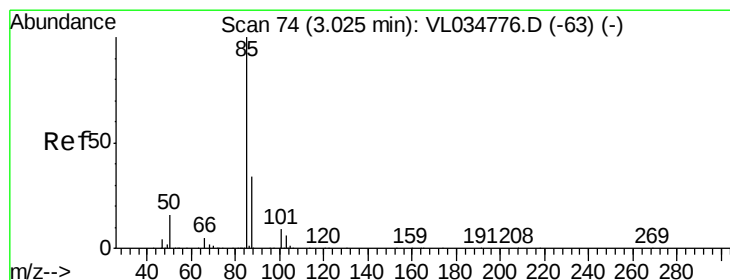
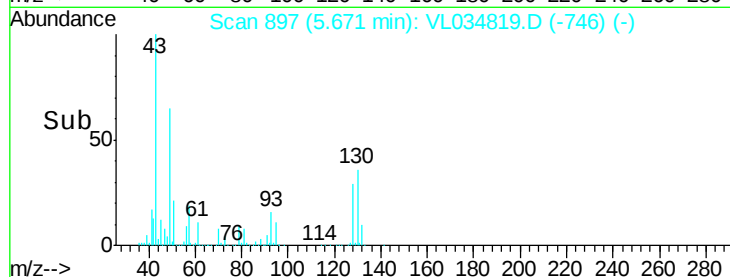
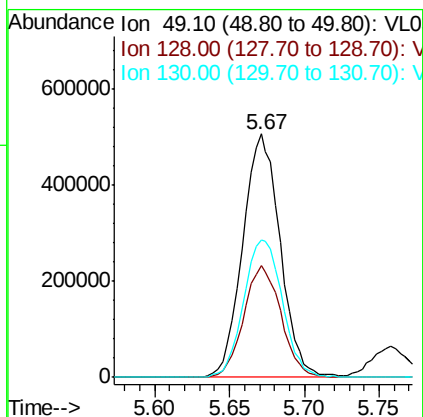
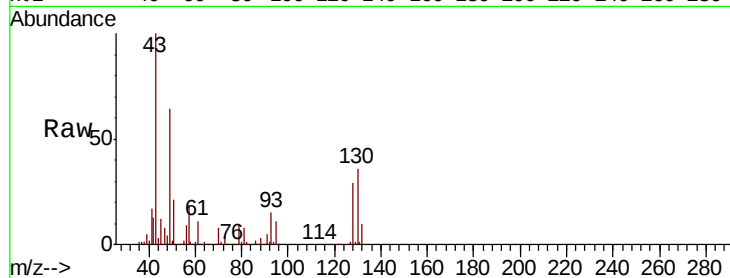
ClientSampleId :

VSTDCCC010

Tot Ion:	49	Resp:	879506
Ion	Ratio	Lower	Upper
49	100		
128	45.7	21.6	64.6
130	59.0	27.4	82.2

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#2

Dichlorodifluoromethane

Concen: 6.450 ppbv

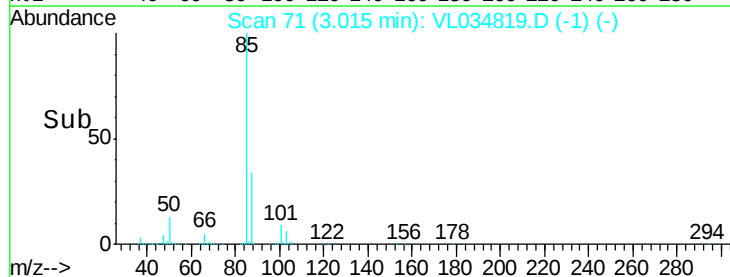
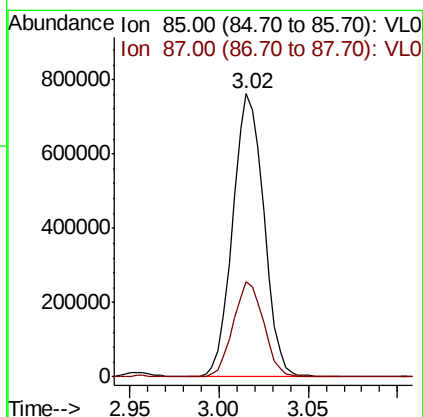
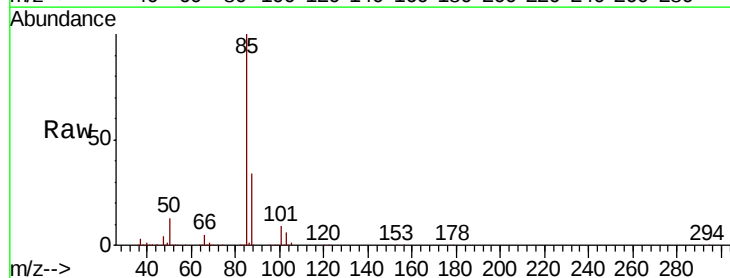
RT: 3.02 min Scan# 71

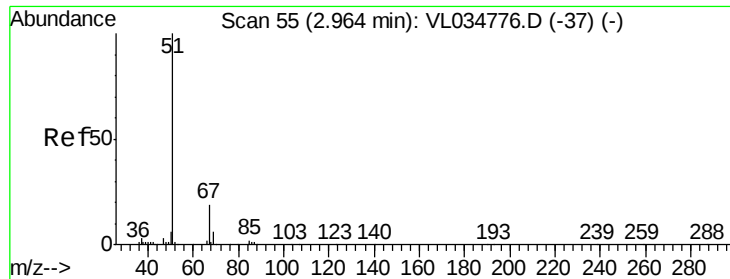
Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion:	85	Resp:	925697
Ion	Ratio	Lower	Upper
85	100		
87	33.8	27.2	40.8





#3

Chlorodifluoromethane

Concen: 8.479 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 849649

Ion Ratio Lower Upper

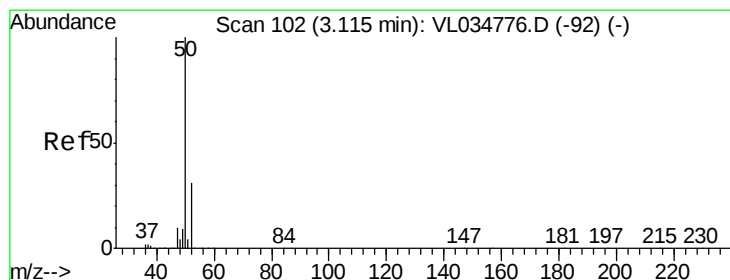
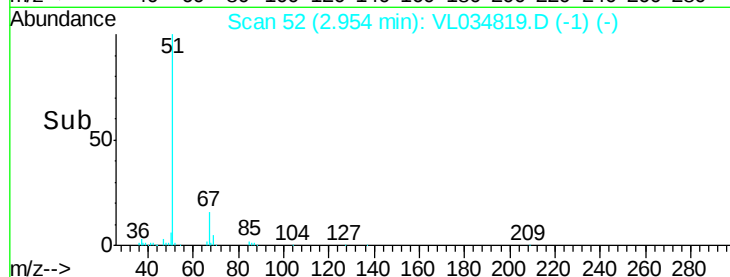
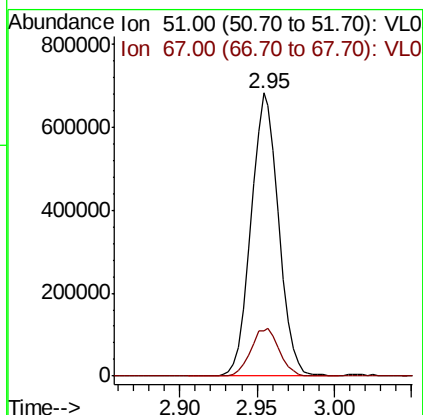
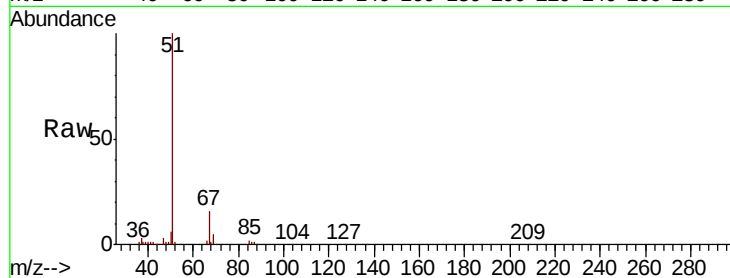
51 100

67 17.5 15.3 22.9

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#4

Chloromethane

Concen: 9.412 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.00 min

Lab File: VL034819.D

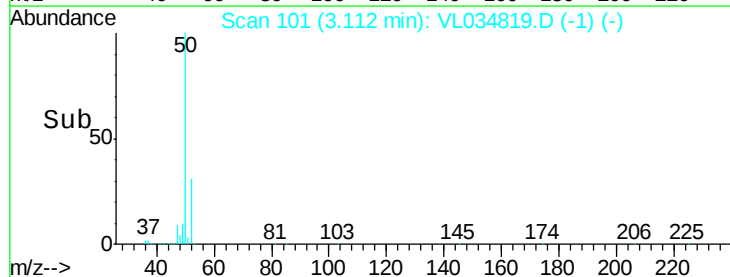
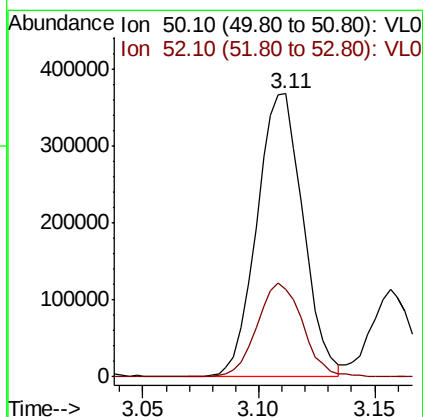
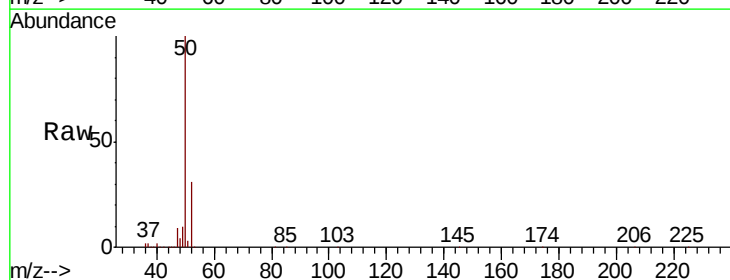
Acq: 6 Mar 2020 15:57

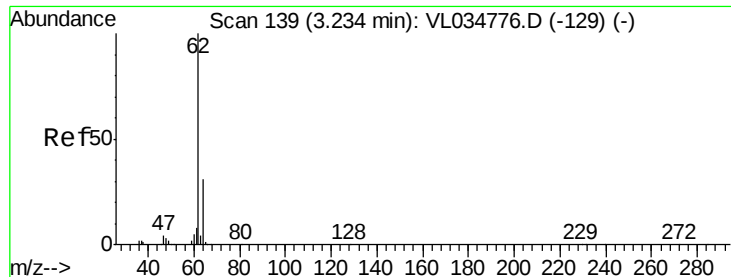
Tgt Ion: 50 Resp: 507960

Ion Ratio Lower Upper

50 100

52 30.9 25.0 37.4





#5

Vinyl Chloride

Concen: 8.224 ppbv

RT: 3.23 min Scan# 137

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 468909

Ion Ratio Lower Upper

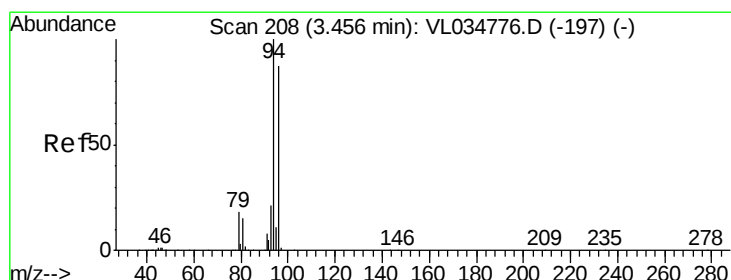
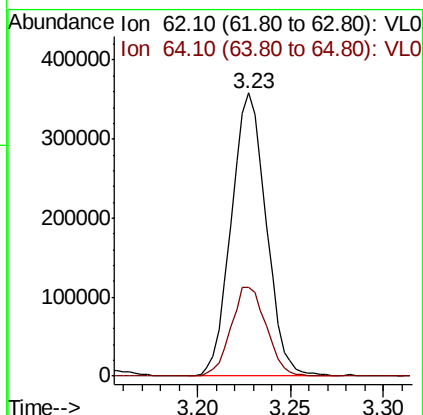
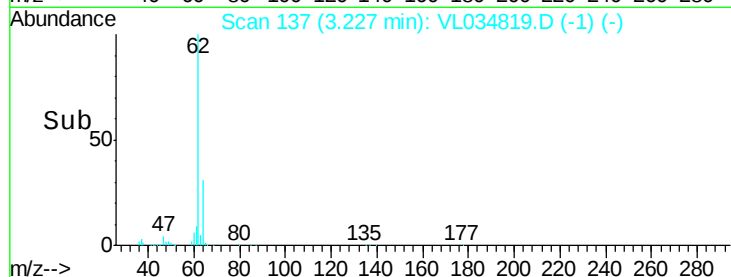
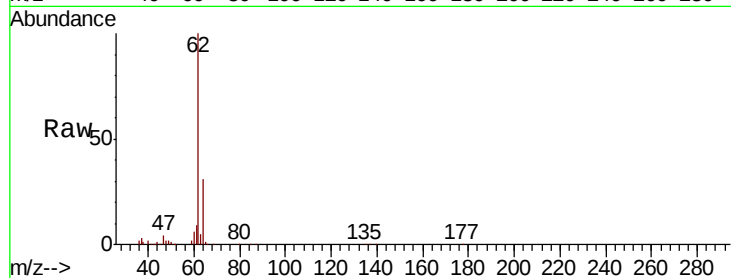
62 100

64 31.4 25.1 37.7

Manual Integrations
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#6

Bromomethane

Concen: 8.668 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL034819.D

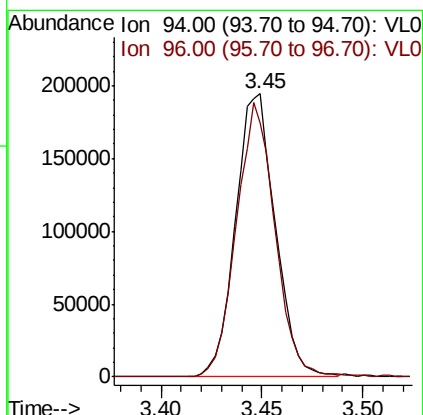
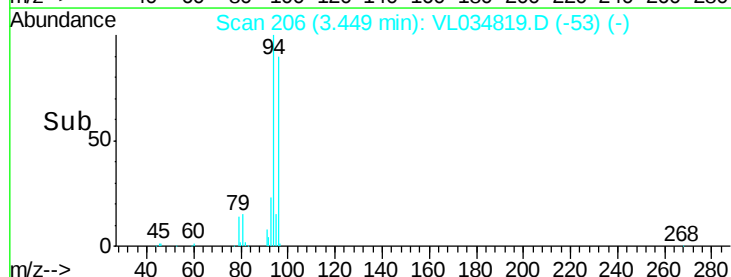
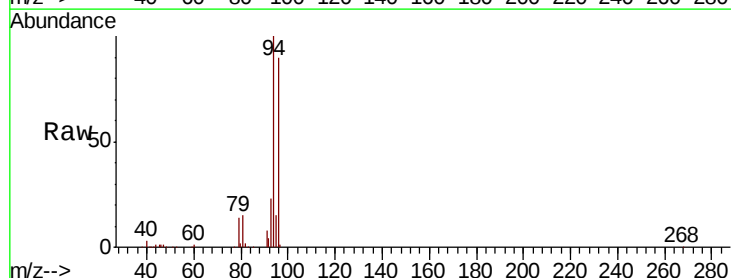
Acq: 6 Mar 2020 15:57

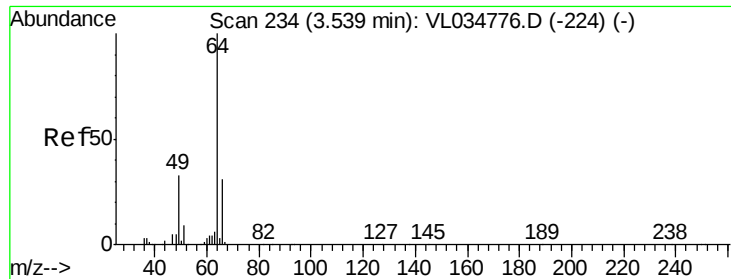
Tgt Ion: 94 Resp: 269734

Ion Ratio Lower Upper

94 100

96 89.8 70.0 105.0





#7

Chloroethane

Concen: 8.692 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 171363

Ion Ratio Lower Upper

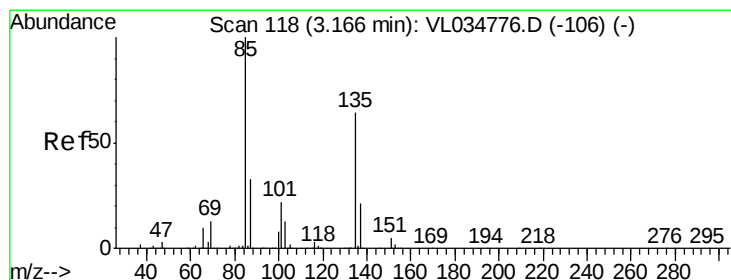
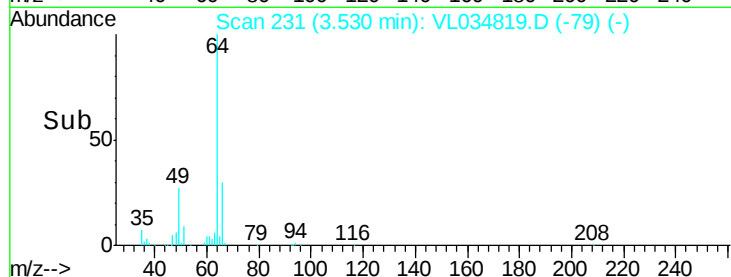
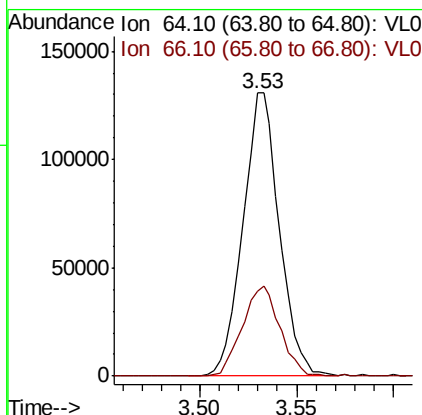
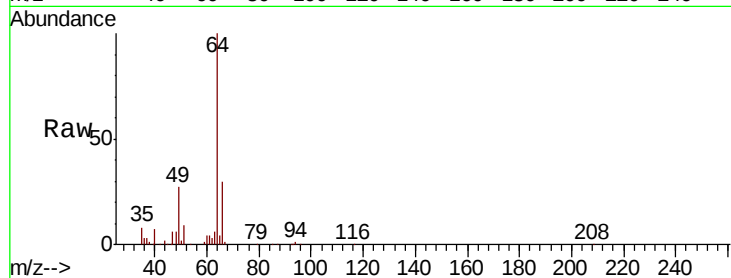
64 100

66 30.0 24.8 37.2

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#8

Dichlorotetrafluoroethane

Concen: 8.227 ppbv

RT: 3.16 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL034819.D

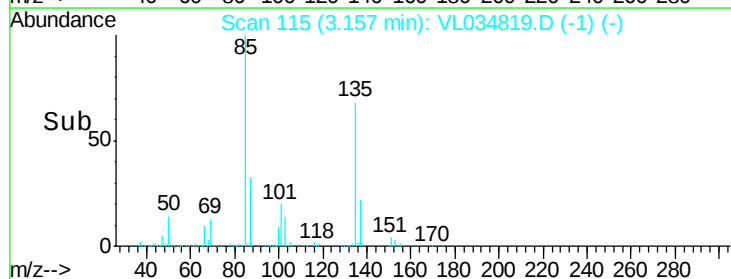
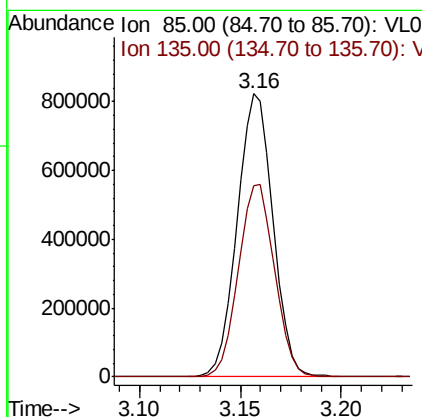
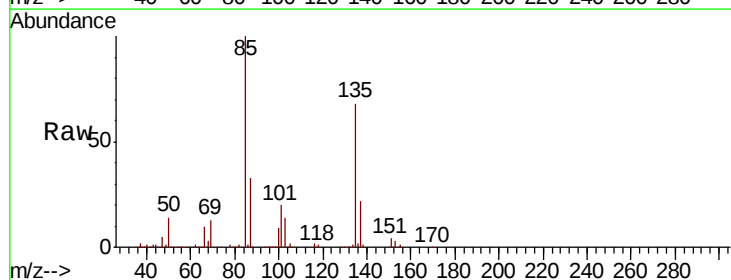
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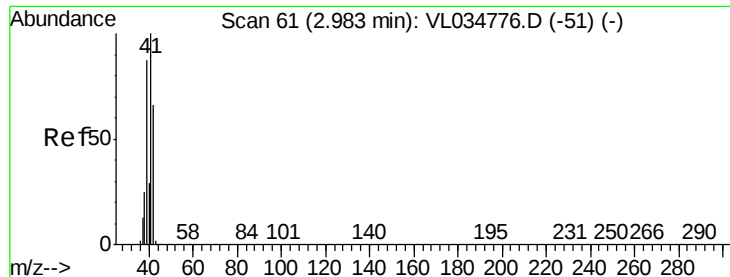
Tgt Ion: 85 Resp: 1025795

Ion Ratio Lower Upper

85 100

135 69.0 49.4 74.2





#9

Propene

Concen: 10.969 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 432624

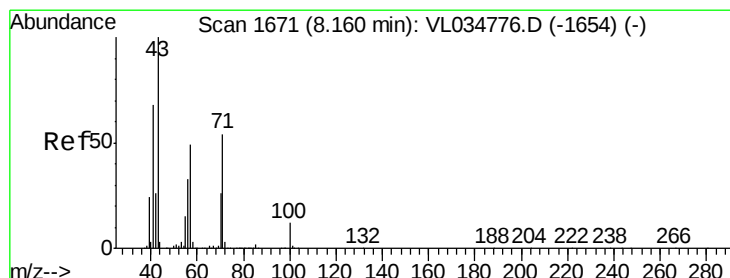
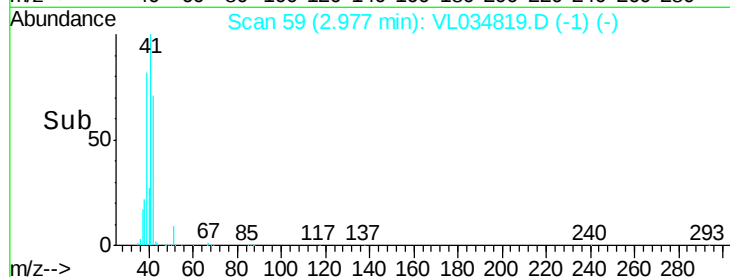
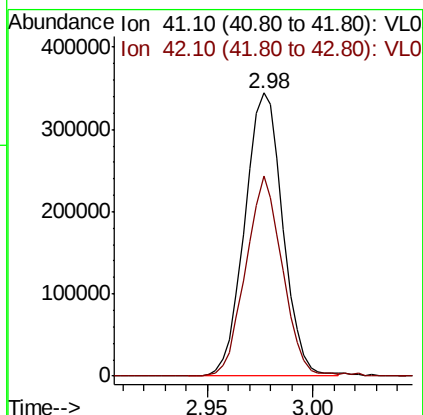
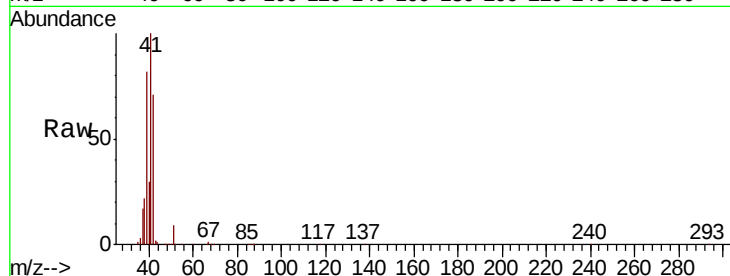
Ion Ratio Lower Upper

41 100

42 68.5 55.6 83.4

Manual Integrations
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#10

Heptane

Concen: 10.900 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. -0.02 min

Lab File: VL034819.D

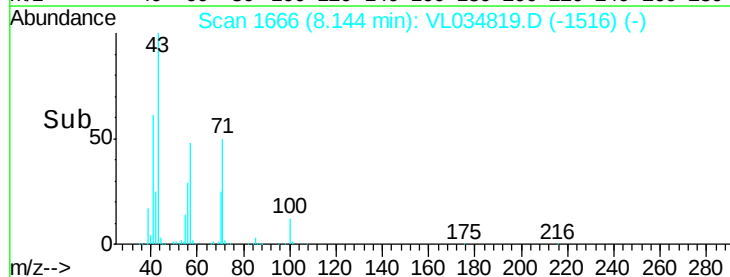
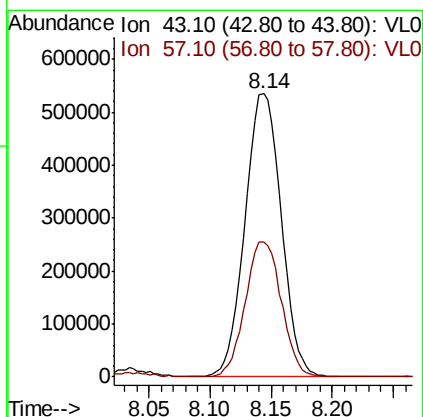
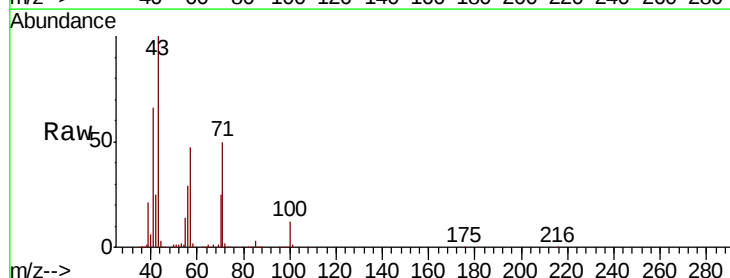
Acq: 6 Mar 2020 15:57

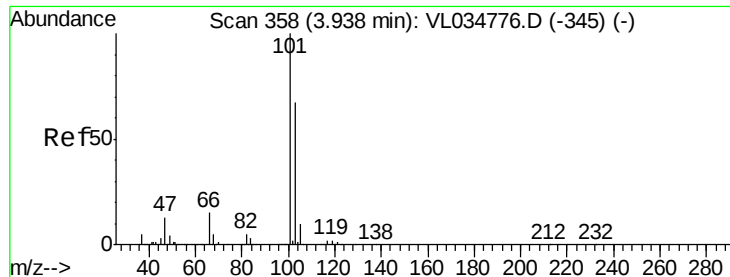
Tgt Ion: 43 Resp: 1092580

Ion Ratio Lower Upper

43 100

57 47.4 40.5 60.7





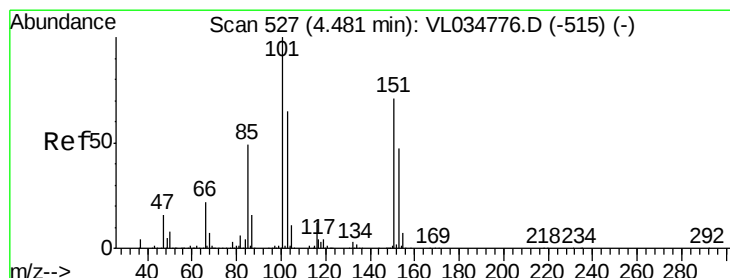
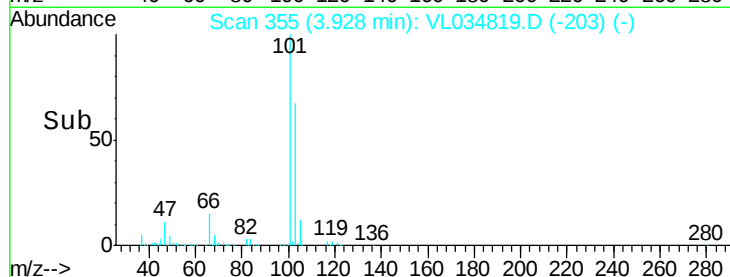
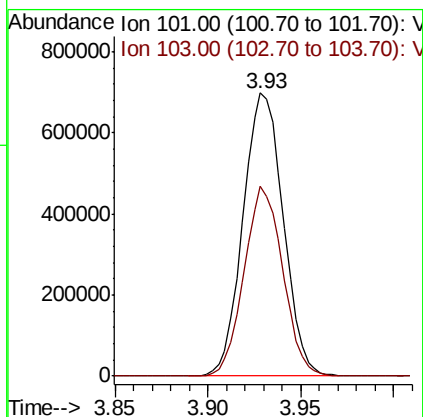
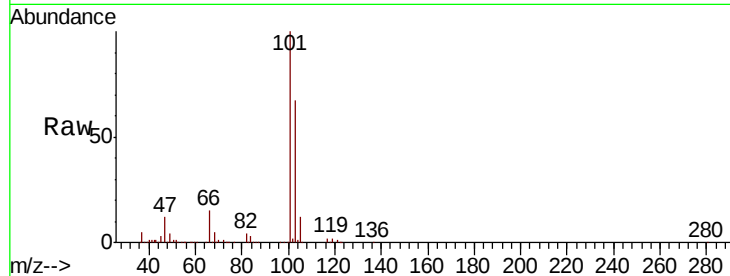
#11
 Trichlorofluoromethane
 Concen: 8.177 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1050213
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.6 80.4

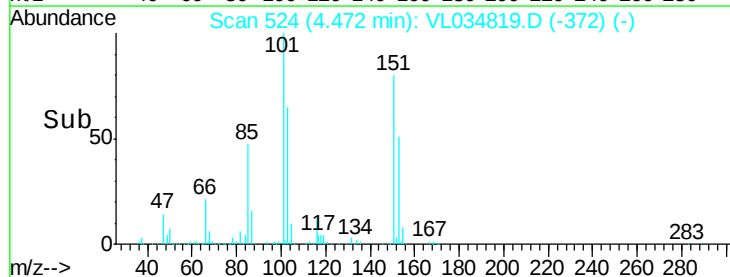
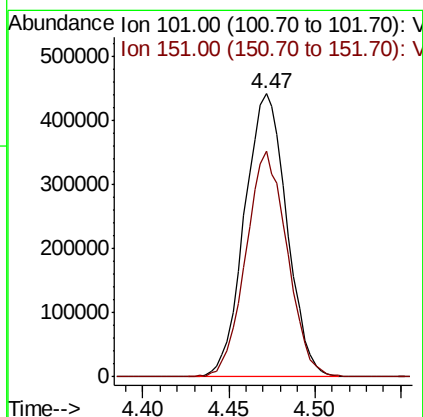
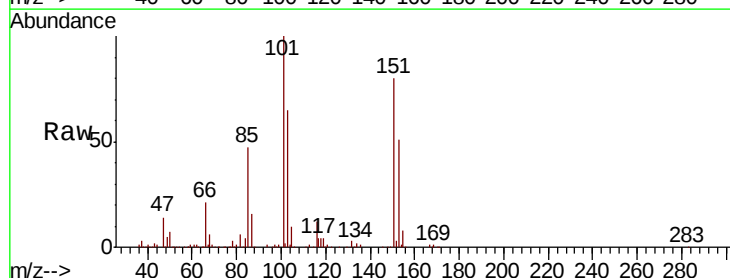
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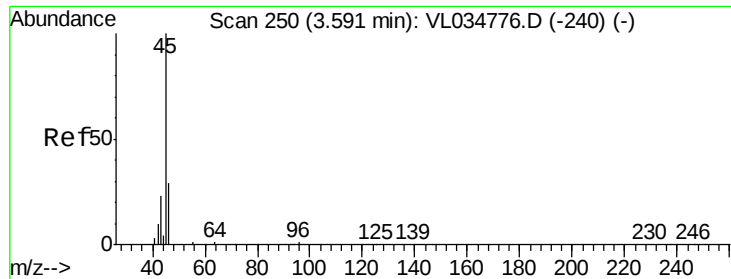
MMDadoda
 3/9/2020 9:20:23 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.476 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion:101 Resp: 751140
 Ion Ratio Lower Upper
 101 100
 151 78.2 56.6 85.0





#13

Ethanol

Concen: 8.472 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 114484

Ion Ratio Lower Upper

45 100

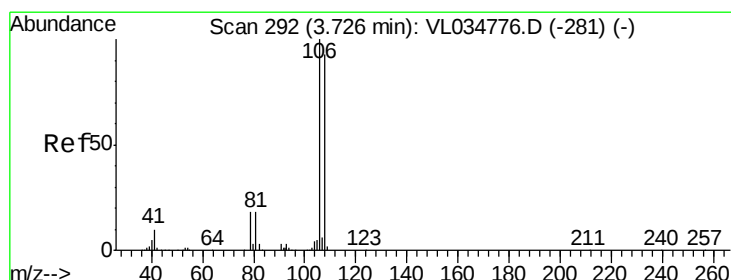
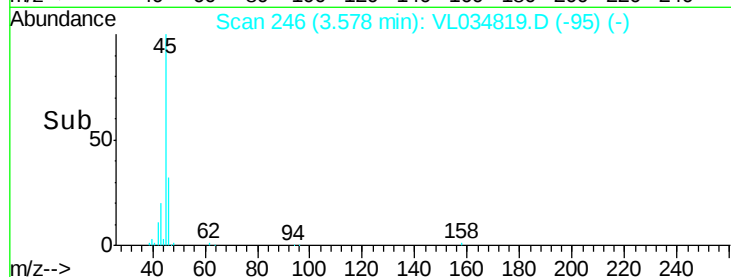
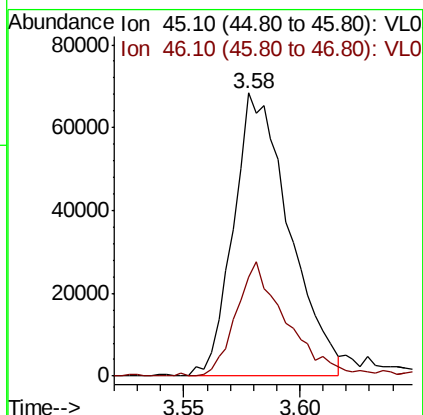
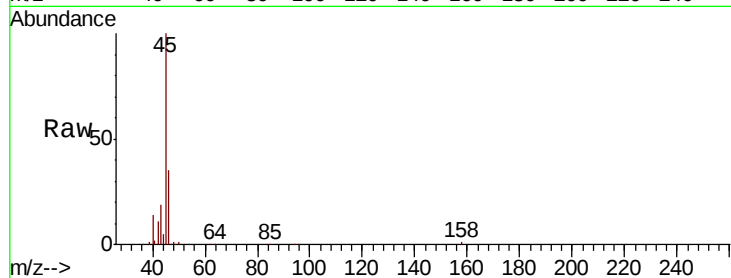
46 37.0 14.7 58.9

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#14

Bromoethene

Concen: 9.292 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

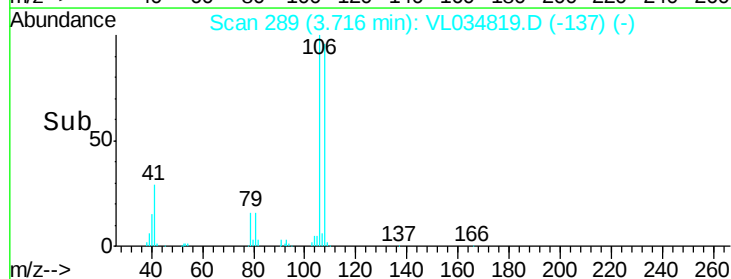
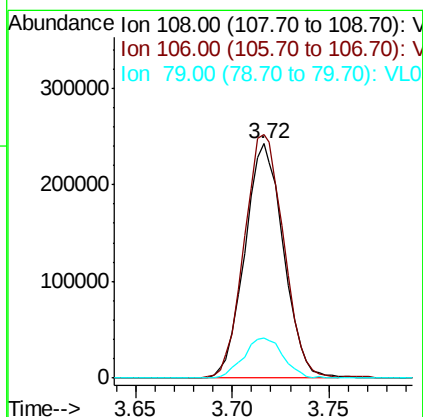
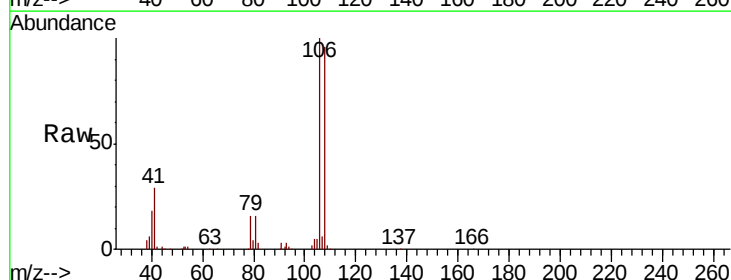
Tgt Ion: 108 Resp: 337871

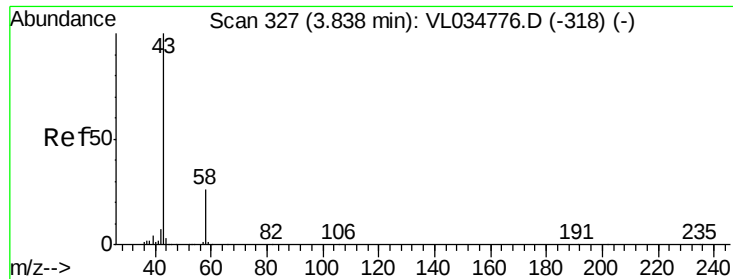
Ion Ratio Lower Upper

108 100

106 106.8 83.5 125.3

79 17.8 15.6 23.4





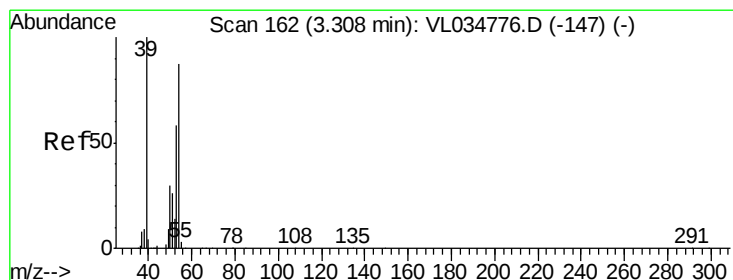
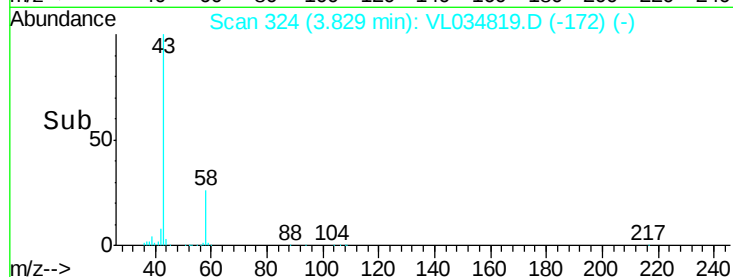
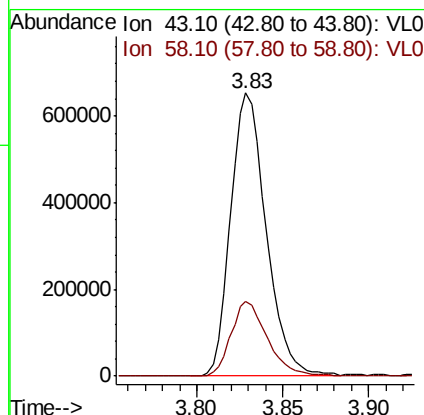
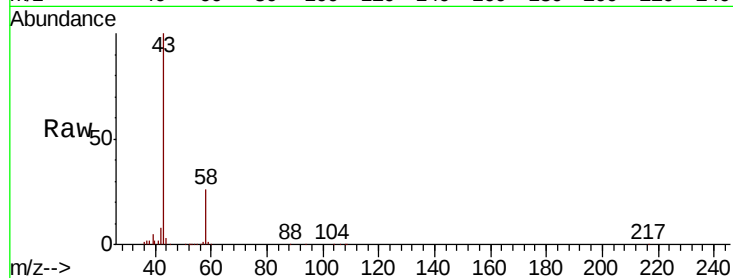
#15
Acetone
Concen: 8.900 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.0	31.6

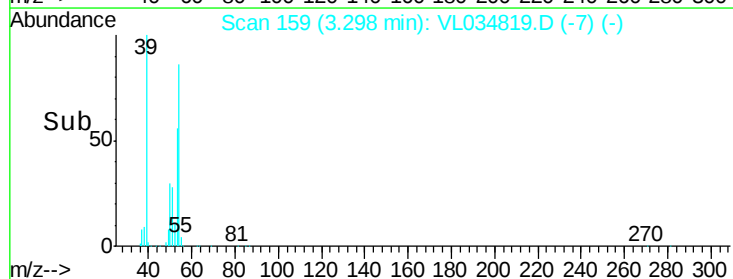
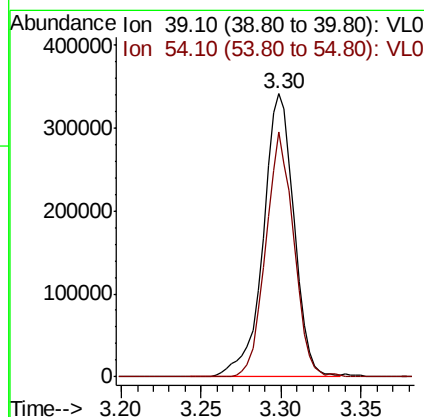
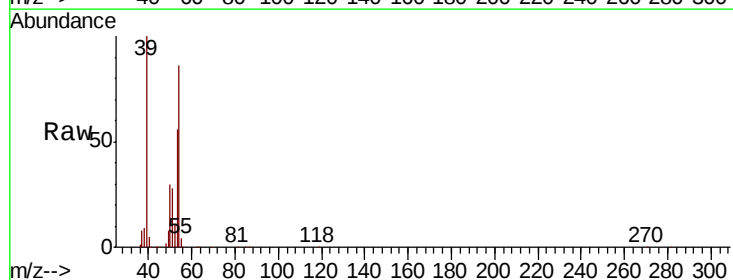
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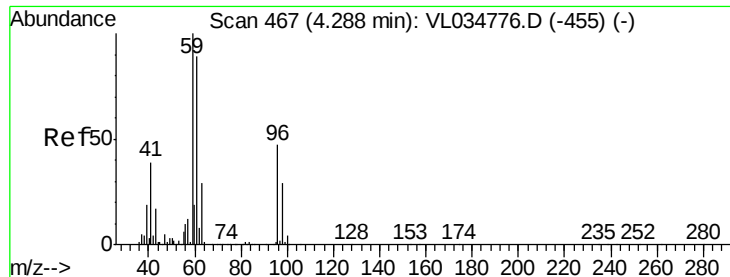
MMDadoda
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#16
1,3-Butadiene
Concen: 9.566 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
39	100		
54	79.1	64.2	96.2





#17

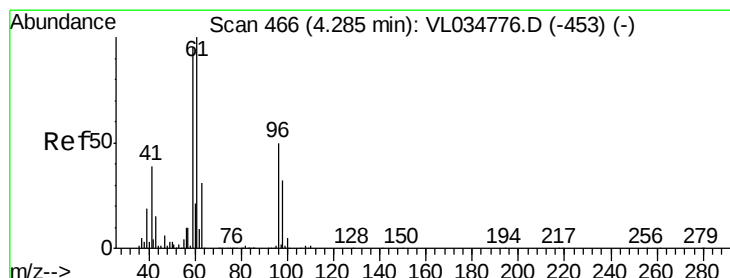
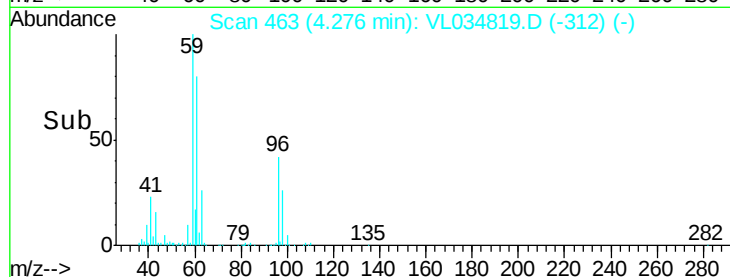
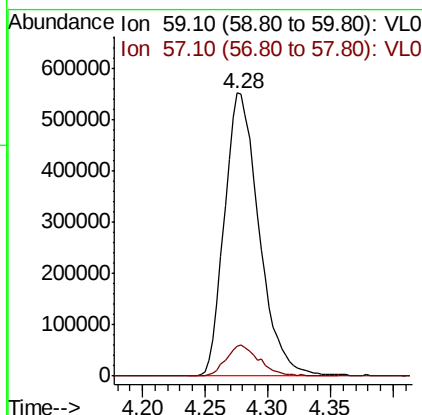
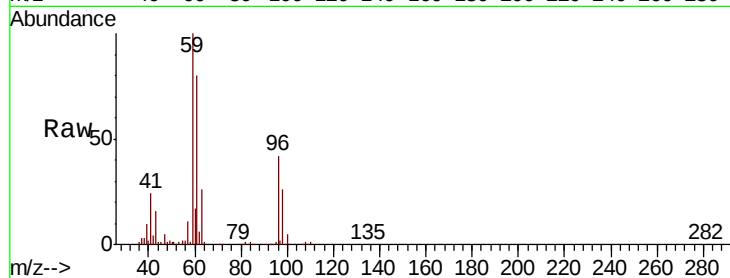
tert-Butyl alcohol
Concen: 12.723 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1056605
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0

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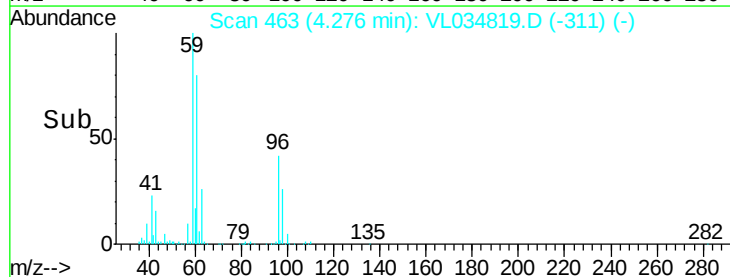
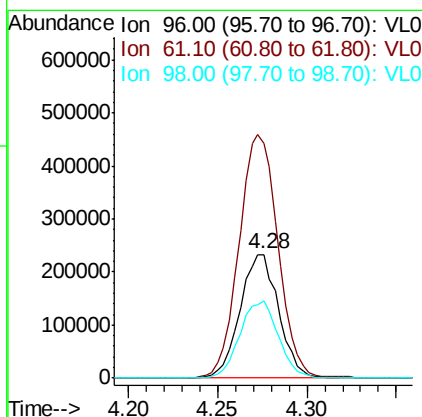
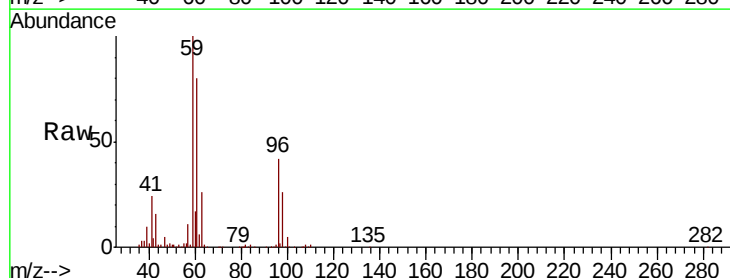
MMDadoda
3/9/2020 9:20:23 AM

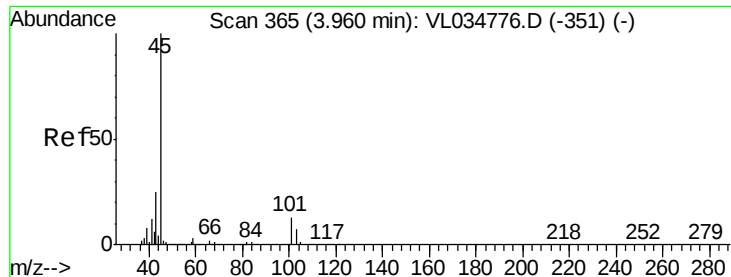


#18

1,1-Dichloroethene
Concen: 8.958 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion: 96 Resp: 350108
Ion Ratio Lower Upper
96 100
61 189.5 159.5 239.3
98 62.5 51.1 76.7





#19

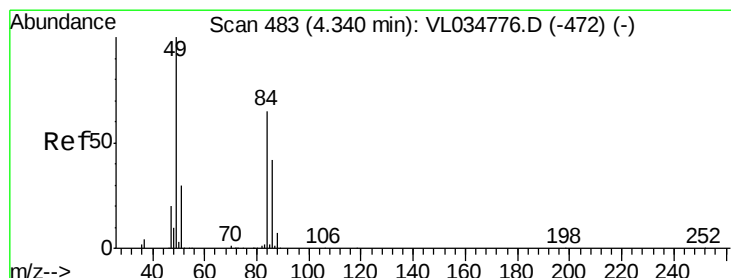
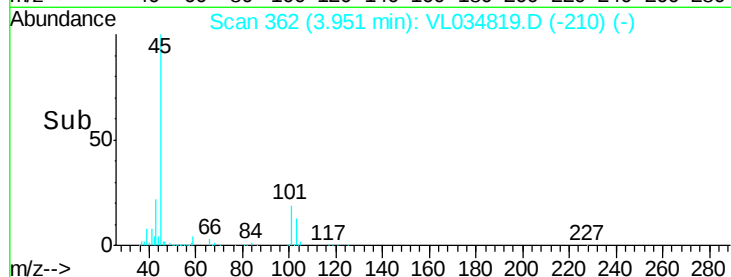
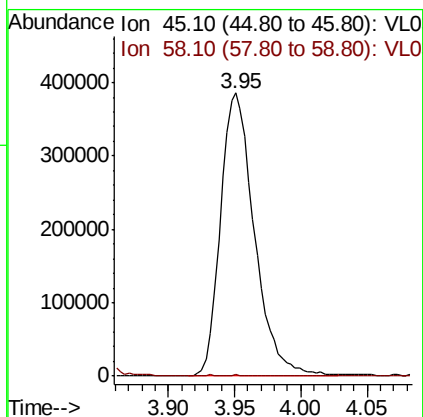
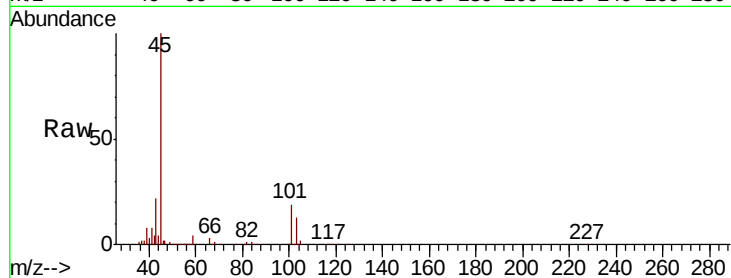
Isopropyl Alcohol
 Concen: 10.834 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	45	58	Ratio	100	37.1	Resp	Lower	Upper
683658							1.8	2.8#

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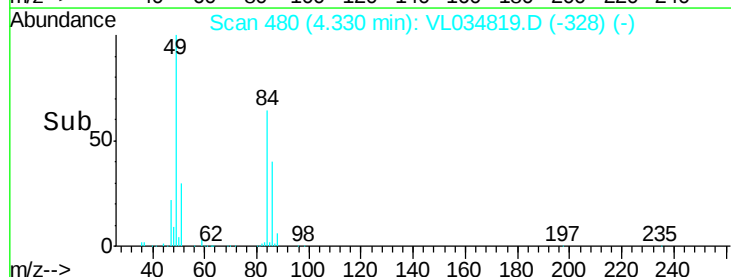
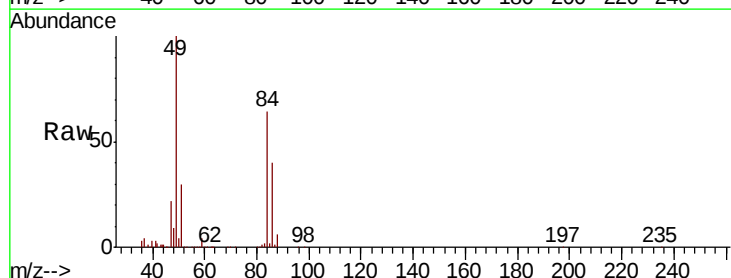
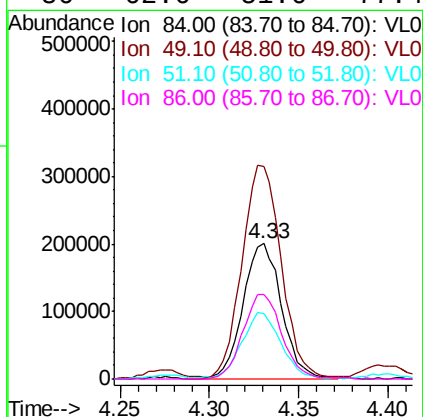
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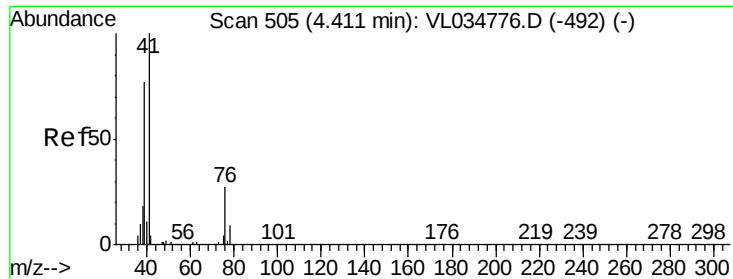


#20

Methylene Chloride
 Concen: 8.043 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	84	49	51	86	Ratio	100	155.6	47.1	62.6	Resp	Lower	Upper
302313											123.2	184.8





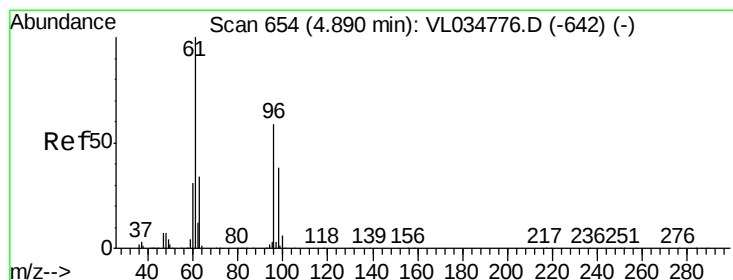
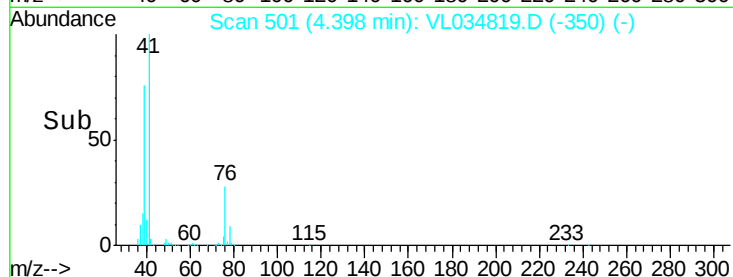
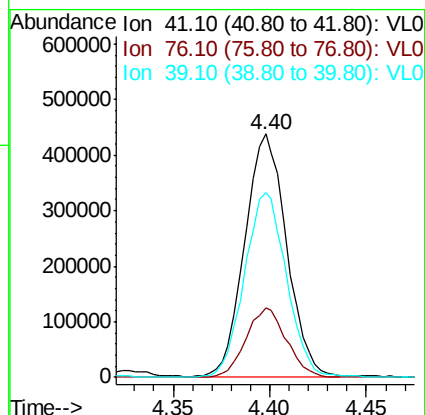
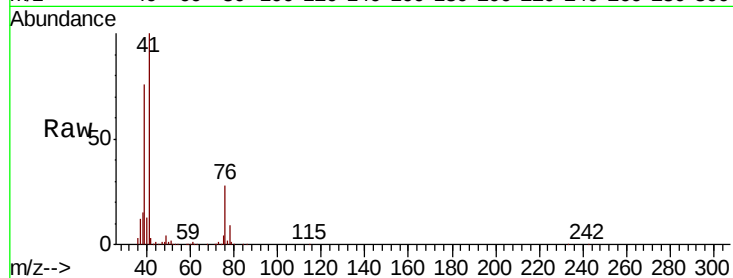
#21
Allvl Chloride
Concen: 9.796 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.8	22.5	33.7
39	77.3	65.0	97.6

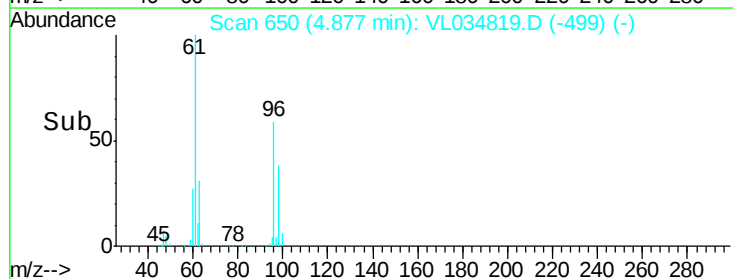
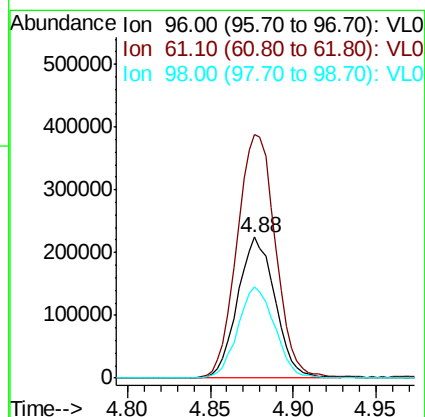
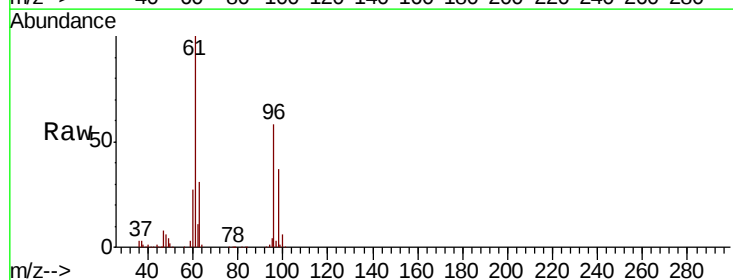
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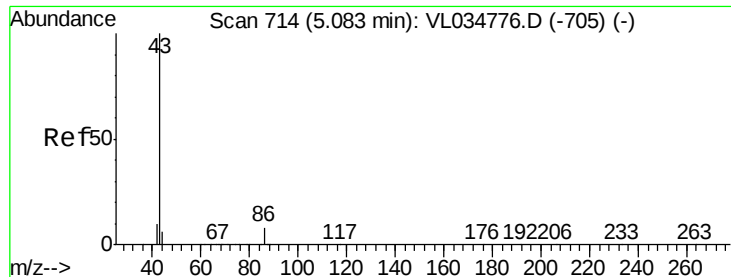
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#22
trans-1,2-Dichloroethene
Concen: 9.255 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.7	135.2	202.8
98	64.5	50.8	76.2





#23

Vinyl Acetate

Concen: 11.191 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL034819.D

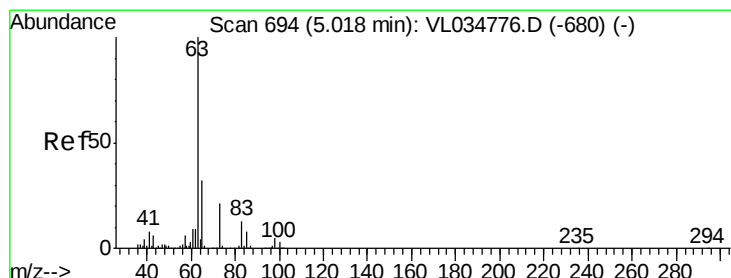
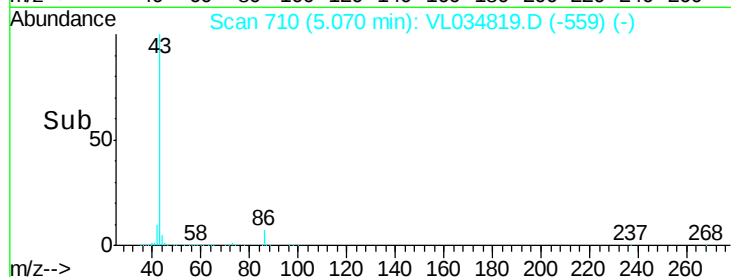
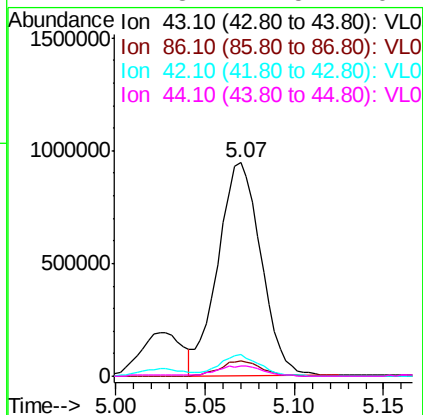
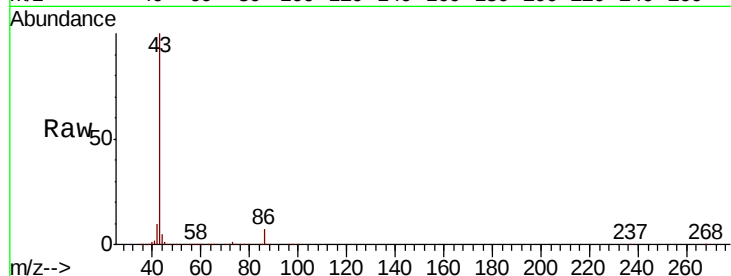
Acq: 6 Mar 2020 15:57

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	10.0	8.2	12.2
44	4.8	4.5	6.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 8.783 ppbv

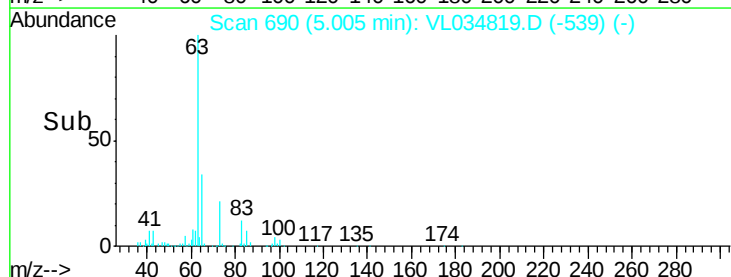
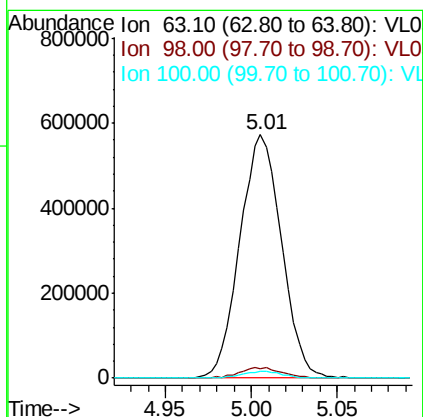
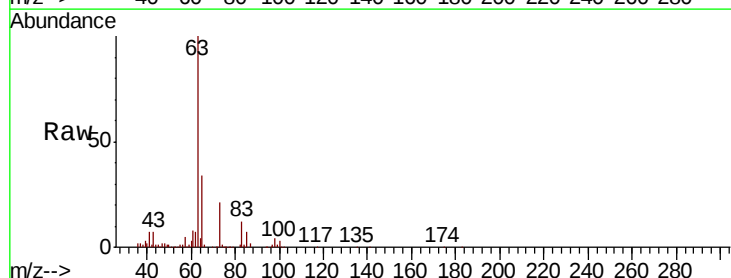
RT: 5.01 min Scan# 690

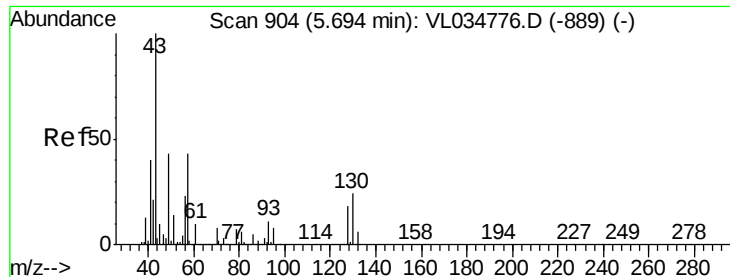
Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.3	6.8
100	2.6	1.5	4.4





#25

Ethyl Acetate

Concen: 9.774 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1778804

Ion Ratio Lower Upper

43 100

45 10.1 8.2 12.4

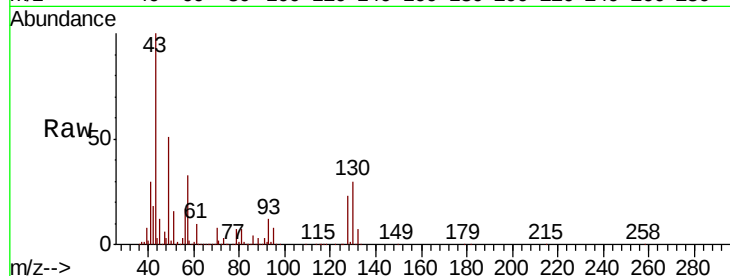
61 9.6 7.5 11.3

70 7.4 6.0 9.0

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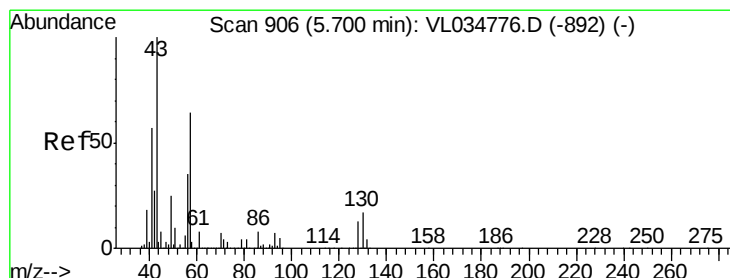
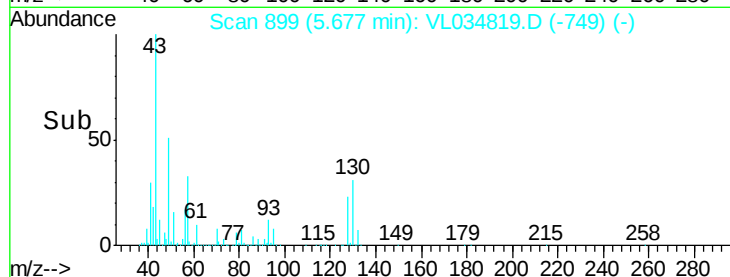
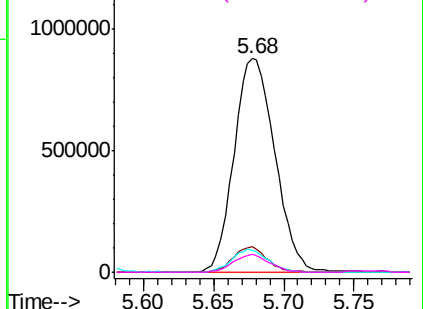


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.737 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion: 57 Resp: 774193

Ion Ratio Lower Upper

57 100

41 89.3 72.0 108.0

43 231.0 179.1 268.7

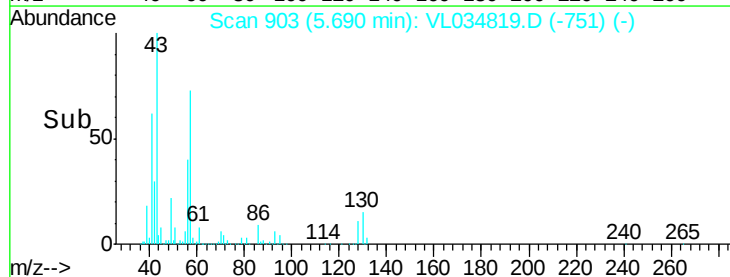
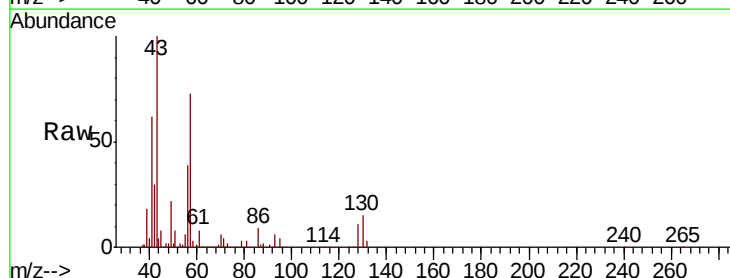
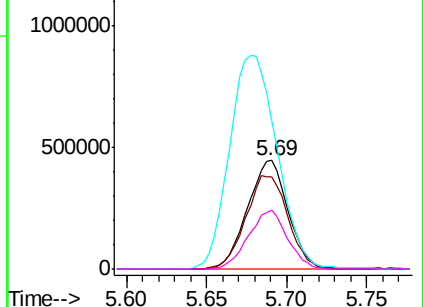
56 52.2 42.6 63.8

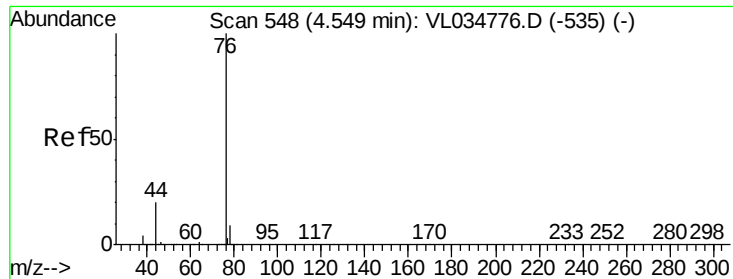
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.064 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

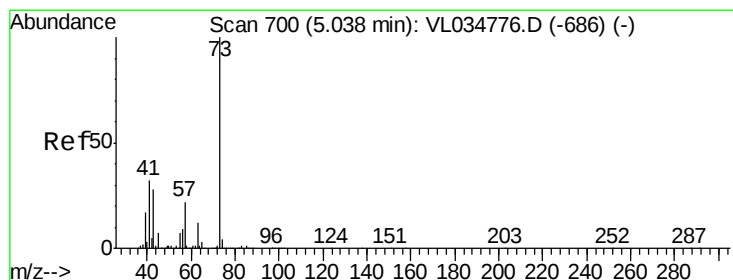
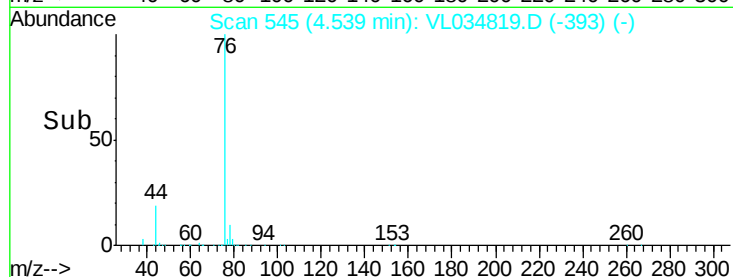
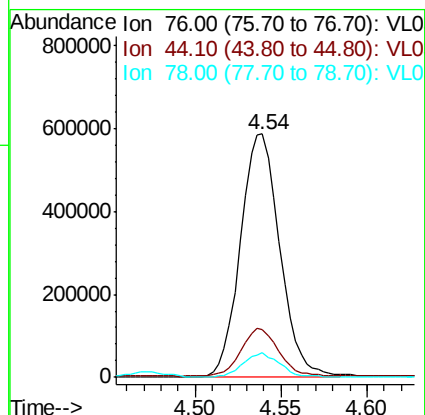
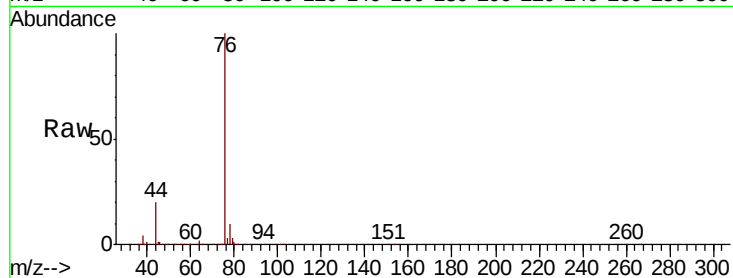
ClientSampleId :

VSTDCCC010

Tot Ion:	76	Resp:	934741
Ion Ratio	Lower	Upper	
76	100		
44	18.8	16.1	24.1
78	9.6	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 10.875 ppbv

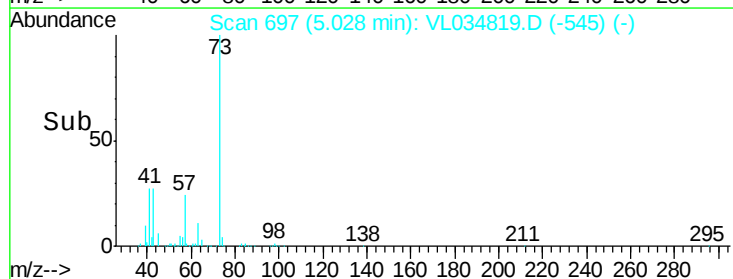
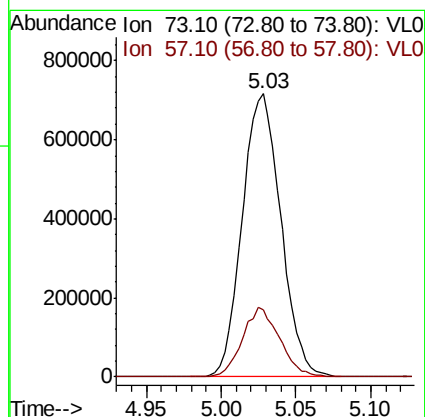
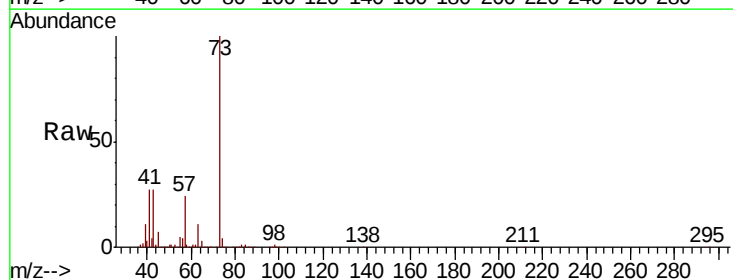
RT: 5.03 min Scan# 697

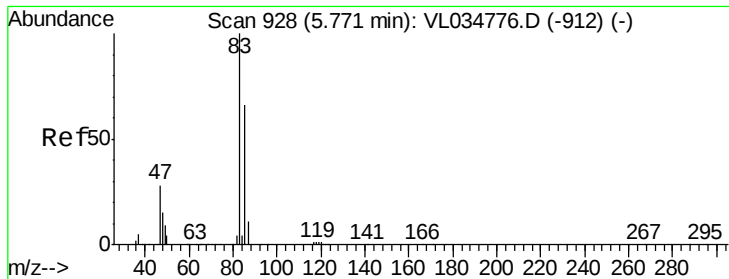
Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion:	73	Resp:	1286971
Ion Ratio	Lower	Upper	
73	100		
57	23.8	18.5	27.7





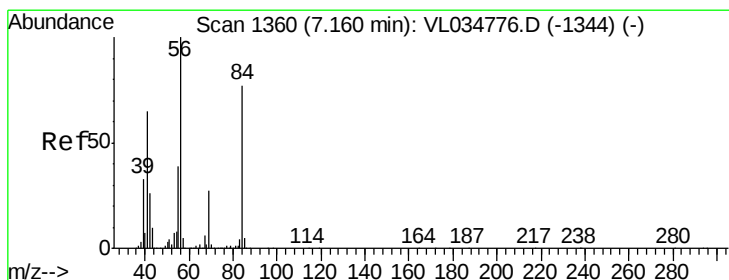
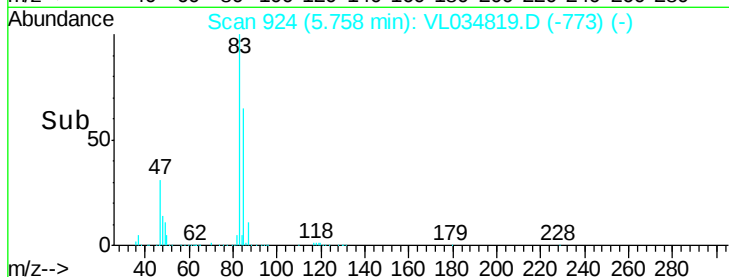
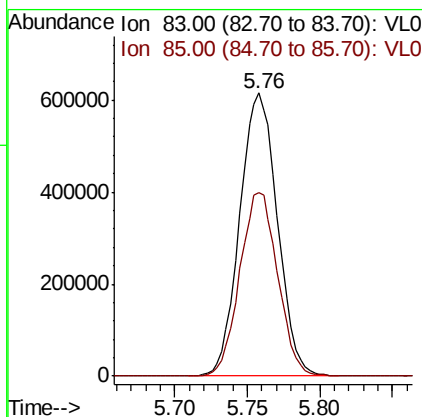
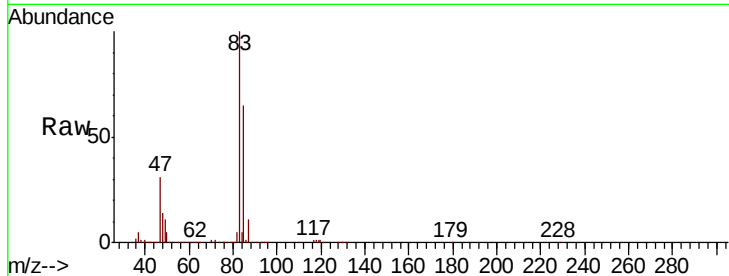
#29
Chloroform
Concen: 8.301 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1110948
Ion Ratio Lower Upper
83 100
85 64.6 53.0 79.4

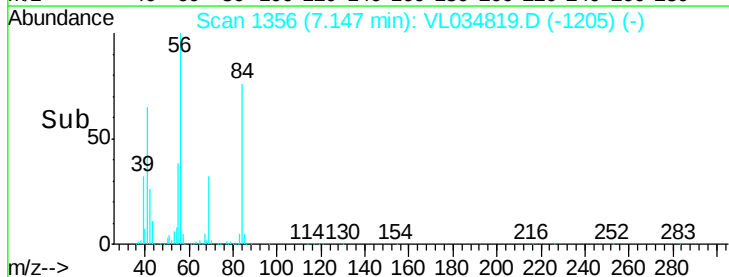
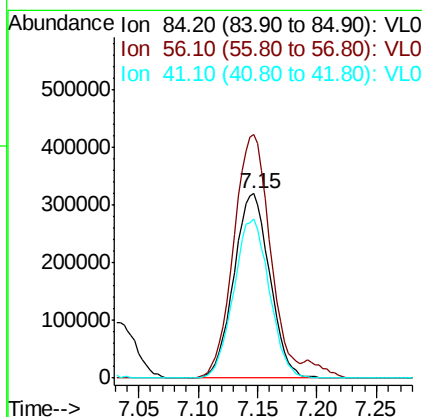
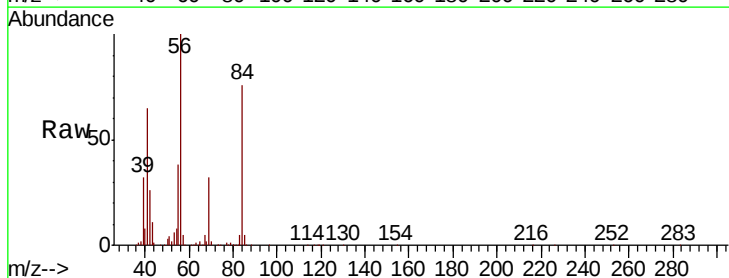
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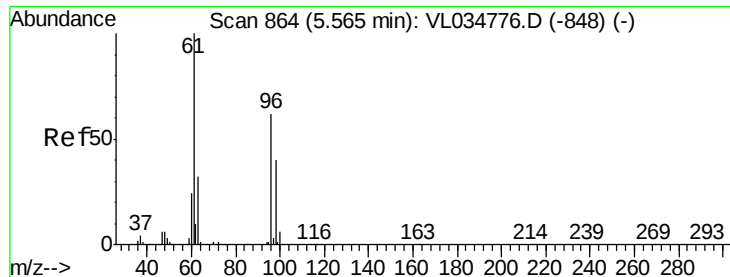
MMDadoda
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#30
Cyclohexane
Concen: 11.025 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion: 84 Resp: 670607
Ion Ratio Lower Upper
84 100
56 139.6 113.2 169.8
41 85.5 70.2 105.4





#31

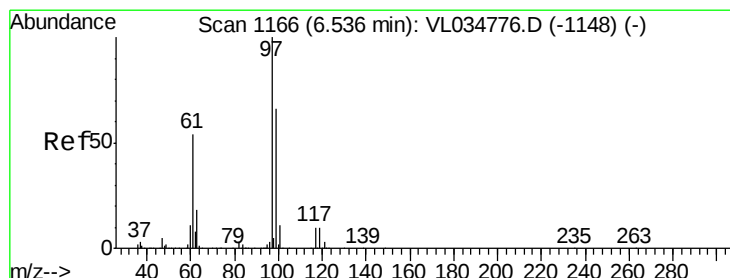
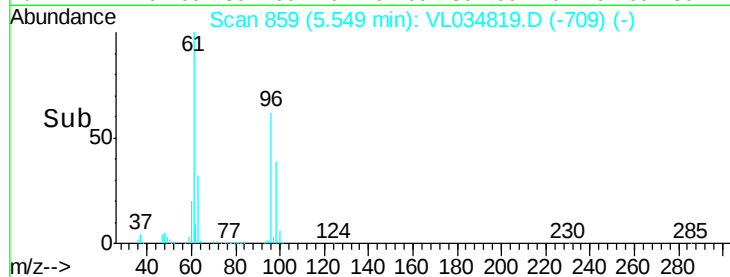
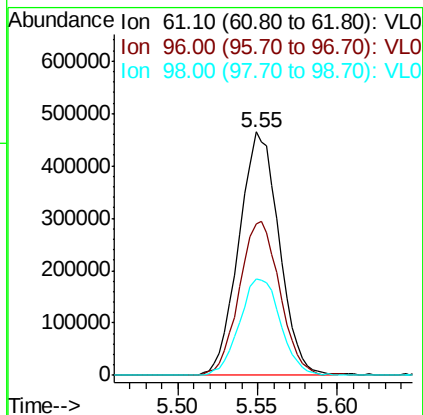
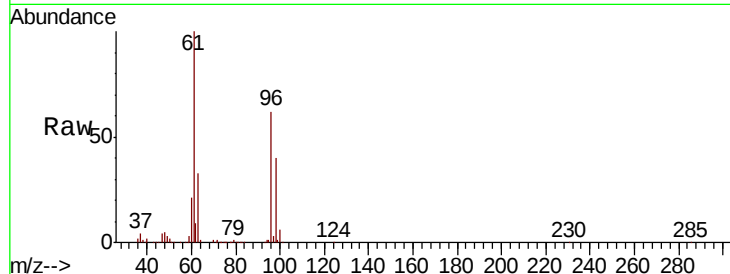
cis-1,2-Dichloroethene
 Concen: 9.728 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.9	49.7	74.5
98	39.6	31.9	47.9

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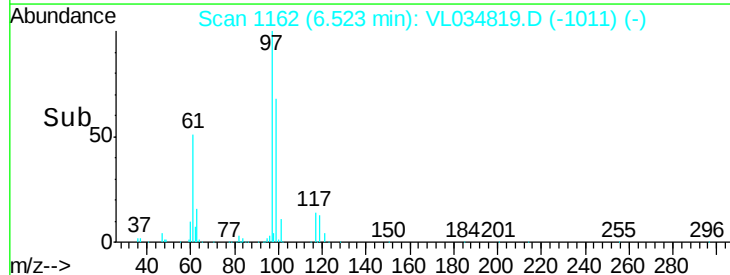
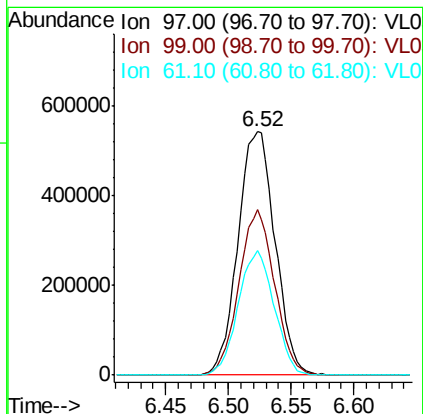
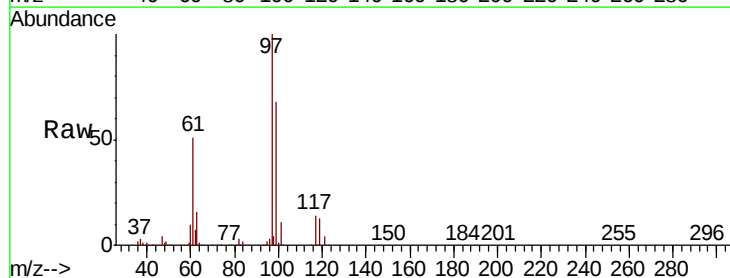
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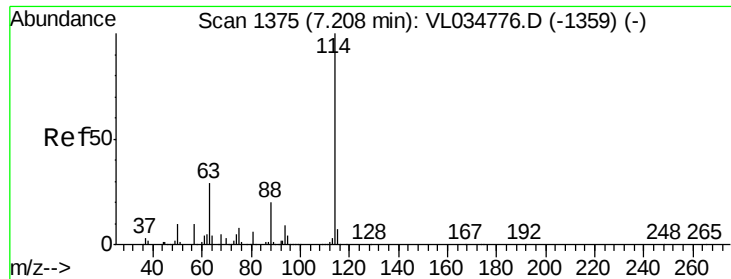


#32

1,1,1-Trichloroethane
 Concen: 8.446 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	49.6	43.4	65.0





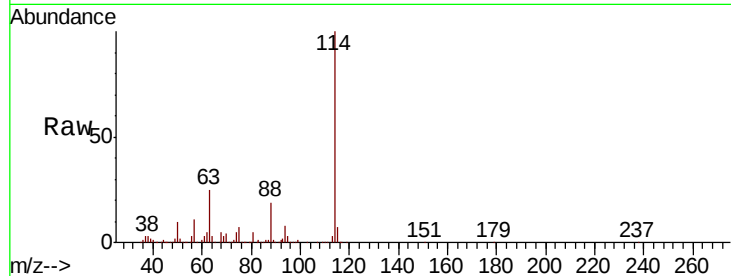
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

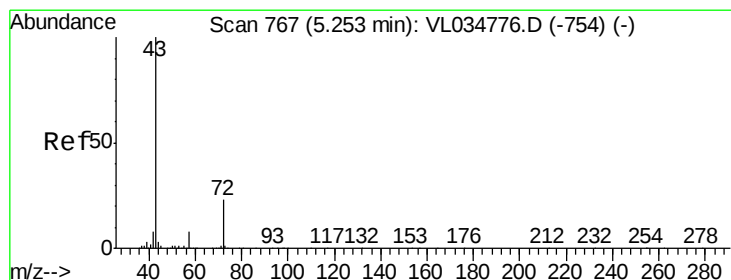
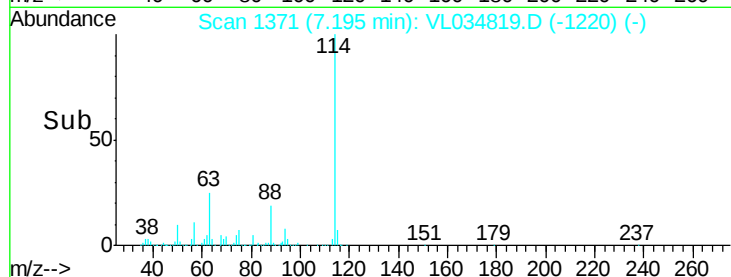
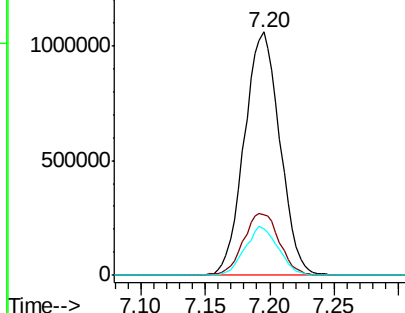
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	23.6	35.4
88	18.8	15.8	23.8

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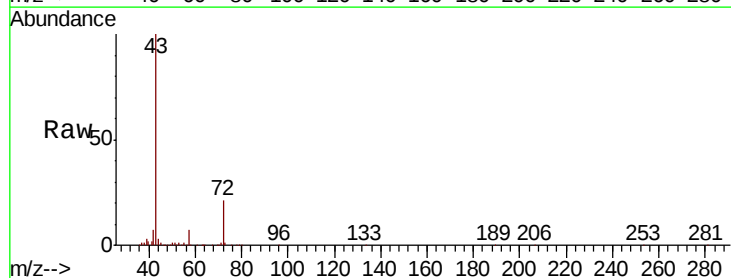


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

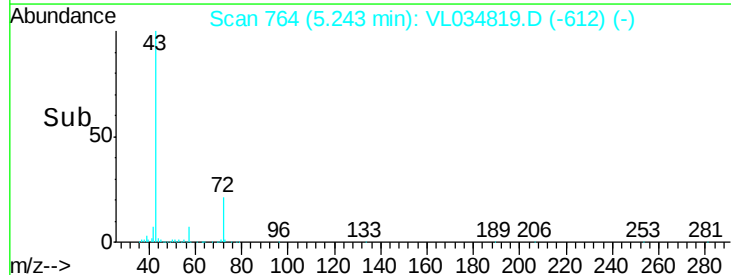
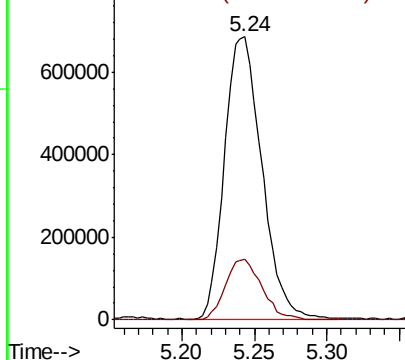


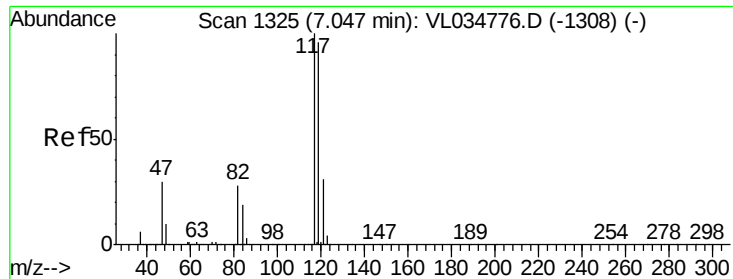
#34
 2-Butanone
 Concen: 9.191 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.5	26.3



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





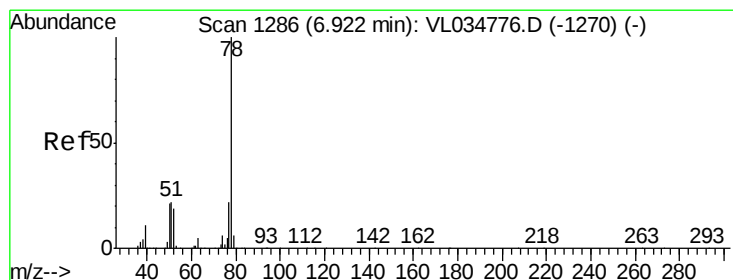
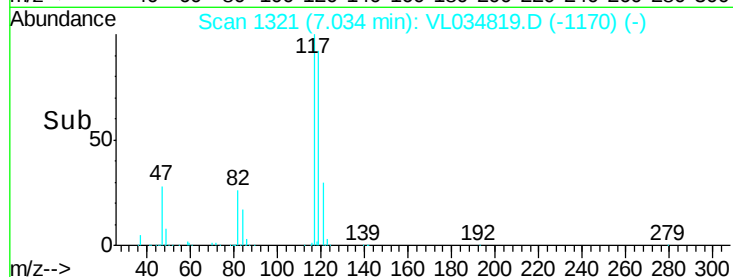
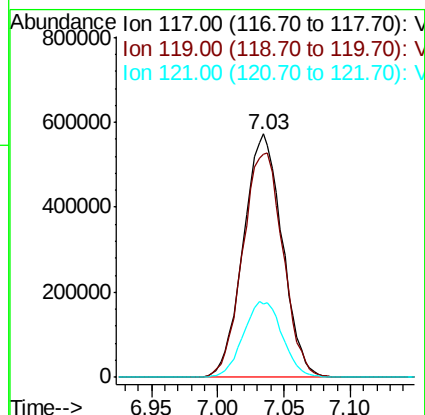
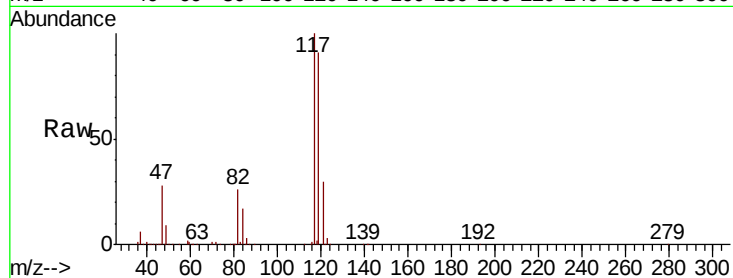
#35
Carbon Tetrachloride
Concen: 7.591 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	76.8	115.2
121	30.4	24.6	37.0

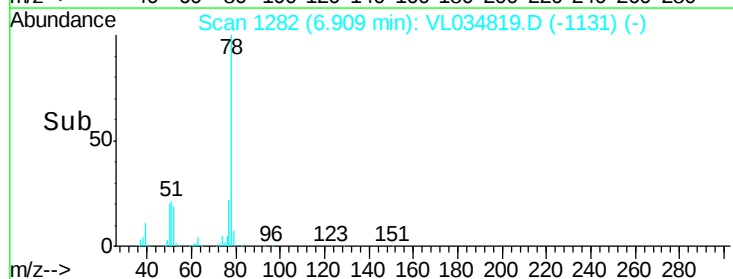
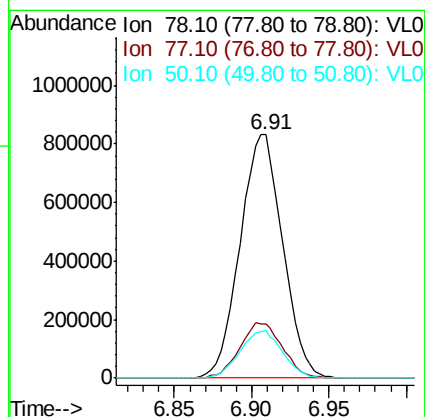
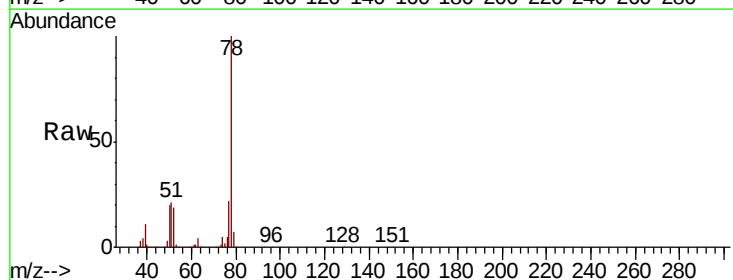
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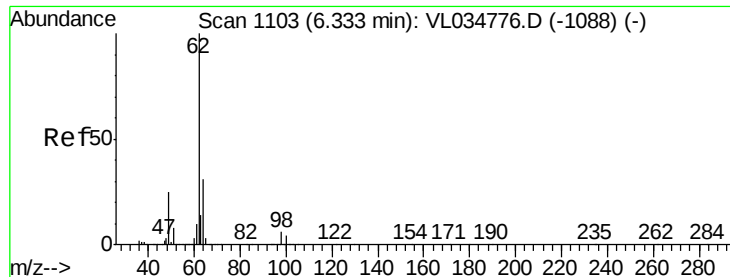
MMDadoda
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#36
Benzene
Concen: 9.125 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	19.7	16.9	25.3





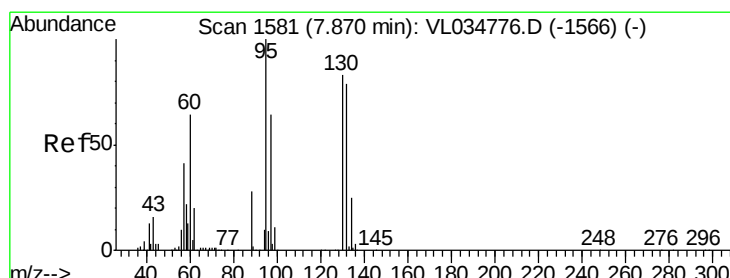
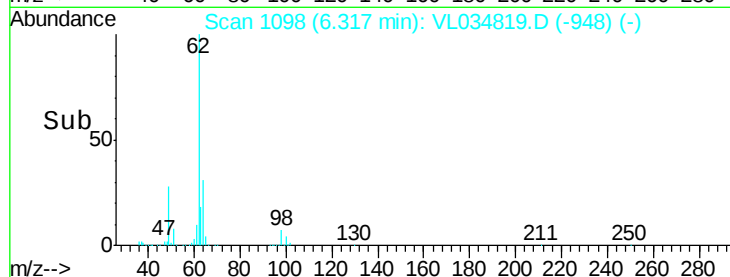
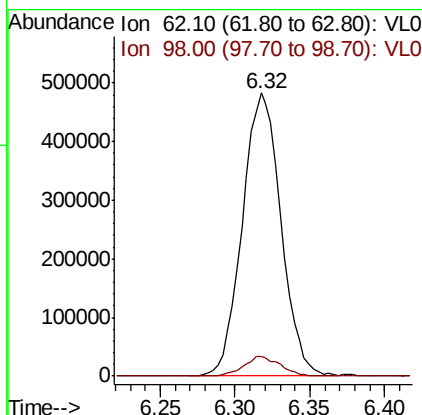
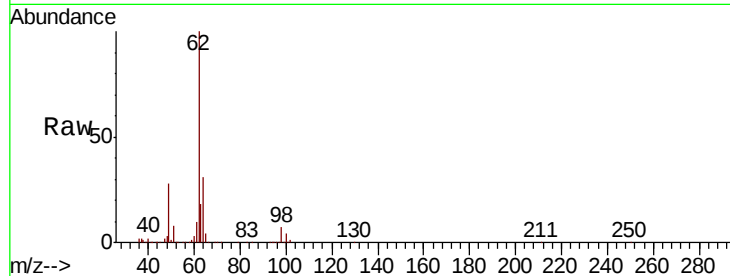
#37
 1,2-Dichloroethane
 Concen: 7.287 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
62	100	867118		
98	6.6	4.4	6.6	

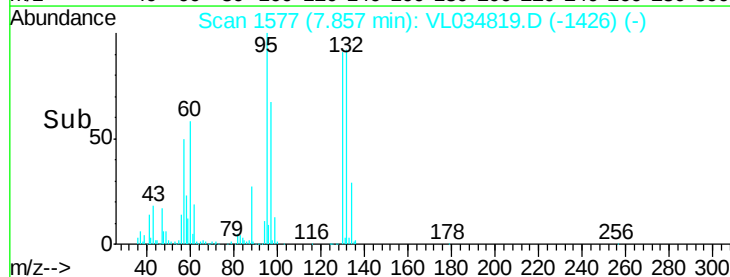
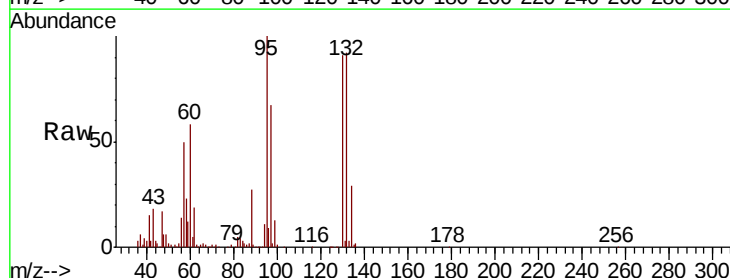
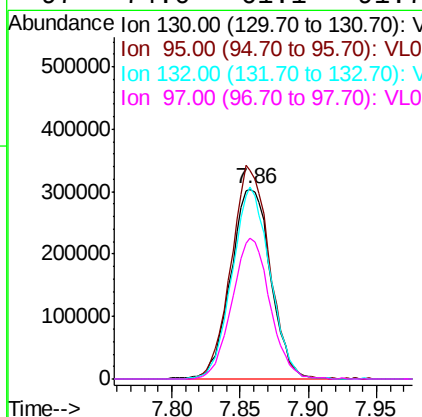
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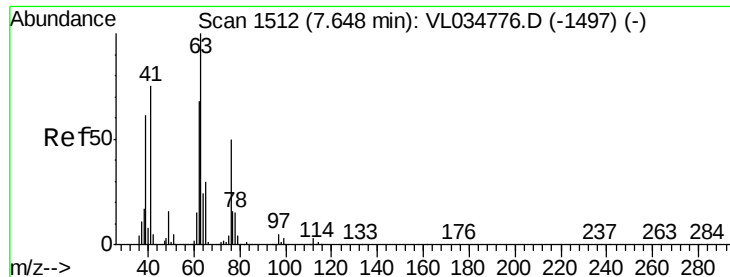
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#38
 Trichloroethene
 Concen: 9.045 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	614140		
95	109.7	95.8	143.8	
132	101.4	76.1	114.1	
97	74.0	61.1	91.7	





#39

1,2-Dichloropropane

Concen: 9.031 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

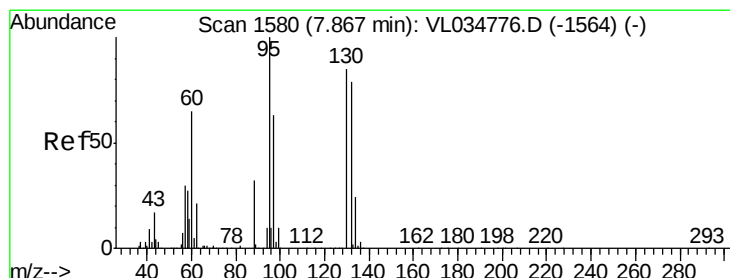
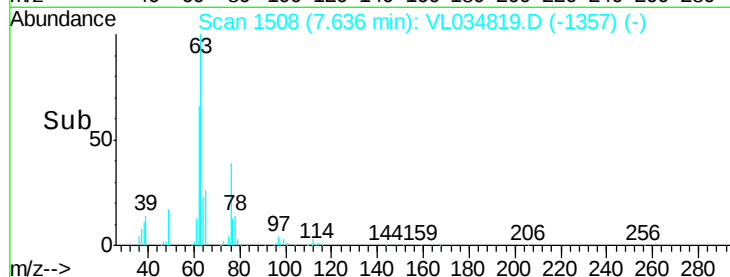
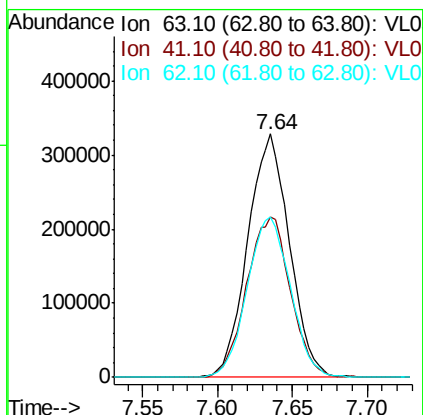
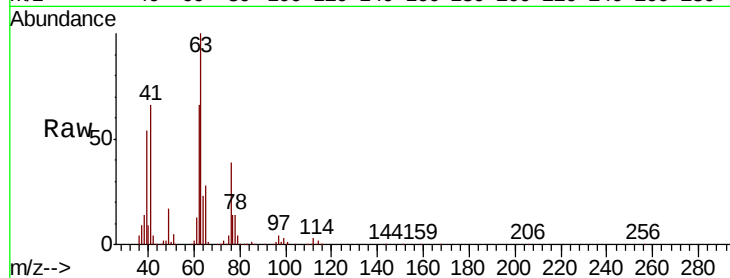
ClientSampleId :

VSTDCCC010

Tot Ion:	63	Resp:	634977
Ion Ratio	Lower	Upper	
63	100		
41	65.9	60.3	90.5
62	66.1	54.5	81.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.943 ppbv

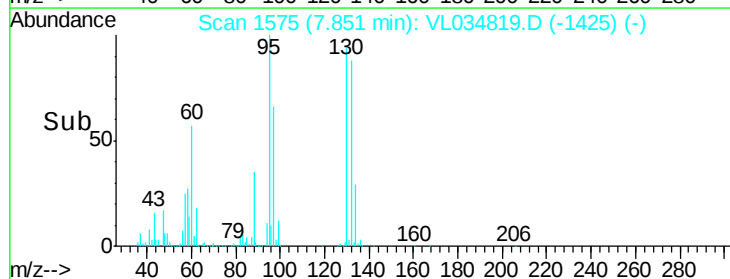
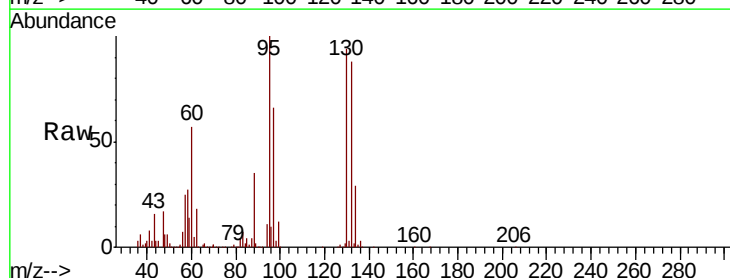
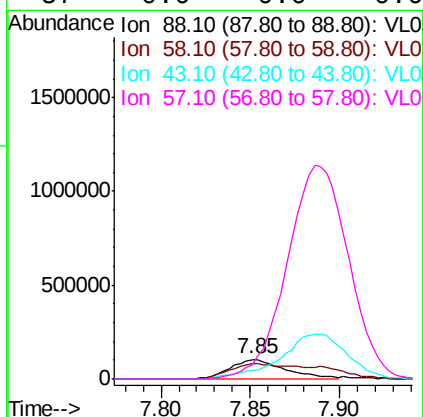
RT: 7.85 min Scan# 1575

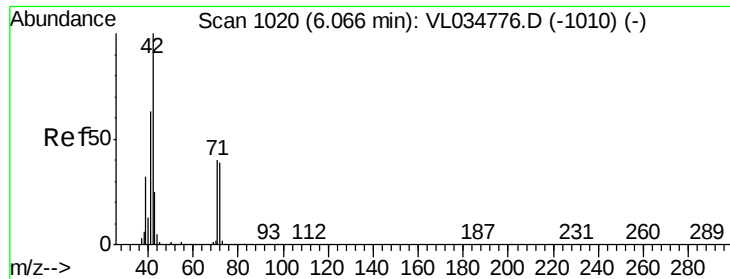
Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion:	88	Resp:	217472
Ion Ratio	Lower	Upper	
88	100		
58	141.7	110.6	166.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





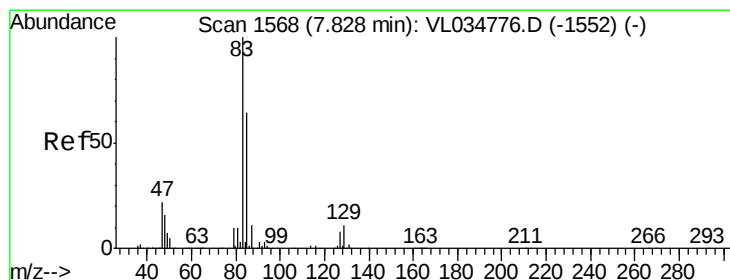
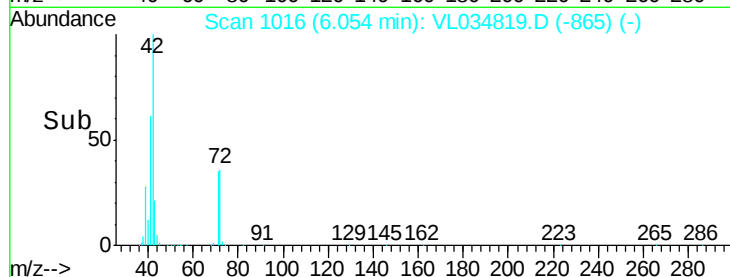
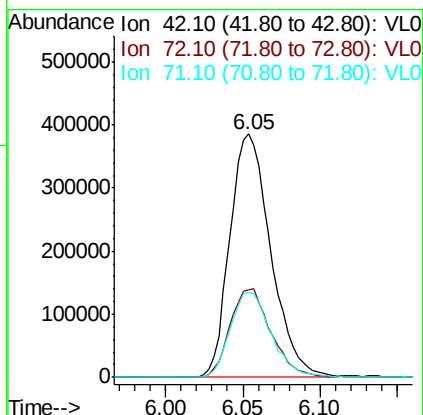
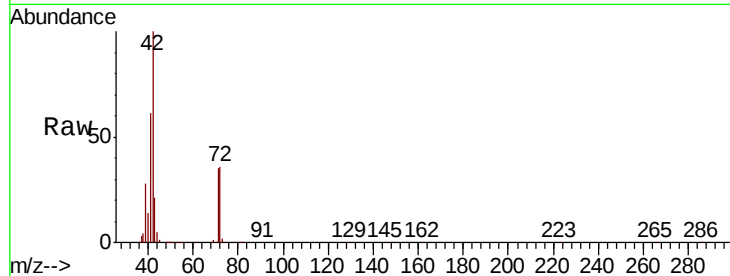
#41
Tetrahydrofuran
Concen: 10.472 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	32.0	48.0
71	35.2	31.3	46.9

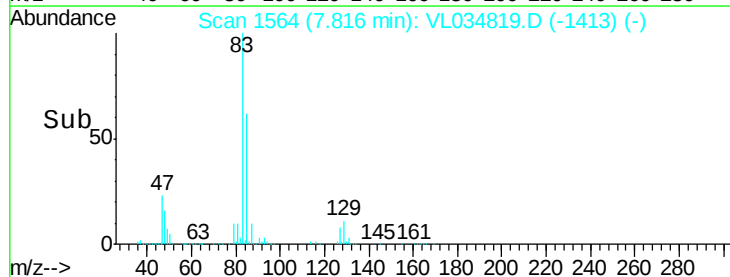
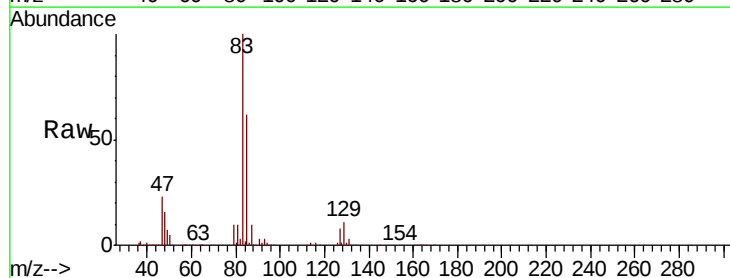
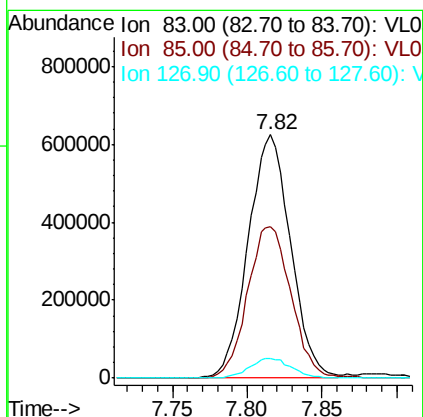
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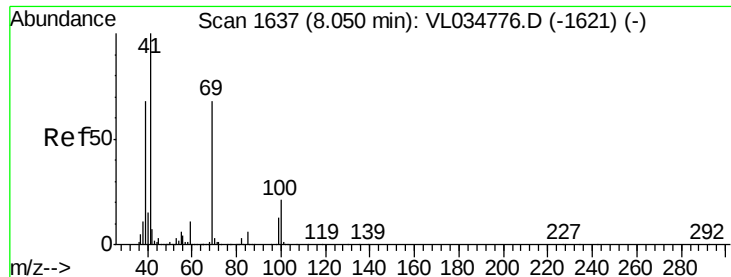
MMDadoda
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#42
Bromodichloromethane
Concen: 8.174 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.8	76.2
127	8.2	6.5	9.7





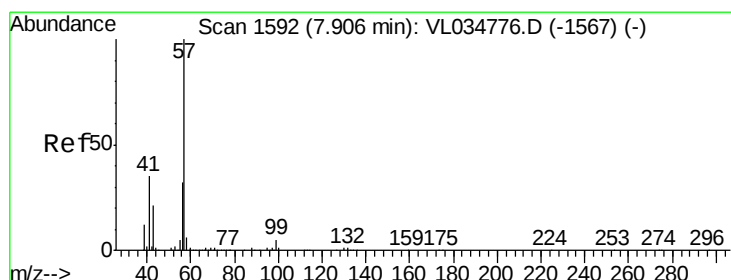
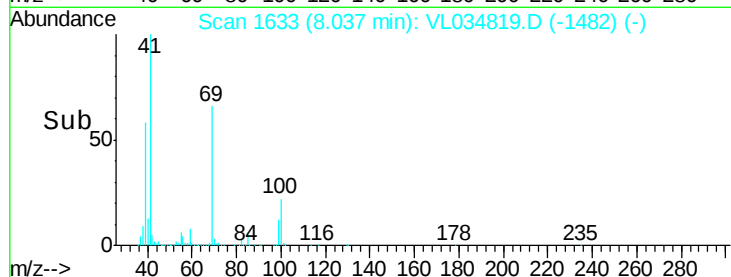
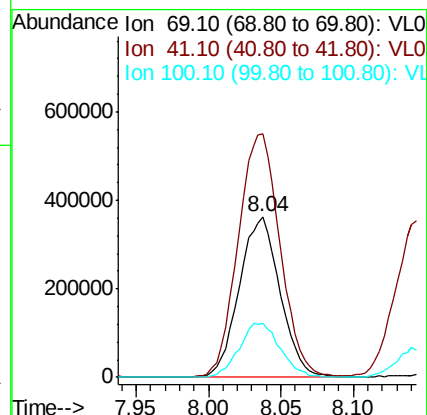
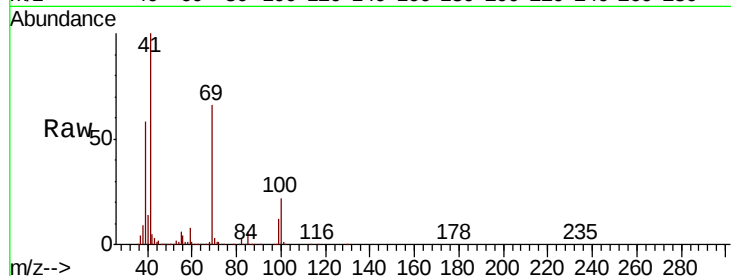
#43
Methyl Methacrylate
Concen: 9.580 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	156.3	121.6	182.4
100	34.0	23.8	35.8

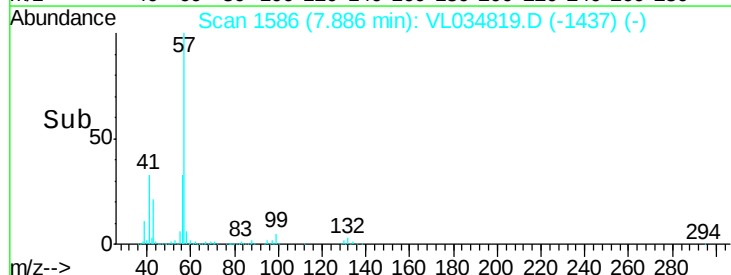
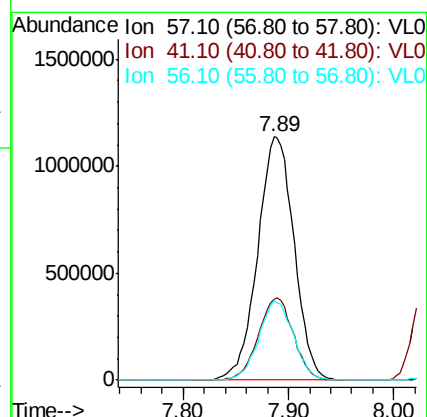
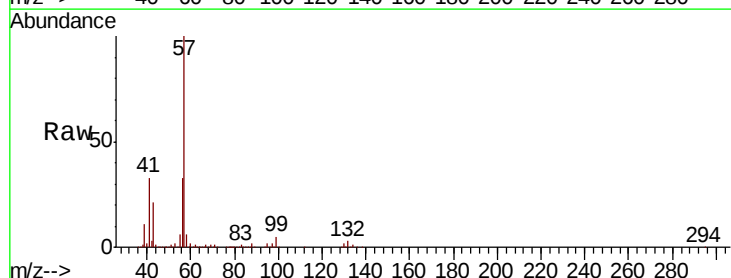
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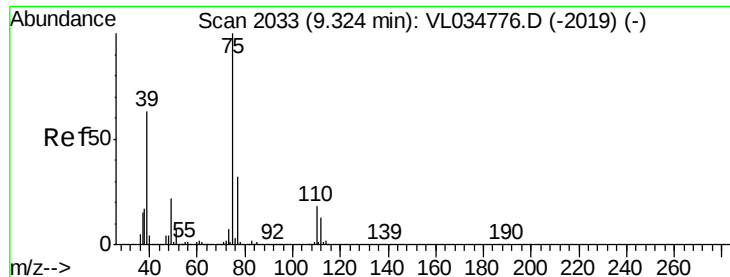
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3/9/2020 9:20:23 AM



#44
2,2,4-Trimethylpentane
Concen: 8.947 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.5	27.4	41.0
56	31.2	25.0	37.6





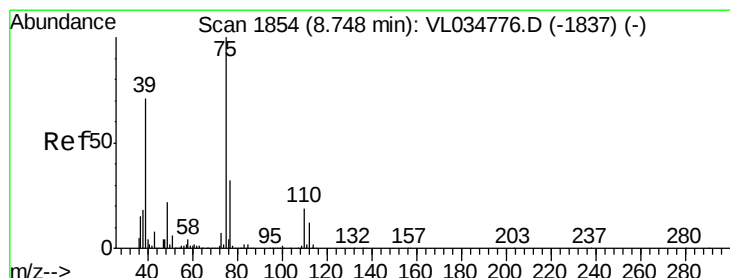
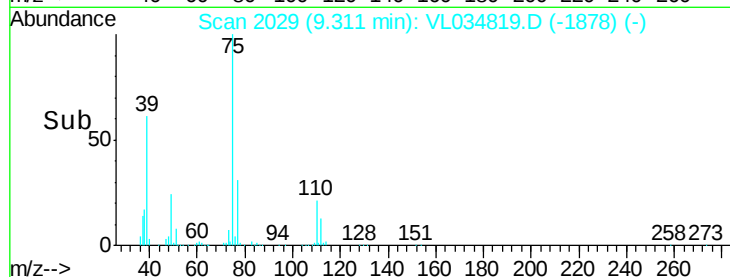
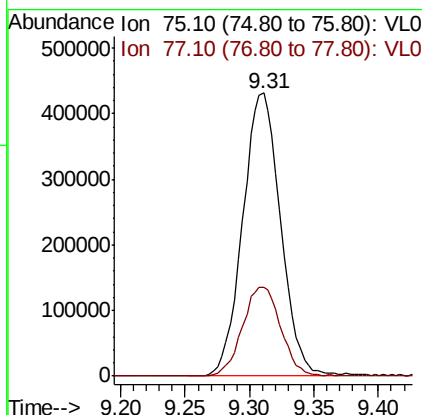
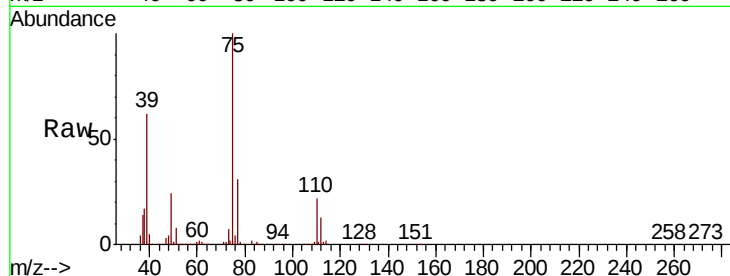
#45
t-1,3-Dichloropropene
Concen: 11.387 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 882542
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4

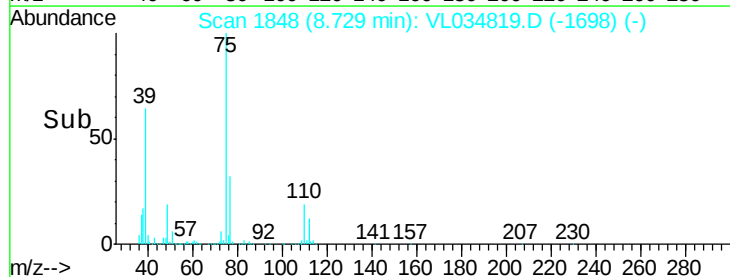
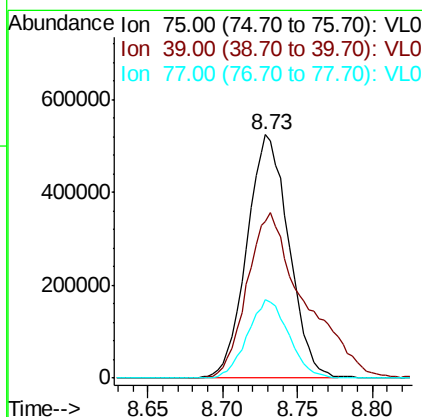
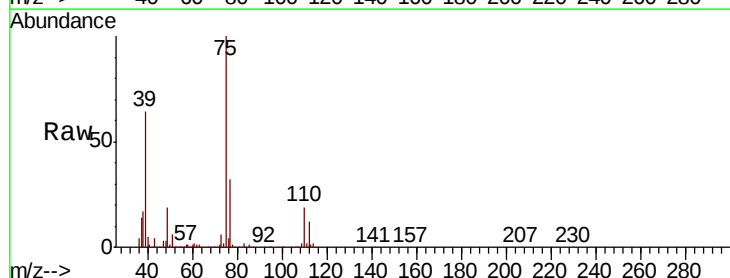
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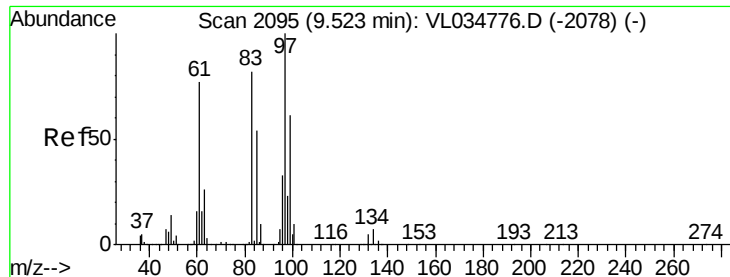
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.786 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion: 75 Resp: 1020720
Ion Ratio Lower Upper
75 100
39 64.1 56.9 85.3
77 32.0 25.7 38.5





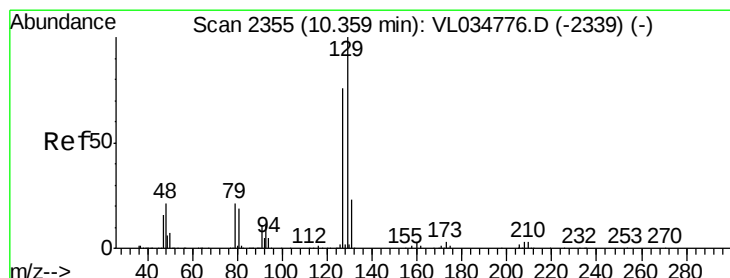
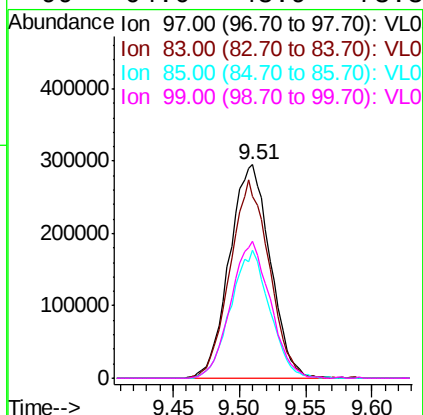
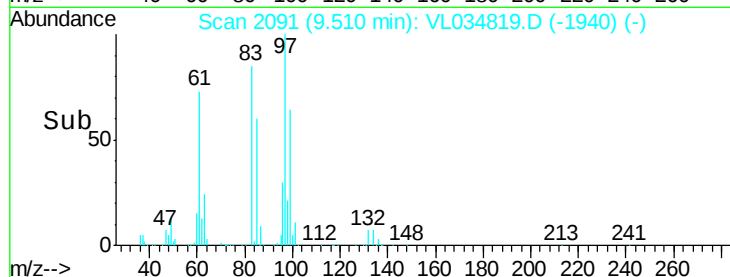
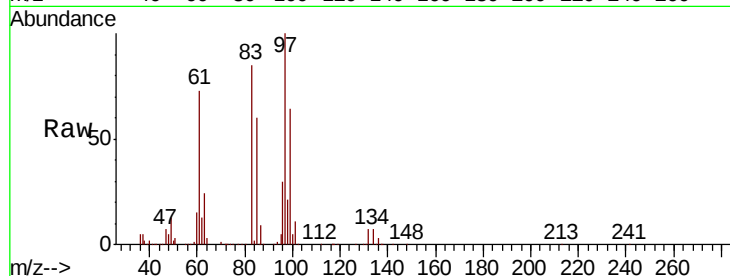
#47
 1,1,2-Trichloroethane
 Concen: 8.473 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.2	97.8
85	59.6	43.6	65.4
99	64.0	48.9	73.3

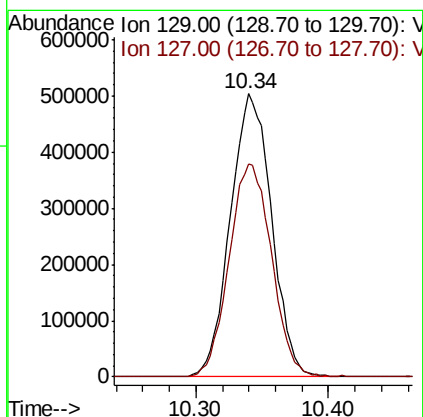
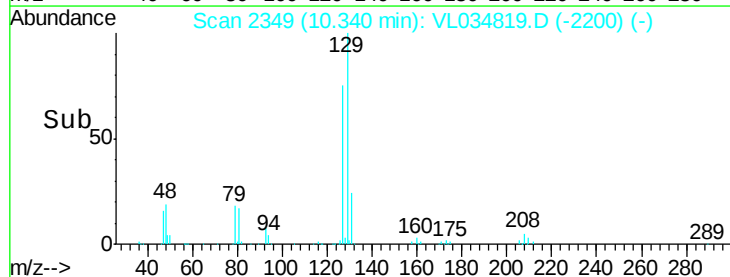
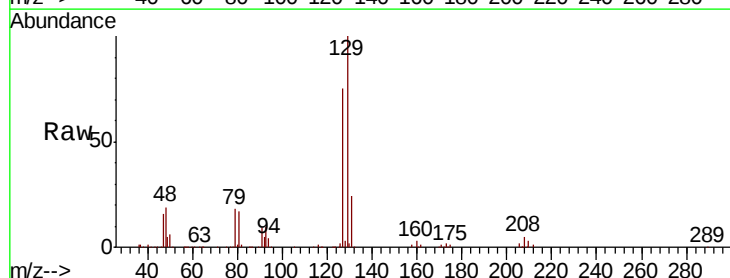
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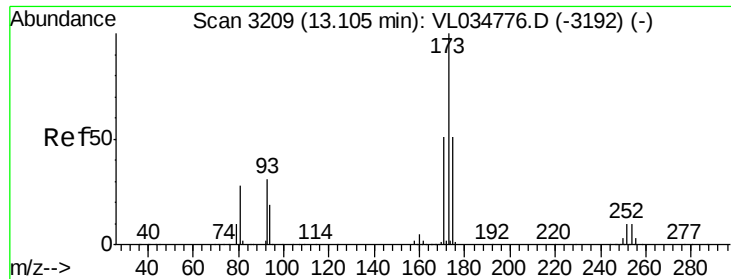
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#48
 Dibromochloromethane
 Concen: 9.382 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.0	117.0





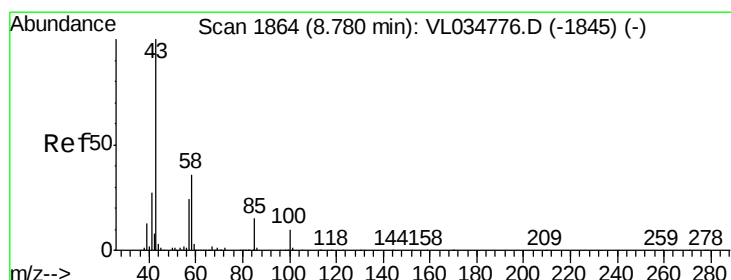
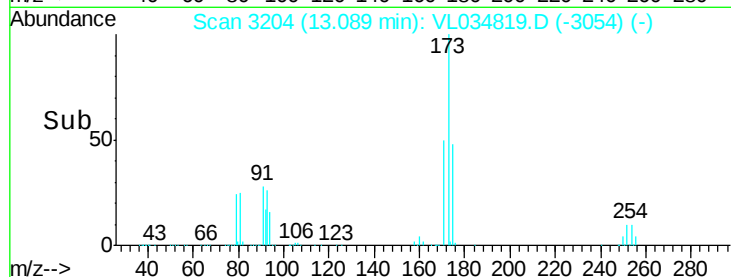
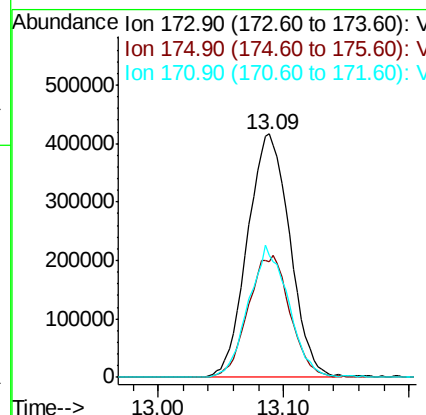
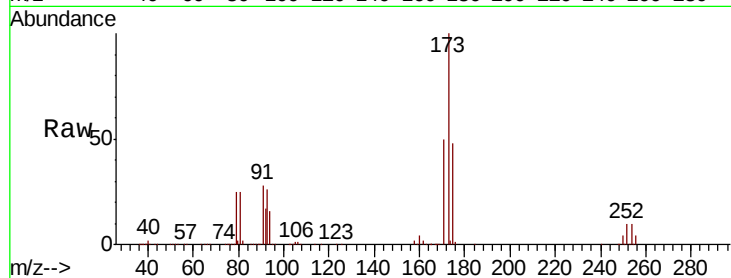
#49
Bromoform
Concen: 9.644 ppbv
RT: 13.09 min Scan# 3204
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.8	59.6
171	51.2	41.0	61.4

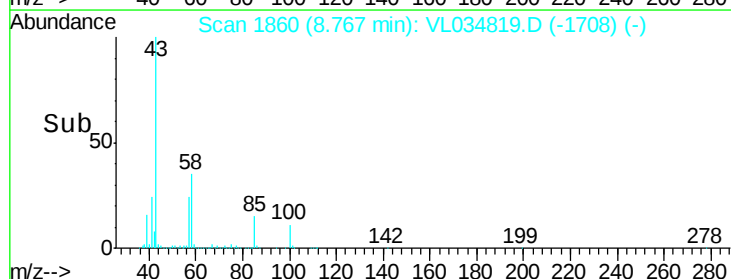
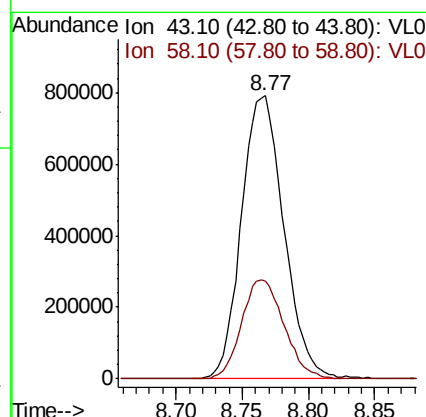
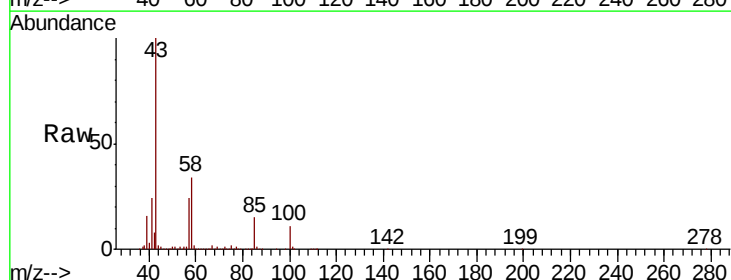
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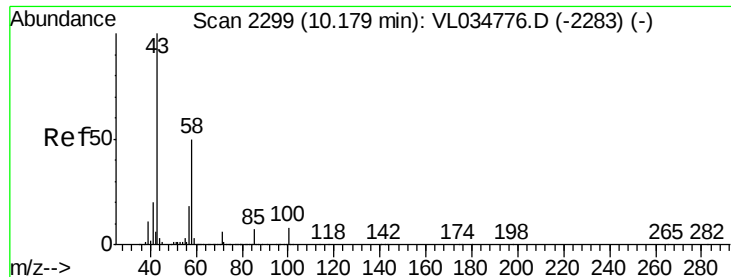
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#50
4-Methyl-2-Pentanone
Concen: 9.240 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.7	43.1





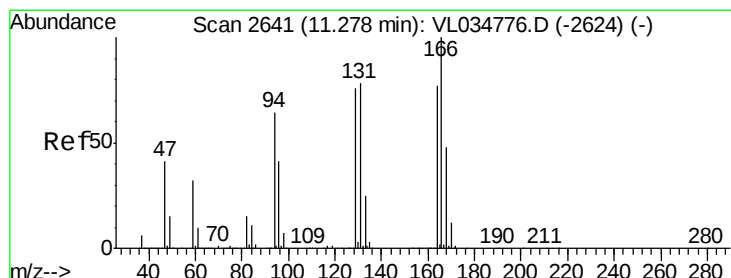
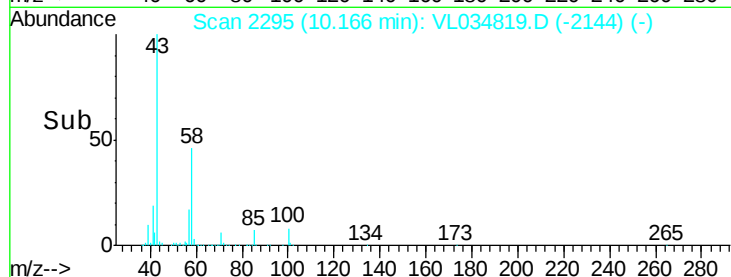
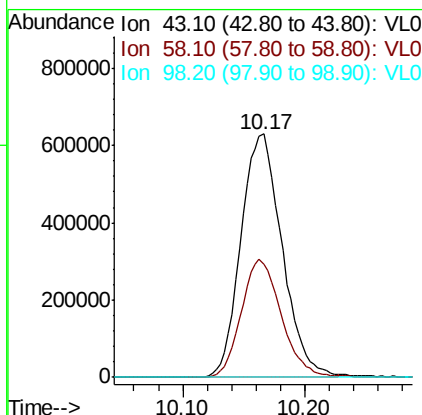
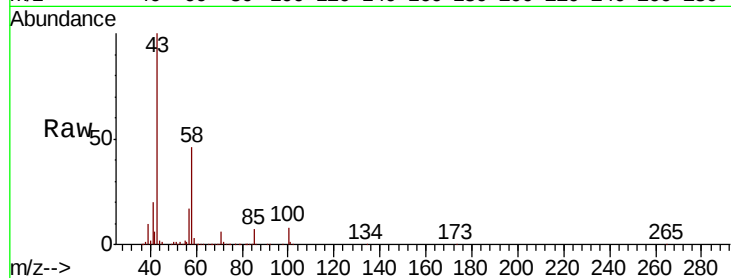
#51
2-Hexanone
Concen: 9.855 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1469203
Ion Ratio Lower Upper
43 100
58 47.4 38.6 58.0
98 0.0 0.2 0.4#

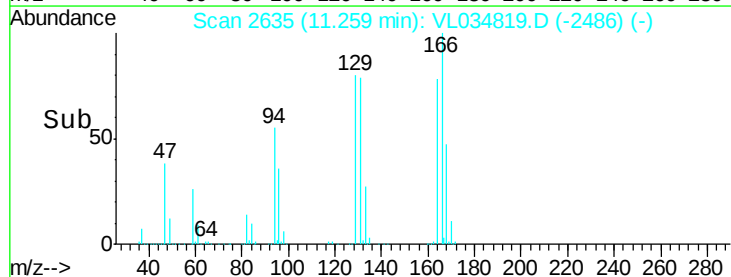
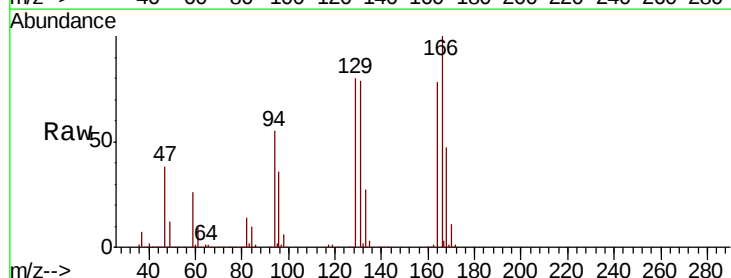
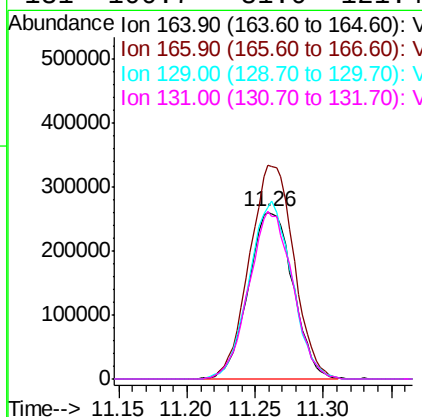
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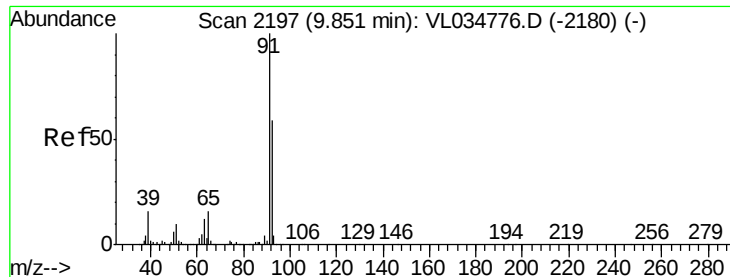
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#52
Tetrachloroethene
Concen: 9.217 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion: 164 Resp: 593229
Ion Ratio Lower Upper
164 100
166 128.0 103.3 154.9
129 103.0 79.0 118.4
131 100.7 81.0 121.4





#53

Toluene

Concen: 9.985 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 1841121

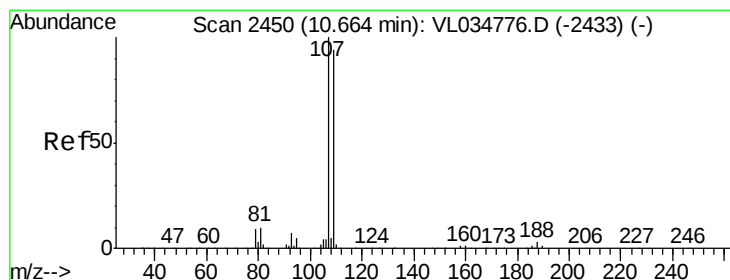
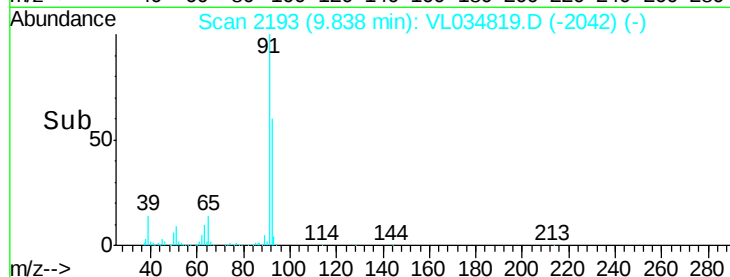
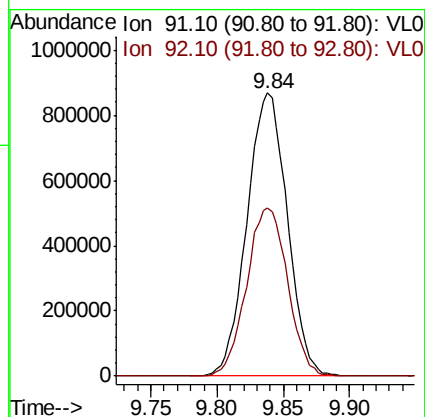
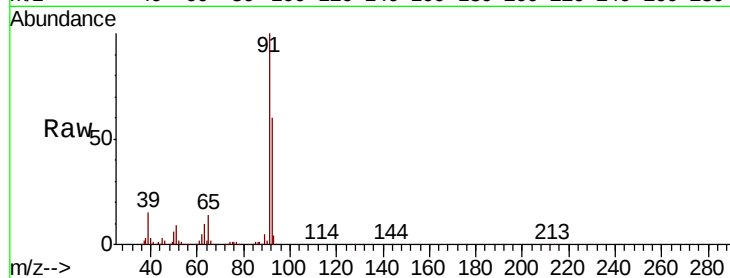
Ion Ratio Lower Upper

91 100

92 60.7 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 8.728 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. -0.02 min

Lab File: VL034819.D

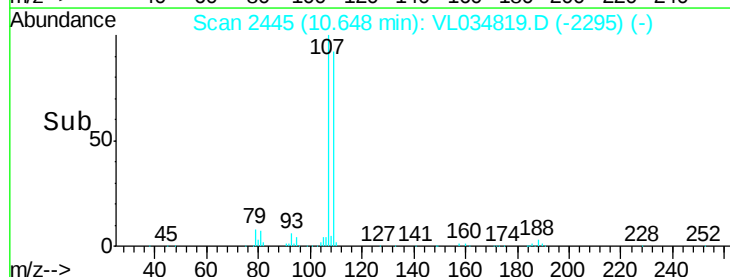
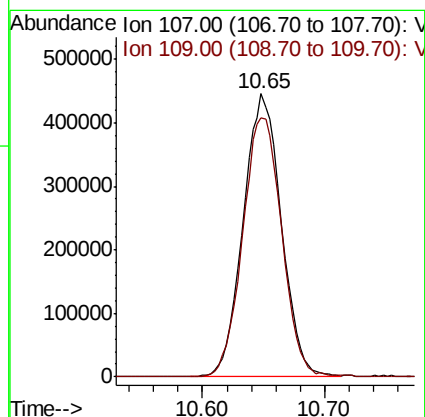
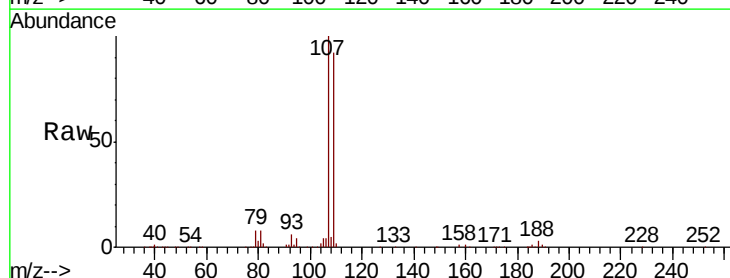
Acq: 6 Mar 2020 15:57

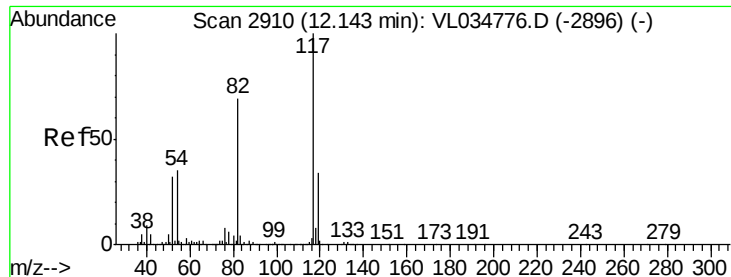
Tgt Ion: 107 Resp: 957935

Ion Ratio Lower Upper

107 100

109 91.6 75.0 112.6





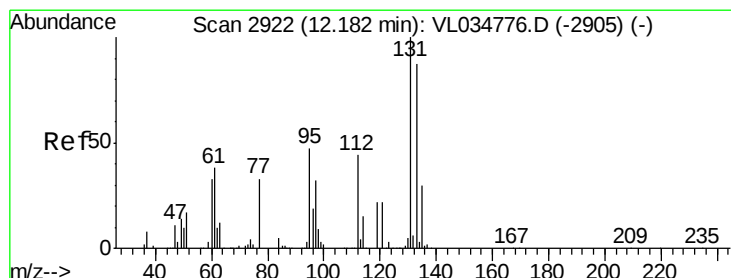
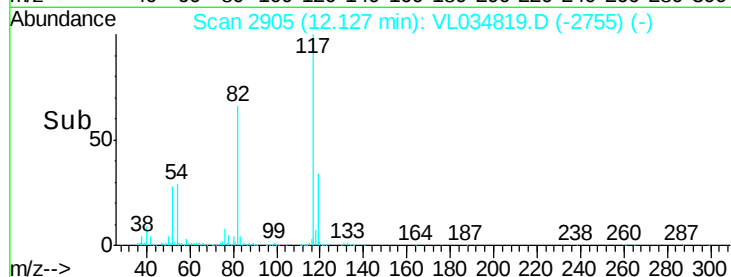
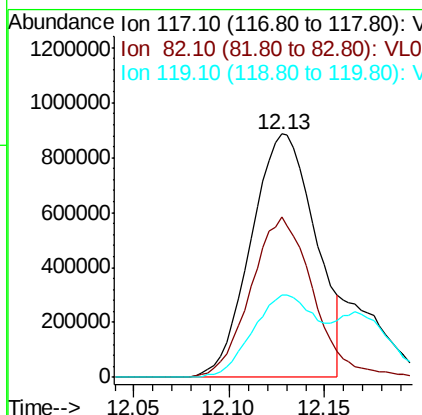
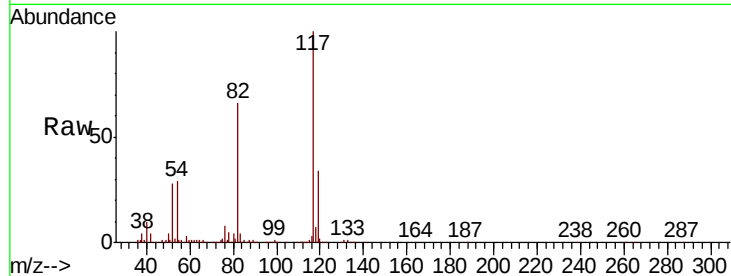
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.13 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.4	53.9	80.9
119	56.3	25.0	37.4#

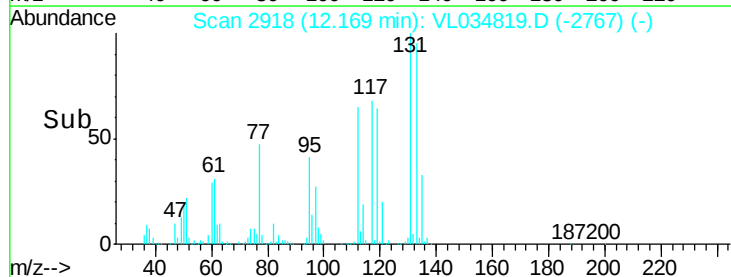
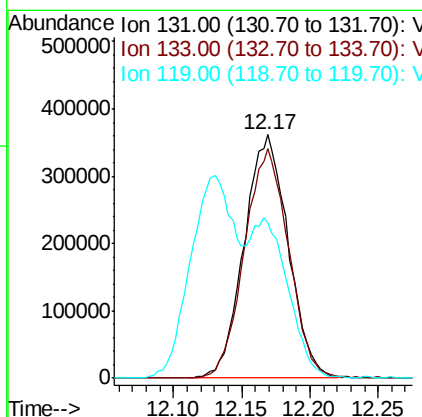
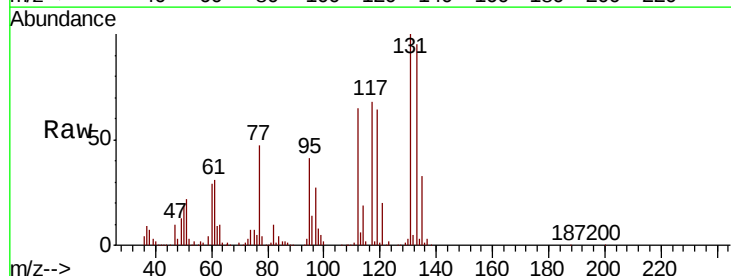
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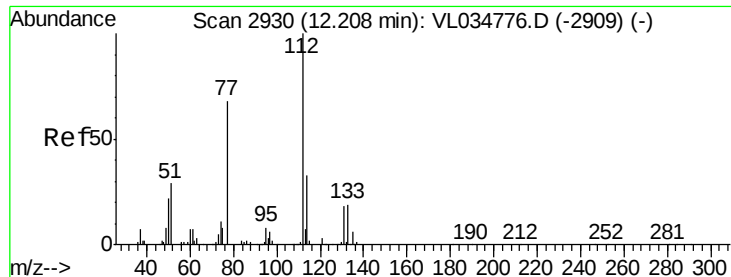
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.778 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	75.4	113.0
119	60.1	110.5	165.7#





#57

Chlorobenzene

Concen: 8.417 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

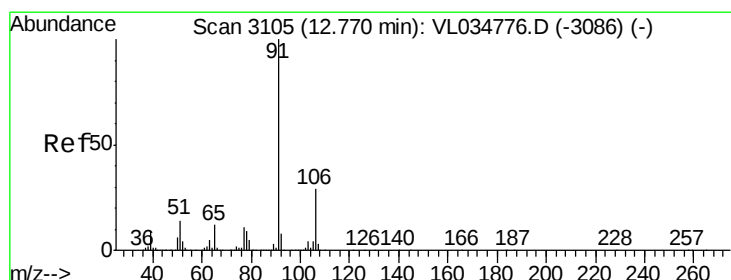
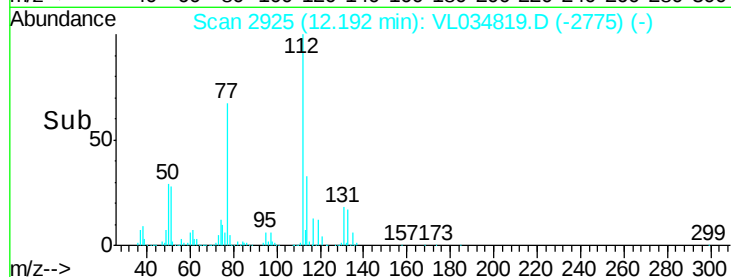
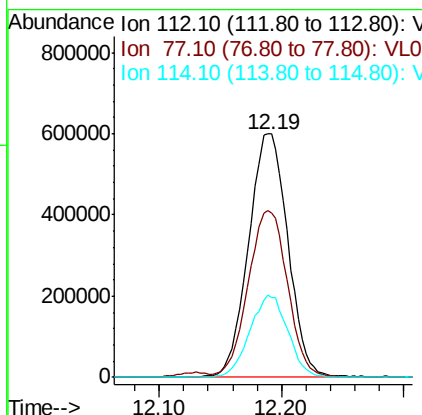
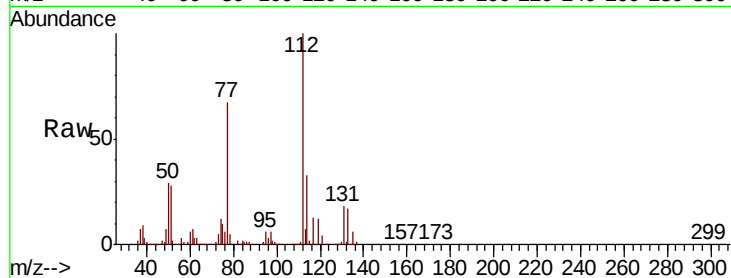
ClientSampleId :

VSTDCCC010

Tot Ion:	112	Resp:	1336134
Ion	Ratio	Lower	Upper
112	100		
77	67.1	55.6	83.4
114	32.6	29.4	36.0

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#58

Ethyl Benzene

Concen: 9.397 ppbv

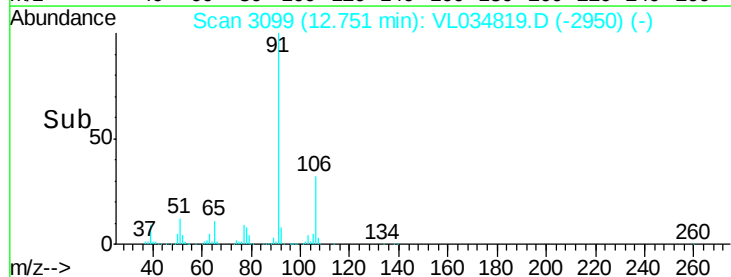
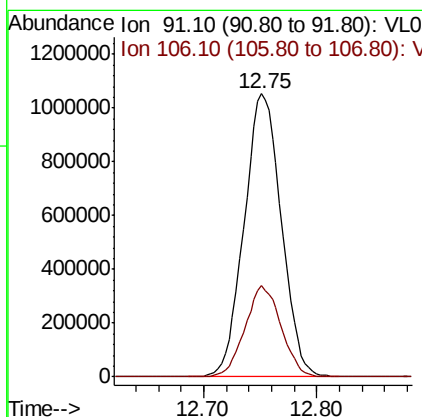
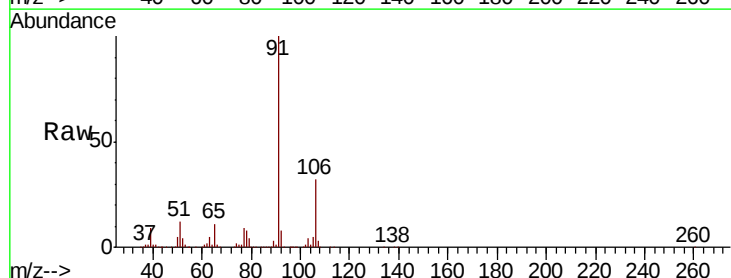
RT: 12.75 min Scan# 3099

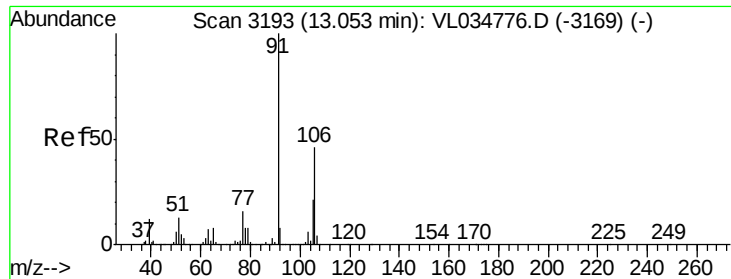
Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Tgt Ion:	91	Resp:	2406404
Ion	Ratio	Lower	Upper
91	100		
106	32.3	22.8	34.2





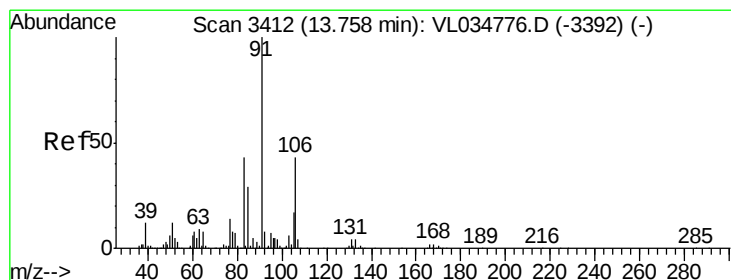
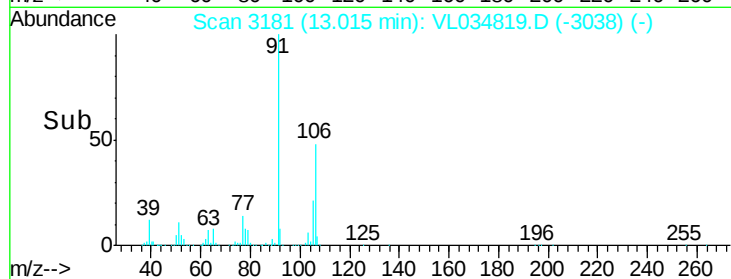
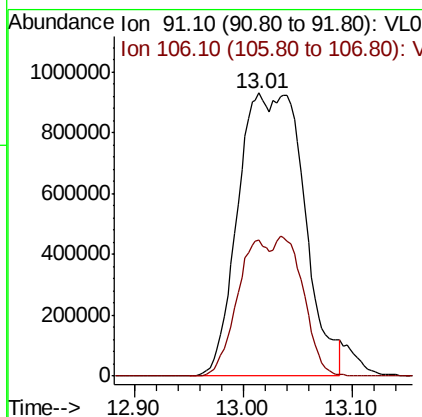
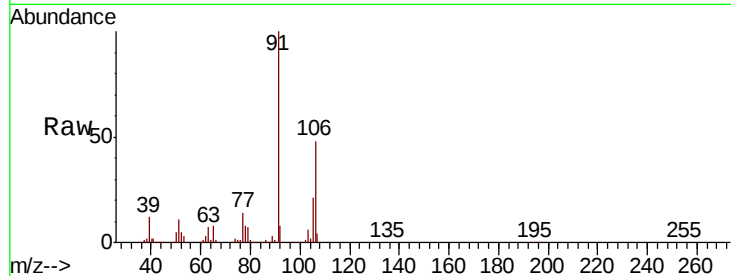
#59
m/p-Xylene
Concen: 17.588 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3898713
Ion Ratio Lower Upper
91 100
106 46.6 35.8 53.8

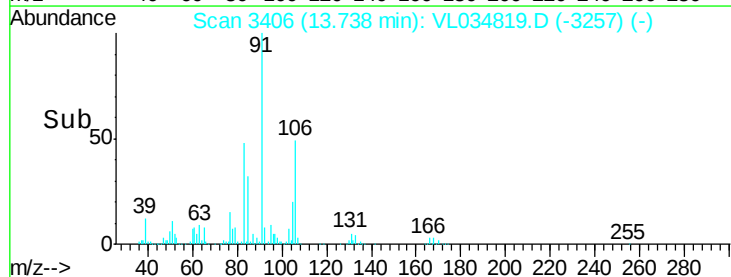
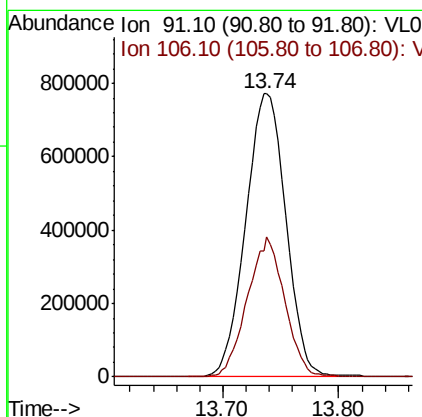
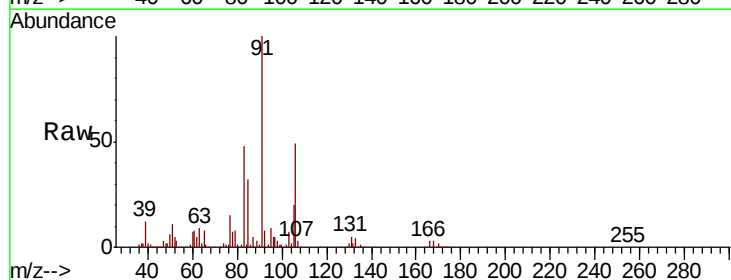
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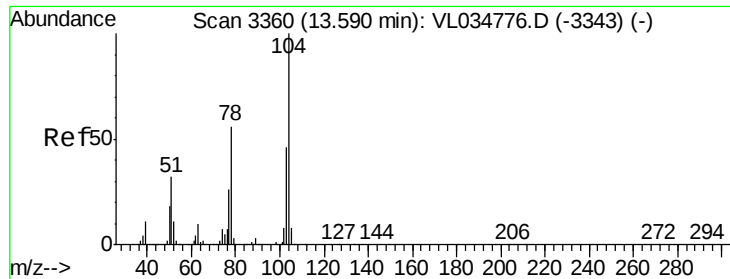
MMDadoda
3/9/2020 9:20:23 AM



#60
o-Xylene
Concen: 8.266 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion: 91 Resp: 1854023
Ion Ratio Lower Upper
91 100
106 46.1 21.7 65.1





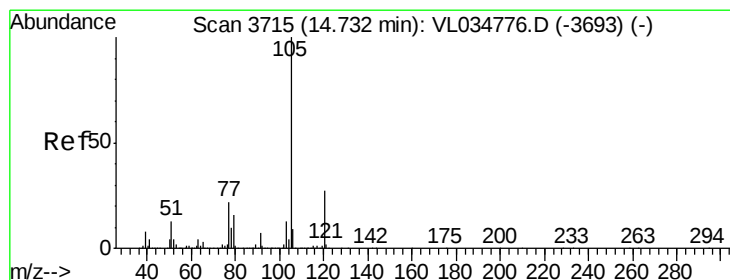
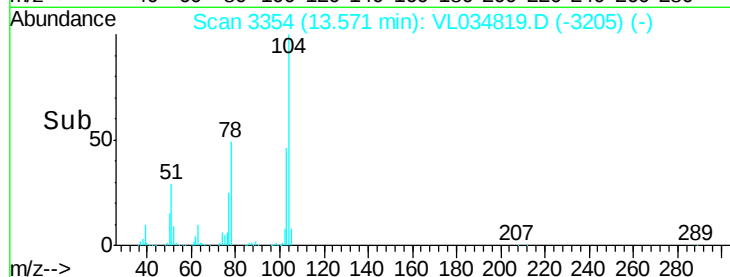
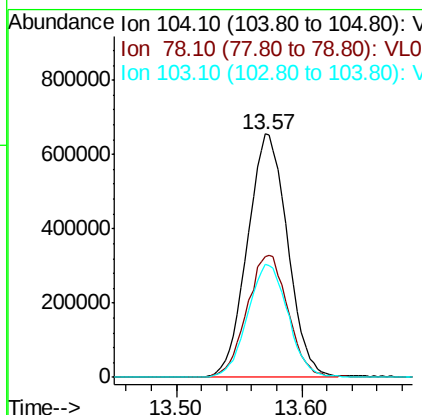
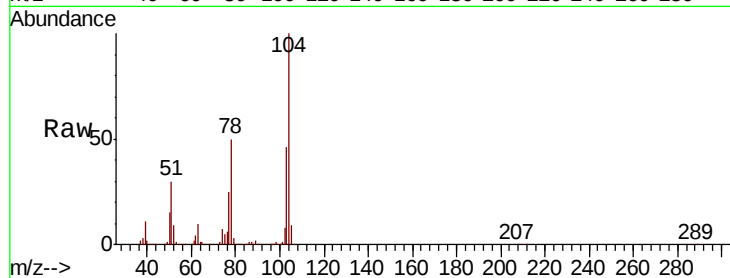
#61
Stvrene
Concen: 10.477 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.5	44.7	67.1
103	46.7	38.2	57.2

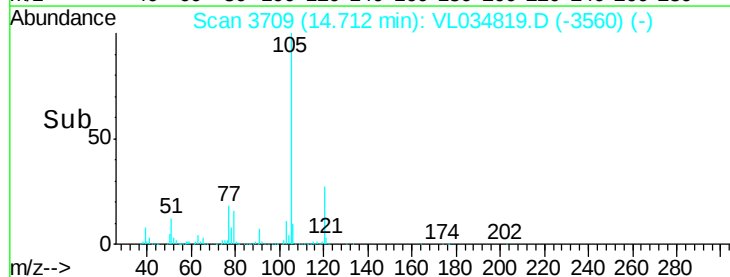
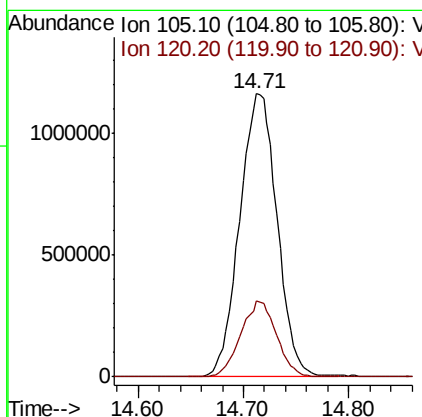
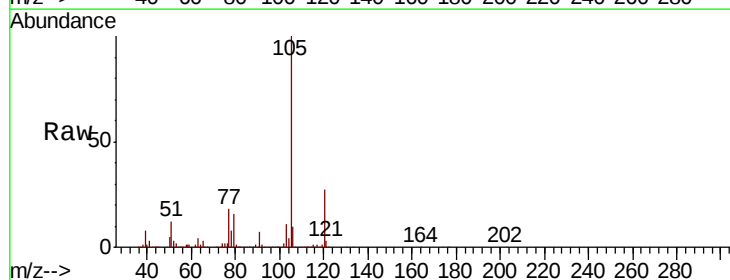
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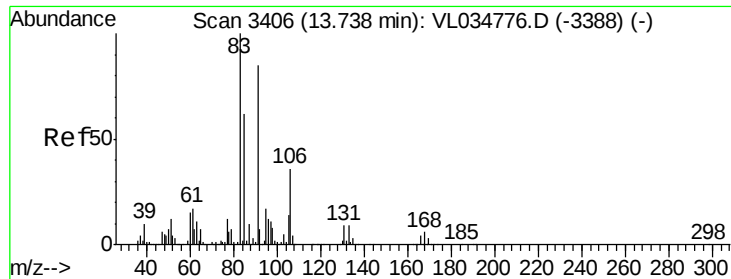
MMDadoda
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#62
Isopropylbenzene
Concen: 8.686 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.5	30.7





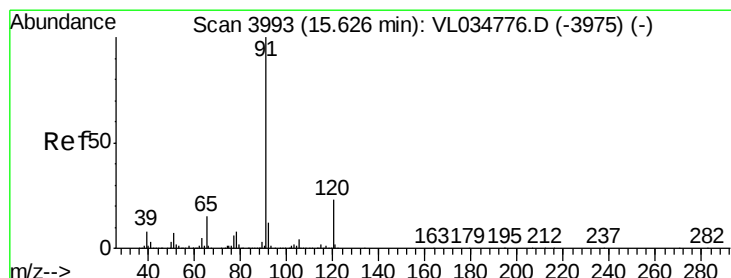
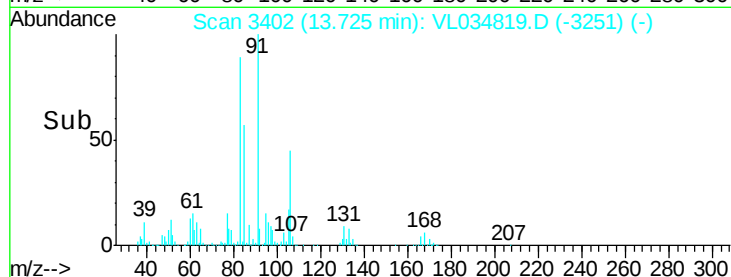
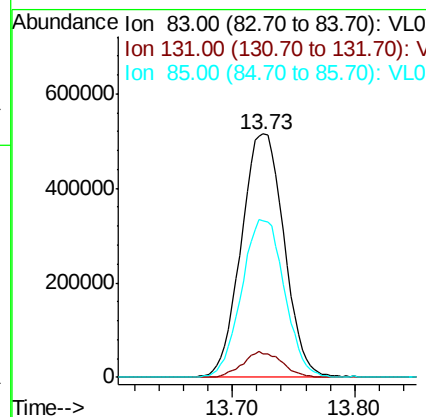
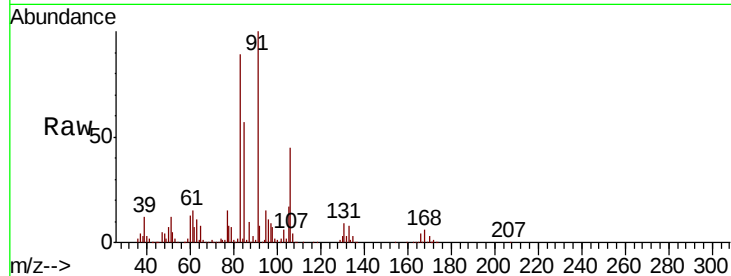
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.064 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	83	Resp	1248982
Ion Ratio	100	Lower	Upper
83	100		
131	9.7	4.7	14.0
85	64.7	32.9	98.7

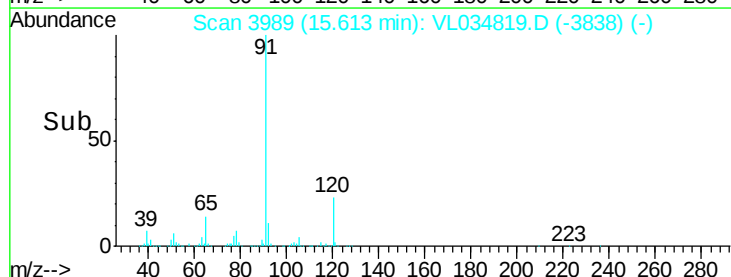
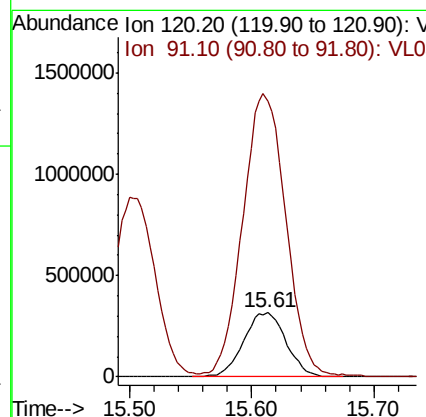
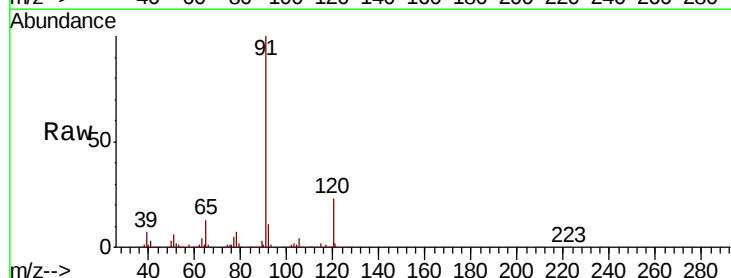
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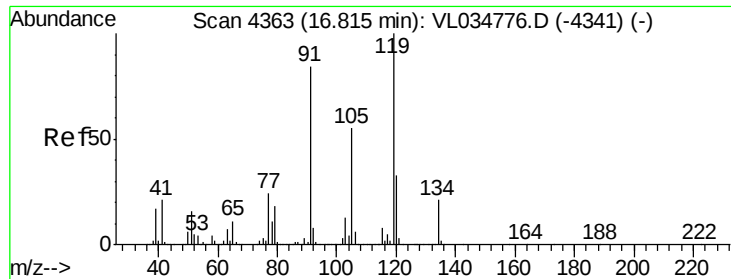
MMDadoda
 3/9/2020 9:20:23 AM



#64
 n-propylbenzene
 Concen: 9.185 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. -0.01 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	120	Resp	760205
Ion Ratio	100	Lower	Upper
120	100		
91	451.2	379.4	569.2





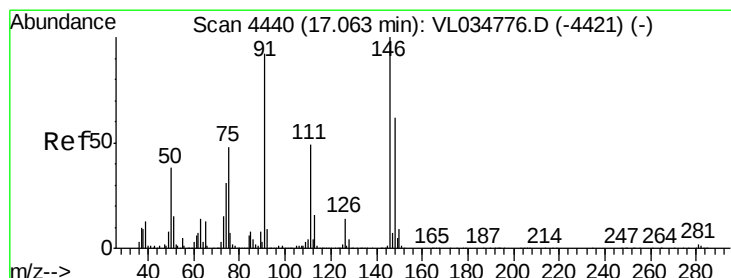
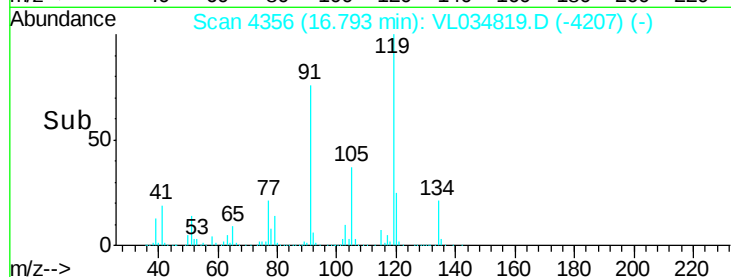
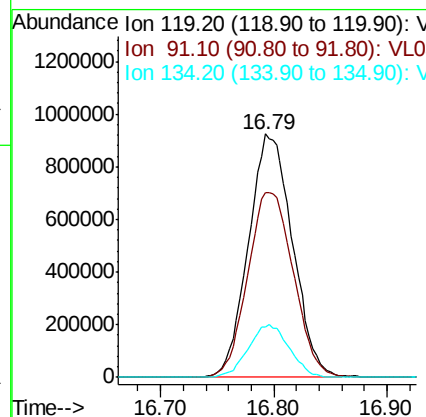
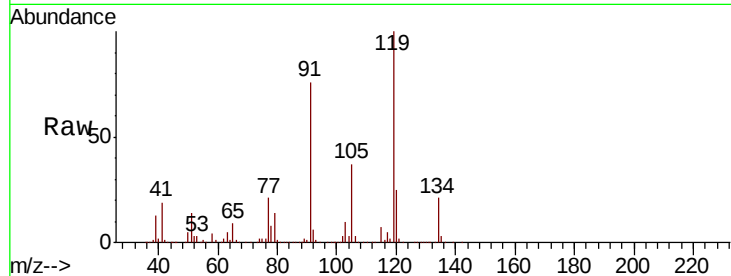
#65
tert-Butylbenzene
Concen: 8.957 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.1	69.8	104.6
134	20.2	15.9	23.9

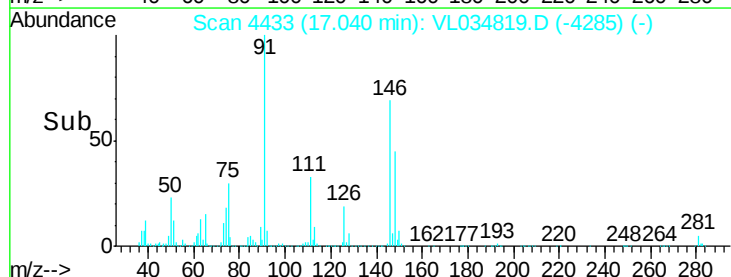
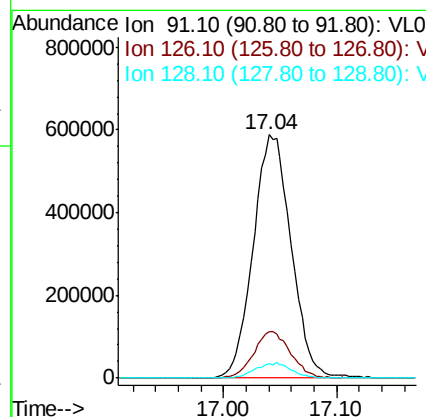
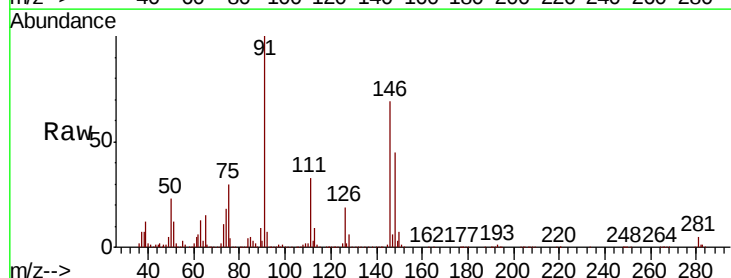
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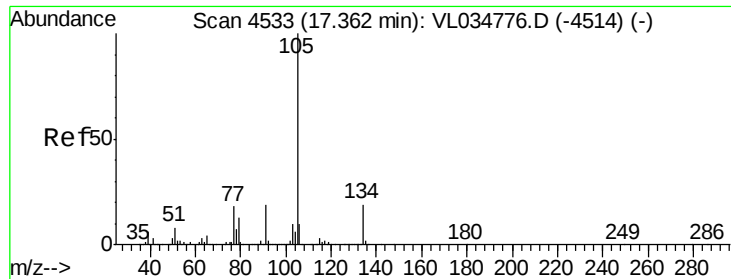
MMDadoda
3/9/2020 9:20:23 AM



#66
Benzyl Chloride
Concen: 15.175 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. -0.02 min
Lab File: VL034819.D
Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.6	12.6	18.8
128	6.0	4.3	6.5





#67

sec-Butylbenzene

Concen: 8.605 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 3497788

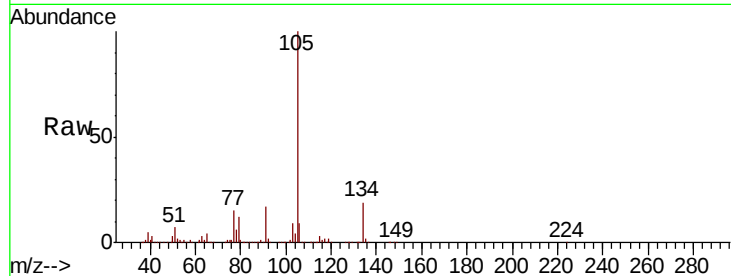
Ion Ratio Lower Upper

105 100

134 18.8 14.7 22.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.35

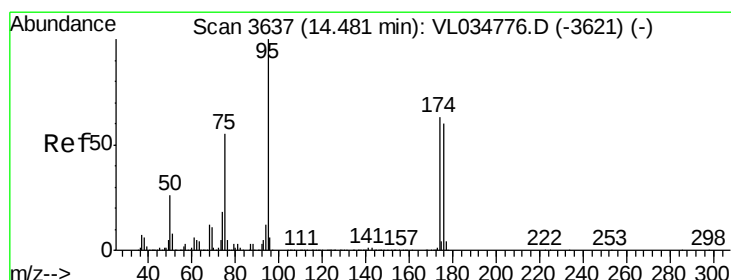
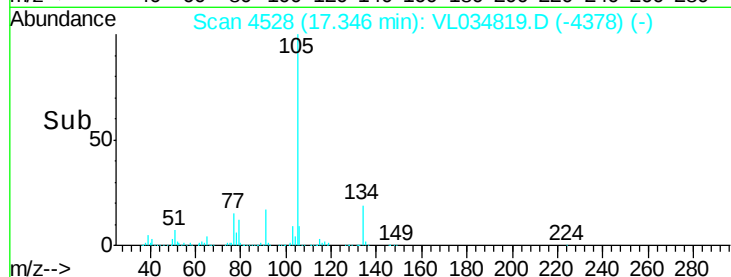
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.220 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

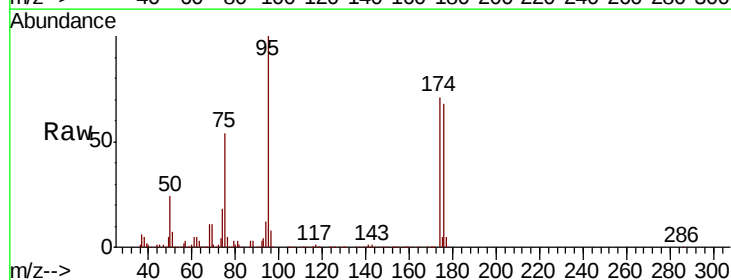
Tgt Ion: 95 Resp: 1597551

Ion Ratio Lower Upper

95 100

174 70.3 50.6 76.0

175 5.7 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

14.46

800000

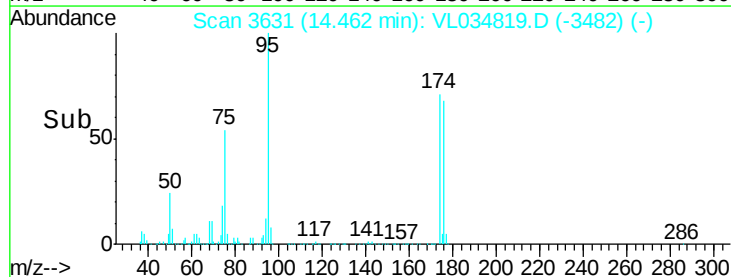
600000

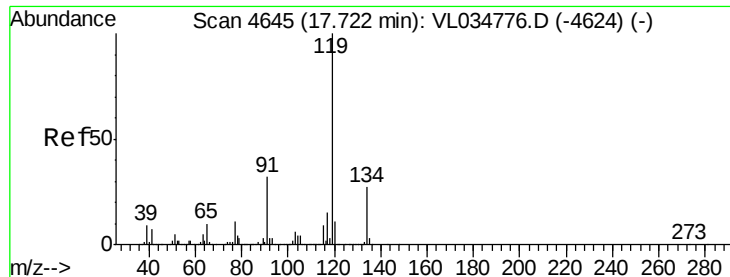
400000

200000

0

Time-->





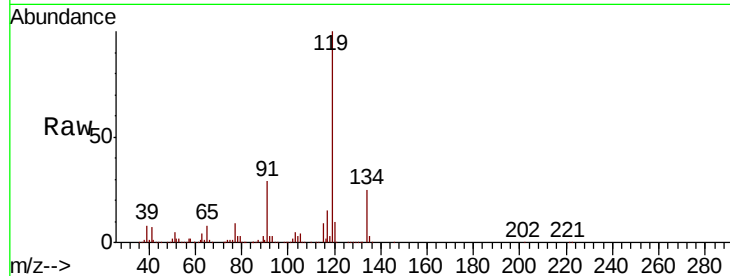
#69
 p-Isopropyltoluene
 Concen: 9.124 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

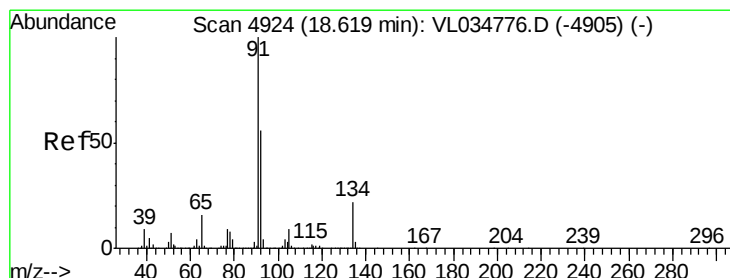
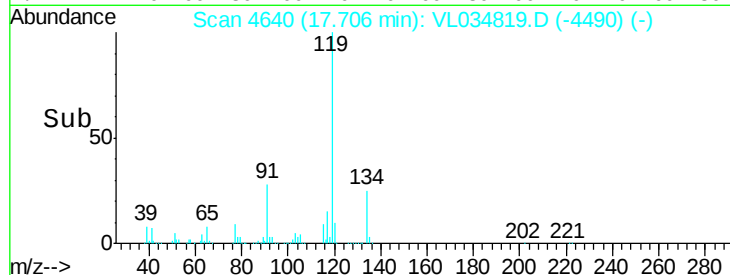
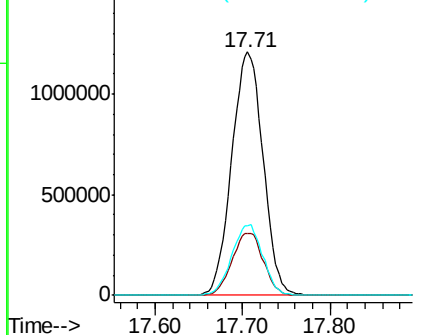
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	28.6	25.3	37.9

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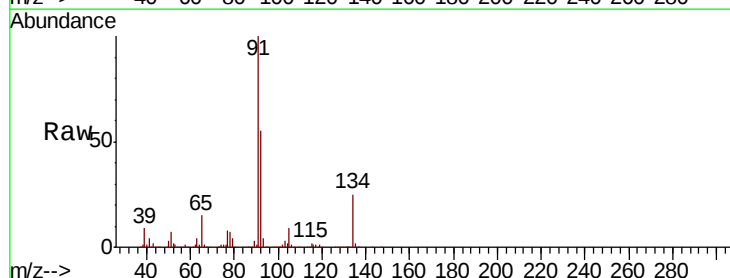


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

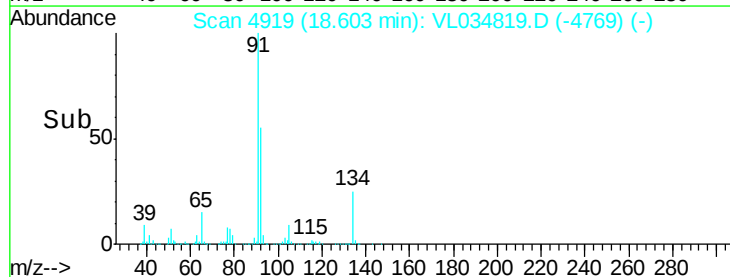
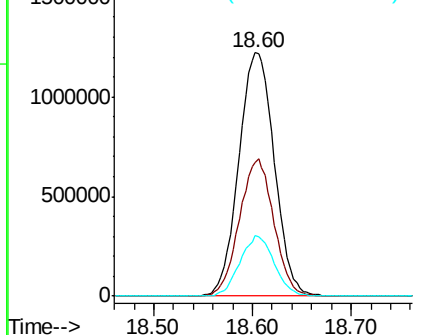


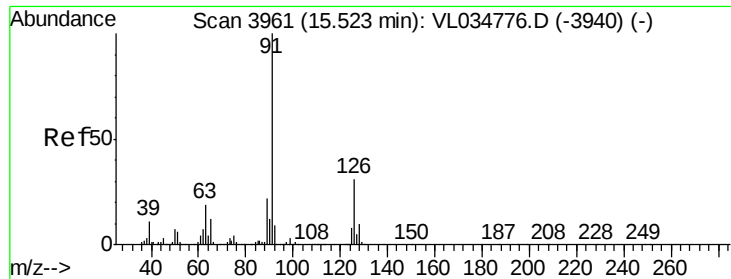
#70
 n-Butylbenzene
 Concen: 8.450 ppbv
 RT: 18.60 min Scan# 4919
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.0	17.7	26.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





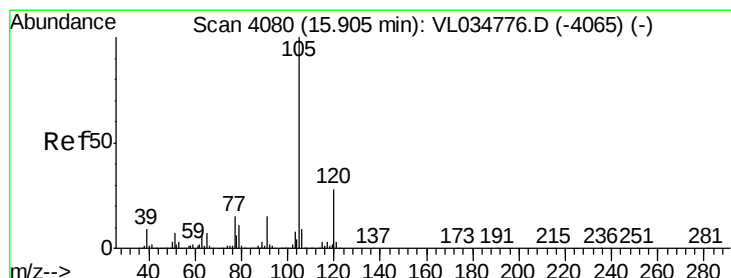
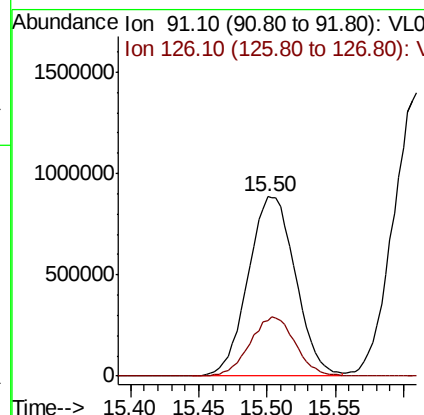
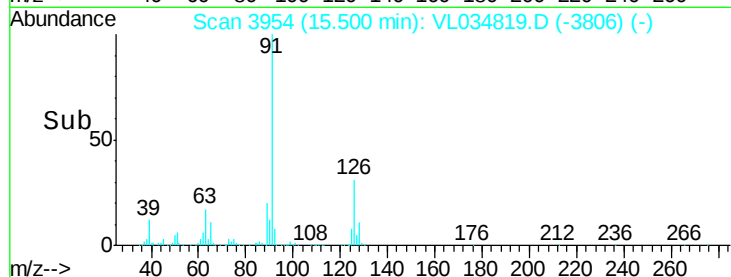
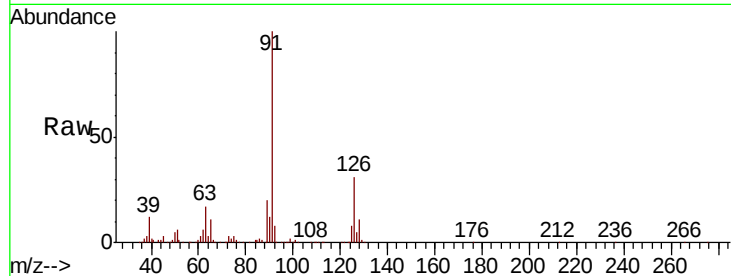
#71
 2-Chlorotoluene
 Concen: 8.572 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2137143
 Ion Ratio Lower Upper
 91 100
 126 31.7 11.7 46.7

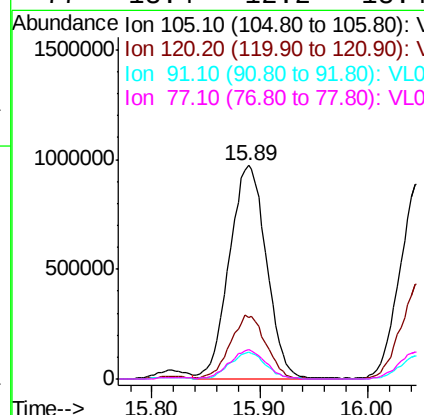
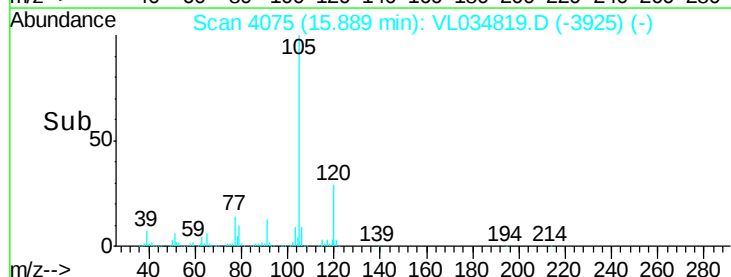
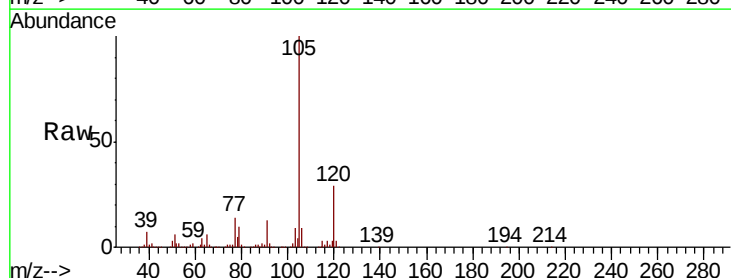
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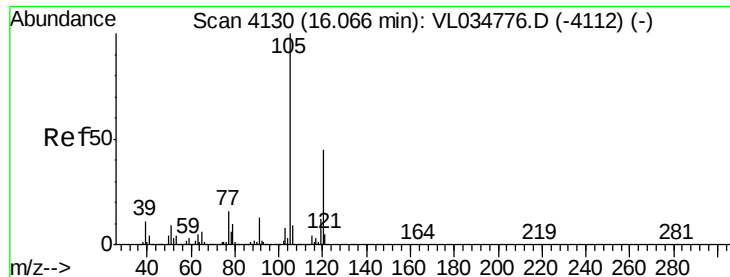
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#72
 4-Ethyltoluene
 Concen: 9.301 ppbv
 RT: 15.89 min Scan# 4075
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion: 105 Resp: 2322569
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.0 34.6
 91 12.1 11.1 16.7
 77 13.4 12.2 18.4





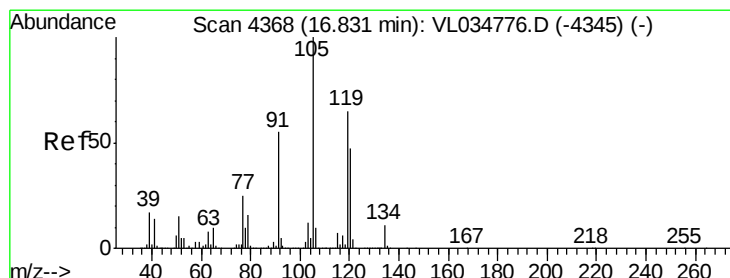
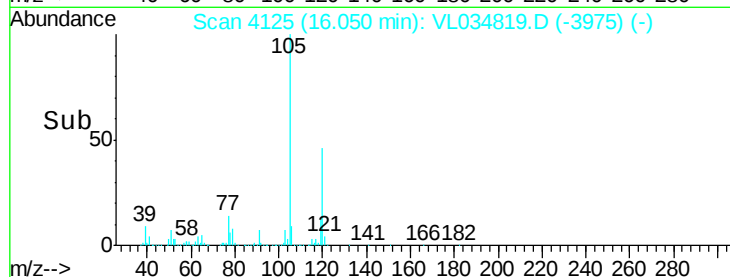
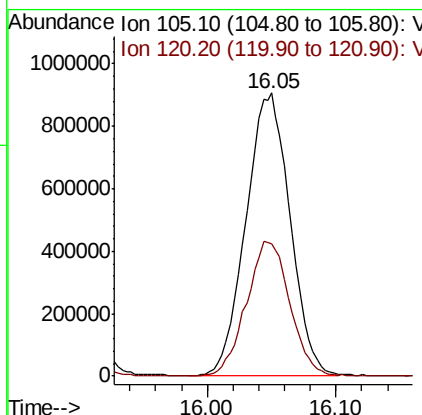
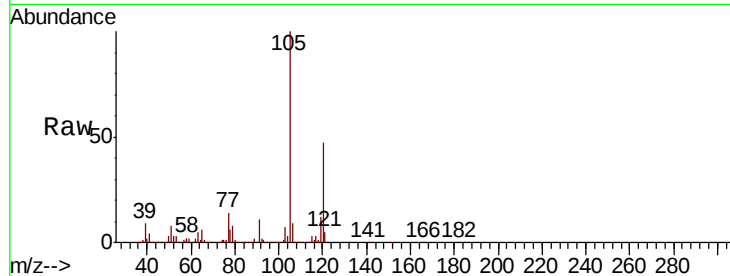
#73
 1,3,5-Trimethylbenzene
 Concen: 8.948 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2143252
 Ion Ratio Lower Upper
 105 100
 120 46.7 35.6 53.4

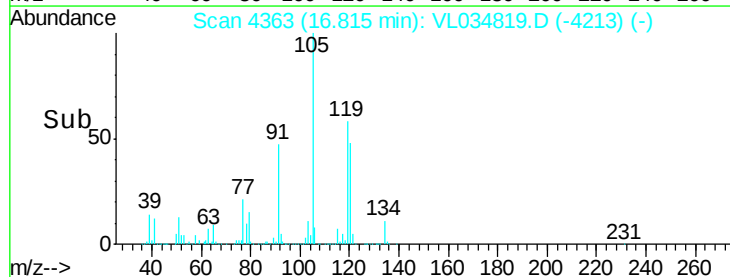
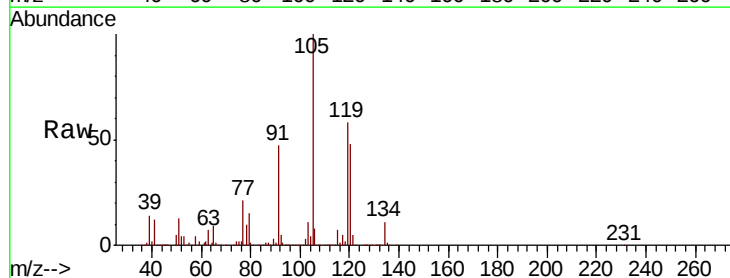
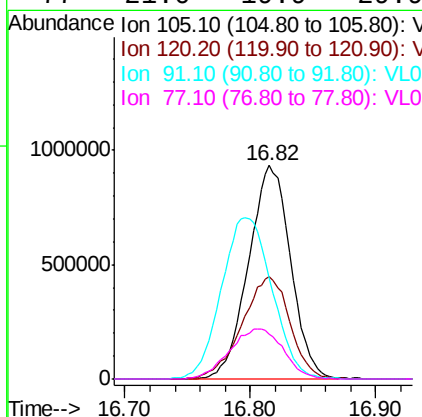
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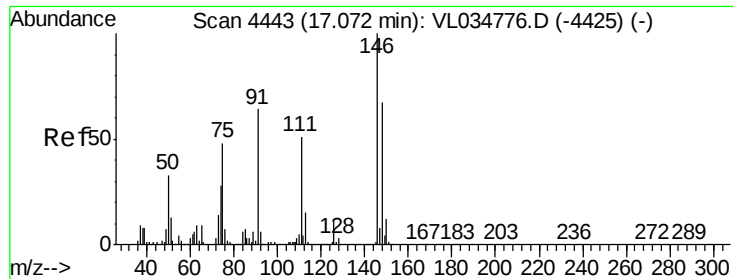
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.369 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion:105 Resp: 2179211
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.8 56.6
 91 46.8 43.8 65.8
 77 21.0 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 8.552 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1318252

Ion Ratio Lower Upper

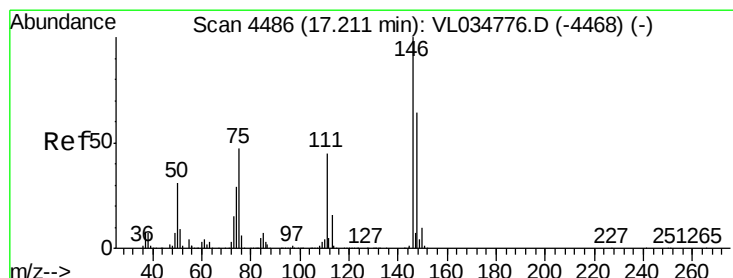
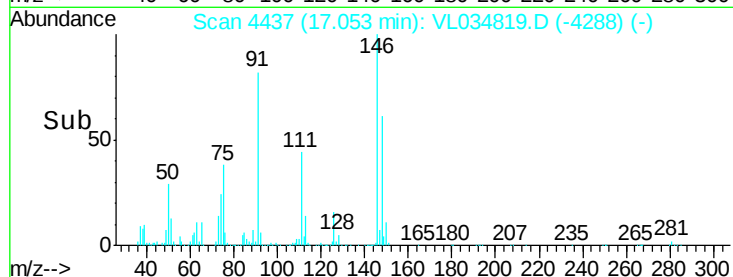
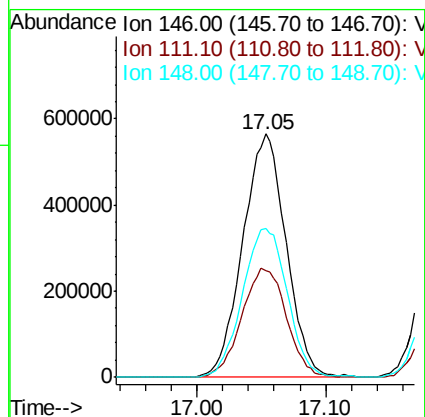
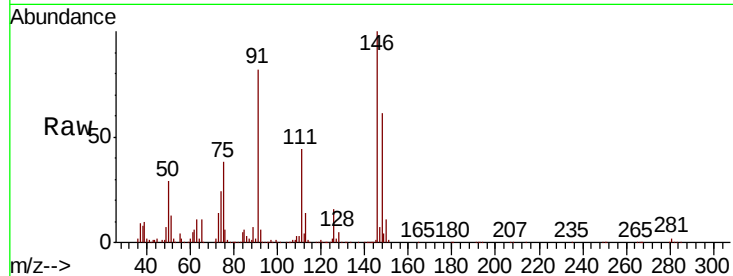
146 100

111 46.5 24.7 74.1

148 63.7 31.8 95.4

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#76

1,4-Dichlorobenzene

Concen: 9.042 ppbv

RT: 17.19 min Scan# 4481

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

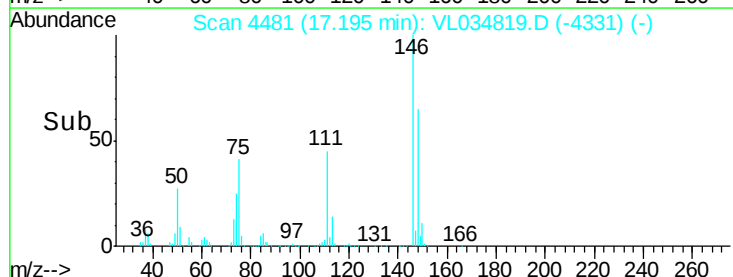
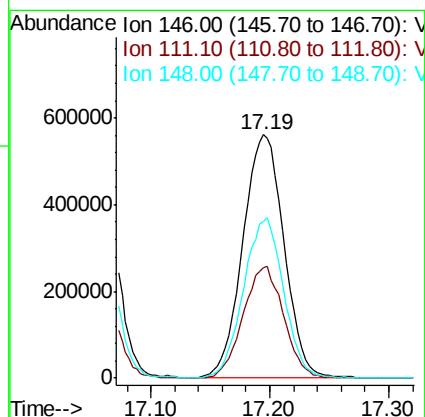
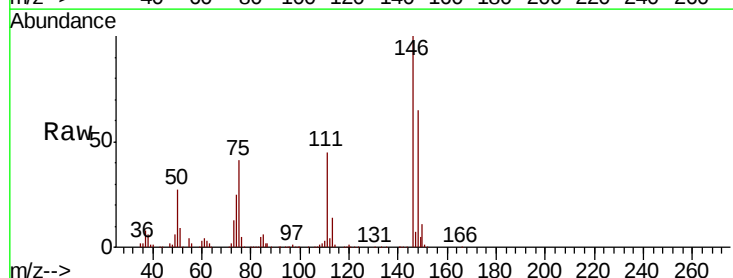
Tgt Ion:146 Resp: 1333662

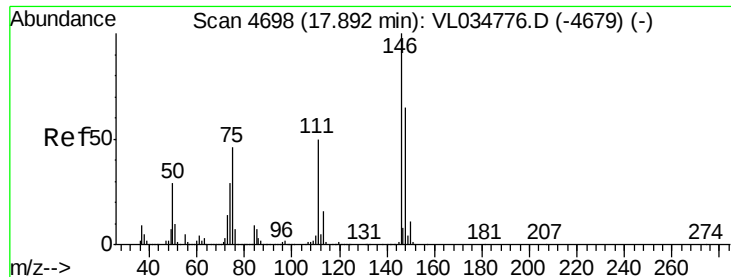
Ion Ratio Lower Upper

146 100

111 45.3 23.5 70.5

148 64.8 32.2 96.6





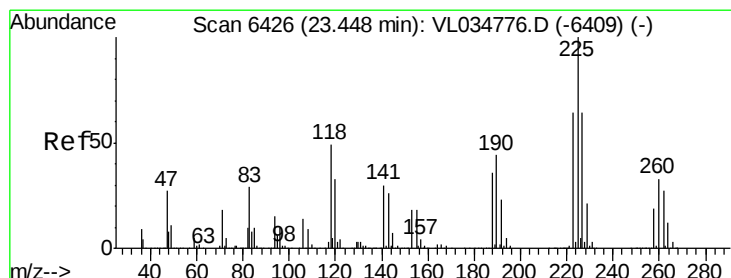
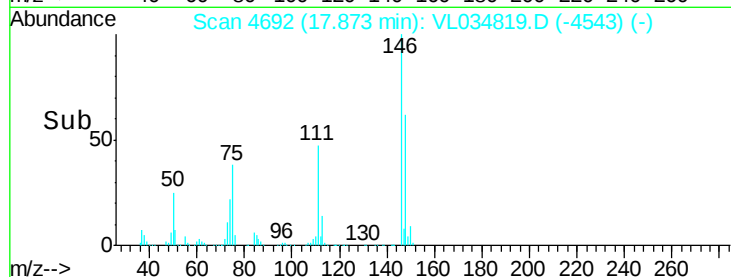
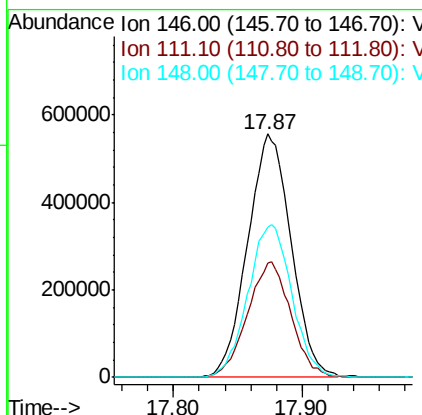
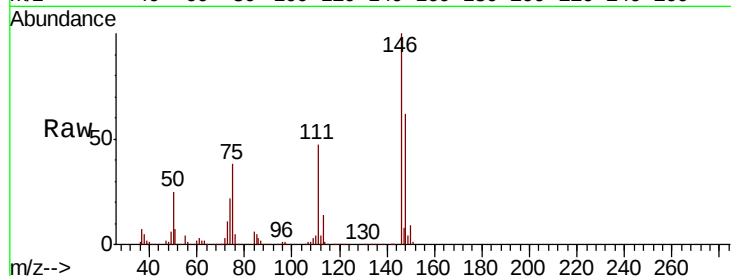
#77
 1,2-Dichlorobenzene
 Concen: 8.842 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	25.3	75.8
148	63.6	32.3	96.9

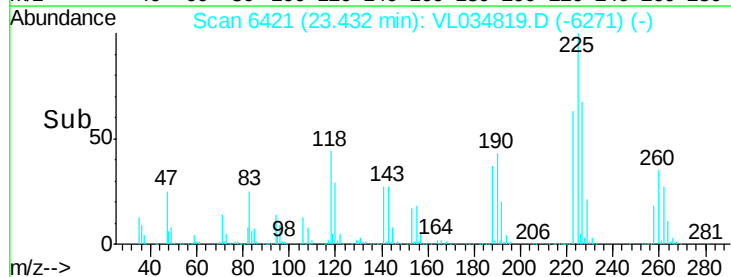
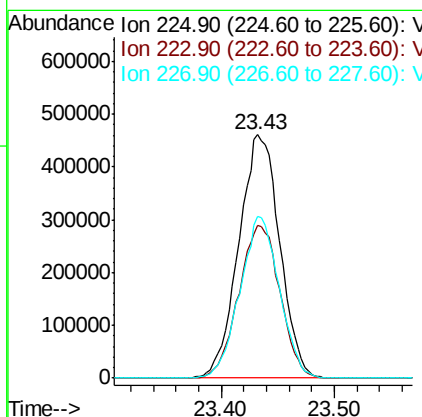
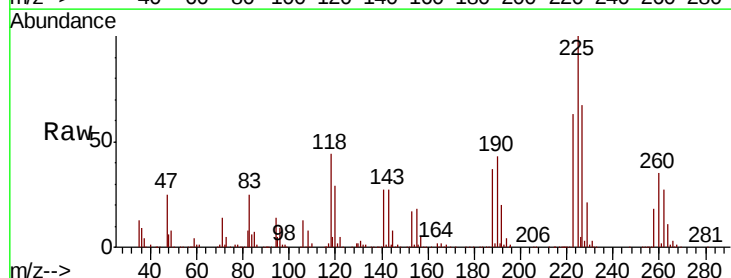
Manual Integrations
 APPROVED

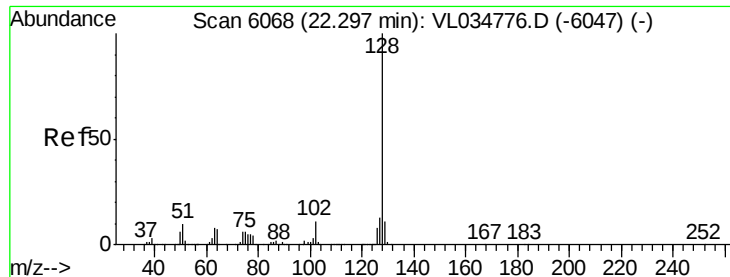
MMDadoda
 3/9/2020 9:20:23 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.413 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.3	76.9
227	64.1	51.9	77.9





#79

Naphthalene

Concen: 12.287 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. -0.02 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 2404306

Ion Ratio Lower Upper

128 100

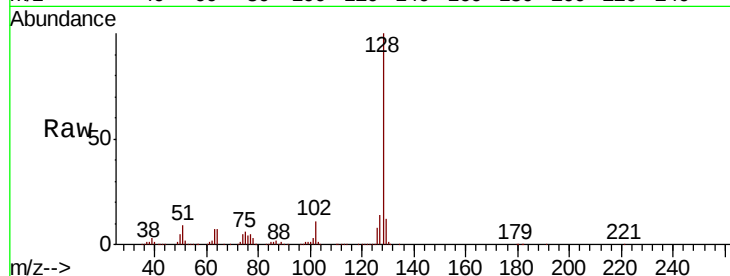
127 13.7 10.2 15.4

129 12.5 9.0 13.6

Manual Integrations
APPROVED

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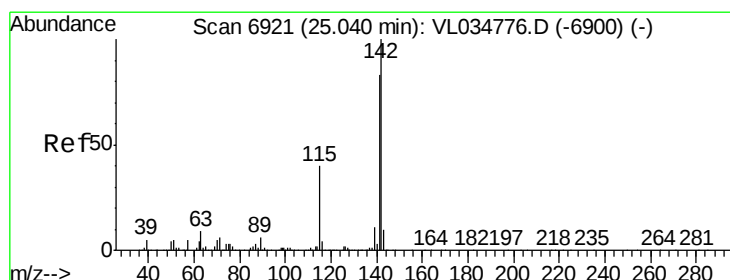
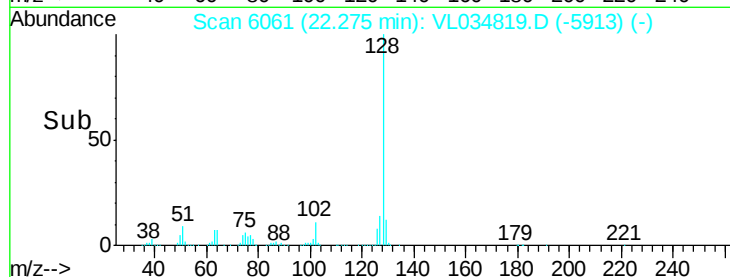
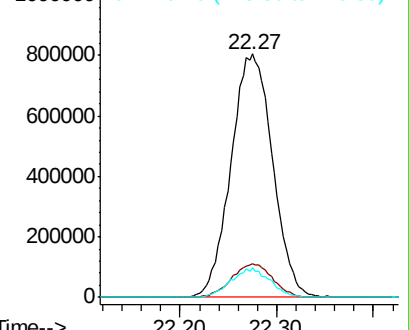
3/9/2020 9:20:23 AM



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: 14.617 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. -0.01 min

Lab File: VL034819.D

Acq: 6 Mar 2020 15:57

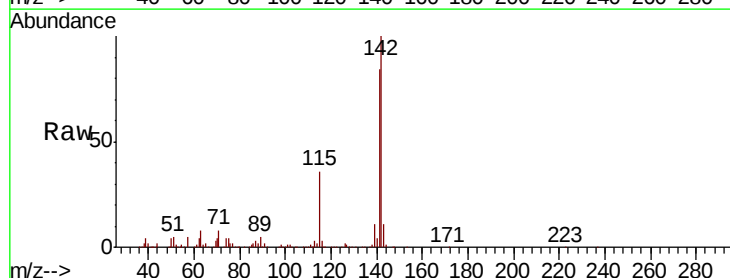
Tgt Ion:142 Resp: 683184

Ion Ratio Lower Upper

142 100

141 84.0 67.7 101.5

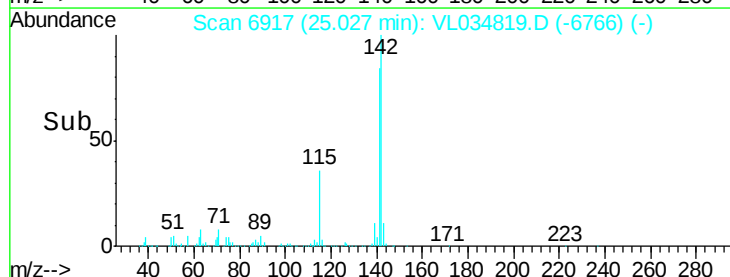
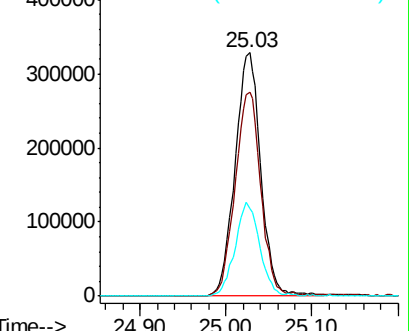
115 37.5 30.7 46.1

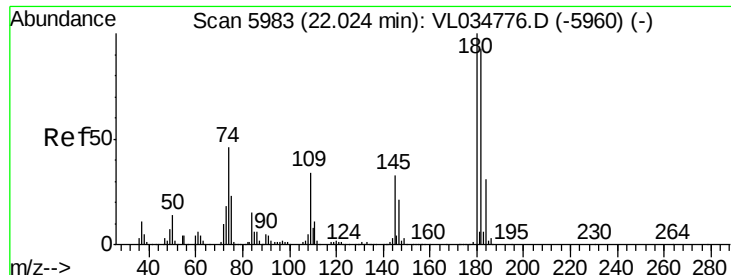


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.242 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. -0.02 min
 Lab File: VL034819.D
 Acq: 6 Mar 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.8	115.2
184	31.5	24.8	37.2

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:23 AM

