

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061156.D
 Acq On : 27 Apr 2020 18:44
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN042720

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 9:59:35 AM

Quant Time: Apr 28 02:24:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	129921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	225231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101477	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99665	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.55	113	66703	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.06	98	270254	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.38	95	102206	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	70109	50.888	ug/l	100
3) Chloromethane	2.03	50	80070	47.987	ug/l	100
4) Vinyl Chloride	2.16	62	91855	48.468	ug/l	99
5) Bromomethane	2.54	94	43939	46.903	ug/l	100
6) Chloroethane	2.67	64	56890	47.360	ug/l	98
7) Trichlorofluoromethane	2.98	101	103065	48.202	ug/l	99
8) Diethyl Ether	3.37	74	45130	50.603	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65338	47.433	ug/l	100
10) Methyl Iodide	3.91	142	88564	50.029	ug/l	99
11) Tert butyl alcohol	4.73	59	67888	246.522	ug/l	99
12) 1,1-Dichloroethene	3.70	96	65552	47.821	ug/l	99
13) Acrolein	3.56	56	40545	220.934	ug/l	98
14) Allyl chloride	4.27	41	136656	53.767	ug/l	100
15) Acrylonitrile	4.93	53	210719	249.267	ug/l	99
16) Acetone	3.77	43	185020	232.322	ug/l	99
17) Carbon Disulfide	4.01	76	188460	49.771	ug/l	99
18) Methyl Acetate	4.27	43	119801	46.218	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	252101	48.130	ug/l	99
20) Methylene Chloride	4.50	84	75631	47.181	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	73767	49.420	ug/l	97
22) Diisopropyl ether	5.90	45	289603	49.136	ug/l	99
23) Vinyl Acetate	5.84	43	1198893	252.630	ug/l	100
24) 1,1-Dichloroethane	5.80	63	146778	47.664	ug/l	99
25) 2-Butanone	6.78	43	299971	246.595	ug/l	99
26) 2,2-Dichloropropane	6.77	77	123465	47.600	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	84969	48.508	ug/l	99
28) Bromochloromethane	7.15	49	65403	44.809	ug/l	99
29) Tetrahydrofuran	7.16	42	206646	252.183	ug/l	99
30) Chloroform	7.33	83	147593	47.295	ug/l	99
31) Cyclohexane	7.61	56	139388	46.608	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	130347	47.966	ug/l	100
36) 1,1-Dichloropropene	7.75	75	110626	49.065	ug/l	100
37) Ethyl Acetate	6.88	43	128834	48.741	ug/l	99
38) Carbon Tetrachloride	7.73	117	96270	53.393	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	126334	47.188	ug/l	100
40) Benzene	8.00	78	324328	48.283	ug/l	99
41) Methacrylonitrile	7.12	41	52028	47.408	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	124077	48.759	ug/l	99
43) Isopropyl Acetate	8.13	43	218216	49.745	ug/l	99
44) Trichloroethene	8.80	130	86628	47.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	84782	47.244	ug/l	98
46) Dibromomethane	9.17	93	55605	50.043	ug/l	99
47) Bromodichloromethane	9.37	83	119077	49.928	ug/l	99
48) Methyl methacrylate	9.17	41	98848	49.935	ug/l	97
49) 1,4-Dioxane	9.16	88	19905	885.849	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	656248	254.153	ug/l	100
52) Toluene	10.12	92	201567	49.819	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	135234	50.323	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	141433	49.782	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	77837	48.231	ug/l	99
56) Ethyl methacrylate	10.40	69	129221	46.171	ug/l	99
57) 1,3-Dichloropropane	10.68	76	141802	49.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	325802	249.407	ug/l	100
59) 2-Hexanone	10.72	43	484335	257.827	ug/l	100
60) Dibromochloromethane	10.87	129	84206	49.819	ug/l	99
61) 1,2-Dibromoethane	10.98	107	81463	50.363	ug/l	100
64) Tetrachloroethene	10.60	164	87826	48.573	ug/l	99
65) Chlorobenzene	11.41	112	205141	49.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	75202	50.738	ug/l	99
67) Ethyl Benzene	11.48	91	392945	50.688	ug/l	99
68) m/p-Xylenes	11.60	106	287267	101.238	ug/l	98
69) o-Xylene	11.92	106	138485	50.808	ug/l	98
70) Styrene	11.94	104	239445	52.488	ug/l	100
71) Bromoform	12.10	173	57865	53.121	ug/l #	99
73) Isopropylbenzene	12.22	105	376408	50.456	ug/l	99
74) N-amyl acetate	12.04	43	197767	52.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	116101	49.911	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	105875m	49.488	ug/l	
77) Bromobenzene	12.50	156	85574	49.691	ug/l	98
78) n-propylbenzene	12.57	91	448403	50.676	ug/l	100
79) 2-Chlorotoluene	12.65	91	261286	50.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315623	51.118	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	43376	51.487	ug/l	99
82) 4-Chlorotoluene	12.75	91	276348	50.414	ug/l	100
83) tert-Butylbenzene	12.97	119	265905	51.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	321547	50.547	ug/l	100
85) sec-Butylbenzene	13.15	105	367394	51.759	ug/l	100
86) p-Isopropyltoluene	13.26	119	329215	51.478	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	157440	49.661	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	158566	48.952	ug/l	99
89) n-Butylbenzene	13.59	91	303786	51.815	ug/l	99
90) Hexachloroethane	13.85	117	30340	46.172	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	149661	49.234	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	26026	52.976	ug/l	99

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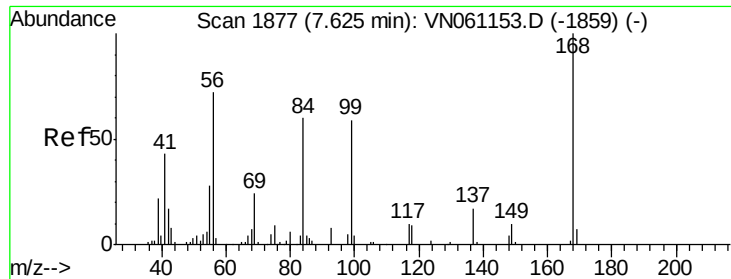
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	94869	51.251	ug/l	100
94) Hexachlorobutadiene	14.98	225	39165	50.645	ug/l	100
95) Naphthalene	15.10	128	313115	51.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	92350	50.532	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

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ICVVN042720

Tot Ion:168 Resp: 129921

Ion Ratio Lower Upper

168 100

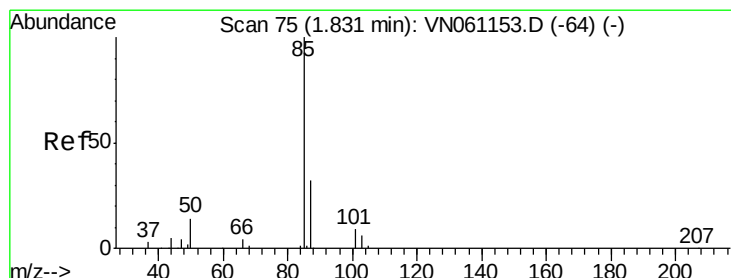
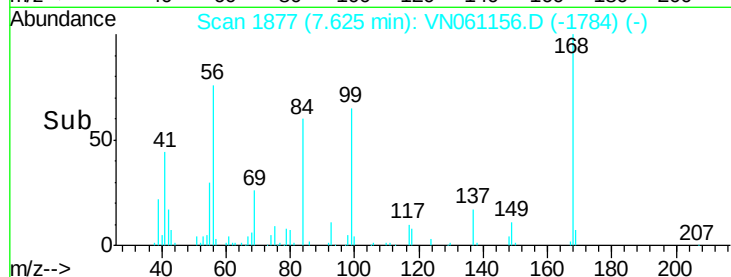
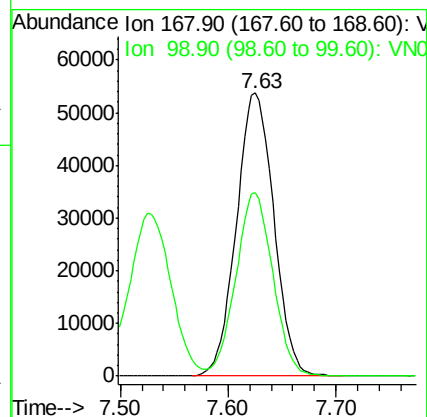
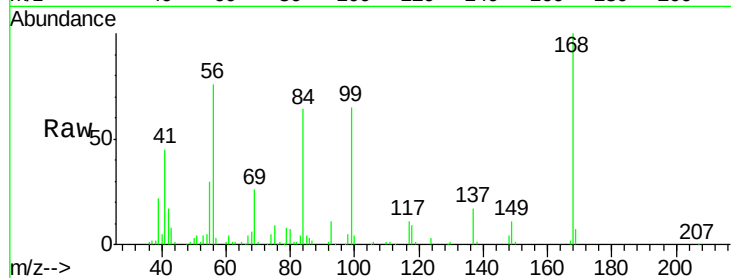
99 64.7 51.2 76.8

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#2

Dichlorodifluoromethane

Concen: 50.888 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061156.D

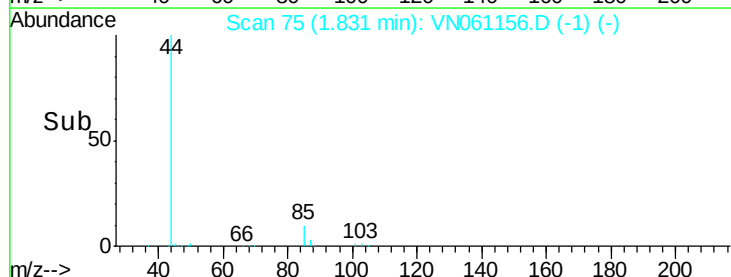
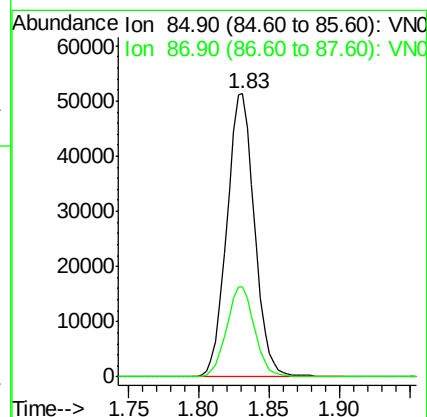
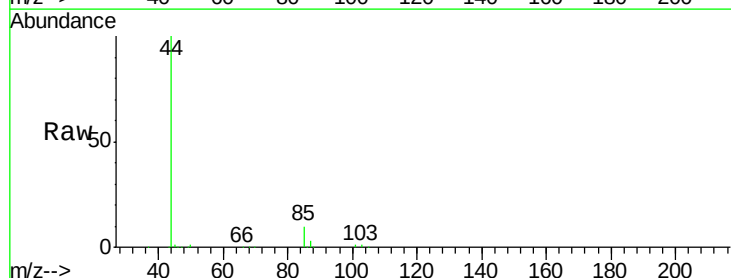
Acq: 27 Apr 2020 18:44

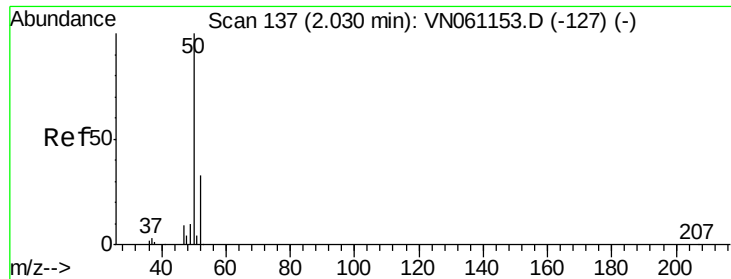
Tgt Ion: 85 Resp: 70109

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2





#3

Chloromethane

Concen: 47.987 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion: 50 Resp: 80070

Ion Ratio Lower Upper

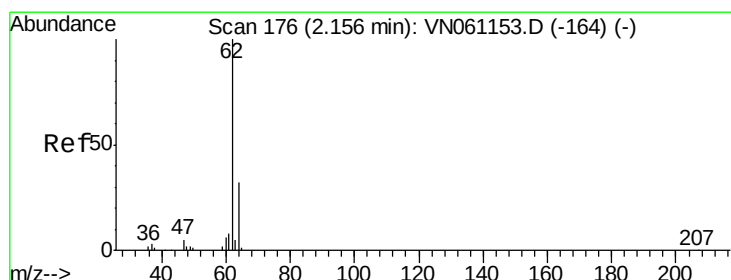
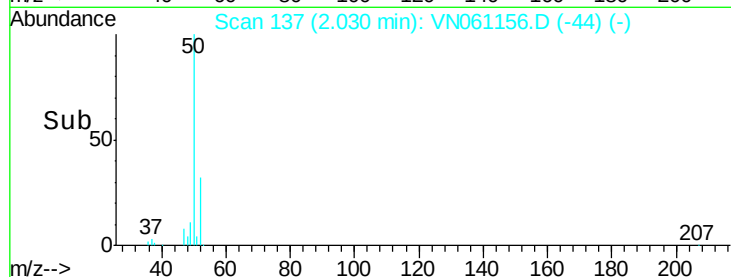
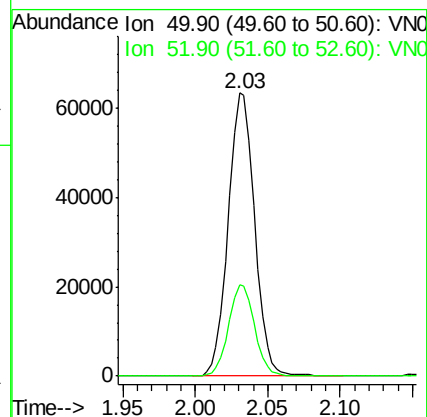
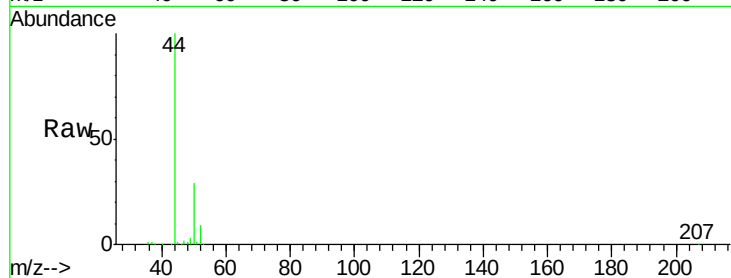
50 100

52 32.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 48.468 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061156.D

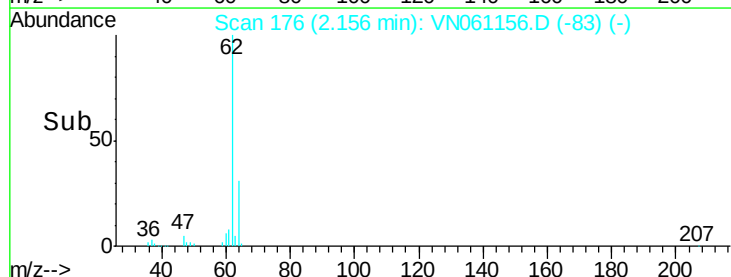
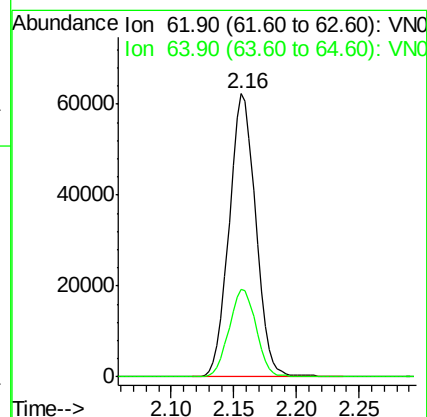
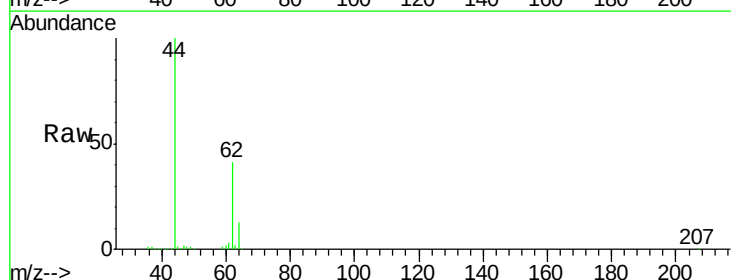
Acq: 27 Apr 2020 18:44

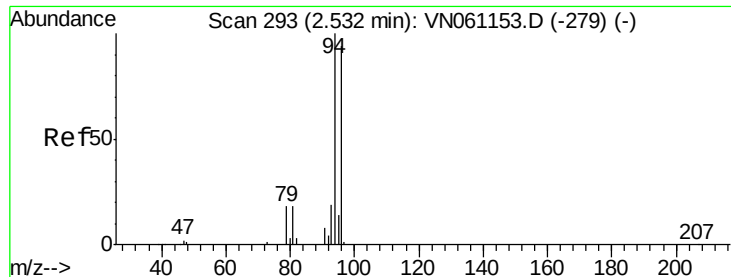
Tgt Ion: 62 Resp: 91855

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 46.903 ug/l

RT: 2.54 min Scan# 294

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 43939

Ion Ratio Lower Upper

94 100

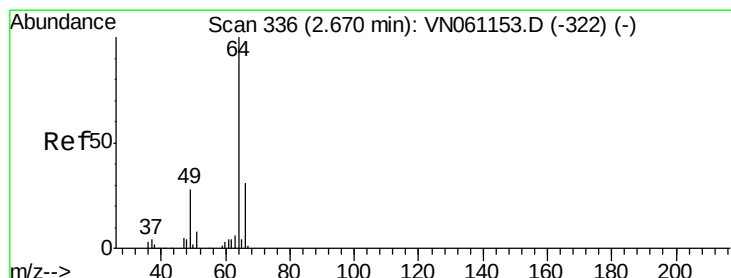
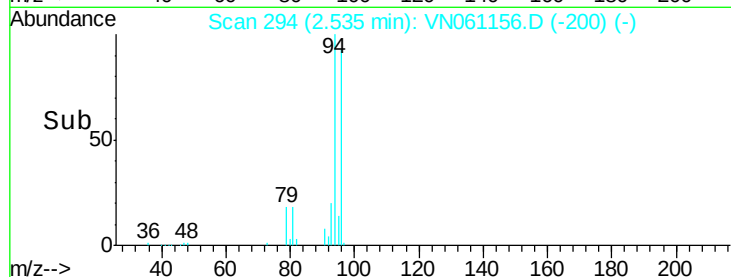
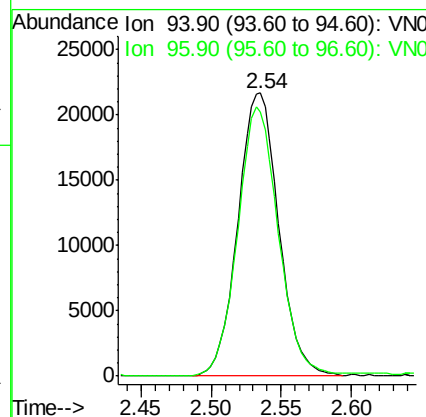
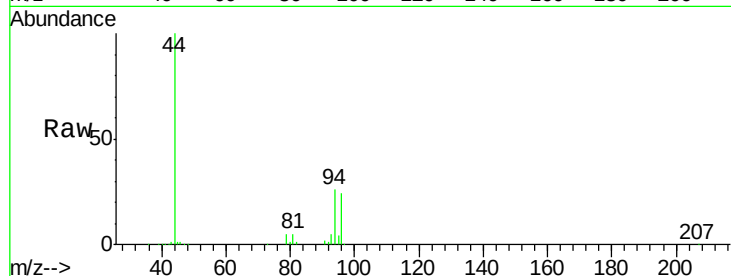
96 93.5 75.1 112.7

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#6

Chloroethane

Concen: 47.360 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061156.D

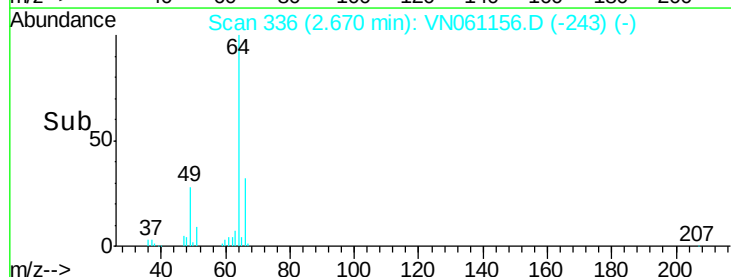
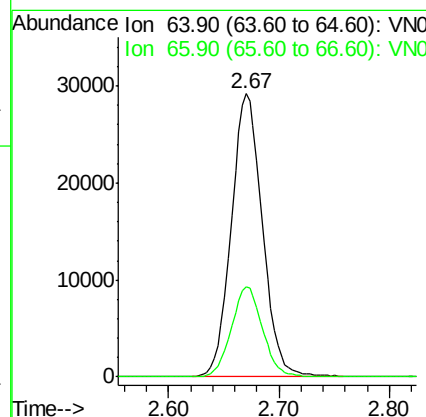
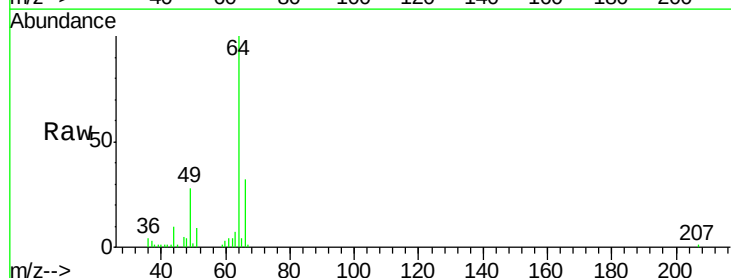
Acq: 27 Apr 2020 18:44

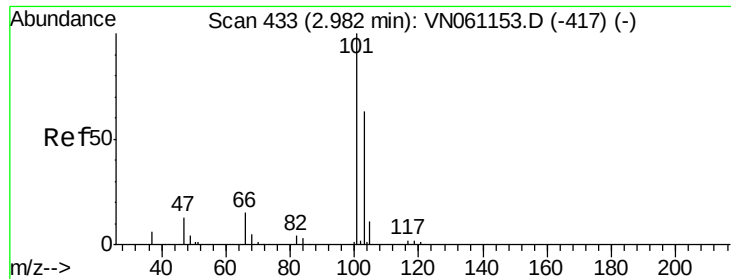
Tgt Ion: 64 Resp: 56890

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8





#7

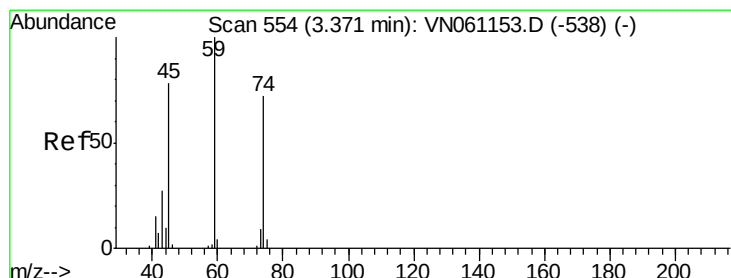
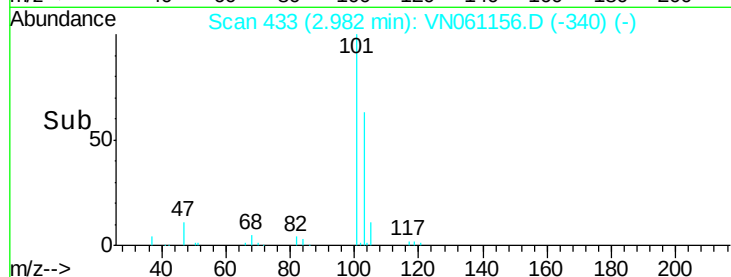
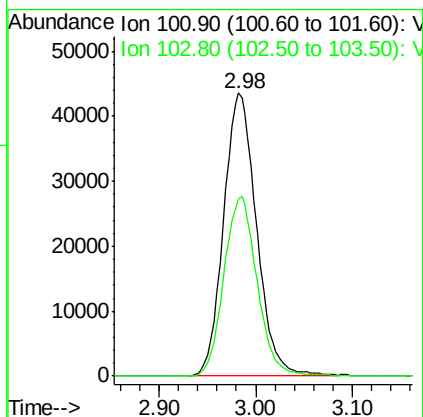
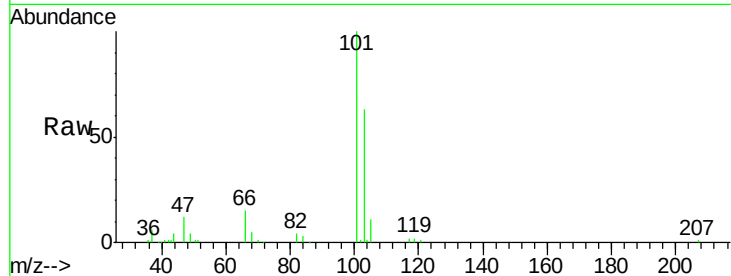
Trichlorofluoromethane
 Concen: 48.202 ug/l
 RT: 2.98 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	50.6	76.0

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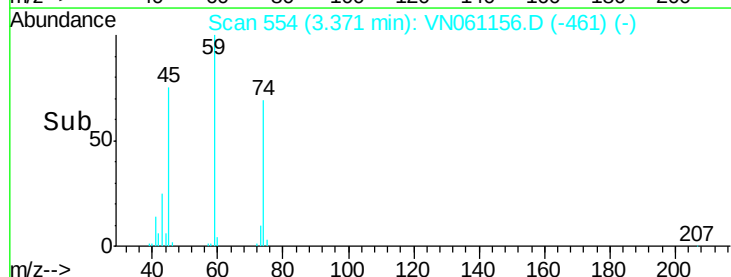
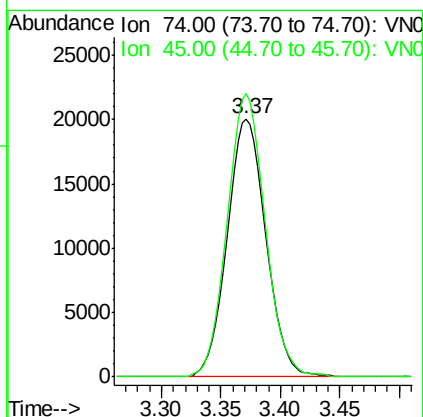
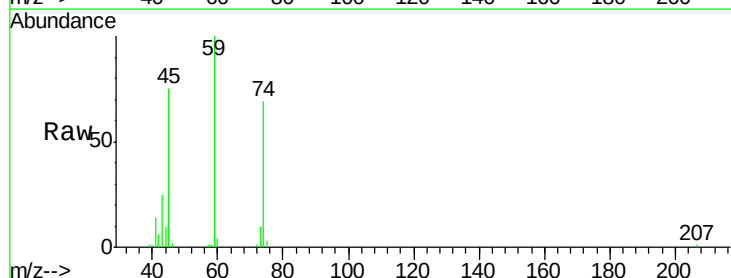
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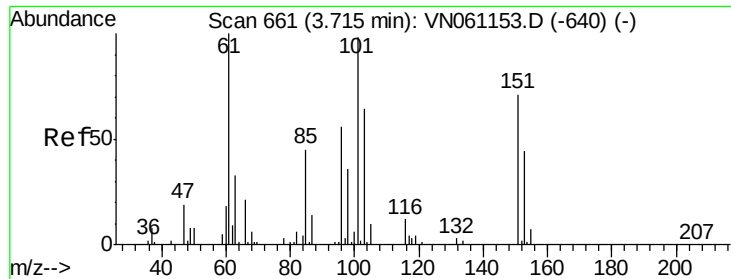


#8

Diethyl Ether
 Concen: 50.603 ug/l
 RT: 3.37 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.0	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.433 ug/l

RT: 3.71 min Scan# 660

Delta R.T. -0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

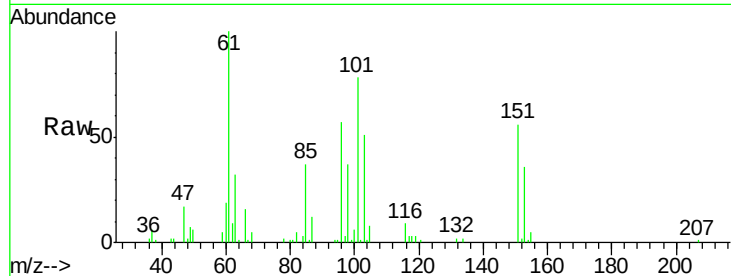
ClientSampled :

ICVVN042720

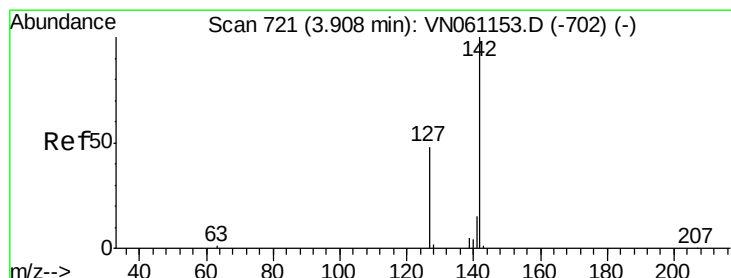
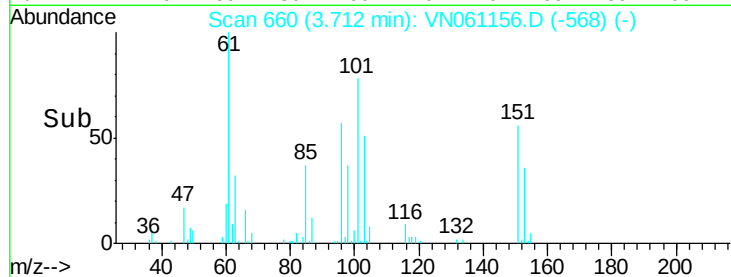
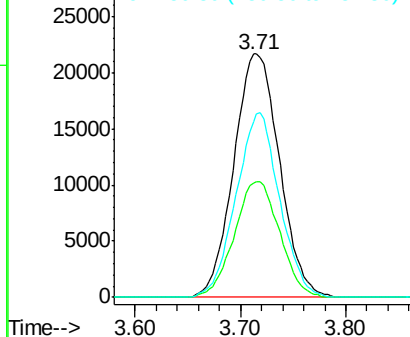
Tot Ion:	101	Resp:	65338
Ion Ratio	Lower	Upper	
101	100		
85	47.0	37.2	55.8
151	72.1	57.7	86.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.029 ug/l

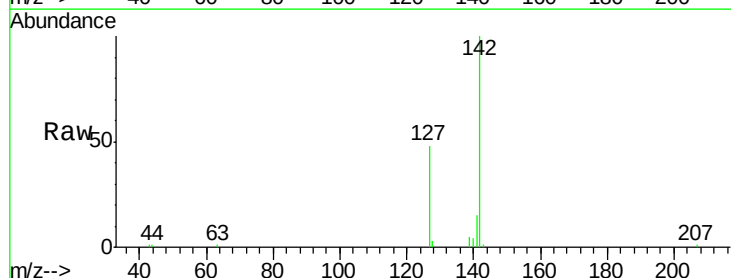
RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

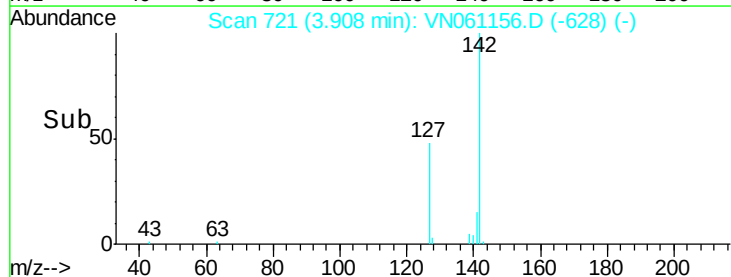
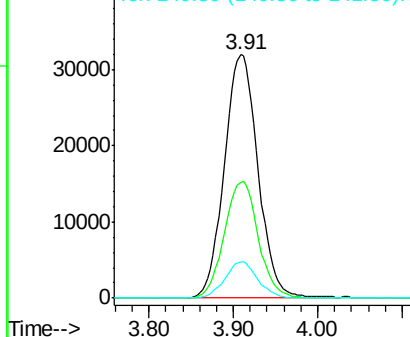
Lab File: VN061156.D

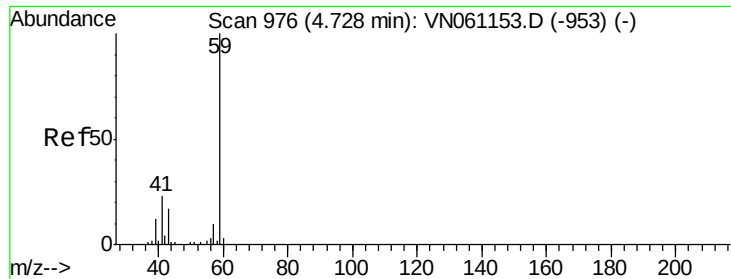
Acq: 27 Apr 2020 18:44

Tgt Ion:	142	Resp:	88564
Ion Ratio	Lower	Upper	
142	100		
127	48.1	38.0	57.0
141	14.4	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

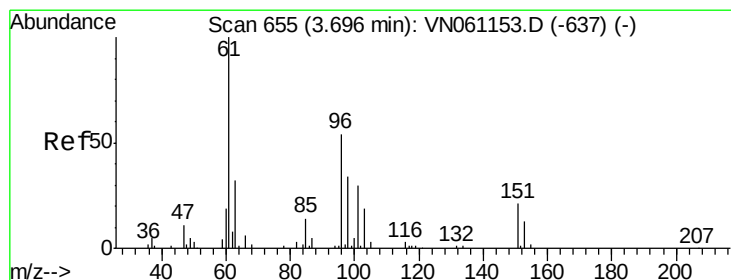
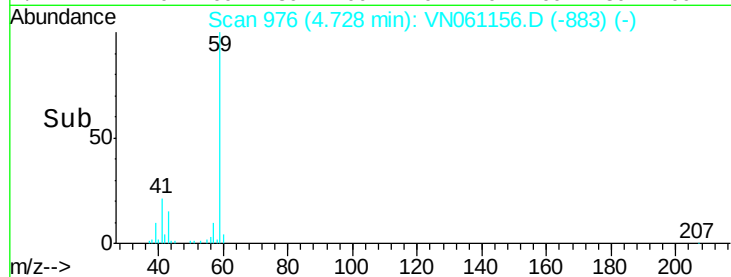
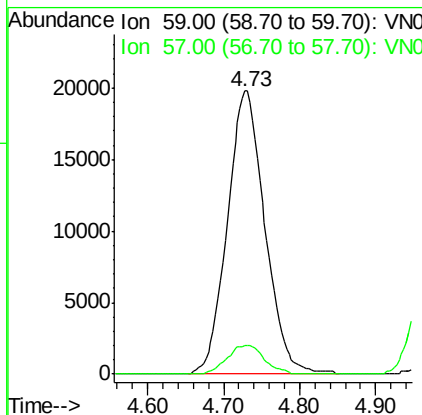
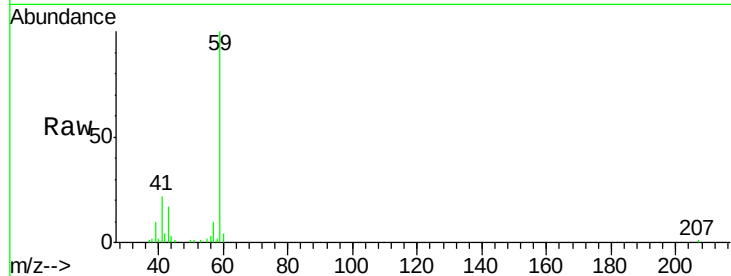
Tert butyl alcohol
Concen: 246.522 ug/l
RT: 4.73 min Scan# 976
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	59	Resp	67888
Ion Ratio	100	Lower	Upper
57	10.1	8.3	12.5

Manual Integrations
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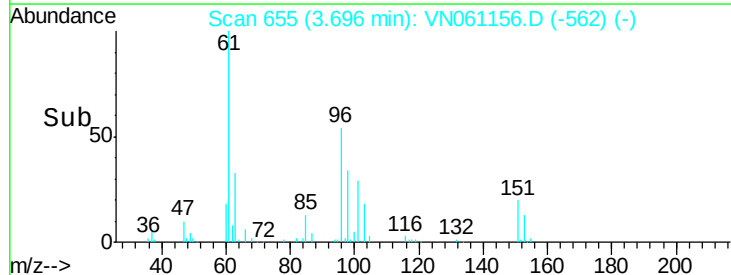
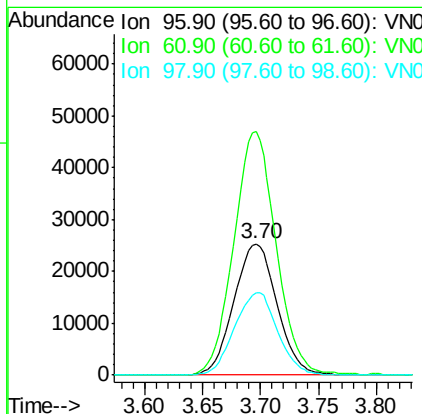
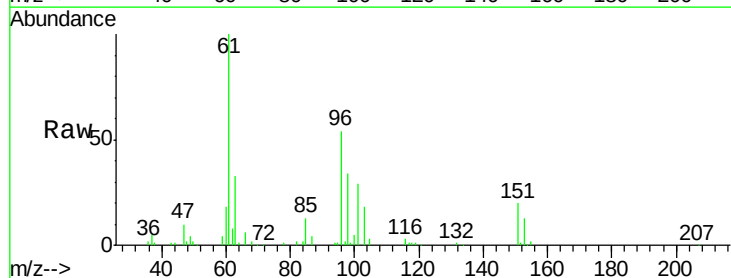
MMDadoda
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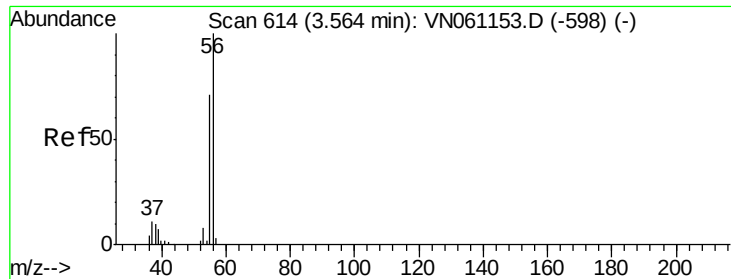


#12

1,1-Dichloroethene
Concen: 47.821 ug/l
RT: 3.70 min Scan# 655
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	96	Resp	65552
Ion Ratio	100	Lower	Upper
61	185.3	147.0	220.6
98	63.0	49.8	74.6





#13

Acrolein

Concen: 220.934 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion: 56 Resp: 40545

Ion Ratio Lower Upper

56 100

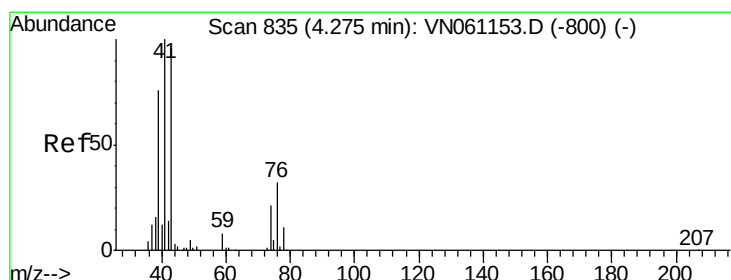
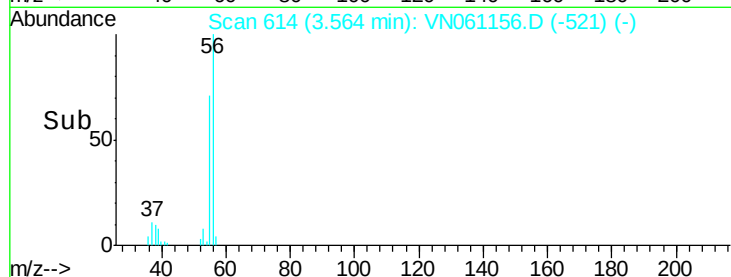
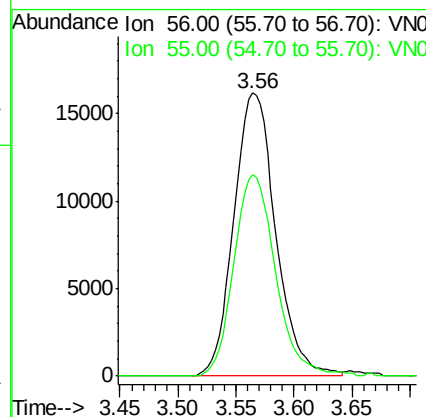
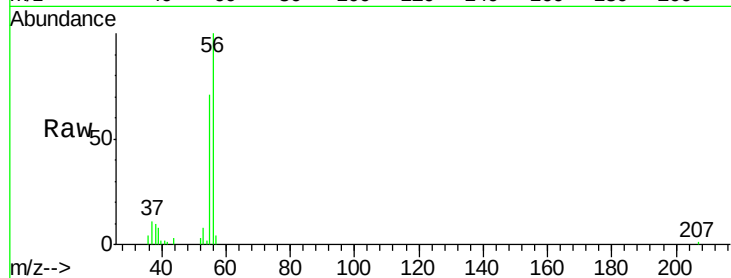
55 71.0 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 53.767 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

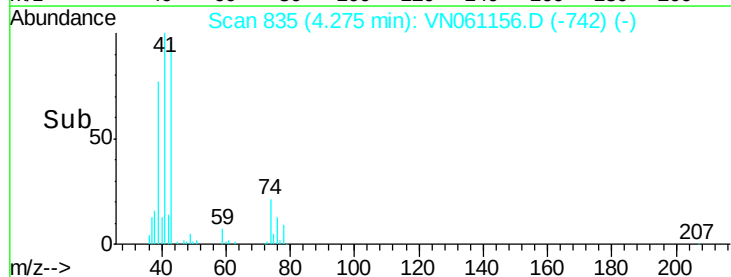
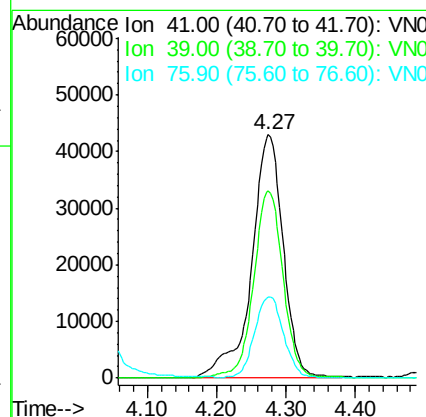
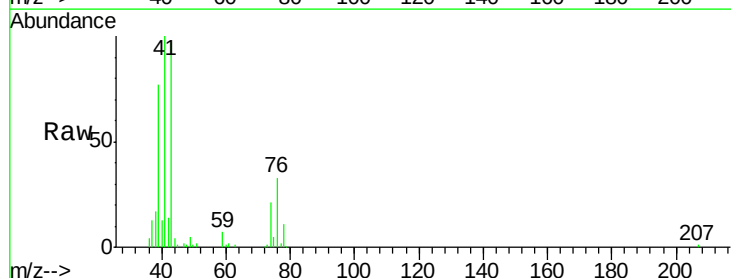
Tgt Ion: 41 Resp: 136656

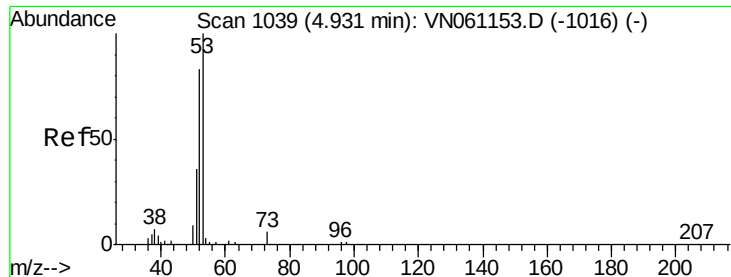
Ion Ratio Lower Upper

41 100

39 71.2 57.1 85.7

76 30.6 24.3 36.5





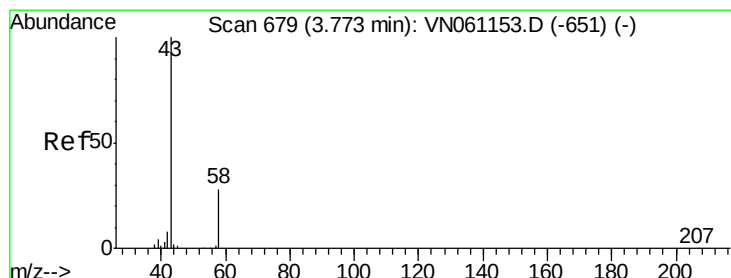
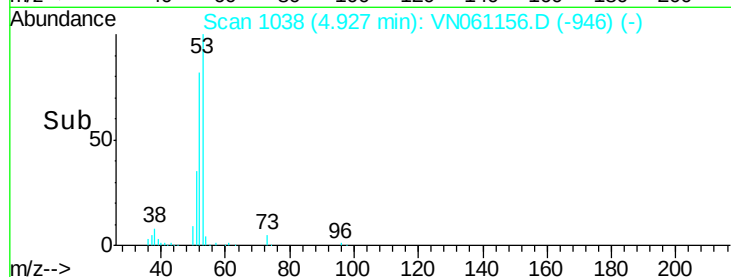
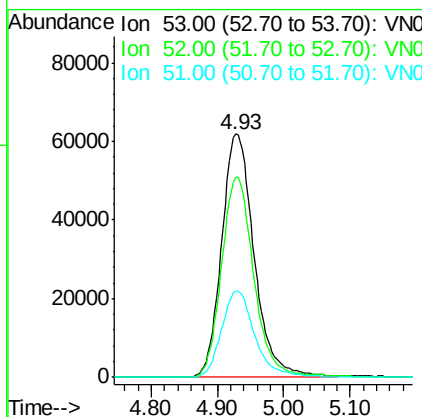
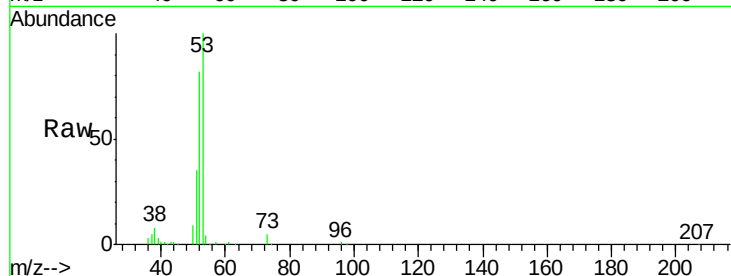
#15
 Acrylonitrile
 Concen: 249.267 ug/l
 RT: 4.93 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion:	53	Resp:	210719
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.4	98.0
51	36.5	29.5	44.3

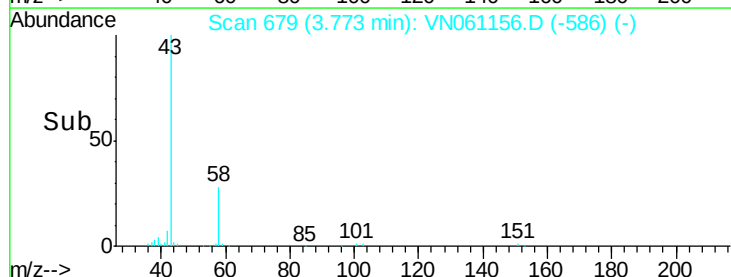
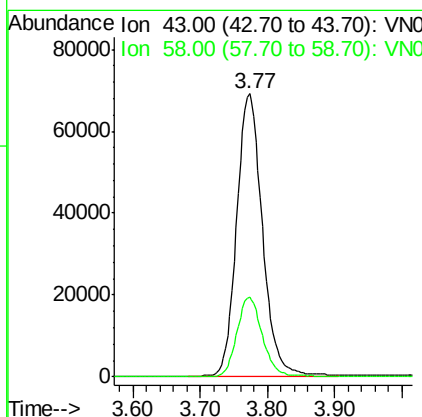
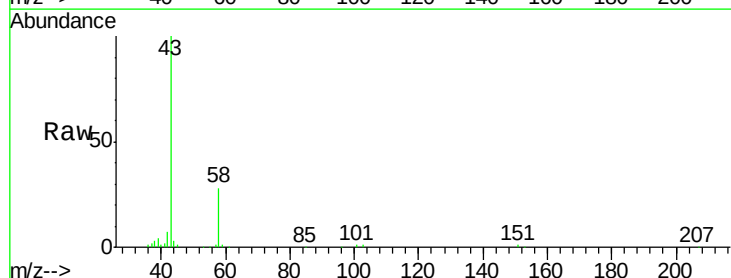
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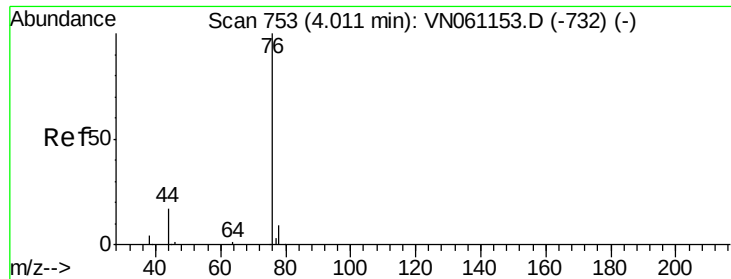
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#16
 Acetone
 Concen: 232.322 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion:	43	Resp:	185020
Ion	Ratio	Lower	Upper
43	100		
58	28.0	22.2	33.2





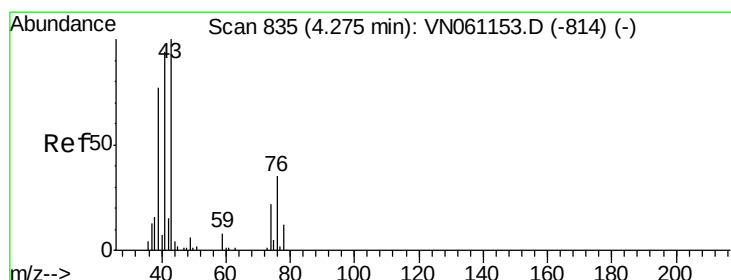
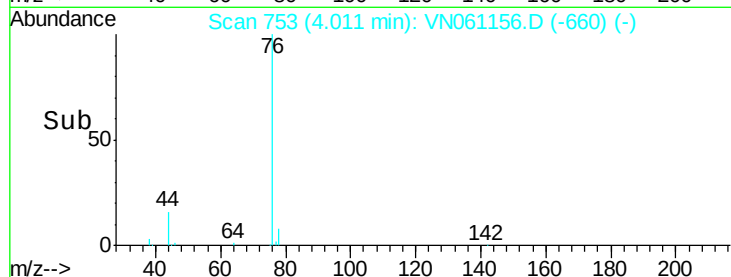
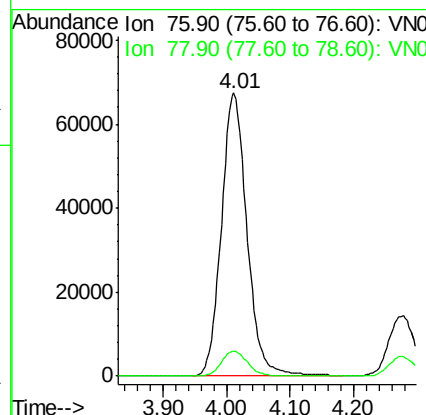
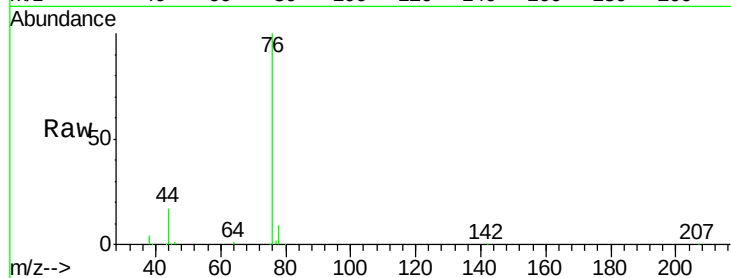
#17
Carbon Disulfide
Concen: 49.771 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion: 76 Resp: 188460
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

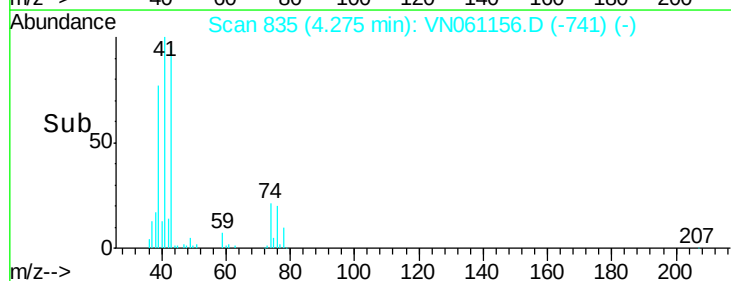
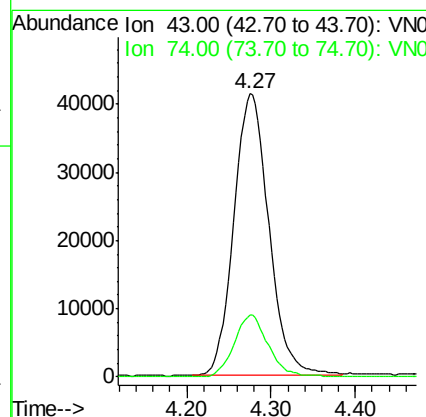
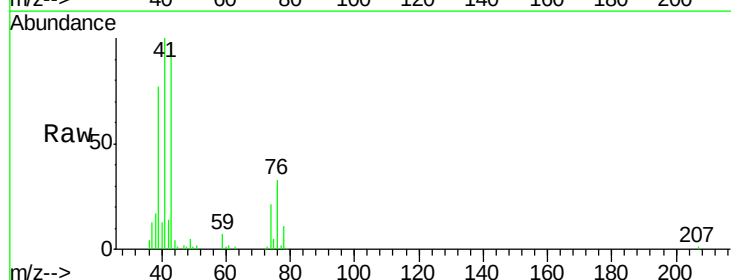
Manual Integrations
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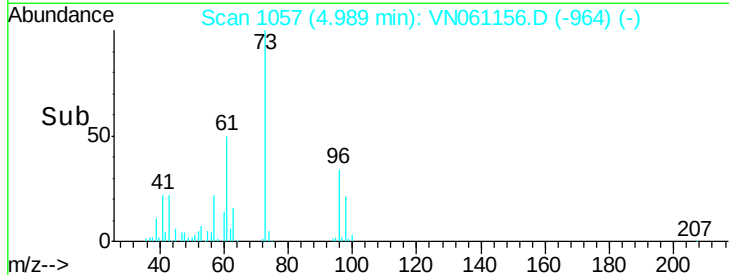
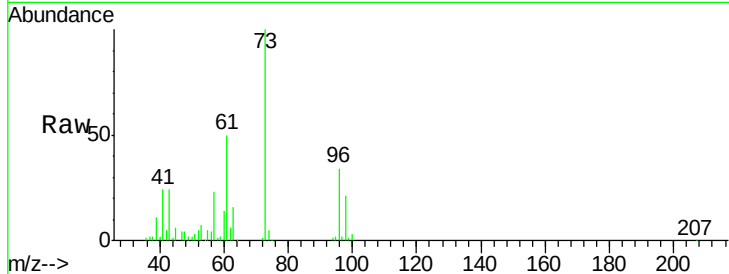
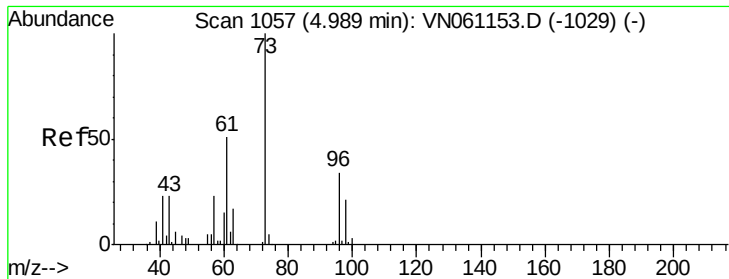
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#18
Methyl Acetate
Concen: 46.218 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion: 43 Resp: 119801
Ion Ratio Lower Upper
43 100
74 21.3 17.0 25.4





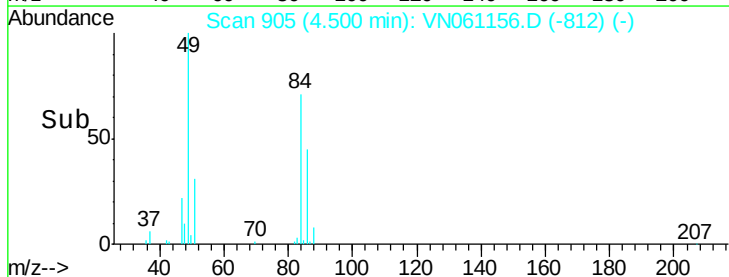
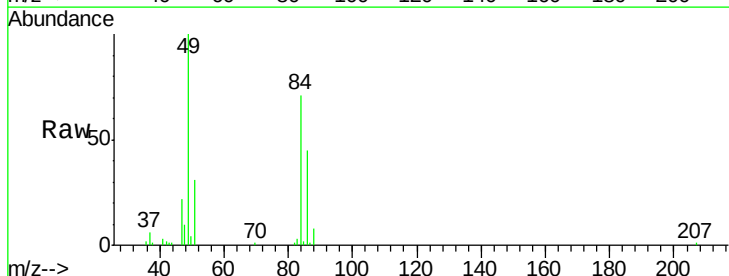
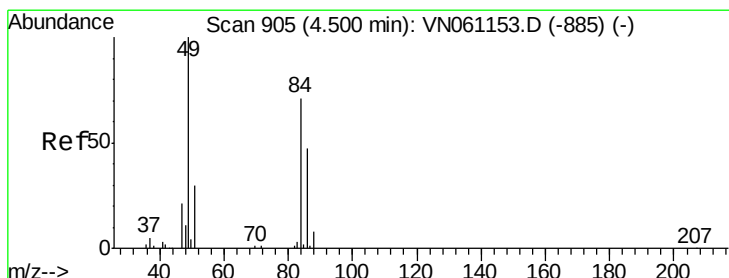
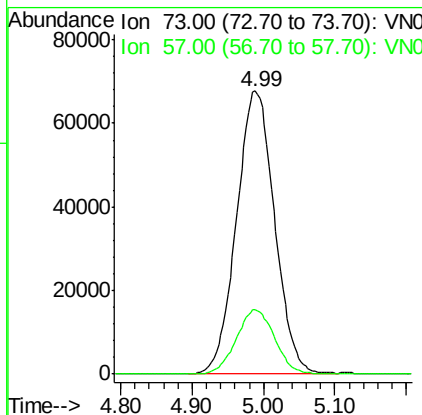
#19
Methyl tert-butyl Ether
Concen: 48.130 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tot Ion	73	Resp	252101
Ion Ratio	100	Lower	Upper
57	22.6	18.3	27.5

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

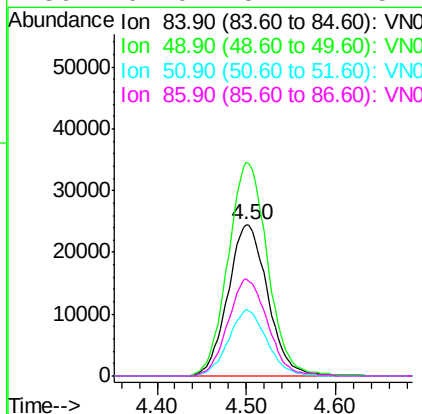
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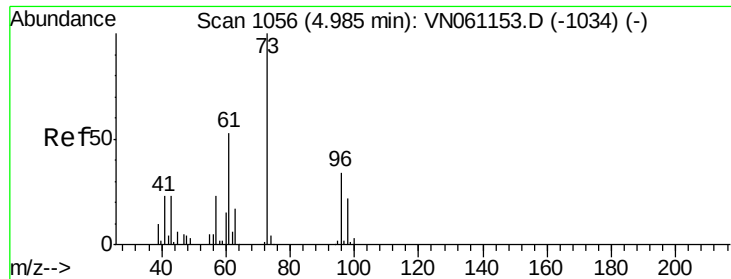
MMDadoda
5/4/2020 9:59:35 AM



#20
Methylene Chloride
Concen: 47.181 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	84	Resp	75631
Ion Ratio	100	Lower	Upper
49	141.0	112.0	168.0
51	43.6	33.6	50.4
86	64.0	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 49.420 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

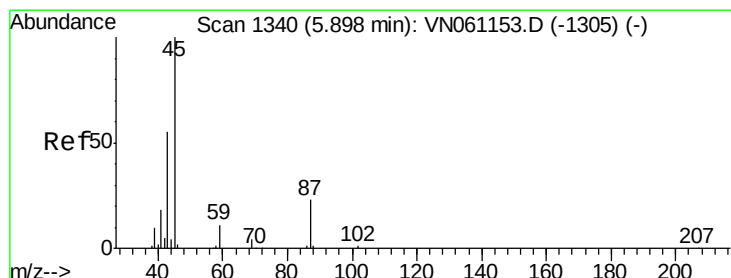
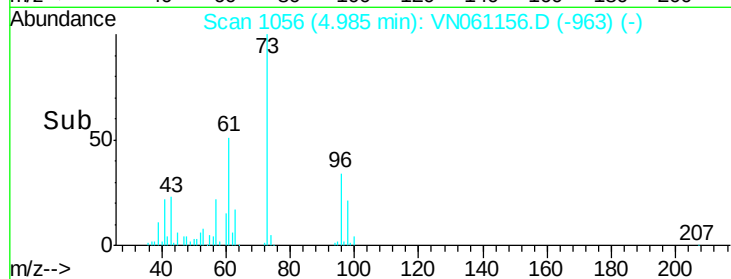
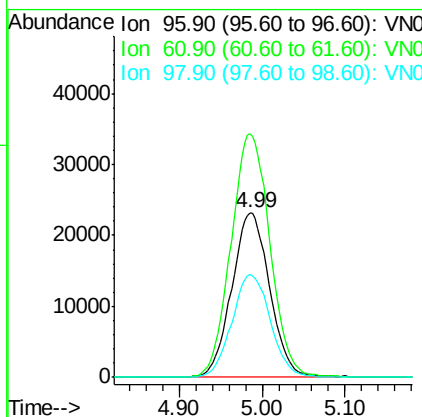
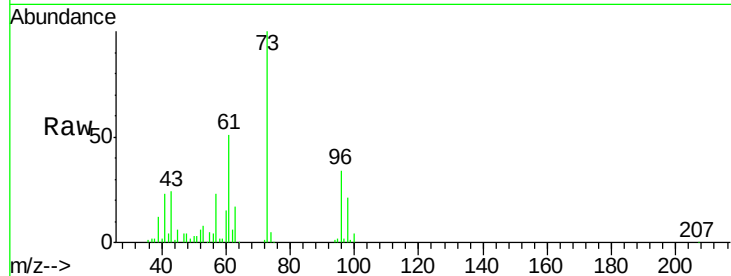
ClientSampleId :

ICVVN042720

Tot Ion:	96	Resp:	73767
Ion	Ratio	Lower	Upper
96	100		
61	148.2	123.0	184.4
98	62.5	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.136 ug/l

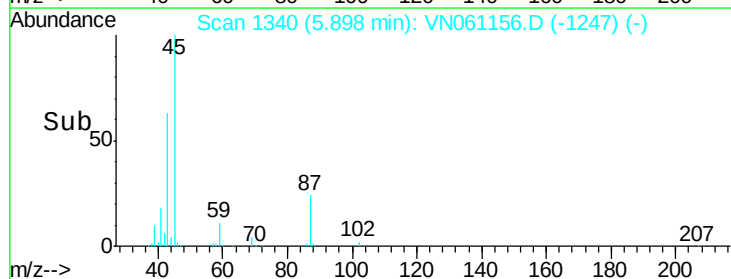
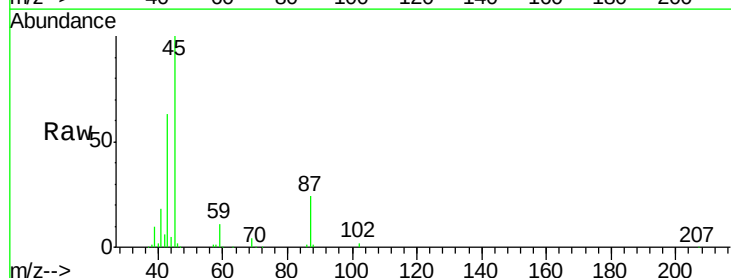
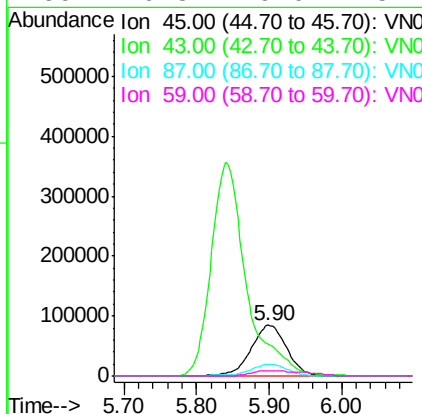
RT: 5.90 min Scan# 1340

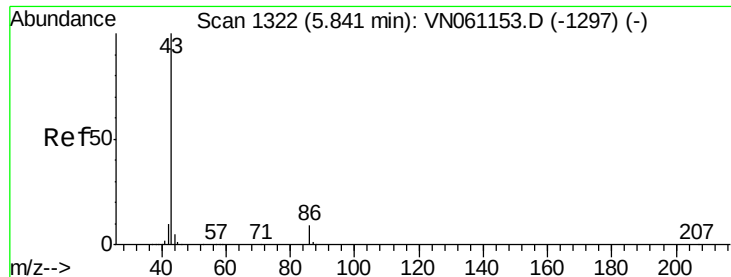
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	45	Resp:	289603
Ion	Ratio	Lower	Upper
45	100		
43	61.1	47.9	71.9
87	24.1	19.2	28.8
59	10.8	9.0	13.4





#23

Vinyl Acetate

Concen: 252.630 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion: 43 Resp: 1198893

Ion Ratio Lower Upper

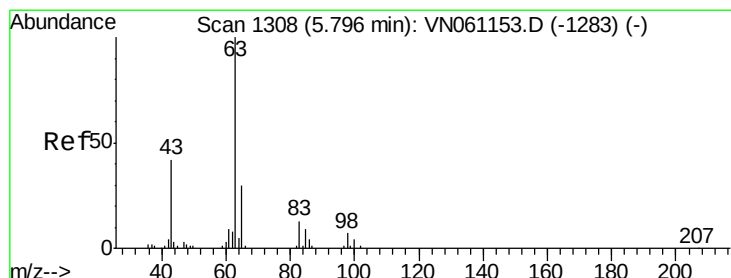
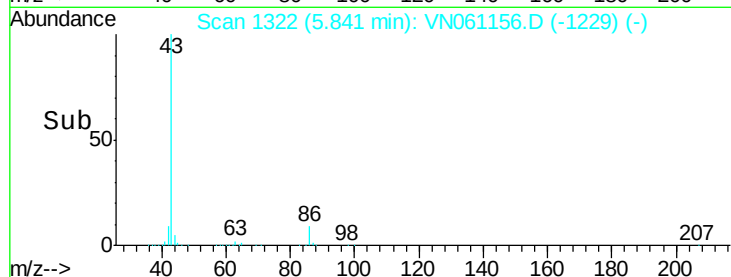
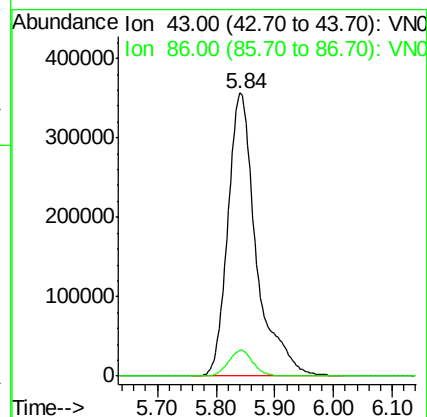
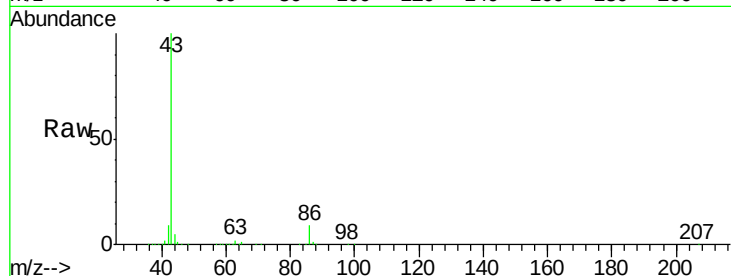
43 100

86 9.1 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 47.664 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

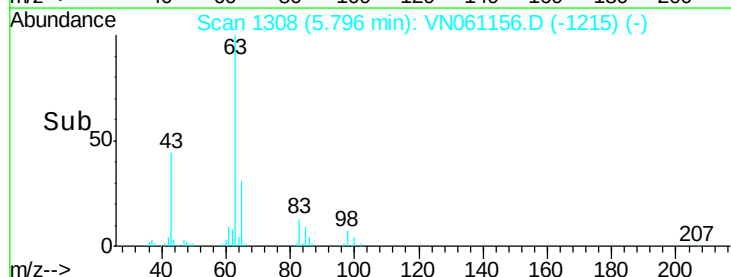
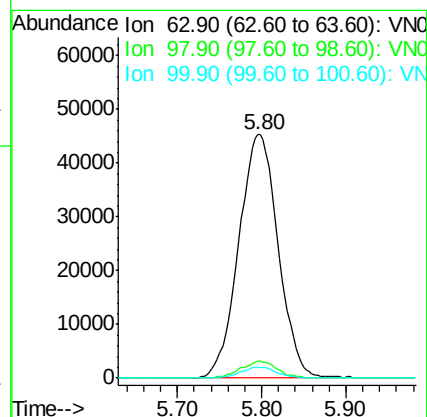
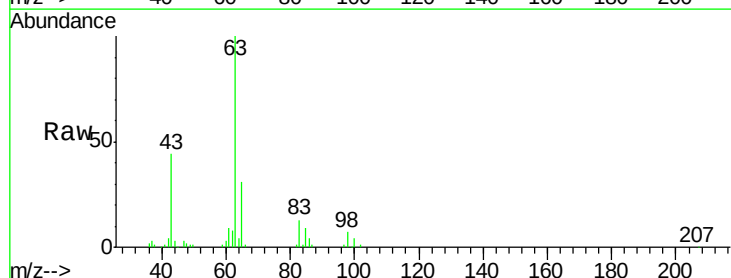
Tgt Ion: 63 Resp: 146778

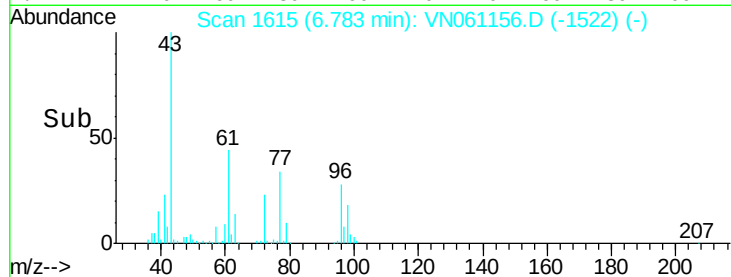
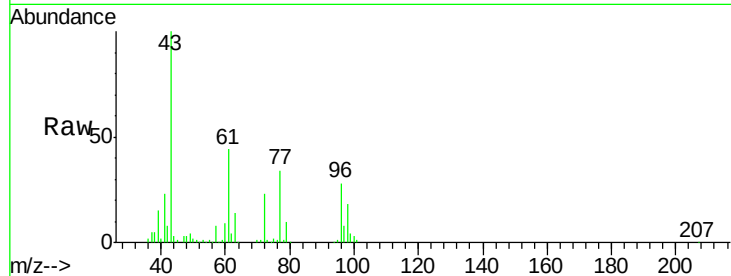
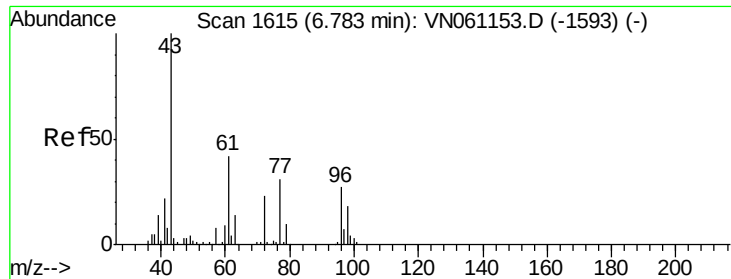
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.4 1.9 5.7





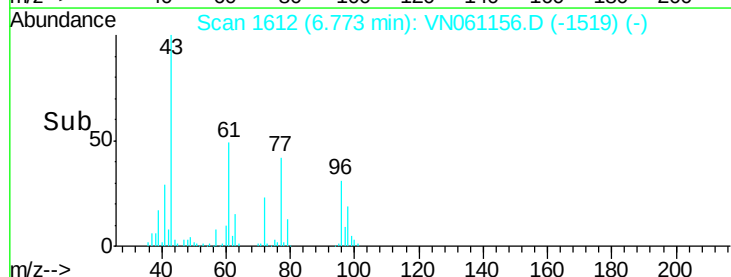
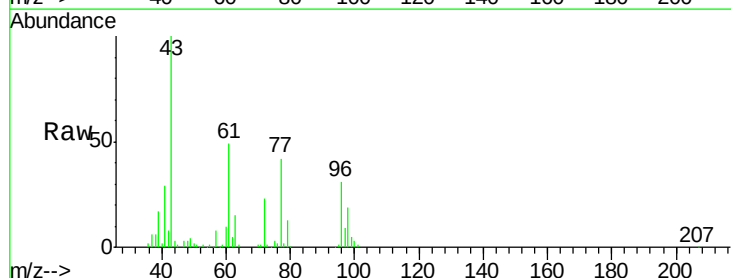
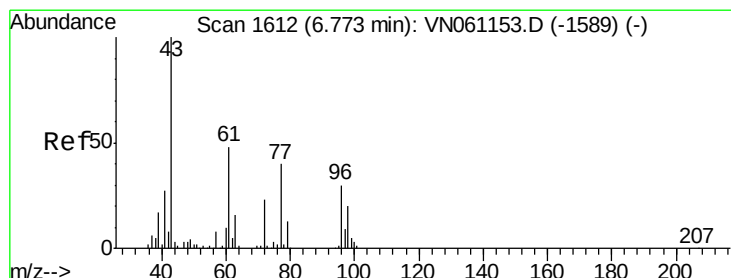
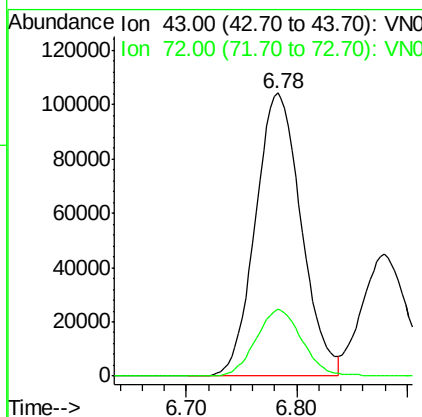
#25
2-Butanone
Concen: 246.595 ug/l
RT: 6.78 min Scan# 1615
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tot Ion: 43 Resp: 299971
Ion Ratio Lower Upper
43 100
72 23.5 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

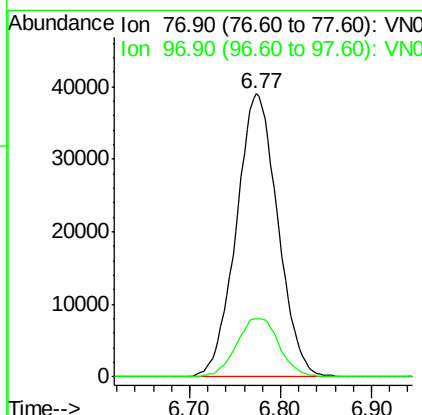
Manual Integrations
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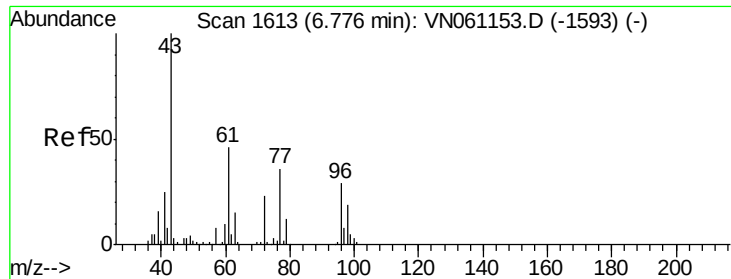
MMDadoda
5/4/2020 9:59:35 AM



#26
2,2-Dichloropropane
Concen: 47.600 ug/l
RT: 6.77 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion: 77 Resp: 123465
Ion Ratio Lower Upper
77 100
97 21.2 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 48.508 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

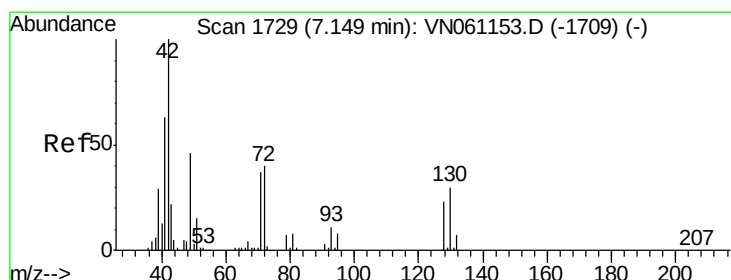
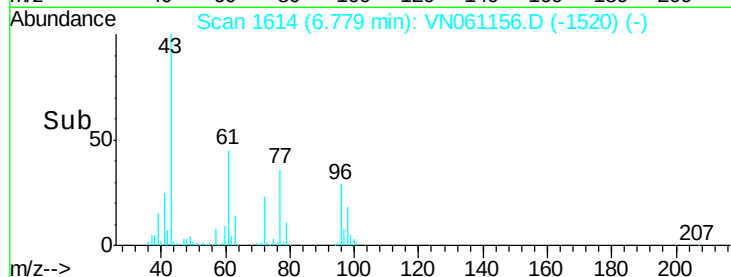
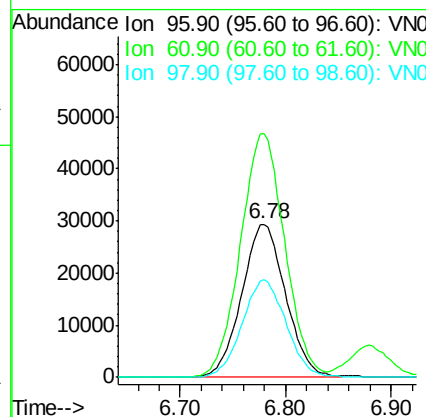
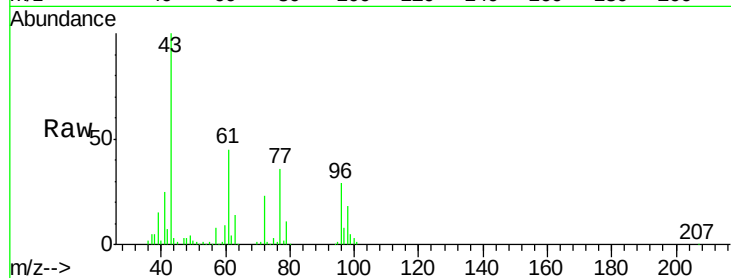
ClientSampleId :

ICVVN042720

Tot Ion:	96	Resp:	84969
Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	322.0
98	63.8	0.0	129.6

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#28

Bromochloromethane

Concen: 44.809 ug/l

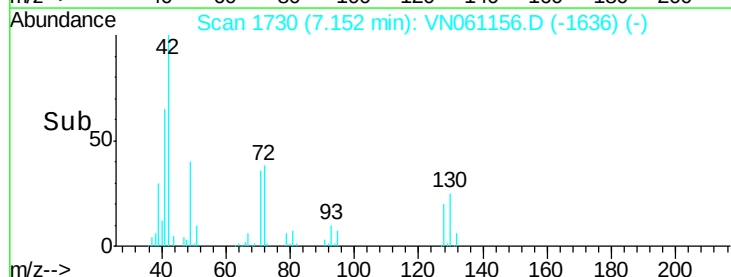
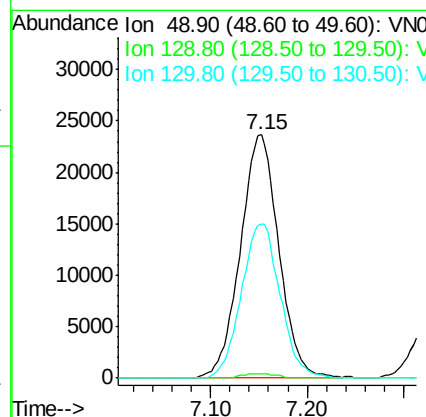
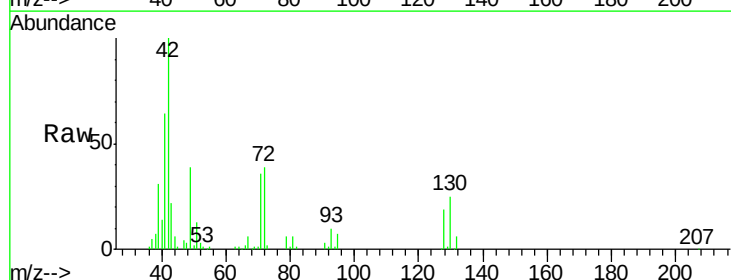
RT: 7.15 min Scan# 1730

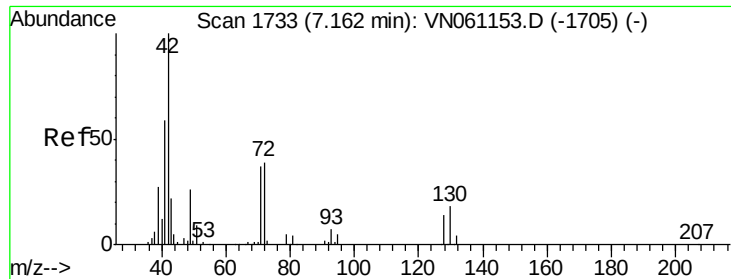
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	49	Resp:	65403
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	63.7	51.4	77.2





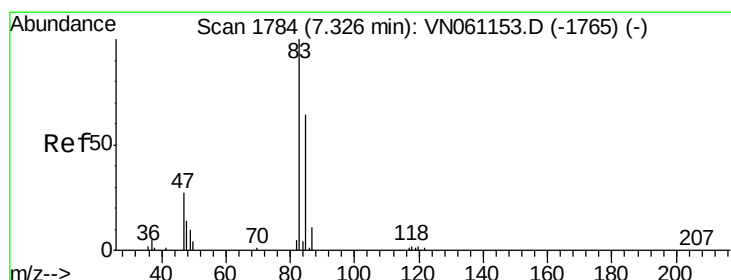
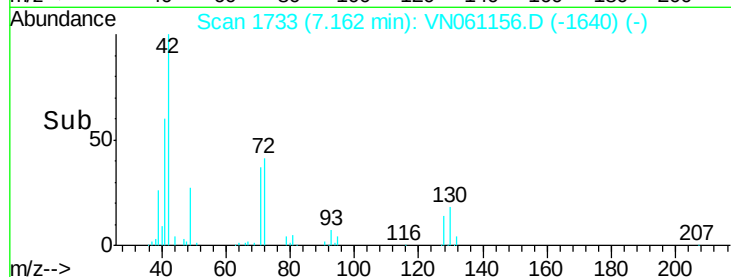
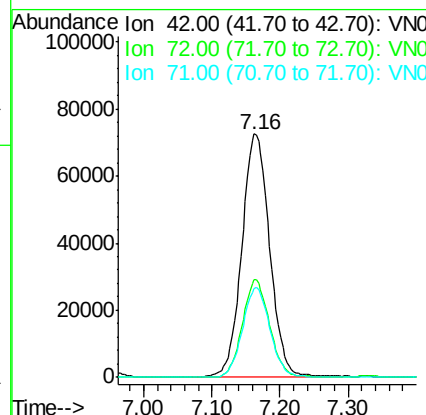
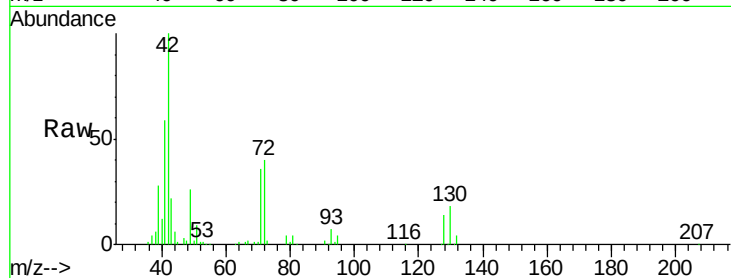
#29
Tetrahydrofuran
Concen: 252.183 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.0
71	36.1	29.5	44.3

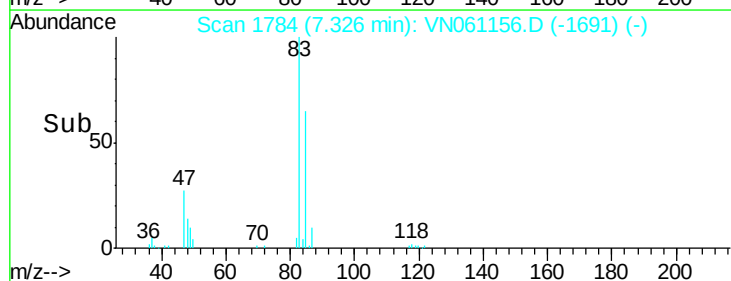
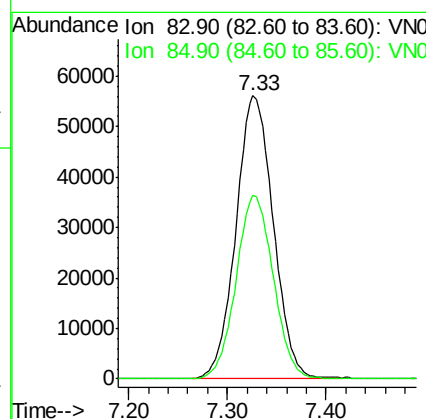
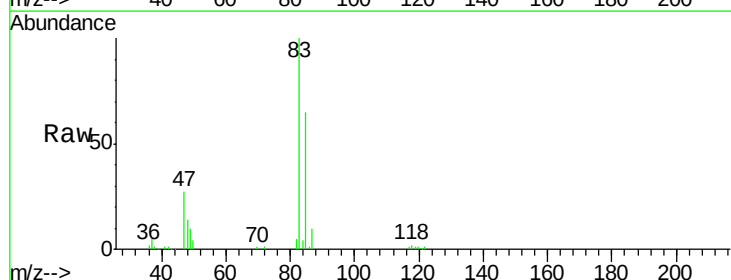
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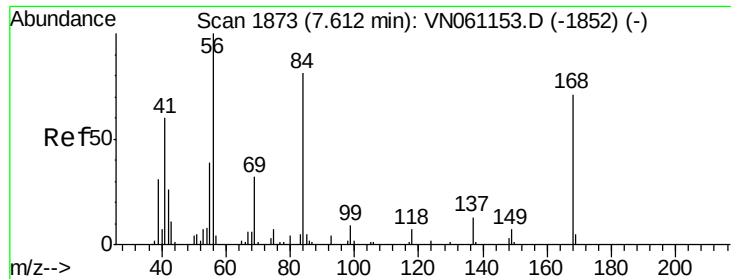
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#30
Chloroform
Concen: 47.295 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7





#31

Cyclohexane

Concen: 46.608 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tot Ion:	56	Resp:	139388
Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.7	38.5
84	80.2	64.6	97.0

Instrument :

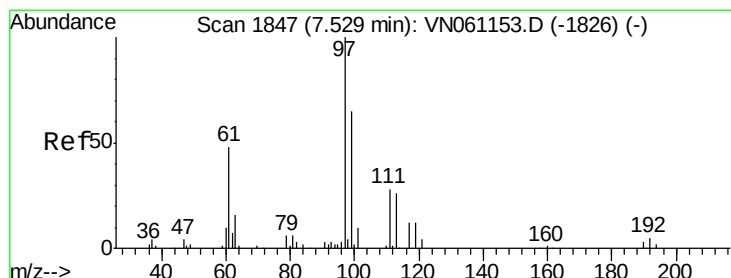
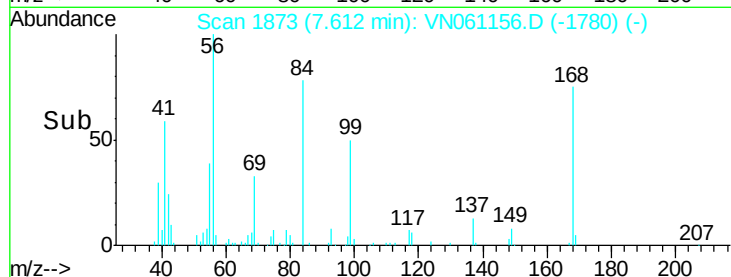
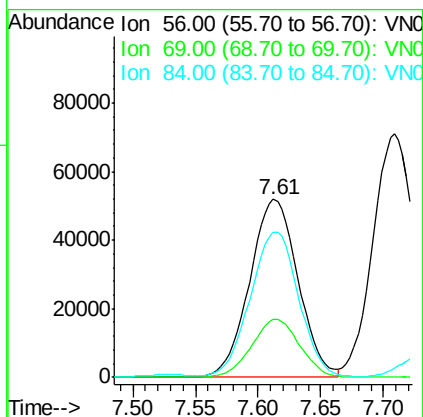
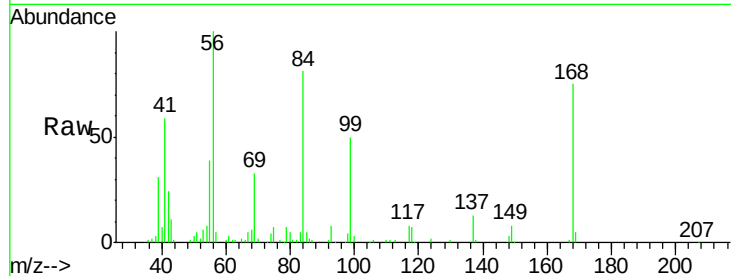
MSVOA_N

ClientSampleId :

ICVVN042720

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#32

1,1,1-Trichloroethane

Concen: 47.966 ug/l

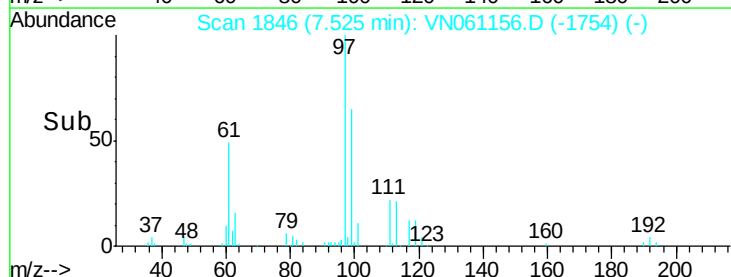
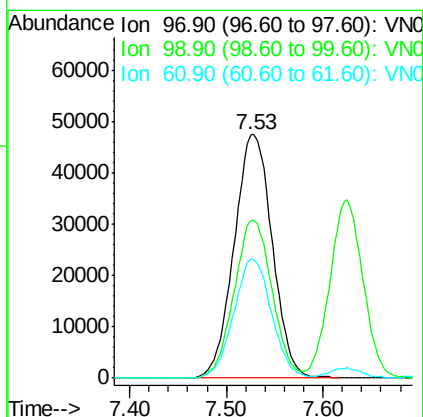
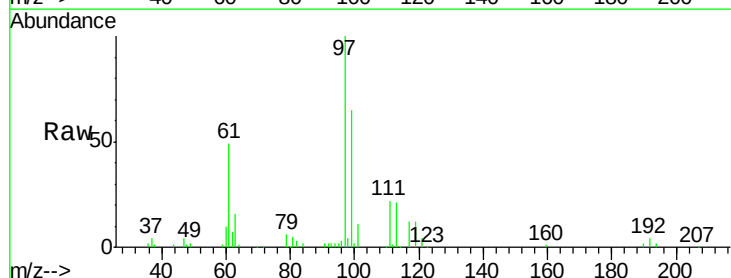
RT: 7.53 min Scan# 1846

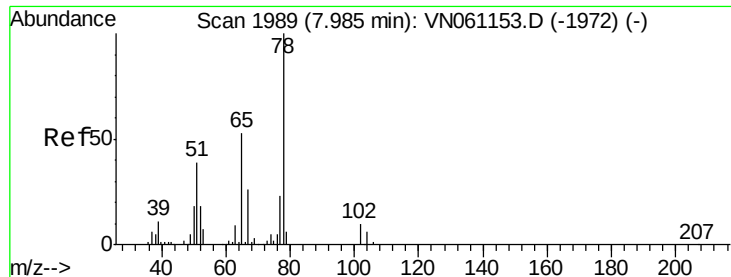
Delta R.T. -0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	97	Resp:	130347
Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	48.4	38.6	57.8





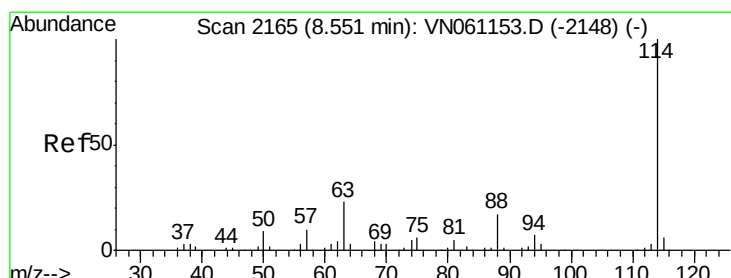
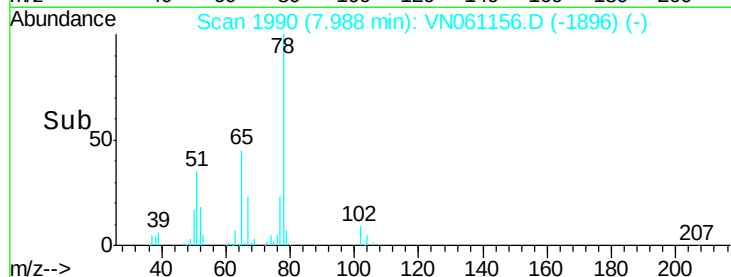
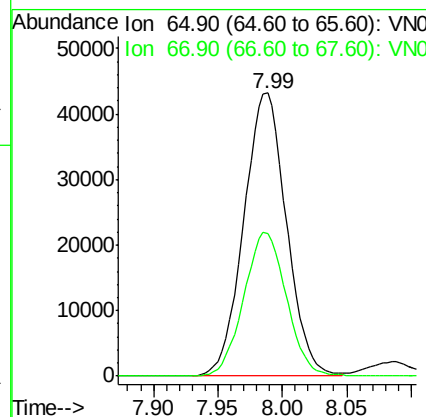
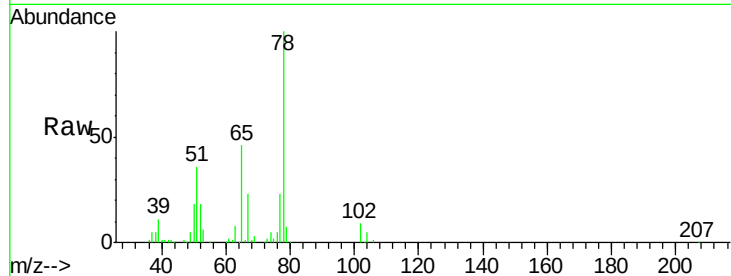
#33
 1,2-Dichloroethane-d4
 Concen: 48.481 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion	Ratio	Resp	Lower	Upper
65	100	99665		
67	50.6	0.0	101.6	

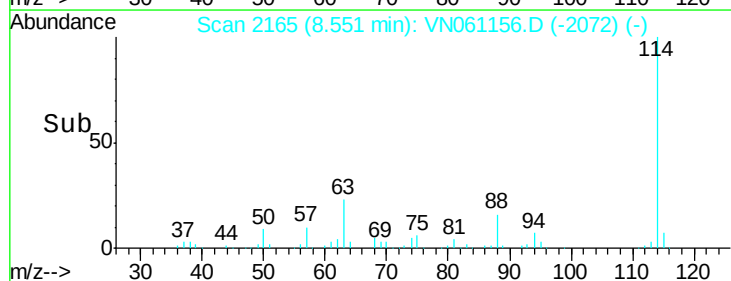
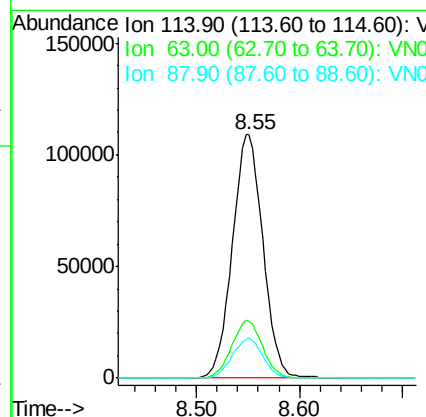
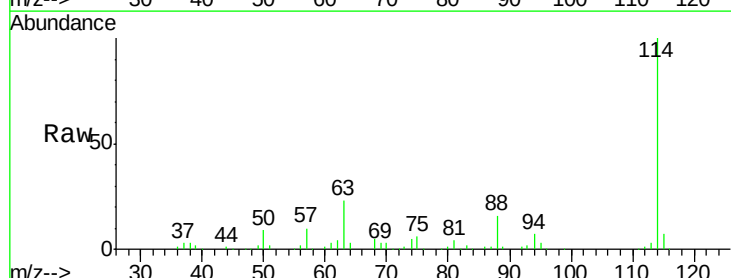
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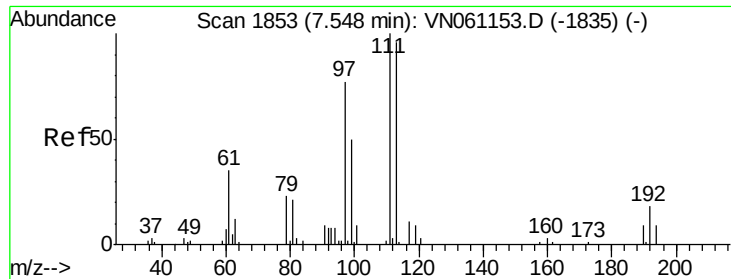
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	225231		
63	23.5	0.0	46.6	
88	16.3	0.0	33.4	





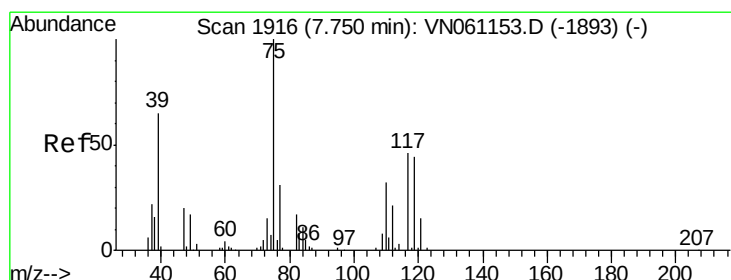
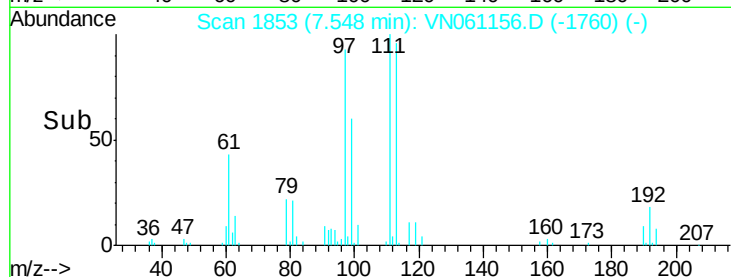
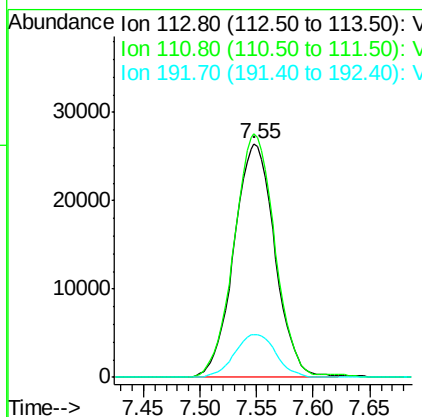
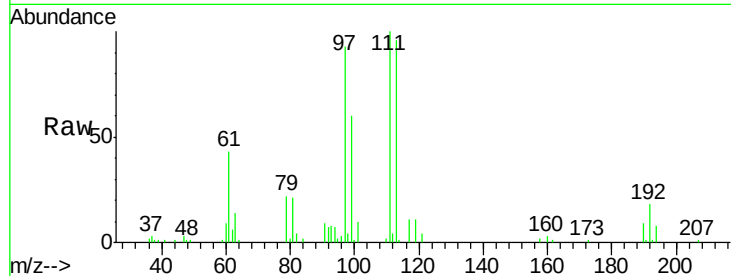
#35
 Dibromofluoromethane
 Concen: 50.083 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion	Ratio	Resp	Lower	Upper
113	100	66703		
111	103.3	82.9	124.3	
192	18.5	14.7	22.1	

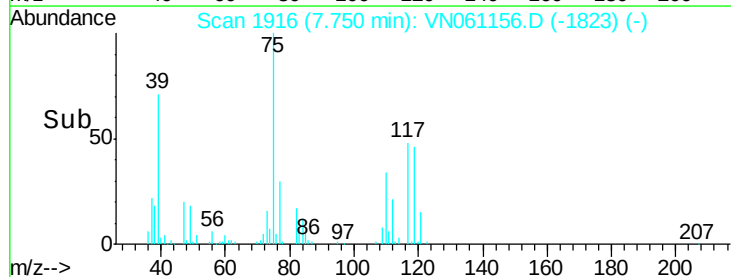
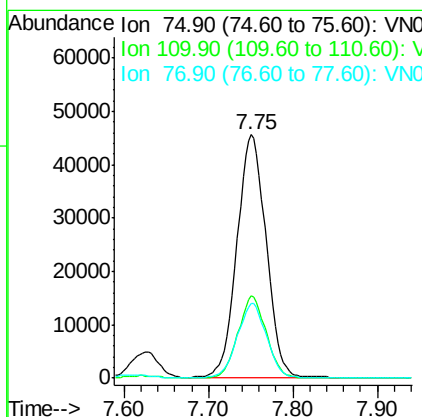
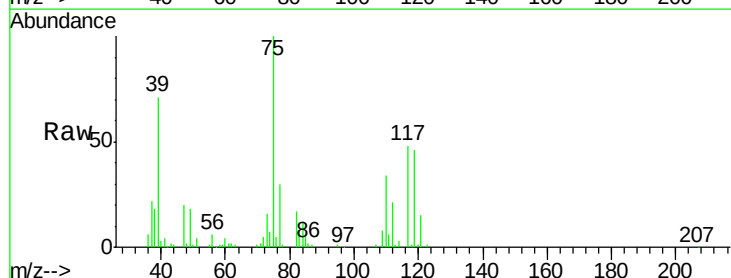
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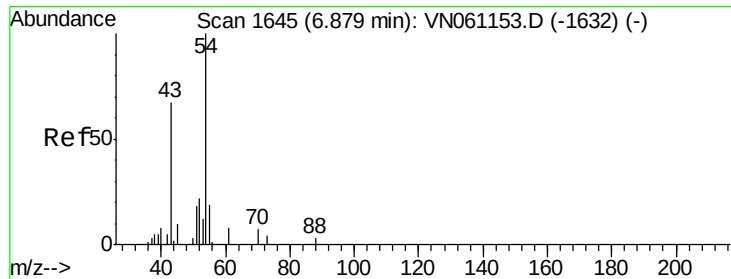
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#36
 1,1-Dichloropropene
 Concen: 49.065 ug/l
 RT: 7.75 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110626		
110	32.4	16.0	48.0	
77	30.7	24.6	37.0	





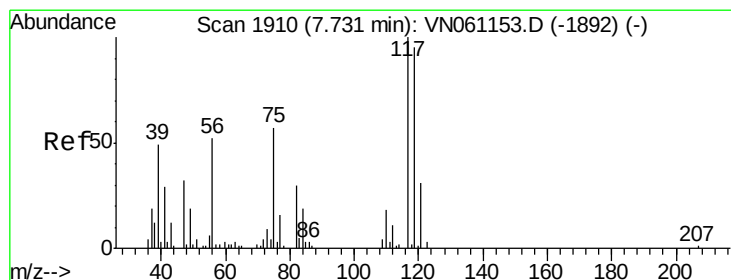
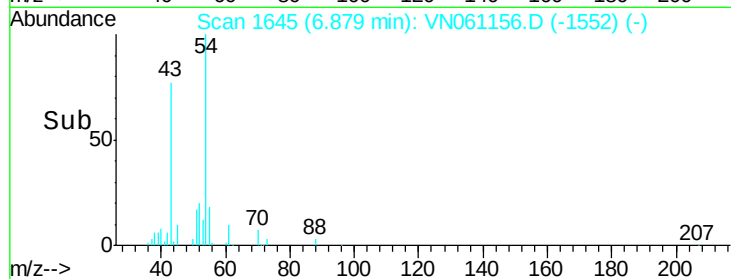
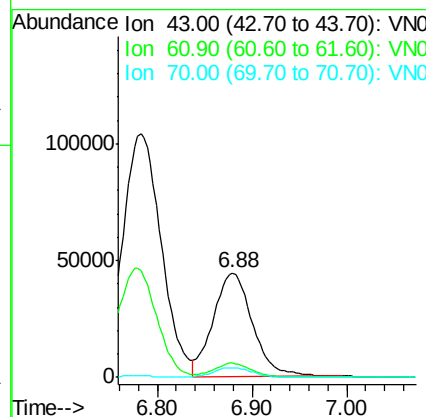
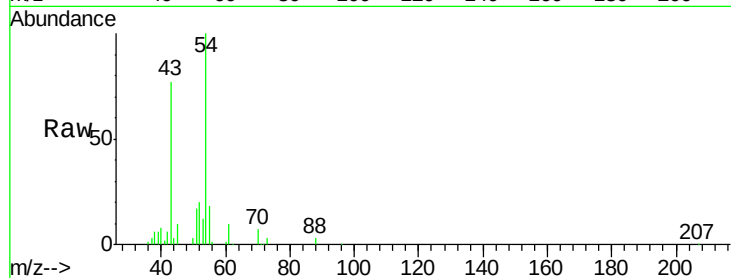
#37
Ethyl Acetate
Concen: 48.741 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.2
70	9.0	7.2	10.8

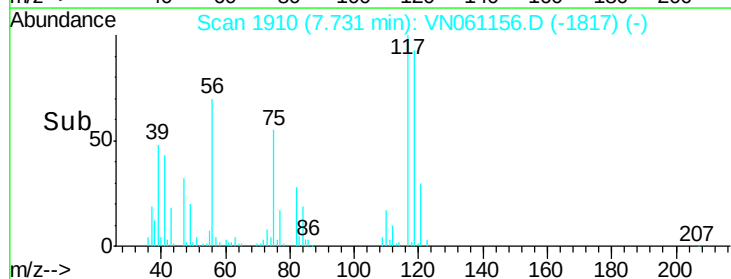
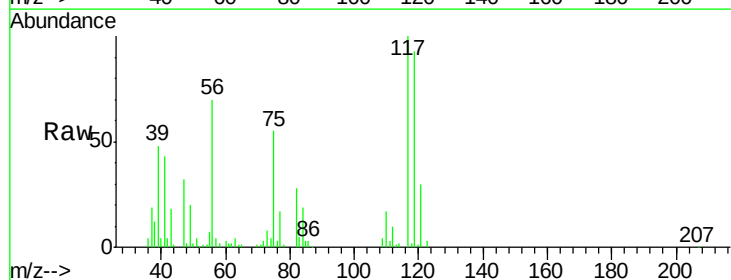
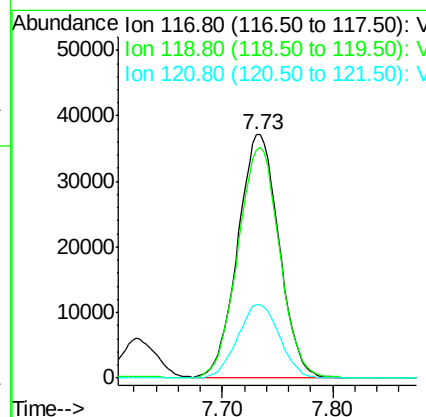
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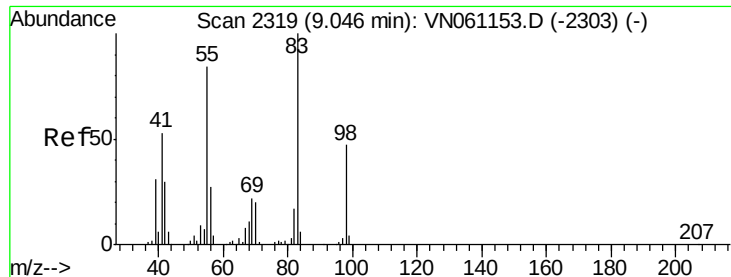
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#38
Carbon Tetrachloride
Concen: 53.393 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.8	113.6
121	30.3	24.7	37.1





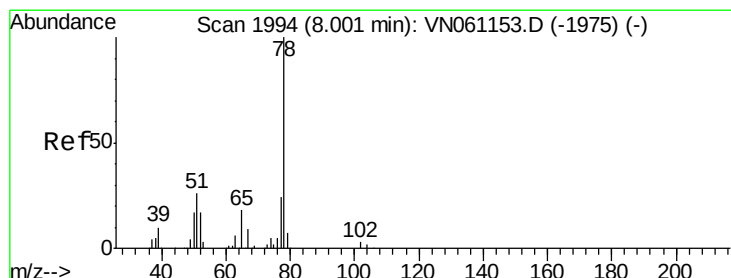
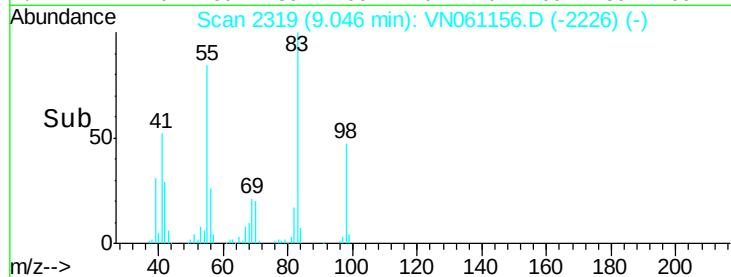
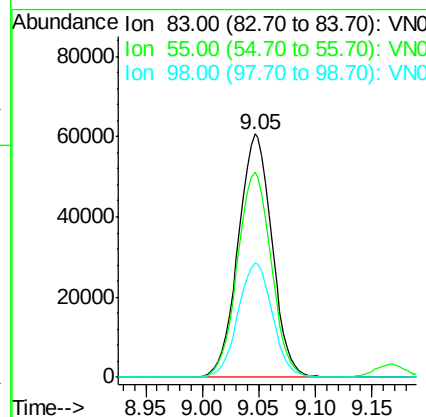
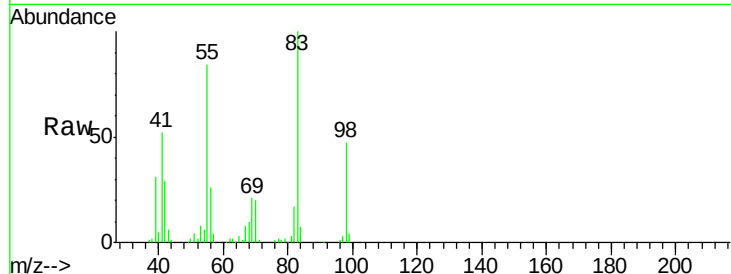
#39
Methylvlcyclohexane
Concen: 47.188 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.3	100.9
98	46.9	37.7	56.5

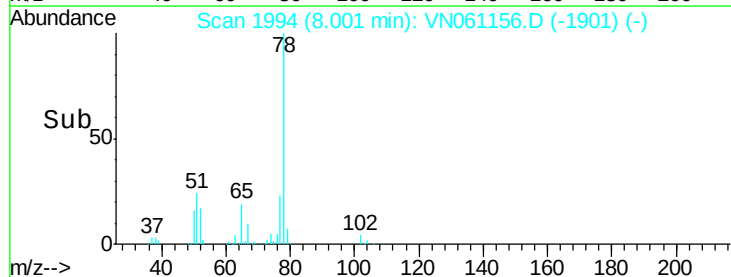
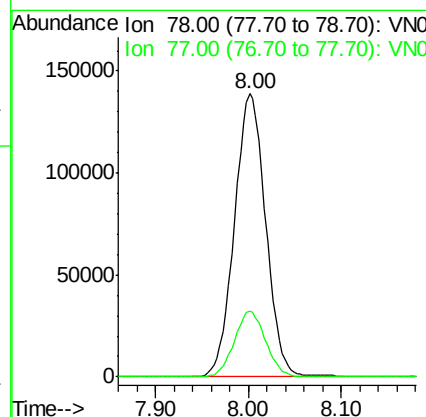
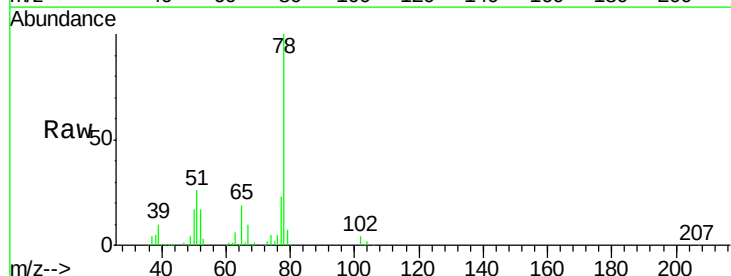
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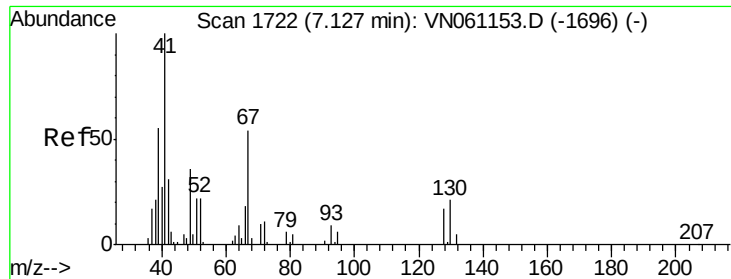
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#40
Benzene
Concen: 48.283 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





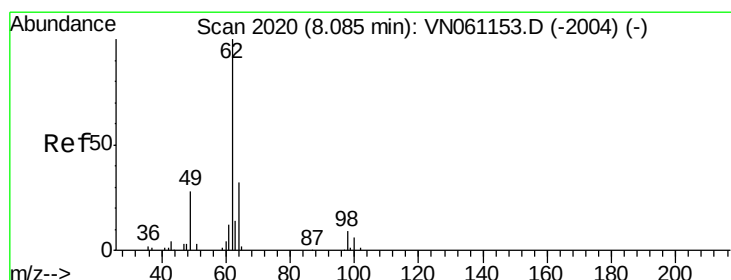
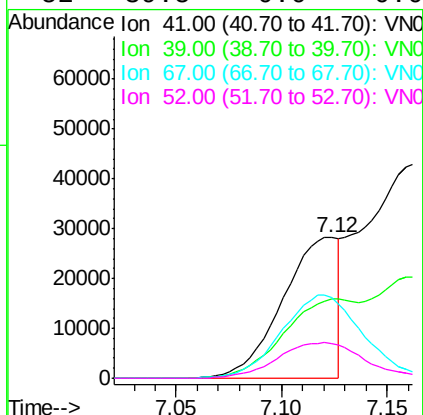
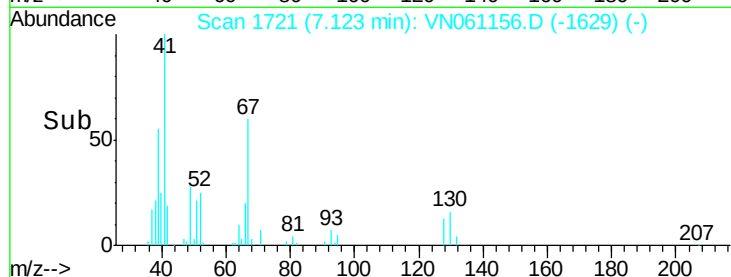
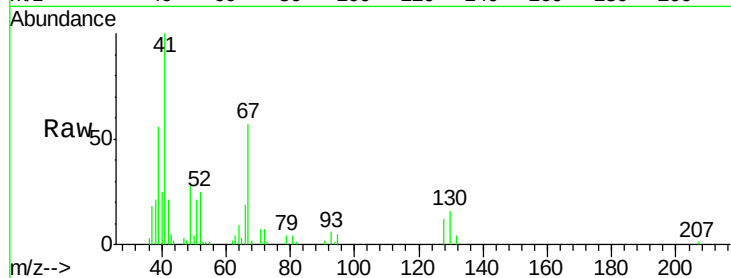
#41
Methacrylonitrile
Concen: 47.408 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.6	0.0	0.0#
67	87.0	0.0	0.0#
52	39.5	0.0	0.0#

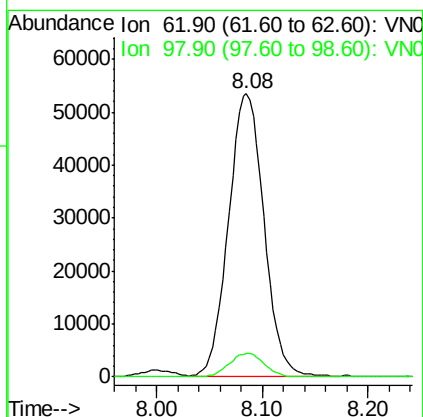
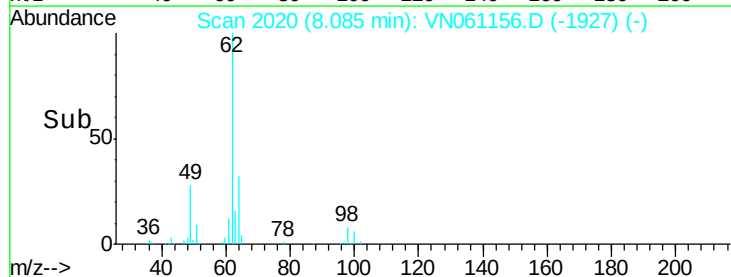
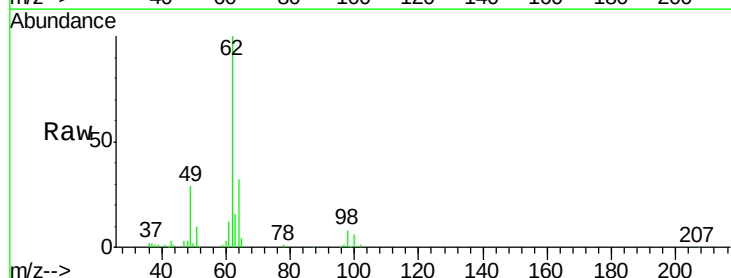
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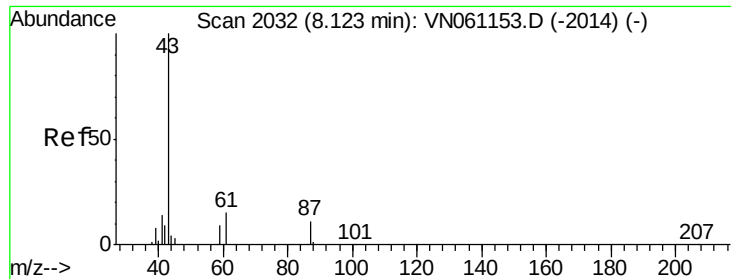
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.759 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 49.745 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

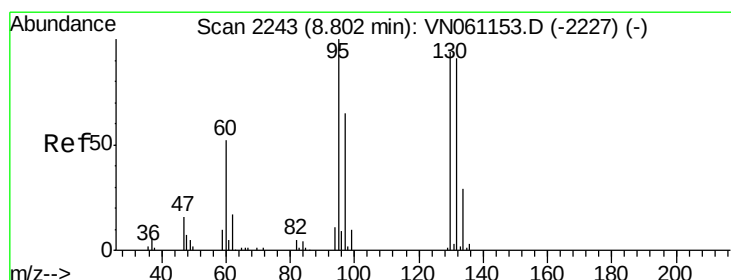
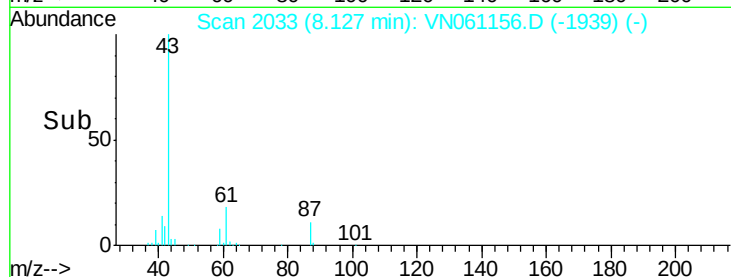
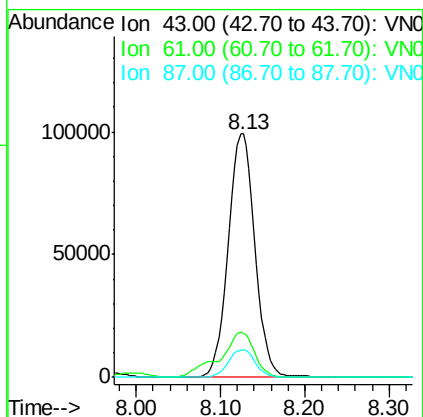
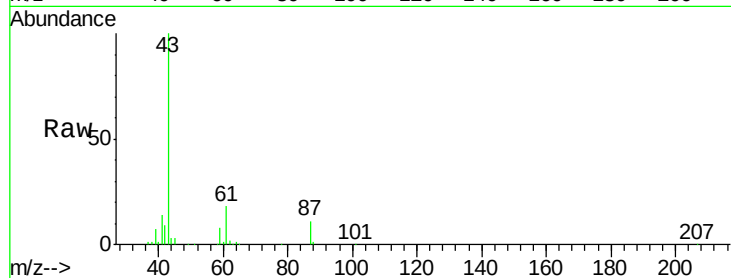
ClientSampleId :

ICVVN042720

Tot Ion:	43	Resp:	218216
Ion	Ratio	Lower	Upper
43	100		
61	24.2	19.5	29.3
87	11.4	8.9	13.3

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#44

Trichloroethene

Concen: 47.706 ug/l

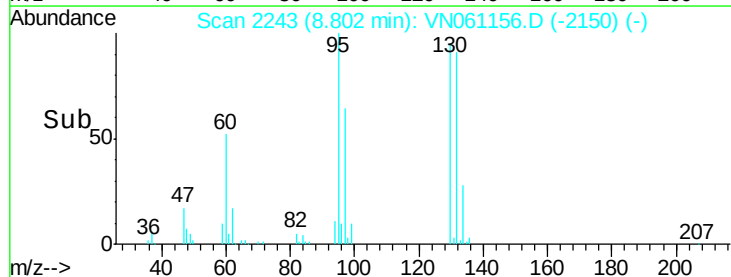
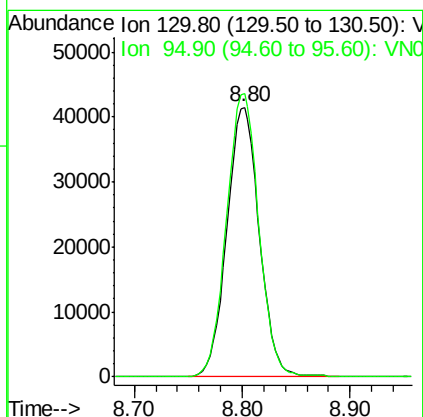
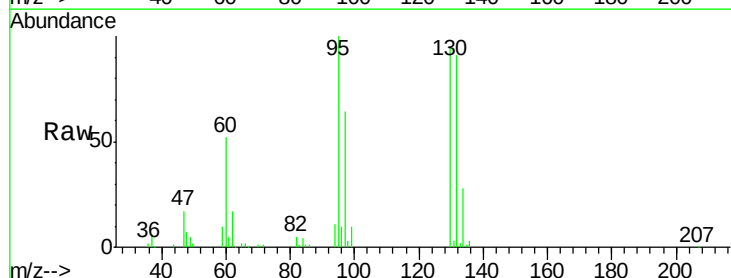
RT: 8.80 min Scan# 2243

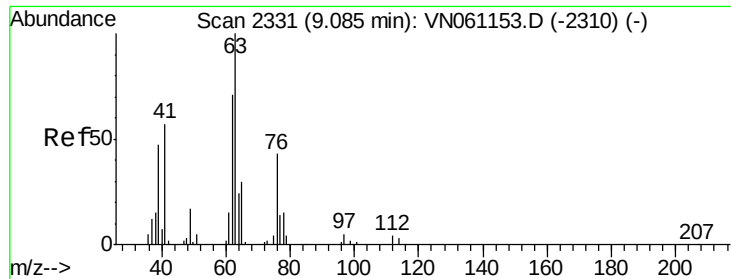
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	130	Resp:	86628
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	212.4





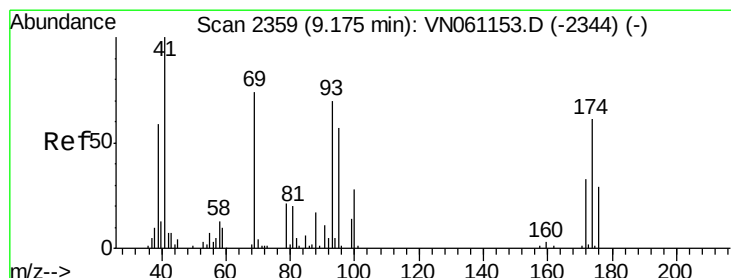
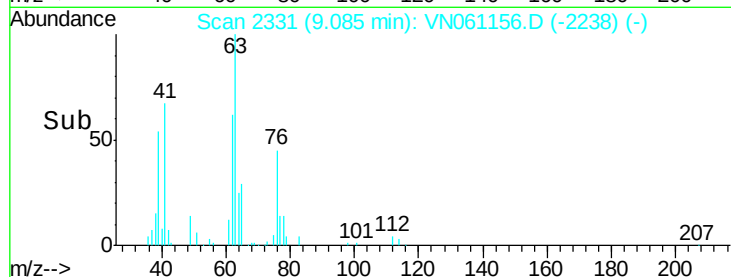
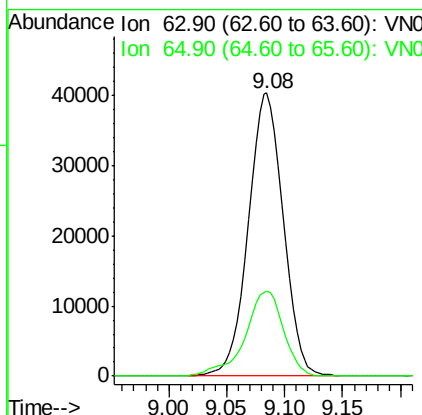
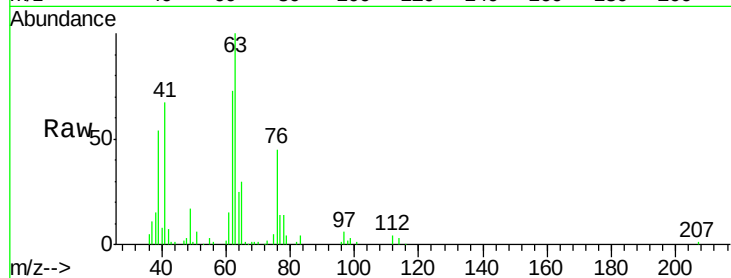
#45
 1,2-Dichloropropane
 Concen: 47.244 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion: 63 Resp: 84782
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1

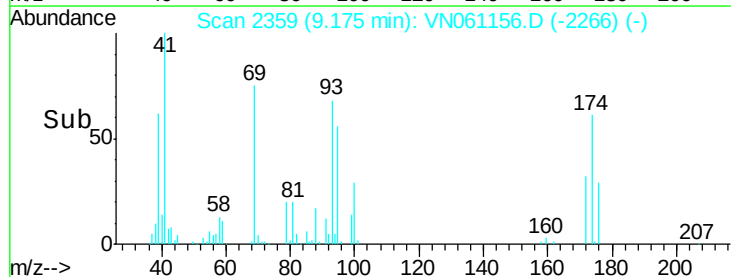
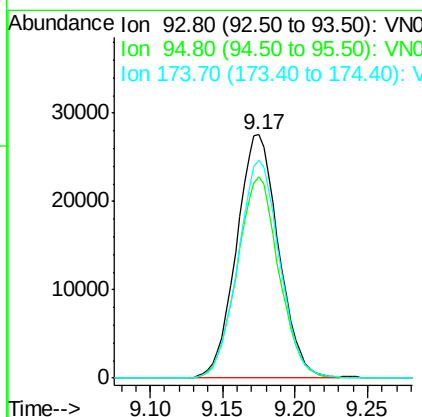
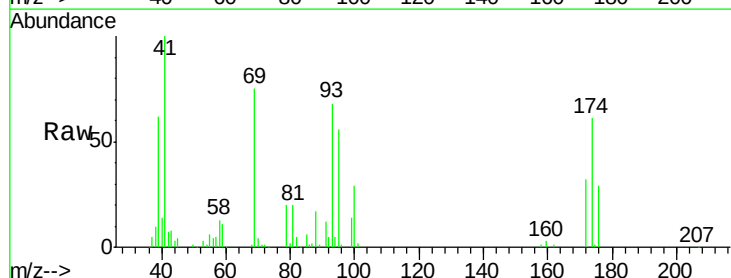
Manual Integrations
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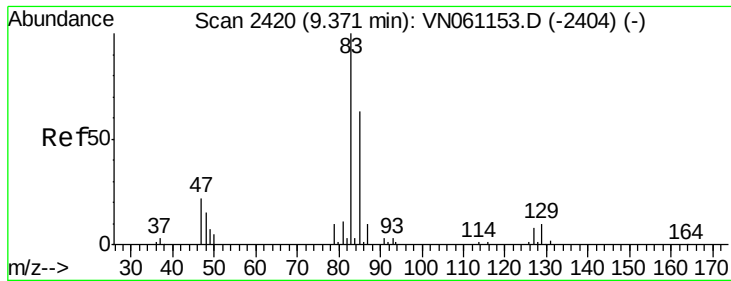
MMDadoda
 5/4/2020 9:59:35 AM



#46
 Dibromomethane
 Concen: 50.043 ug/l
 RT: 9.17 min Scan# 2359
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion: 93 Resp: 55605
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.6 99.8
 174 88.6 70.2 105.2





#47

Bromodichloromethane

Concen: 49.928 ug/l

RT: 9.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

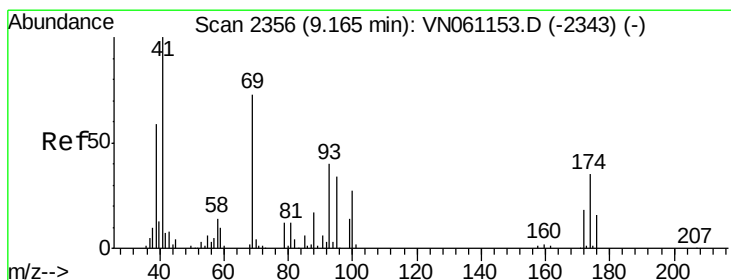
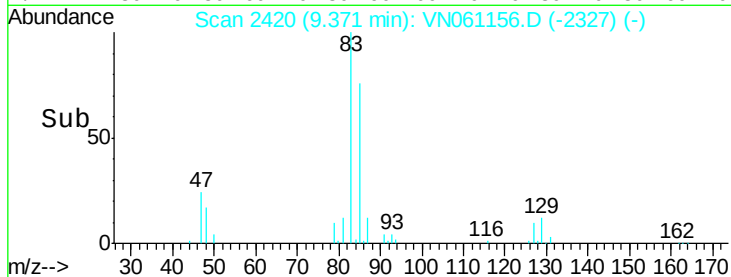
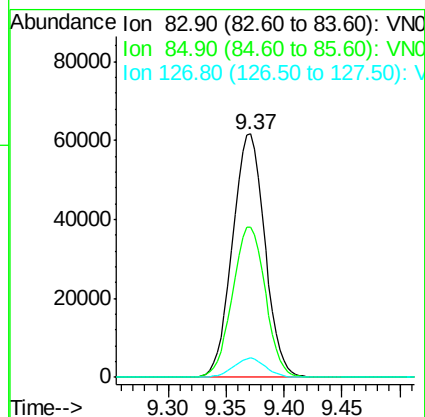
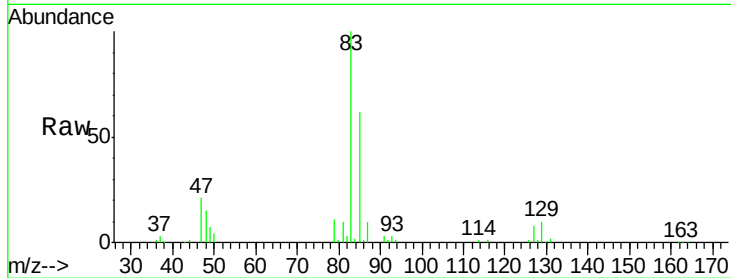
ClientSampleId :

ICVVN042720

Tot Ion:	83	Resp:	119077
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.4	75.6
127	7.8	6.2	9.2

Manual Integrations
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MMDadoda
5/4/2020 9:59:35 AM



#48

Methyl methacrylate

Concen: 49.935 ug/l

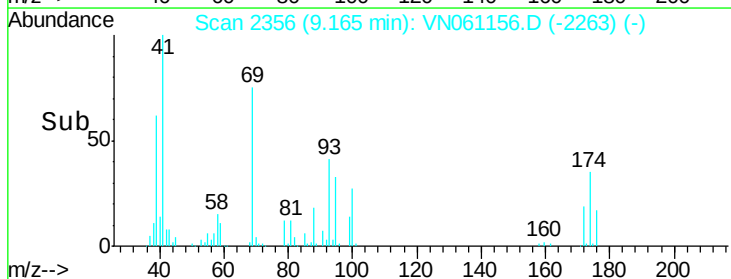
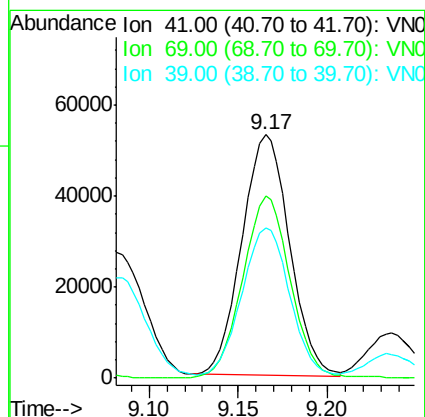
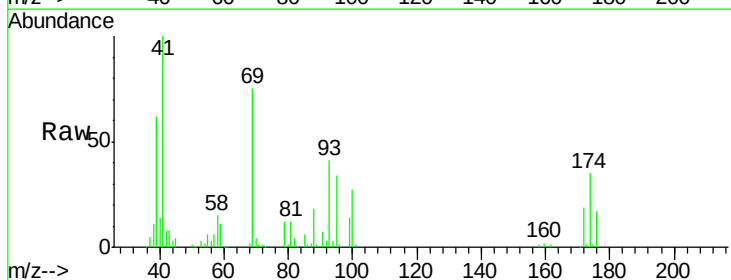
RT: 9.17 min Scan# 2356

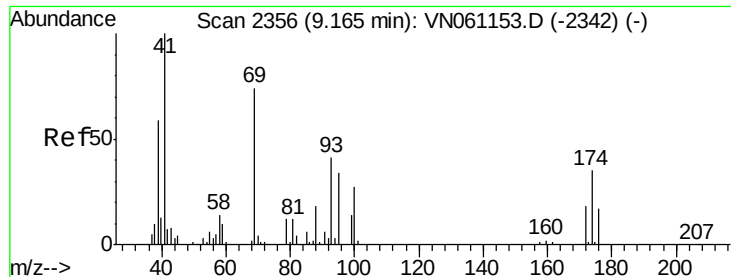
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	41	Resp:	98848
Ion	Ratio	Lower	Upper
41	100		
69	75.5	60.3	90.5
39	63.5	47.4	71.0





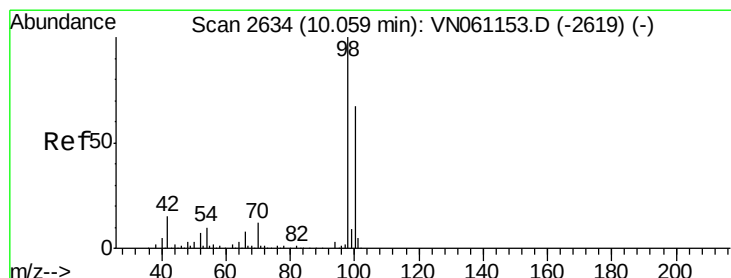
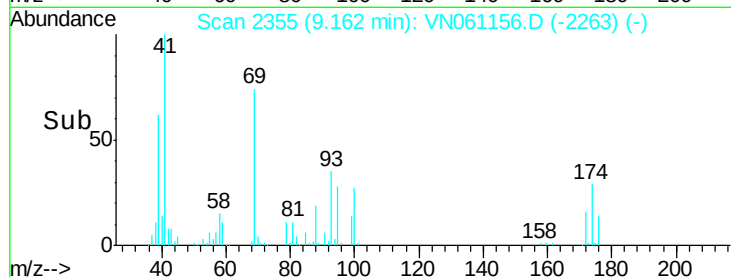
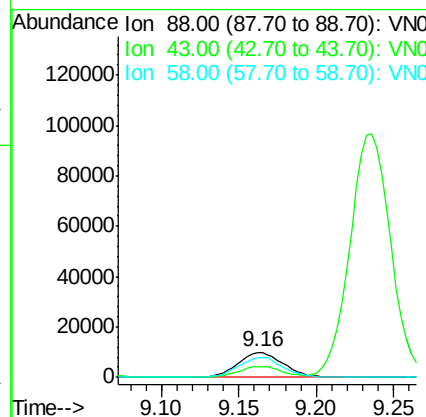
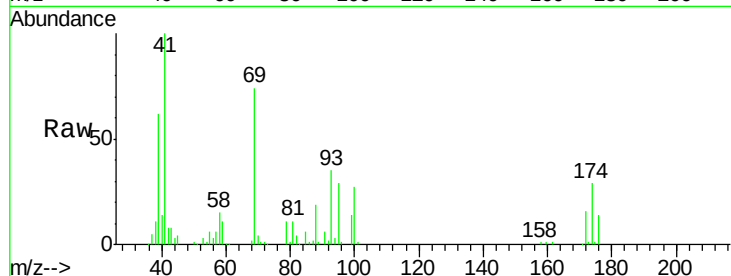
#49
1,4-Dioxane
Concen: 885.849 ug/l
RT: 9.16 min Scan# 2355
Delta R.T. -0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.5	35.3	52.9
58	78.5	61.5	92.3

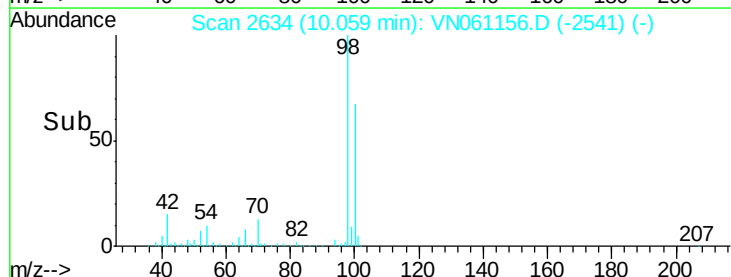
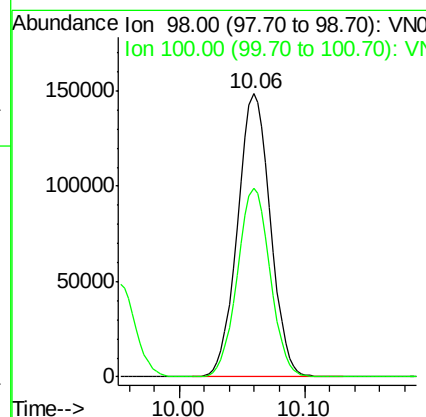
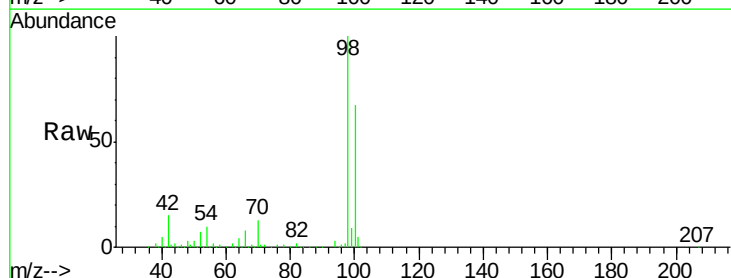
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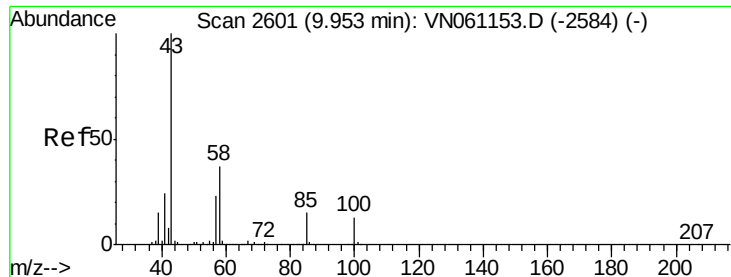
MMDadoda
5/4/2020 9:59:35 AM



#50
Toluene-d8
Concen: 49.777 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





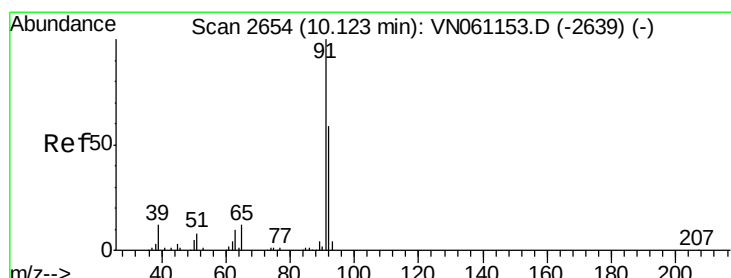
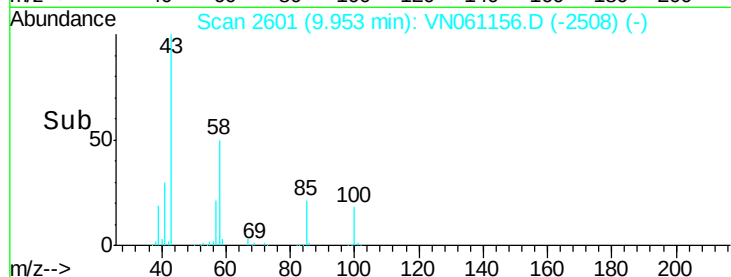
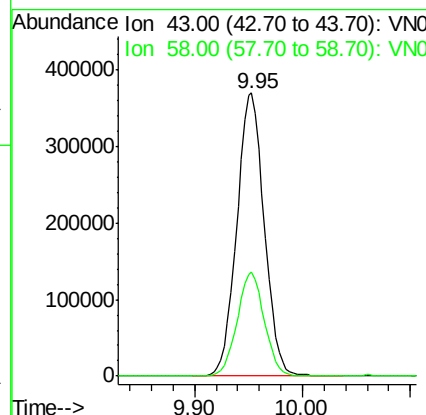
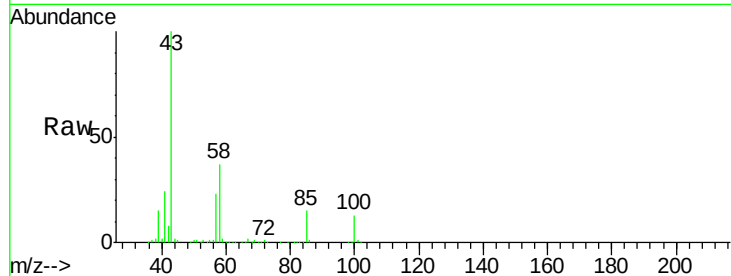
#51
 4-Methyl-2-Pentanone
 Concen: 254.153 ug/l
 RT: 9.95 min Scan# 2601
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion: 43 Resp: 656248
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.1 43.7

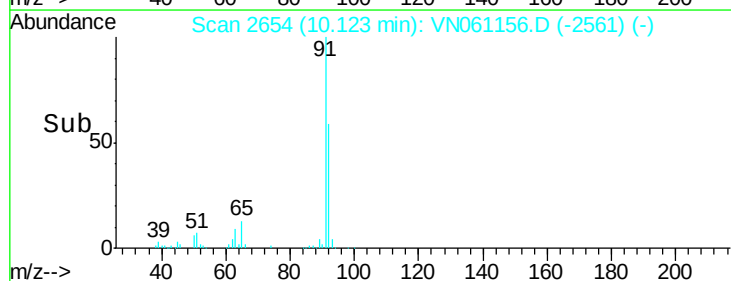
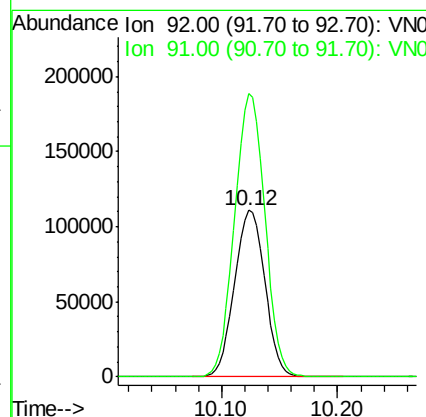
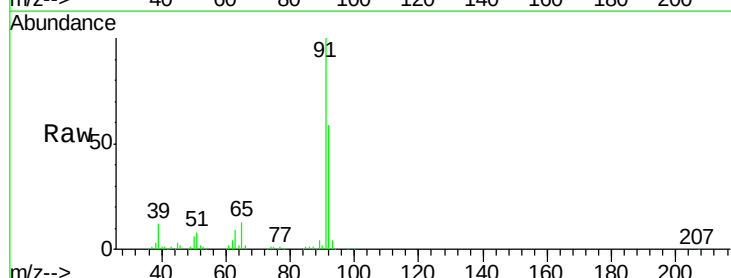
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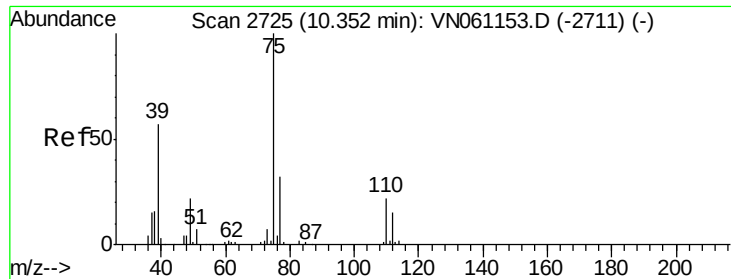
MMDadoda
 5/4/2020 9:59:35 AM



#52
 Toluene
 Concen: 49.819 ug/l
 RT: 10.12 min Scan# 2654
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion: 92 Resp: 201567
 Ion Ratio Lower Upper
 92 100
 91 170.1 136.2 204.2





#53

t-1,3-Dichloropropene

Concen: 50.323 ug/l

RT: 10.35 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN042720

Tot Ion: 75 Resp: 135234

Ion Ratio Lower Upper

75 100

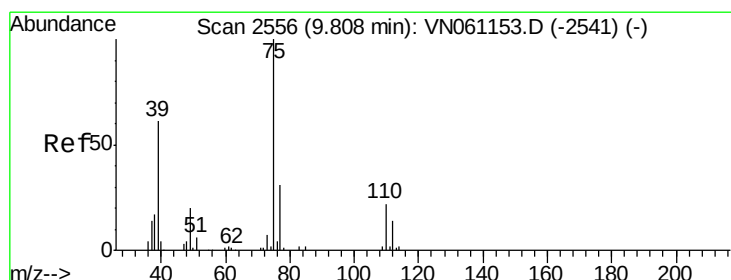
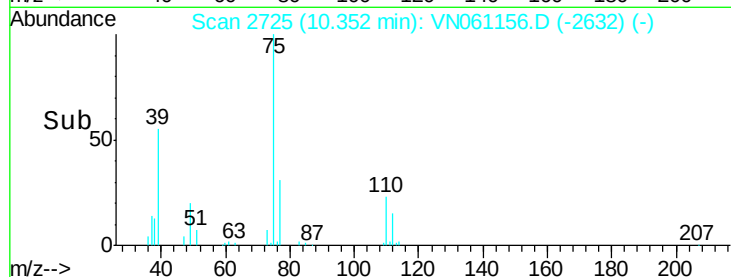
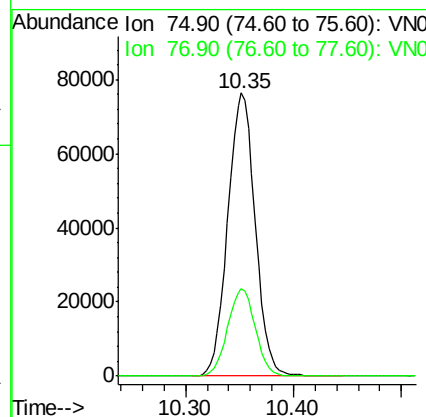
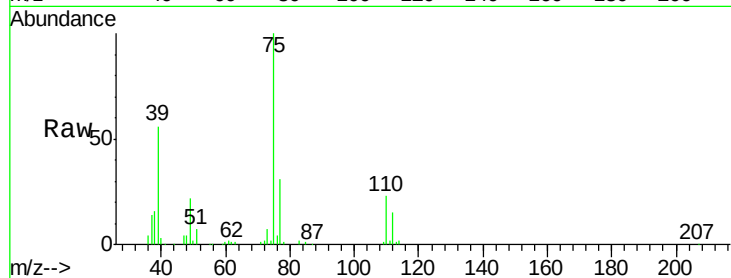
77 31.1 25.5 38.3

Manual Integrations

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MMDadoda

5/4/2020 9:59:35 AM



#54

cis-1,3-Dichloropropene

Concen: 49.782 ug/l

RT: 9.81 min Scan# 2556

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

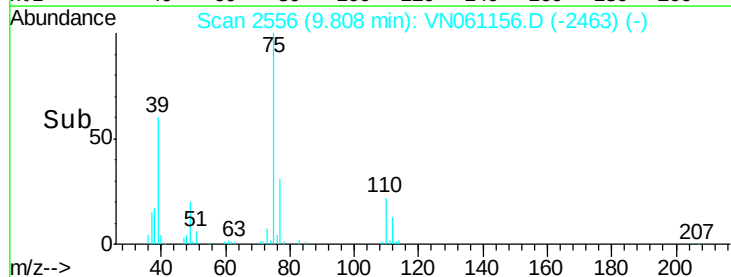
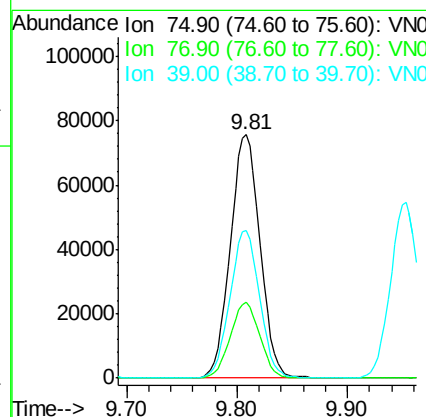
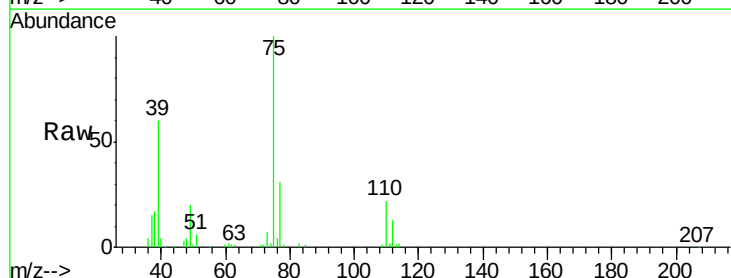
Tgt Ion: 75 Resp: 141433

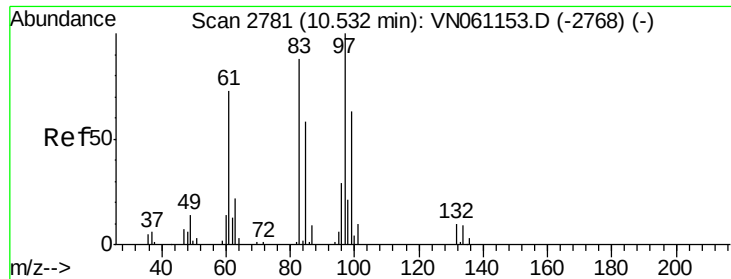
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4

39 60.4 48.7 73.1





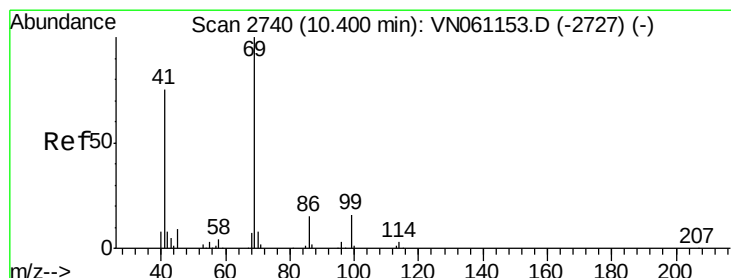
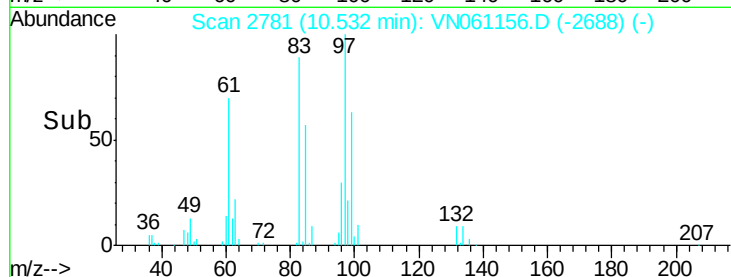
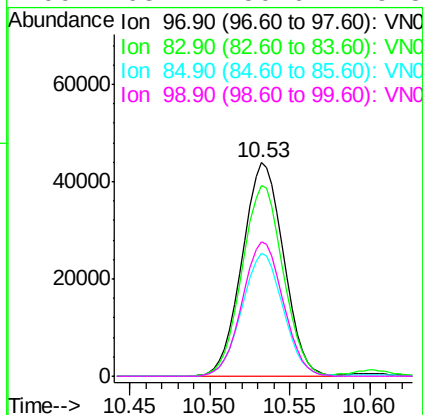
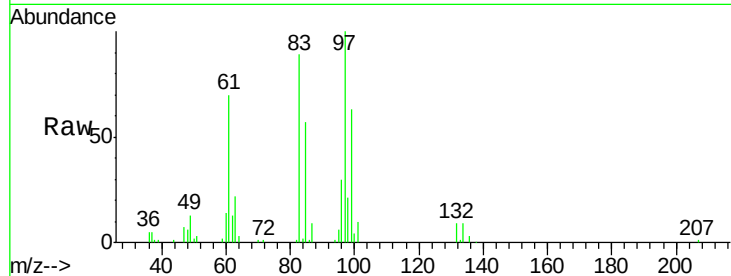
#55
 1,1,2-Trichloroethane
 Concen: 48.231 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion:	97	Resp:	77837
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.6	106.0
85	57.5	46.4	69.6
99	63.2	50.6	75.8

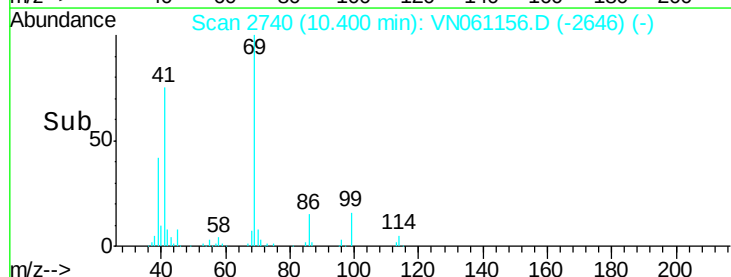
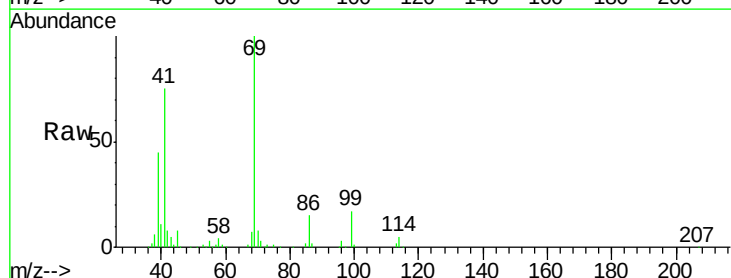
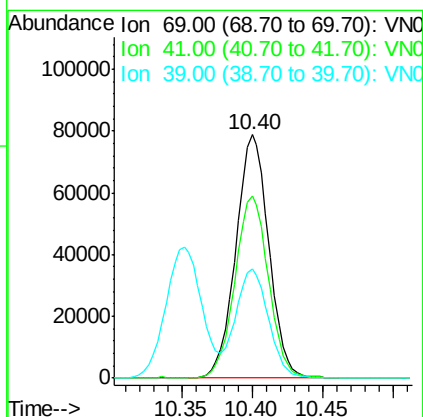
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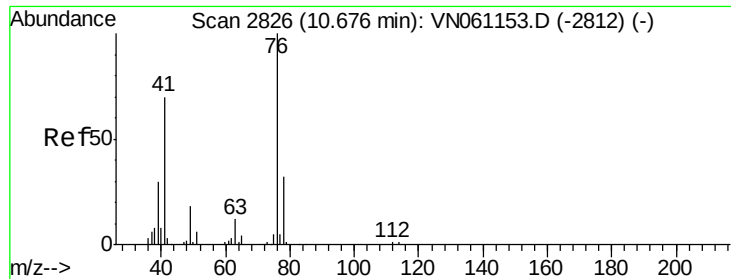
MMDadoda
 5/4/2020 9:59:35 AM



#56
 Ethyl methacrylate
 Concen: 46.171 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion:	69	Resp:	129221
Ion	Ratio	Lower	Upper
69	100		
41	75.6	60.3	90.5
39	44.2	35.9	53.9





#57

1,3-Dichloropropane

Concen: 49.988 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN042720

Tot Ion: 76 Resp: 141802

Ion Ratio Lower Upper

76 100

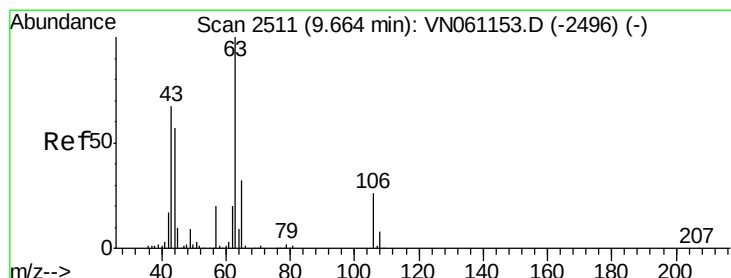
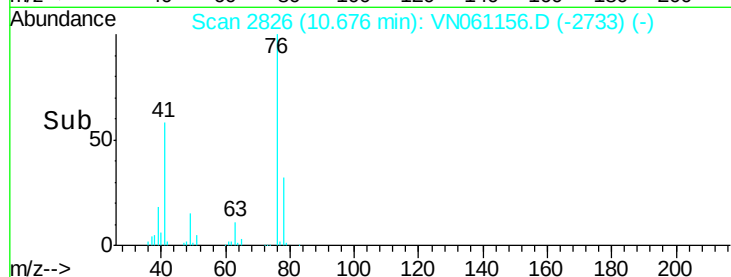
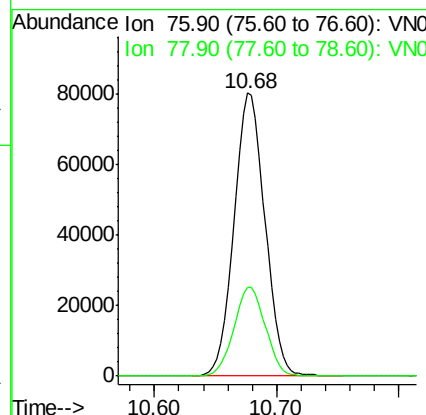
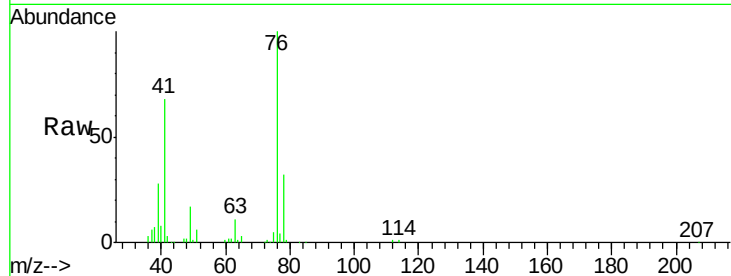
78 32.0 25.5 38.3

Manual Integrations

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5/4/2020 9:59:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 249.407 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061156.D

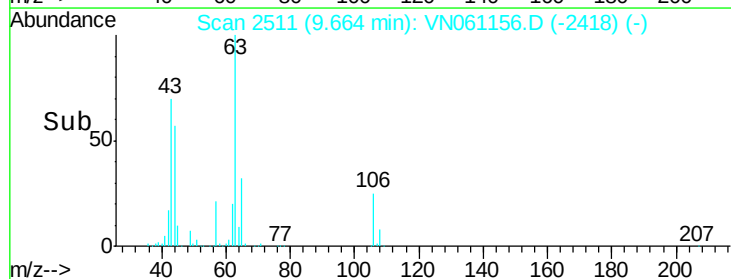
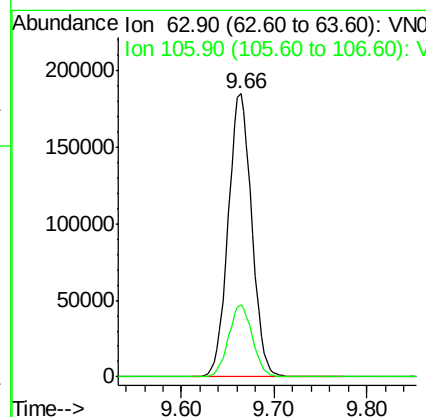
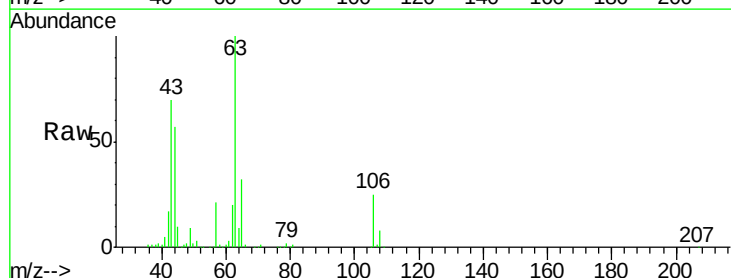
Acq: 27 Apr 2020 18:44

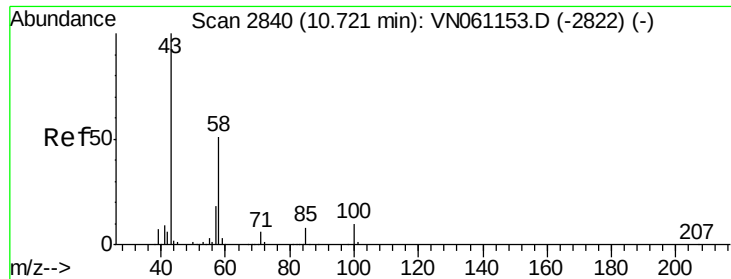
Tgt Ion: 63 Resp: 325802

Ion Ratio Lower Upper

63 100

106 25.6 20.6 30.8





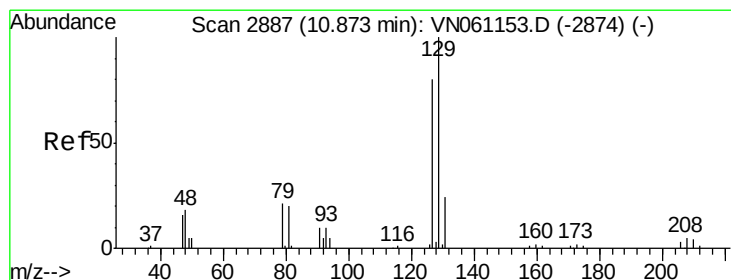
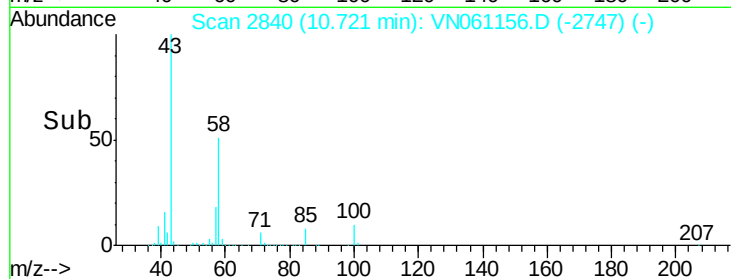
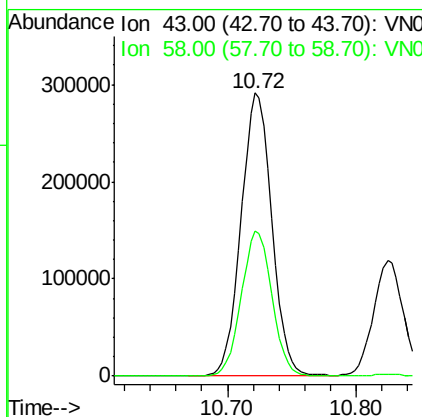
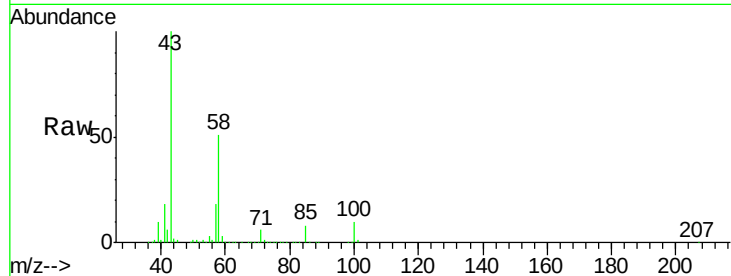
#59
2-Hexanone
Concen: 257.827 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	43	Resp	484335
Ion Ratio	100	Lower	Upper
43	100		
58	51.1	25.4	76.4

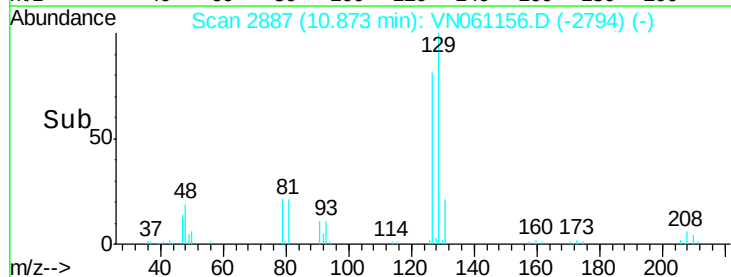
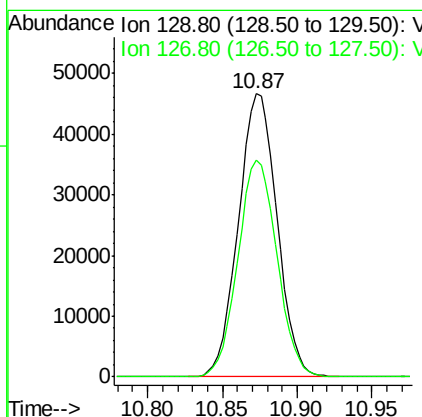
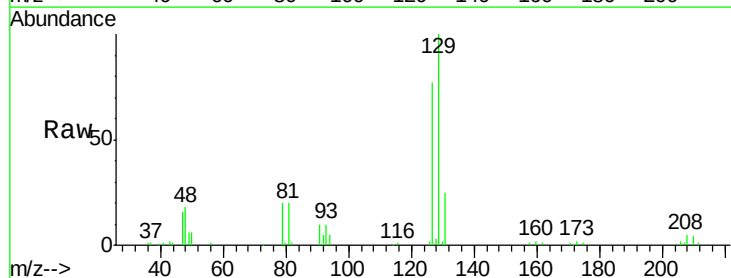
Manual Integrations
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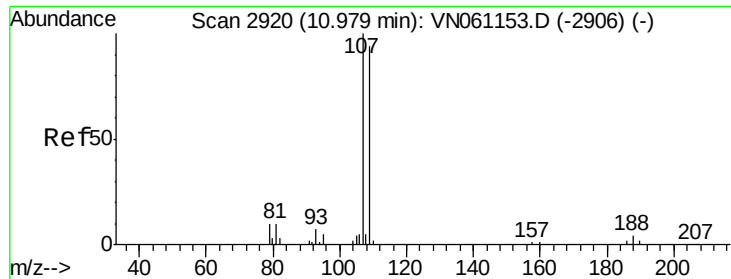
MMDadoda
5/4/2020 9:59:35 AM



#60
Dibromochloromethane
Concen: 49.819 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	129	Resp	84206
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	39.3	117.8





#61

1,2-Dibromoethane

Concen: 50.363 ug/l

RT: 10.98 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion: 107 Resp: 81463

Ion Ratio Lower Upper

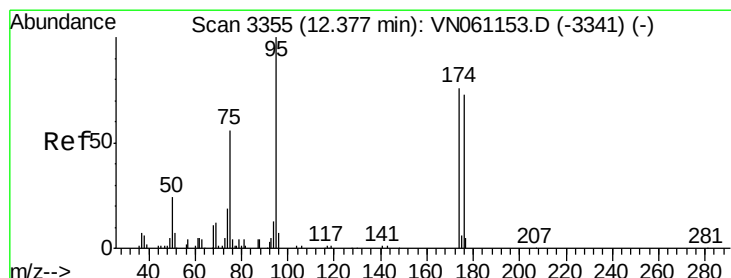
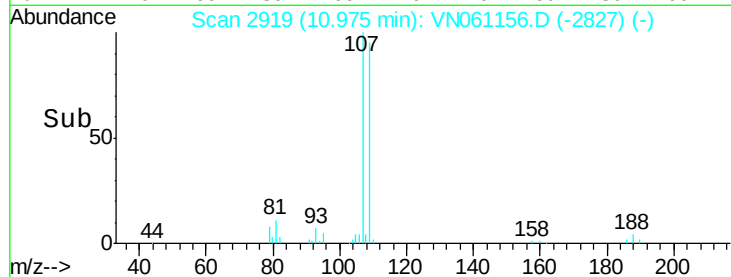
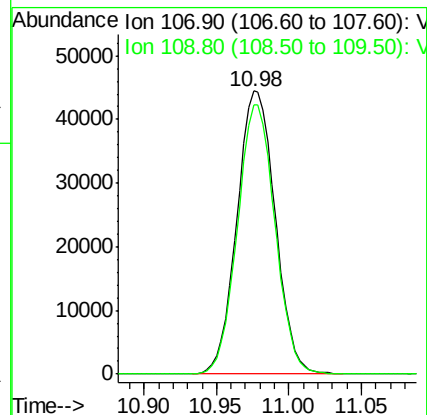
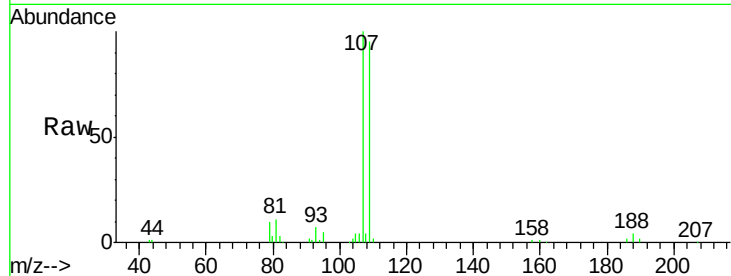
107 100

109 93.5 74.8 112.2

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5/4/2020 9:59:35 AM



#62

4-Bromofluorobenzene

Concen: 50.024 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

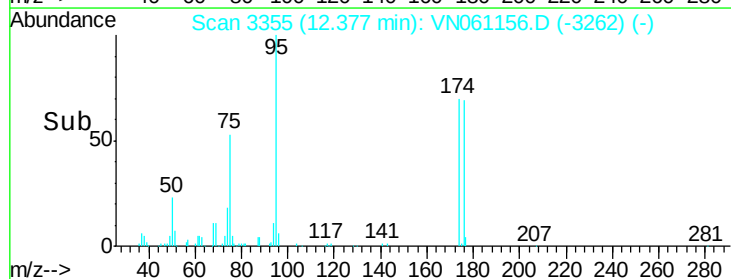
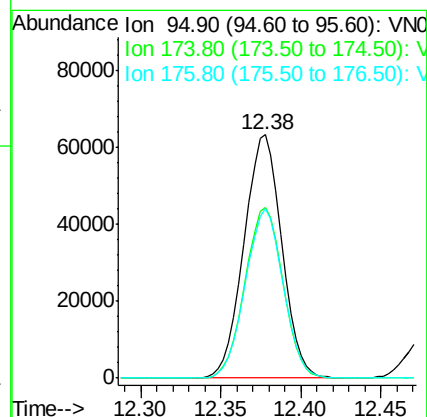
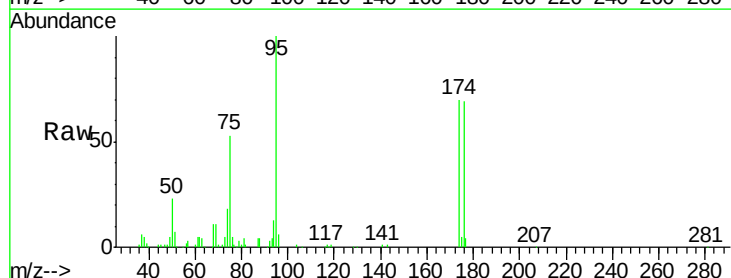
Tgt Ion: 95 Resp: 102206

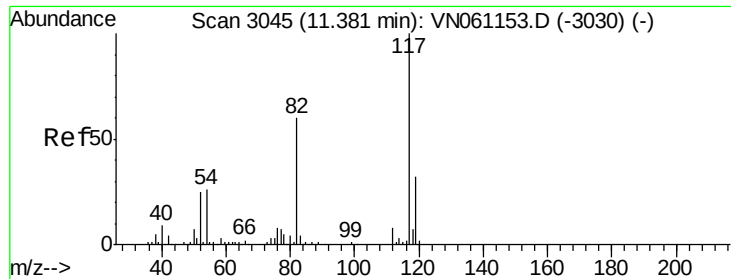
Ion Ratio Lower Upper

95 100

174 70.8 0.0 149.4

176 69.4 0.0 144.8





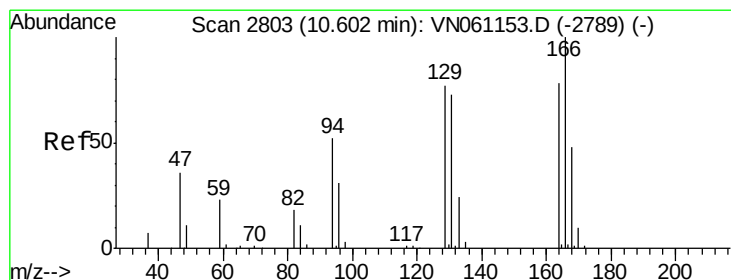
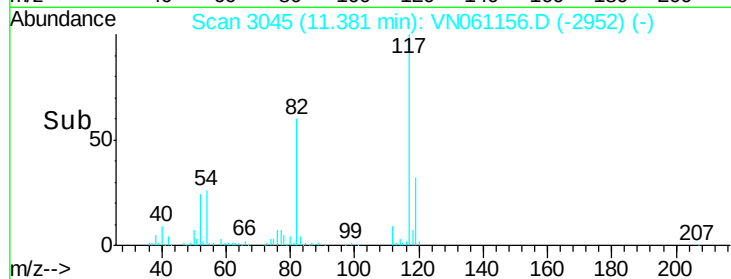
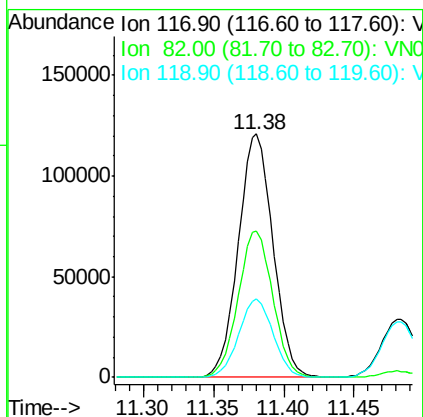
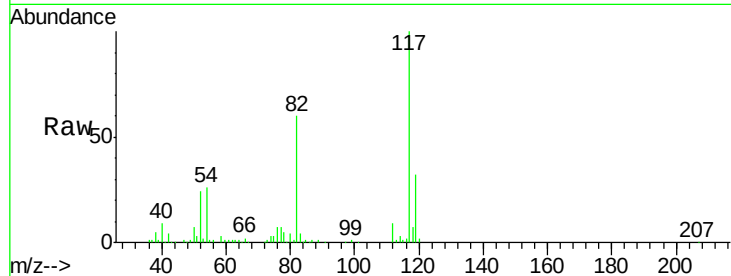
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208764		
82	60.3		47.8	71.8
119	32.0		25.8	38.6

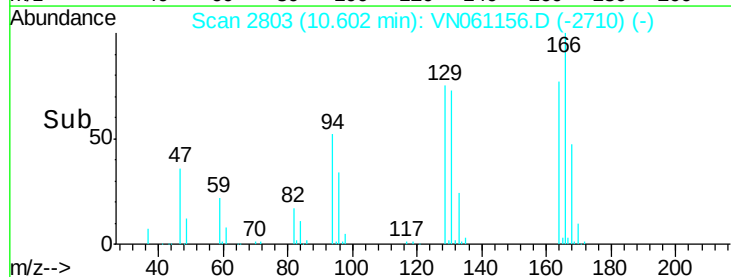
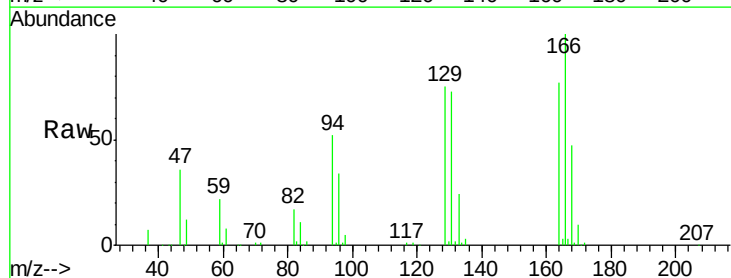
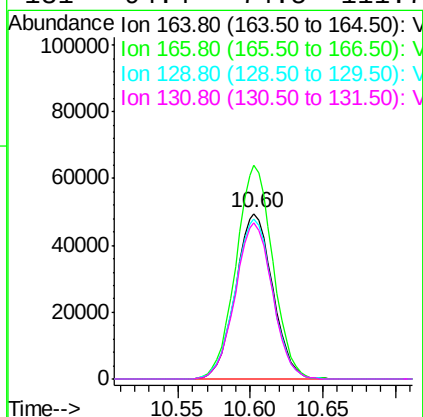
Manual Integrations
APPROVED

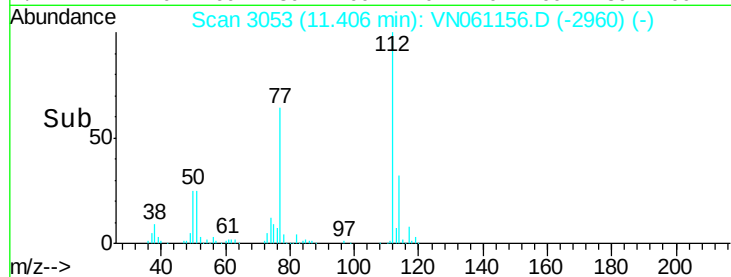
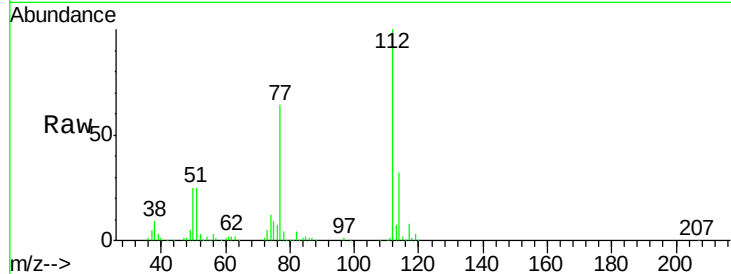
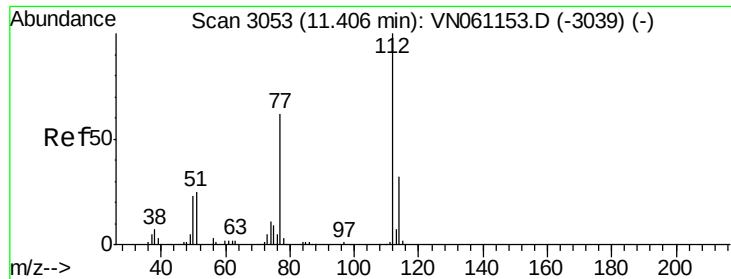
MMDadoda
5/4/2020 9:59:35 AM



#64
Tetrachloroethene
Concen: 48.573 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87826		
166	129.3		102.0	153.0
129	97.0		78.2	117.2
131	94.4		74.5	111.7





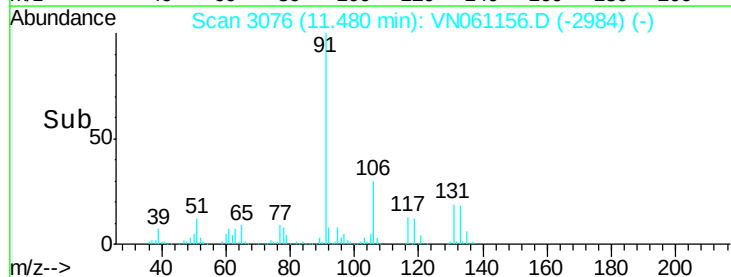
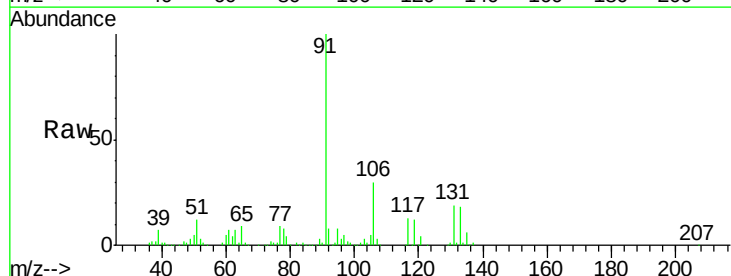
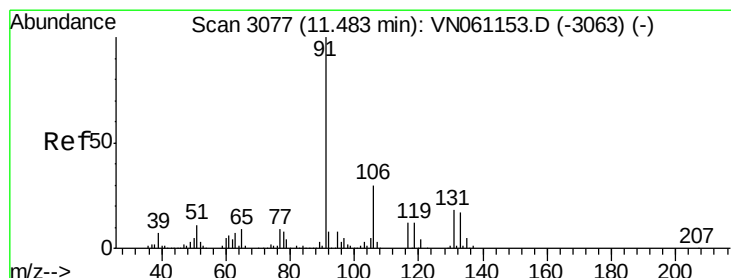
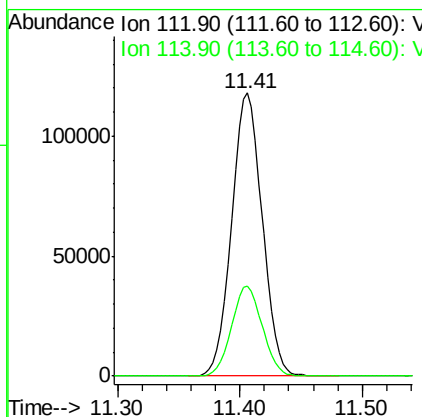
#65
Chlorobenzene
Concen: 49.537 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tot Ion	Ratio	Resp	Lower	Upper
112	100	205141		
114	31.7	25.4	38.2	

Instrument :
MSVOA_N
ClientSampled :
ICVVN042720

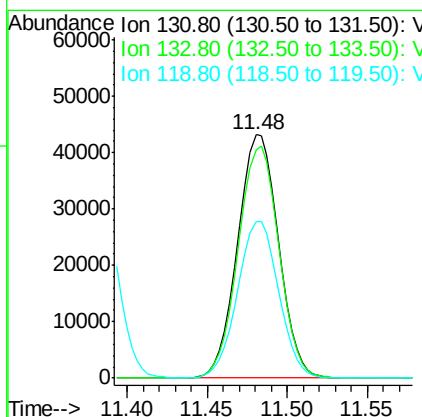
Manual Integrations
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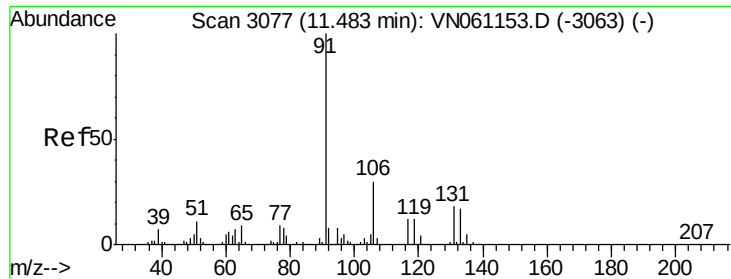
MMDadoda
5/4/2020 9:59:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.738 ug/l
RT: 11.48 min Scan# 3076
Delta R.T. -0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	75202		
133	95.3	48.0	144.2	
119	64.8	32.6	97.8	





#67

Ethyl Benzene

Concen: 50.688 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN042720

Tot Ion: 91 Resp: 392945

Ion Ratio Lower Upper

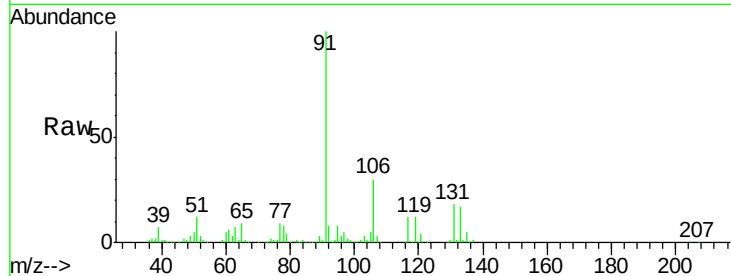
91 100

106 30.3 23.8 35.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

300000

250000

200000

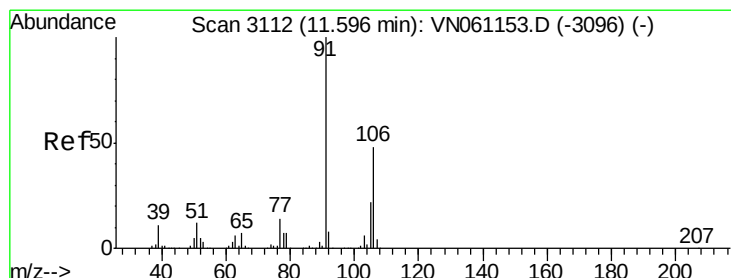
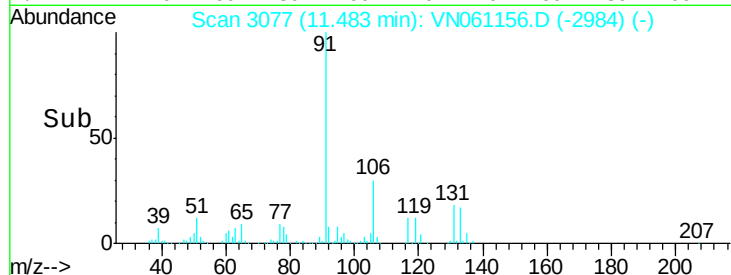
150000

100000

50000

0

Time--> 11.40 11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 101.238 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061156.D

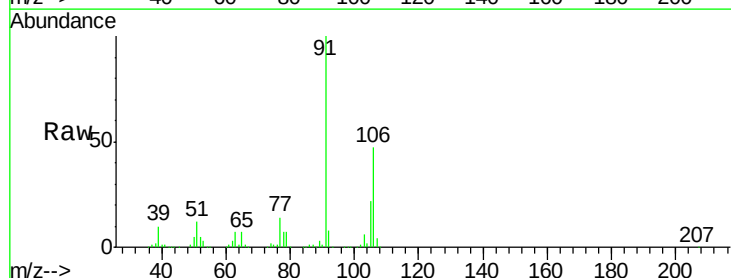
Acq: 27 Apr 2020 18:44

Tgt Ion: 106 Resp: 287267

Ion Ratio Lower Upper

106 100

91 211.0 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

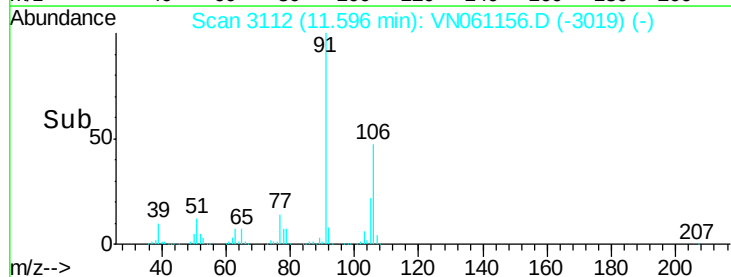
300000

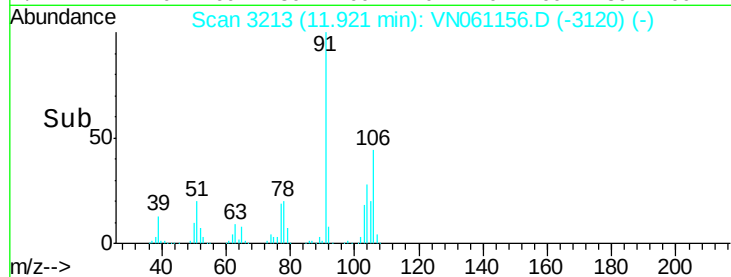
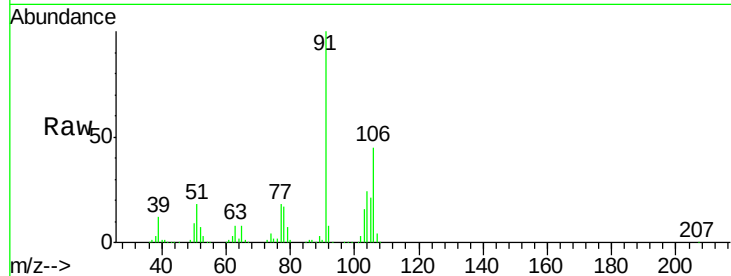
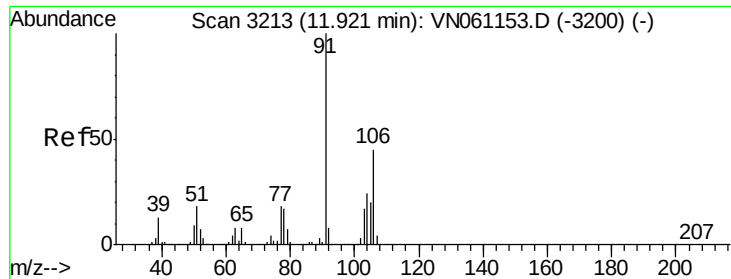
200000

100000

0

Time--> 11.50 11.60 11.70





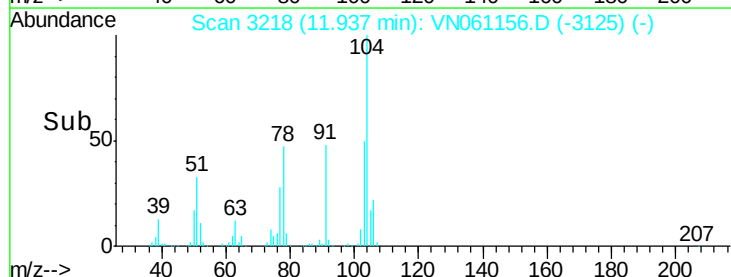
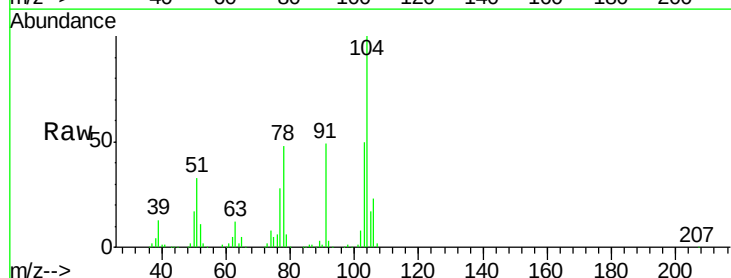
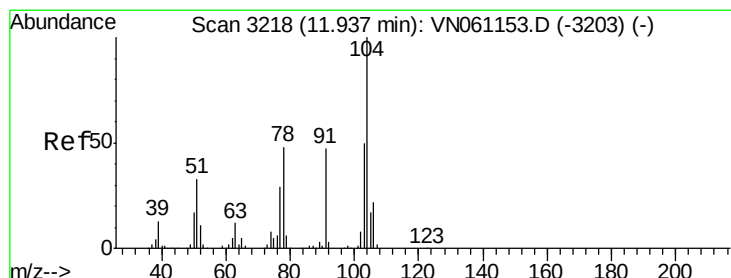
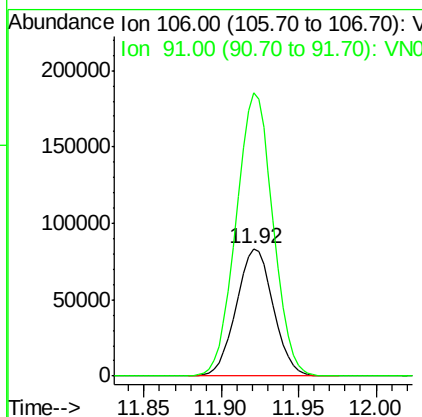
#69
o-Xylene
Concen: 50.808 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	138485		
91	91	221.9	109.7	329.0	

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

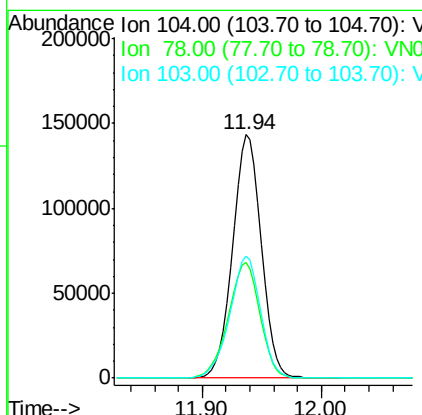
Manual Integrations
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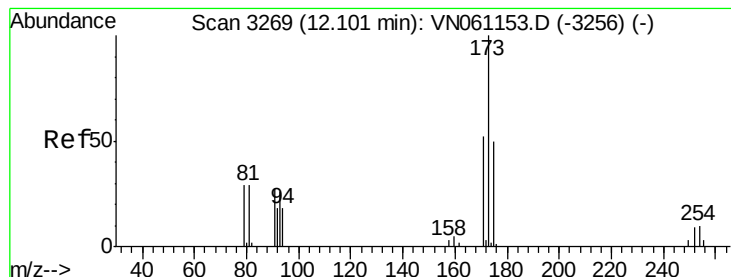
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#70
Styrene
Concen: 52.488 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	239445		
78	78	52.5	42.1	63.1	
103	103	53.7	43.3	64.9	





#71

Bromoform

Concen: 53.121 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion:173 Resp: 57865

Ion Ratio Lower Upper

173 100

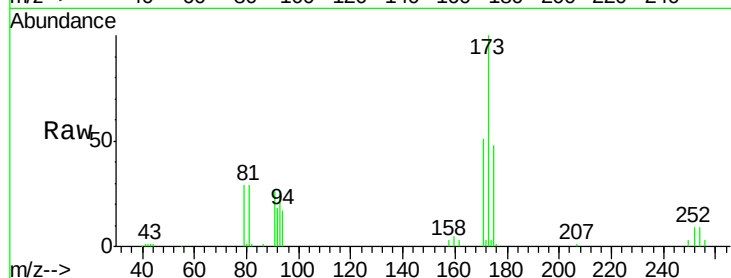
175 47.8 24.1 72.4

254 0.0 0.0 0.0

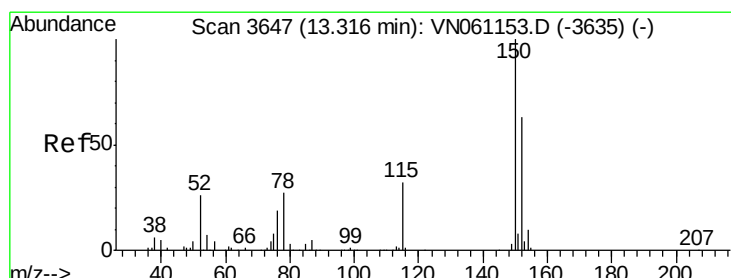
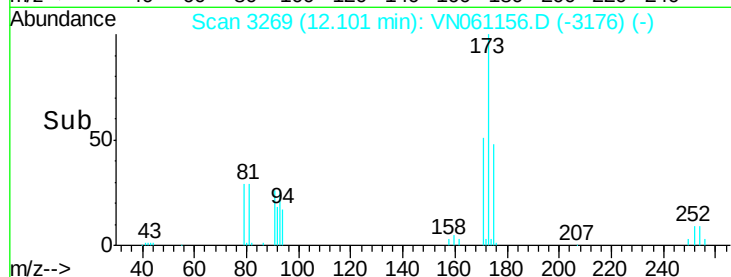
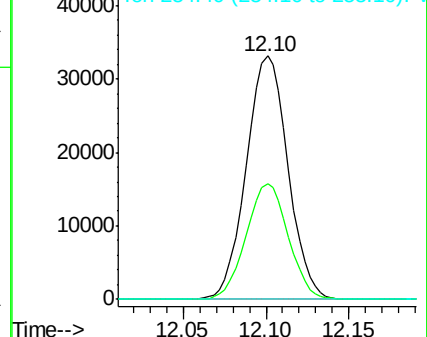
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

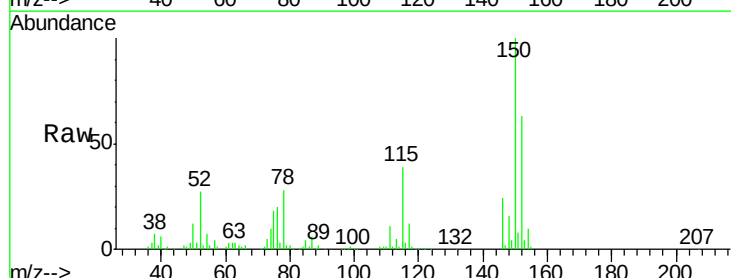
Tgt Ion:152 Resp: 101477

Ion Ratio Lower Upper

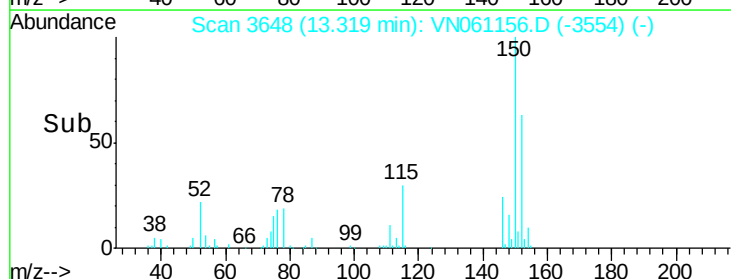
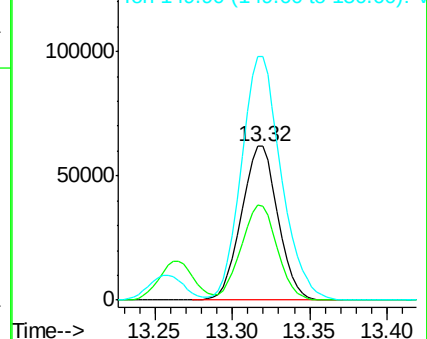
152 100

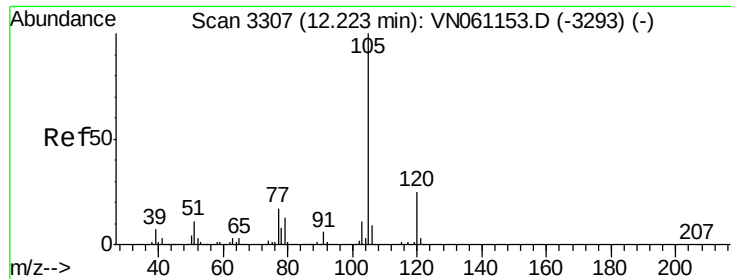
115 61.4 31.0 93.0

150 172.5 0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.456 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion:105 Resp: 376408

Ion Ratio Lower Upper

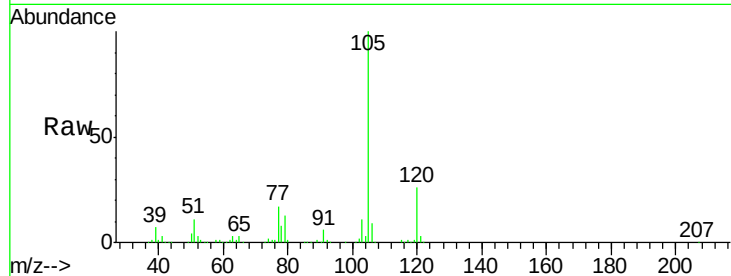
105 100

120 25.8 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

250000

200000

150000

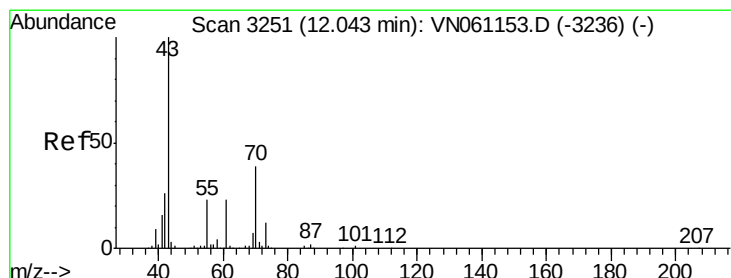
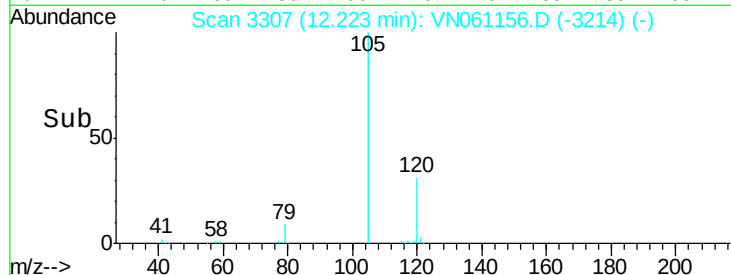
100000

50000

0

Time-->

12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 52.352 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion: 43 Resp: 197767

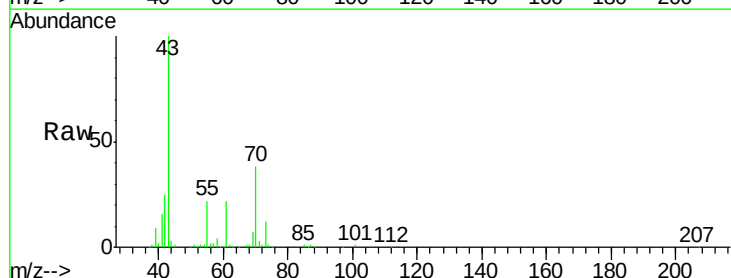
Ion Ratio Lower Upper

43 100

70 38.1 30.6 46.0

55 22.6 18.5 27.7

61 22.1 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

200000

150000

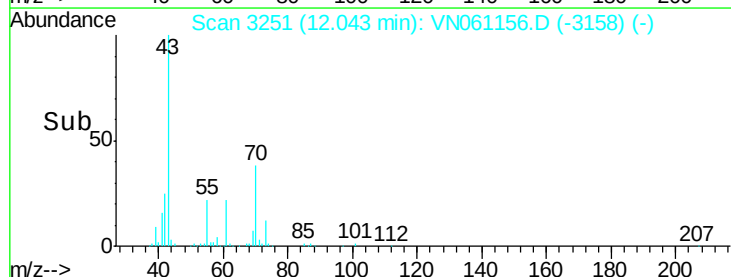
100000

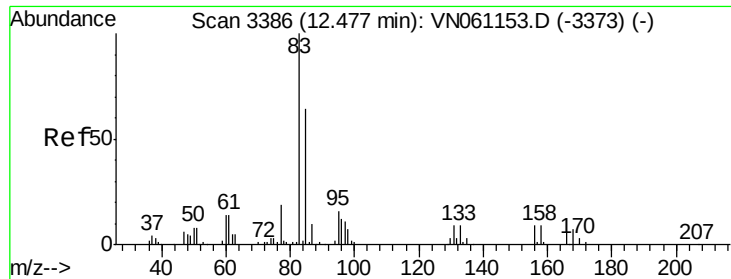
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.911 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

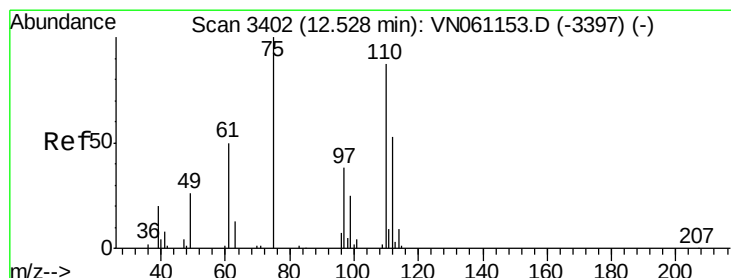
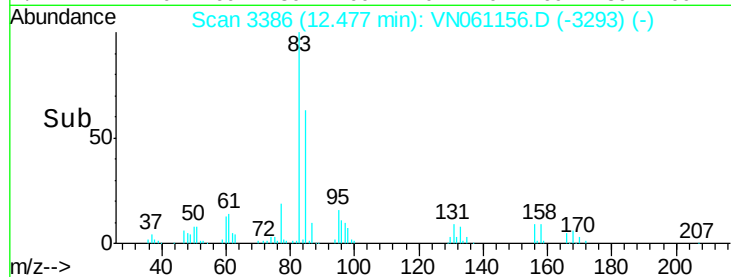
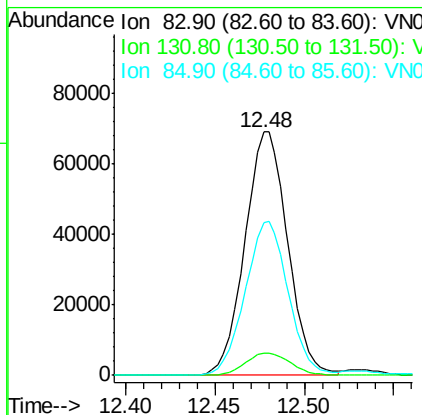
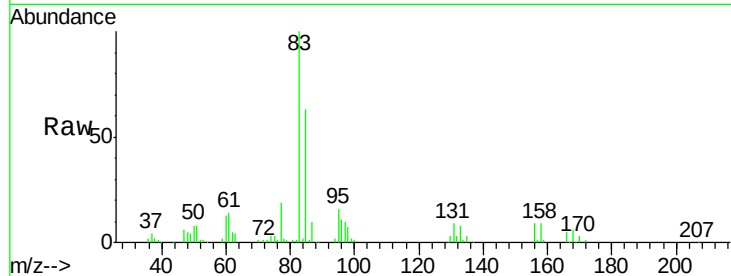
ClientSampled :

ICVVN042720

Tot Ion:	83	Resp:	116101
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	63.2	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.488 ug/l m

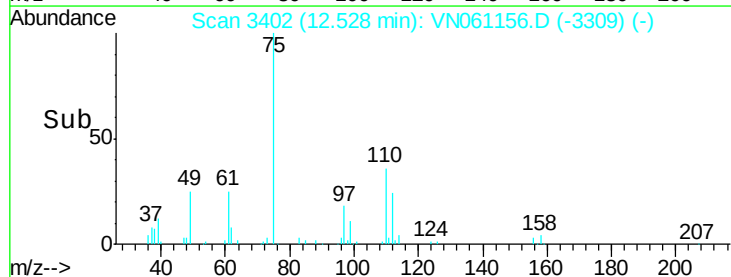
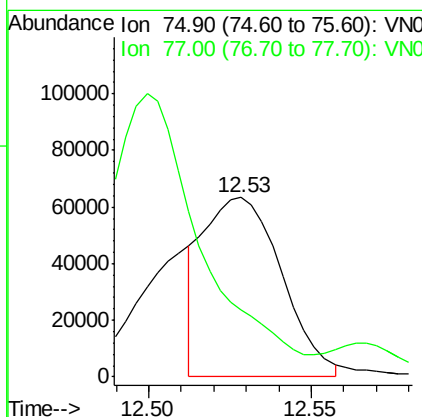
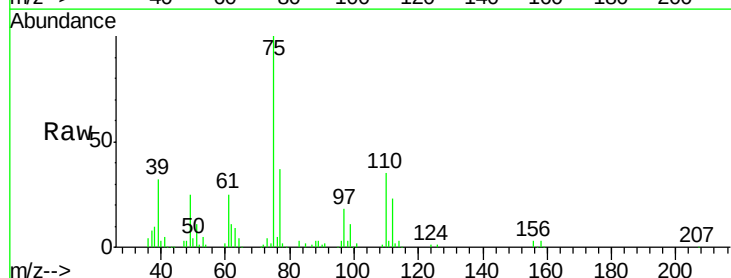
RT: 12.53 min Scan# 3402

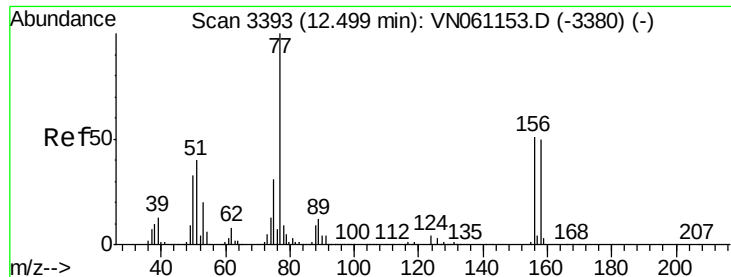
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	75	Resp:	105875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.691 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion:156 Resp: 85574

Ion Ratio Lower Upper

156 100

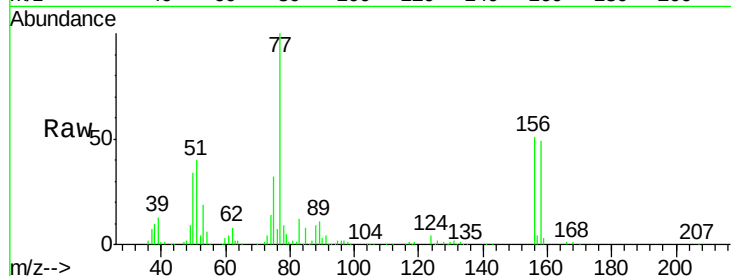
77 239.1 117.4 352.2

158 97.4 48.4 145.0

Manual Integrations
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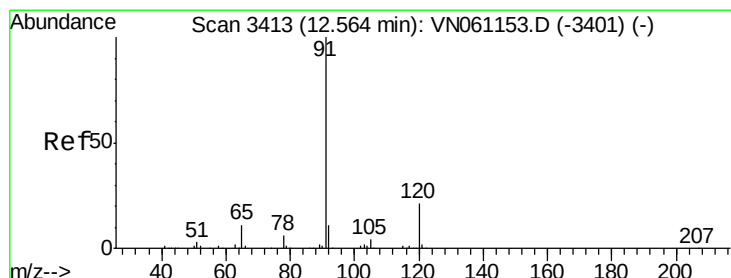
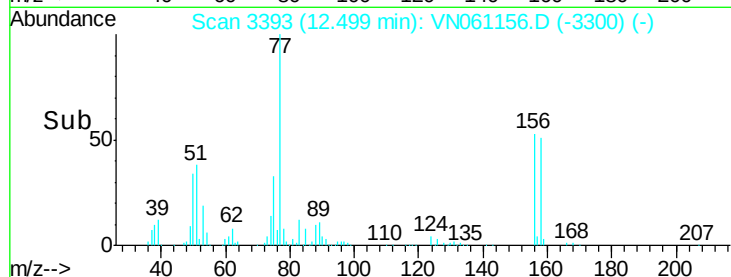
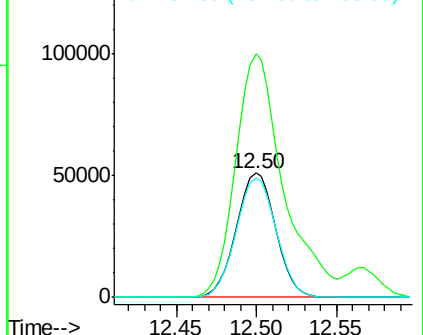
5/4/2020 9:59:35 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.676 ug/l

RT: 12.57 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN061156.D

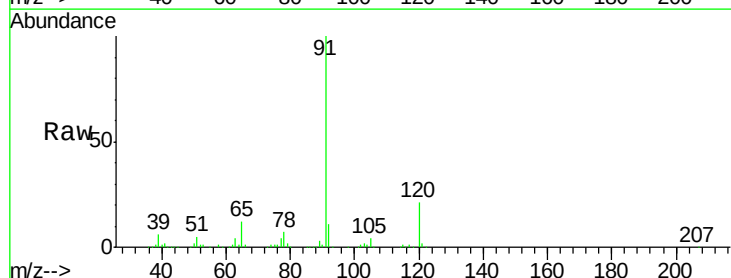
Acq: 27 Apr 2020 18:44

Tgt Ion: 91 Resp: 448403

Ion Ratio Lower Upper

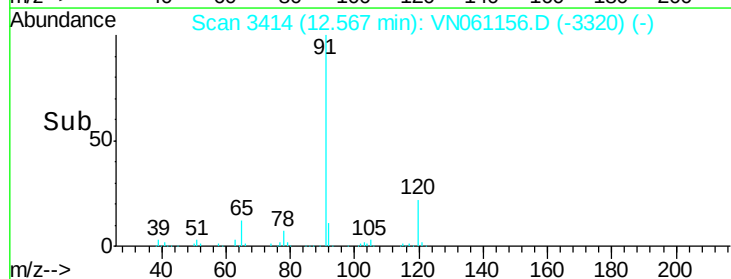
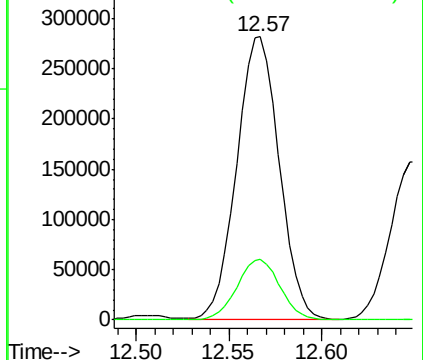
91 100

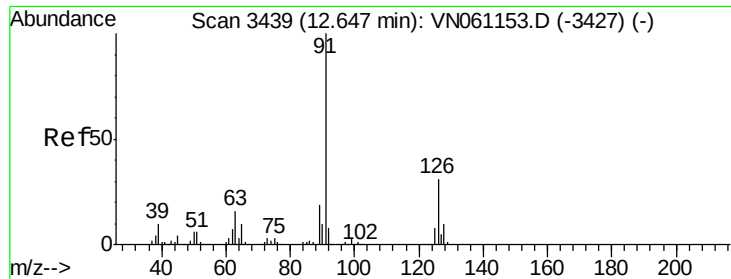
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.239 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN042720

Tot Ion: 91 Resp: 261286

Ion Ratio Lower Upper

91 100

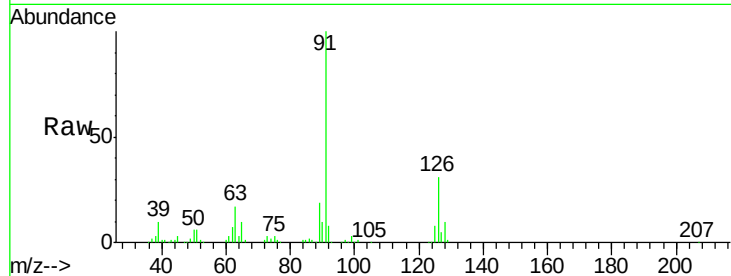
126 31.7 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061156.D (-3427) (-)

Ion 125.90 (125.60 to 126.60): VN061156.D (-3427) (-)

300000

250000

200000

150000

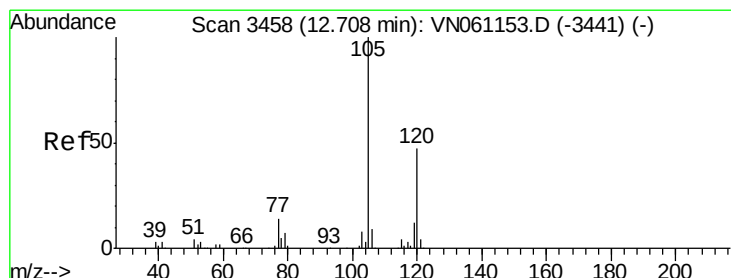
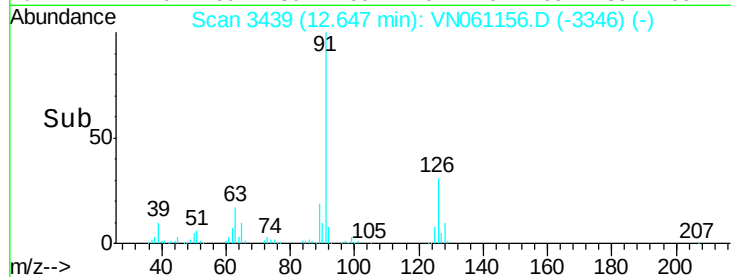
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.118 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061156.D

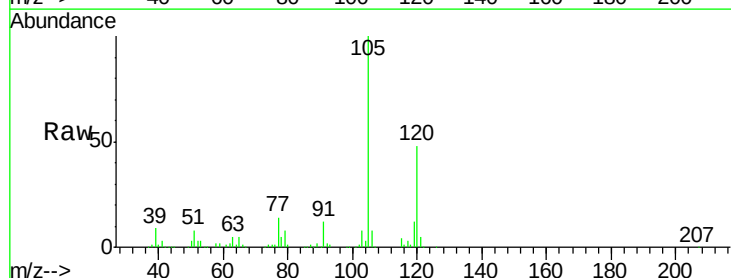
Acq: 27 Apr 2020 18:44

Tgt Ion: 105 Resp: 315623

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN061156.D (-3441) (-)

Ion 120.00 (119.70 to 120.70): VN061156.D (-3441) (-)

200000

150000

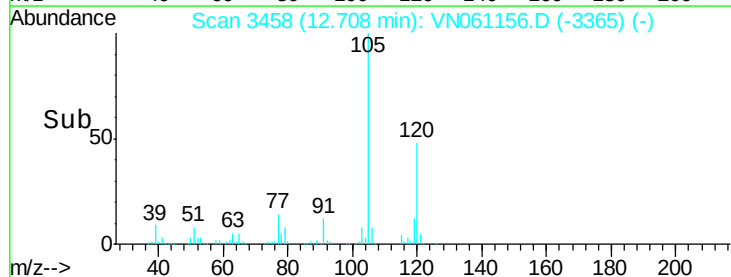
100000

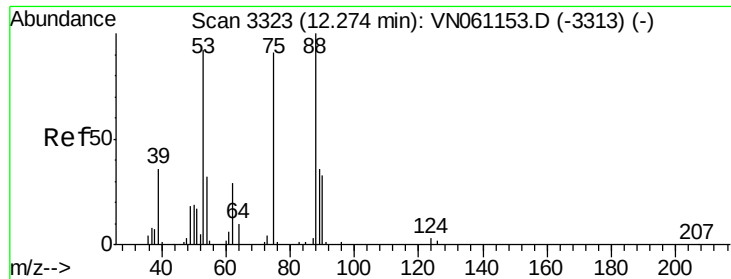
50000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.487 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

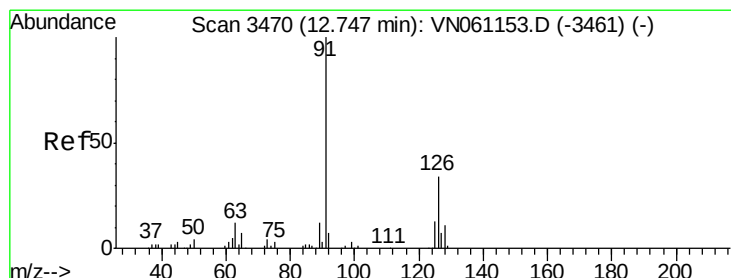
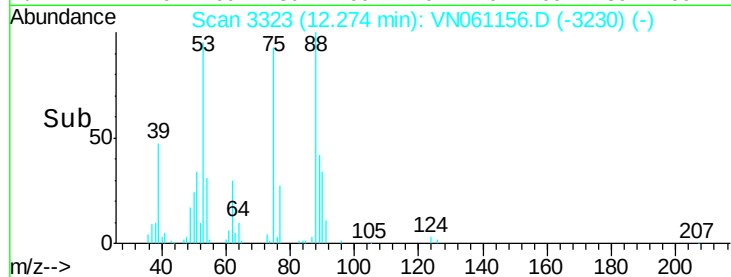
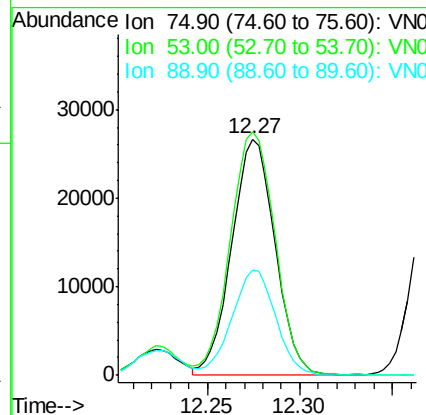
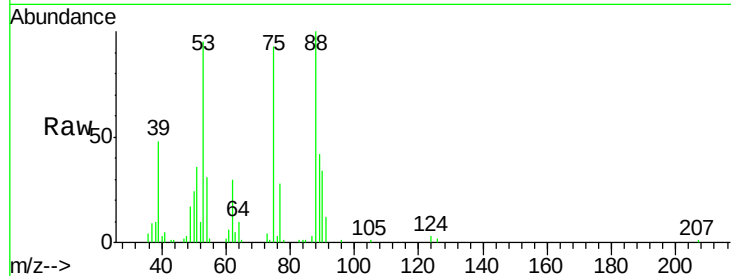
ClientSampleId :

ICVVN042720

Tot Ion:	75	Resp:	43376
Ion	Ratio	Lower	Upper
75	100		
53	106.2	84.1	126.1
89	44.8	35.2	52.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.414 ug/l

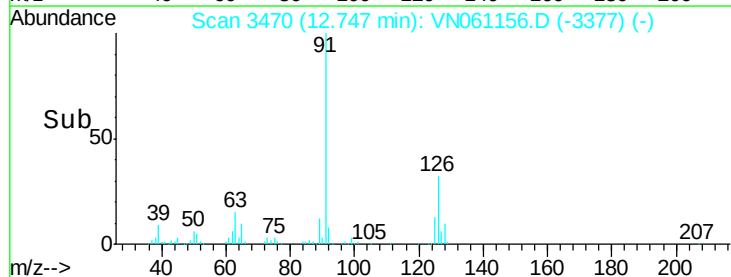
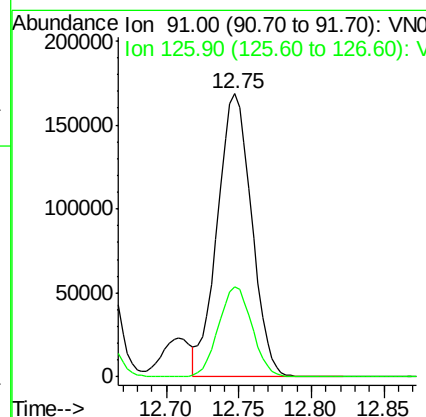
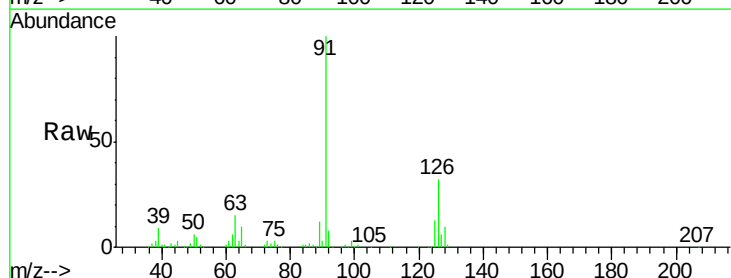
RT: 12.75 min Scan# 3470

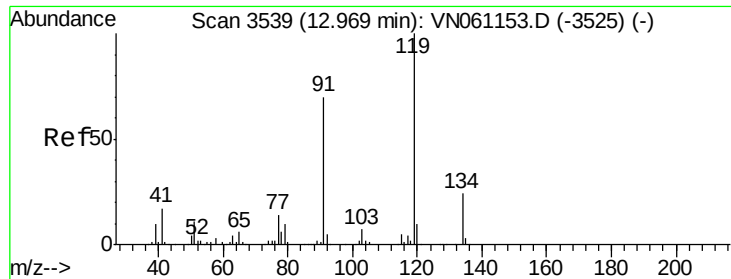
Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	91	Resp:	276348
Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





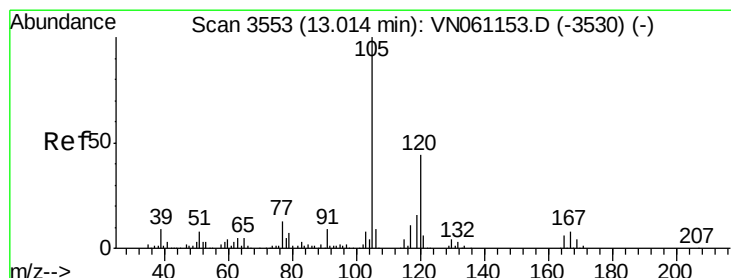
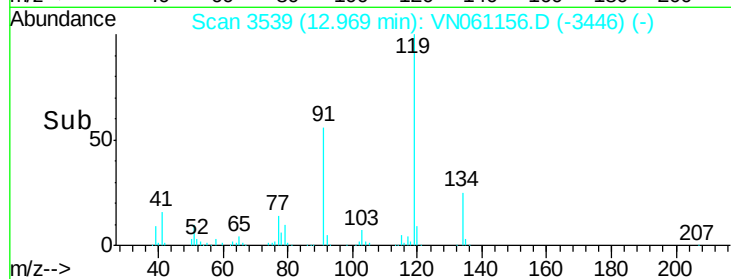
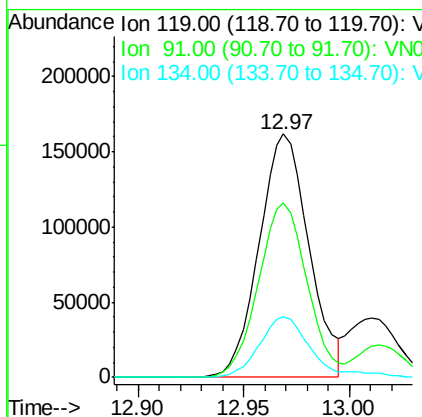
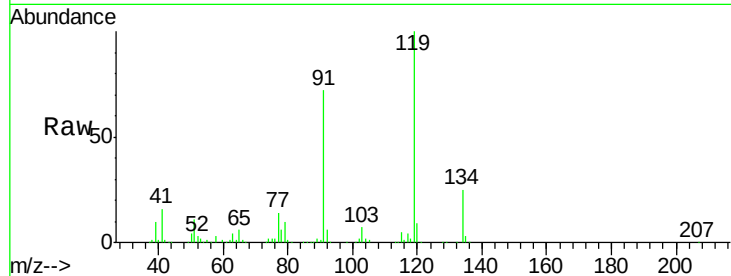
#83
 tert-Butylbenzene
 Concen: 51.074 ug/l
 RT: 12.97 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265905		
91	70.3		34.8	104.4
134	25.8		12.9	38.7

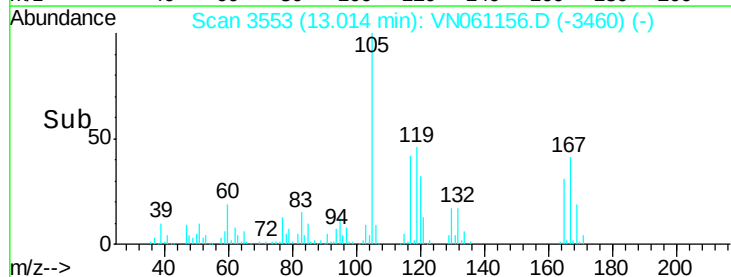
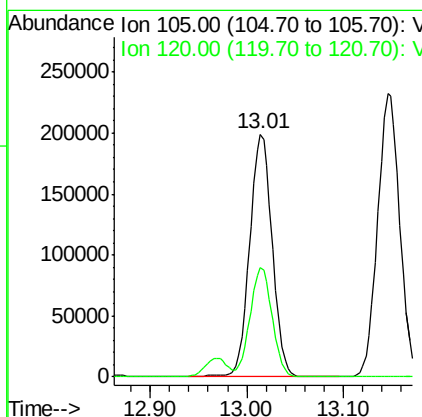
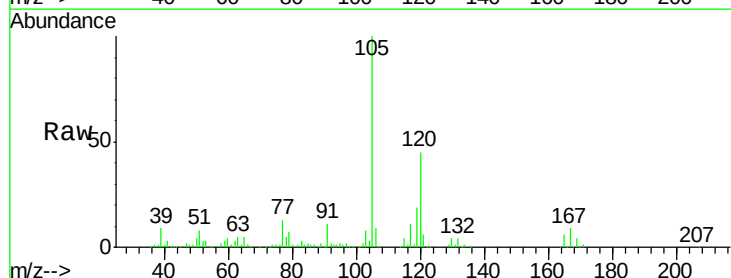
Manual Integrations
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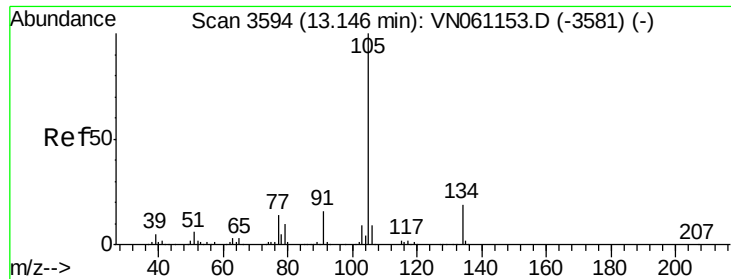
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.547 ug/l
 RT: 13.01 min Scan# 3553
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	321547		
120	44.3		22.2	66.6





#85

sec-Butylbenzene

Concen: 51.759 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN042720

Tot Ion:105 Resp: 367394

Ion Ratio Lower Upper

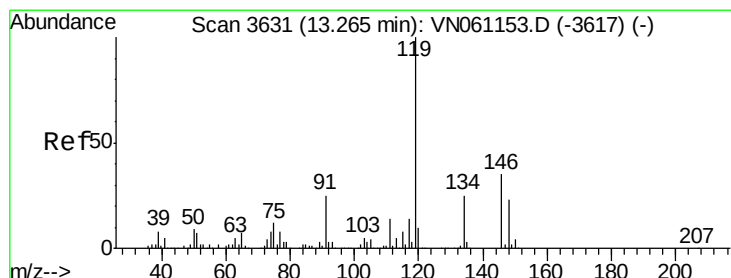
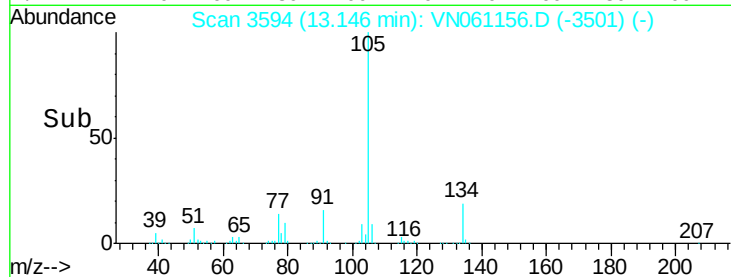
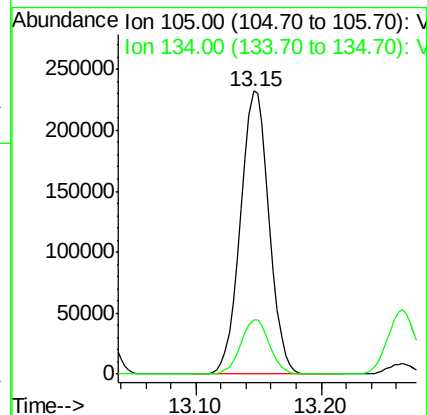
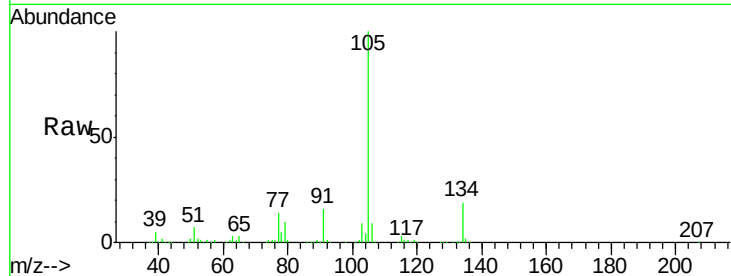
105 100

134 19.1 9.6 28.8

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5/4/2020 9:59:35 AM



#86

p-Isopropyltoluene

Concen: 51.478 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

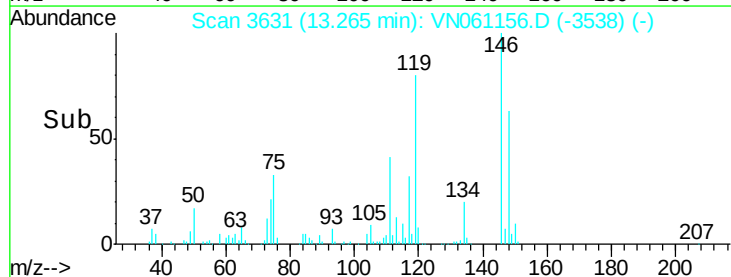
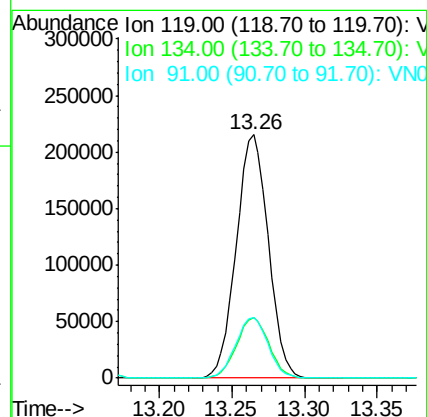
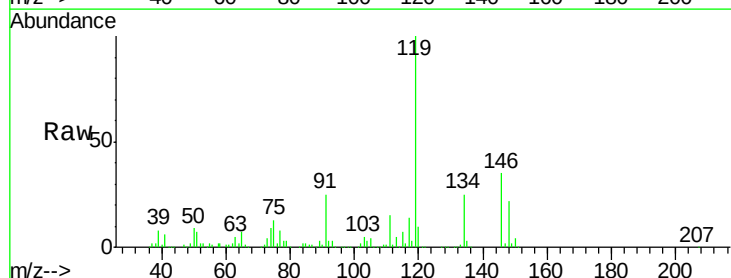
Tgt Ion:119 Resp: 329215

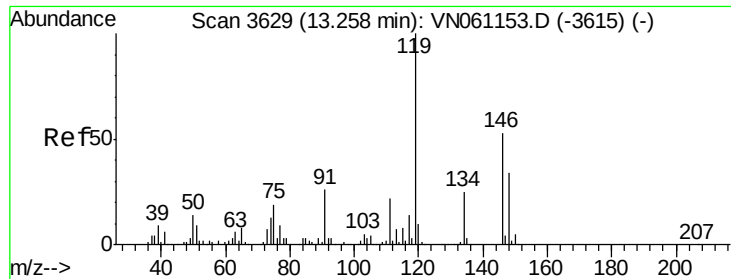
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.3 12.7 38.0





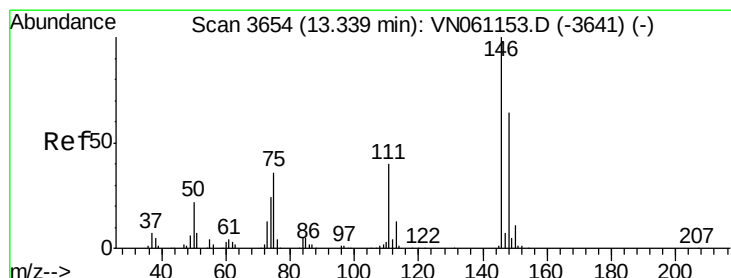
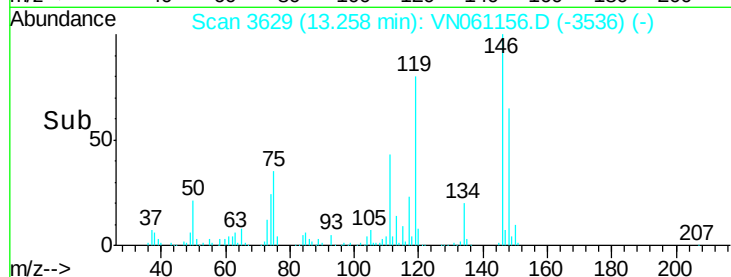
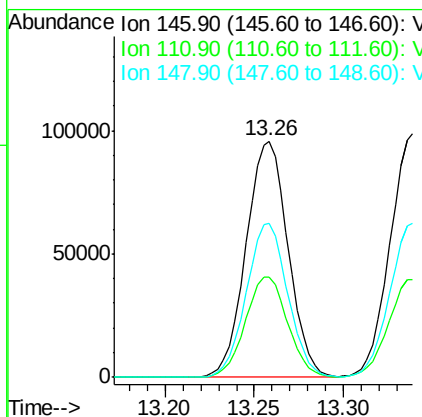
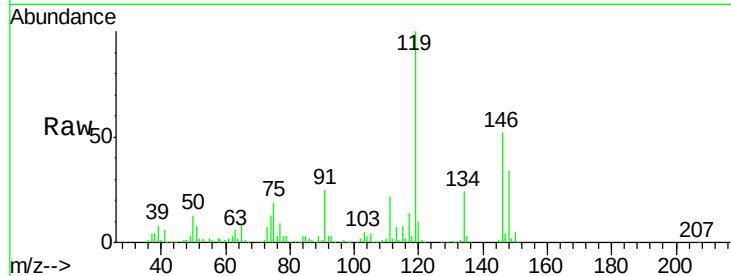
#87
 1,3-Dichlorobenzene
 Concen: 49.661 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042720

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.7	62.1
148	64.2	31.8	95.3

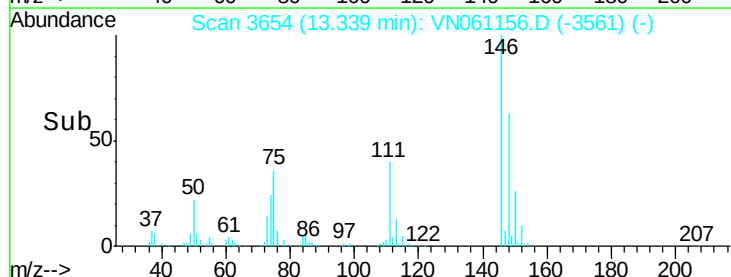
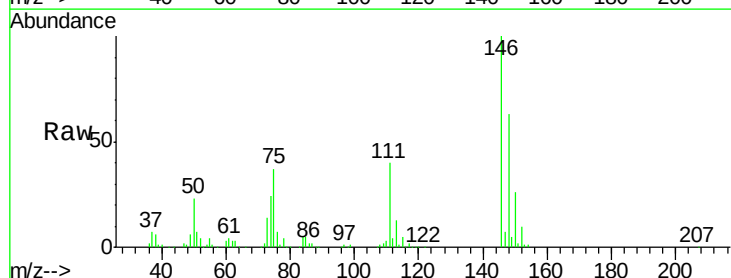
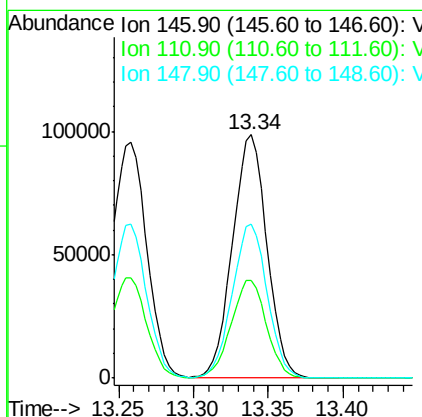
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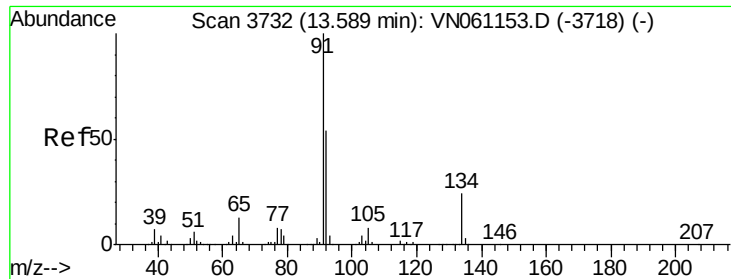
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#88
 1,4-Dichlorobenzene
 Concen: 48.952 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.2	31.9	95.7





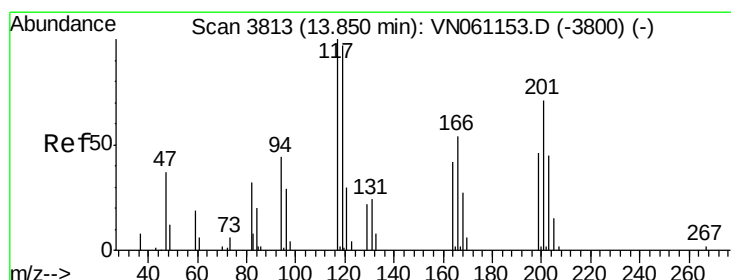
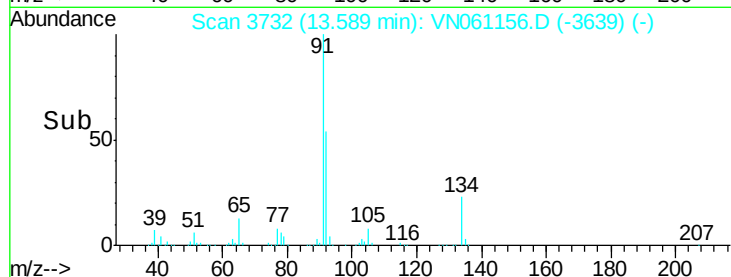
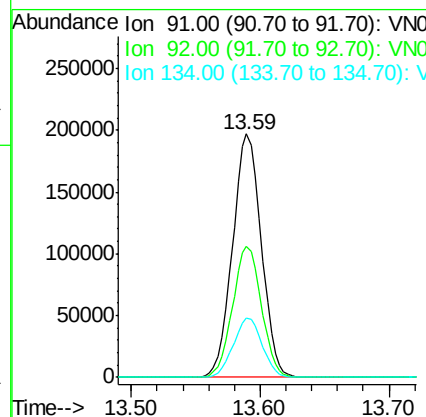
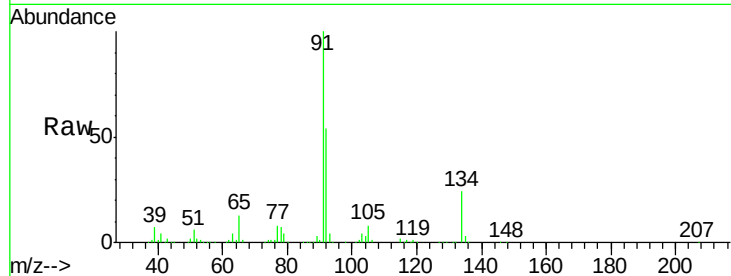
#89
n-Butylbenzene
Concen: 51.815 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN042720

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.3
134	24.4	11.9	35.5

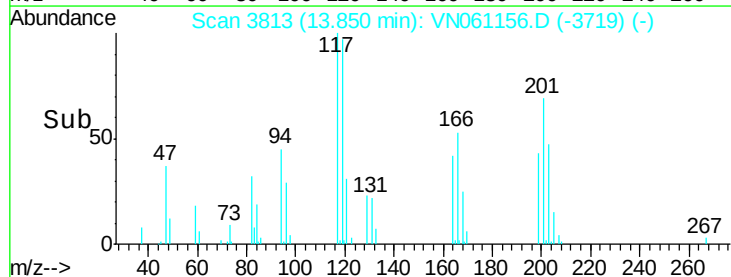
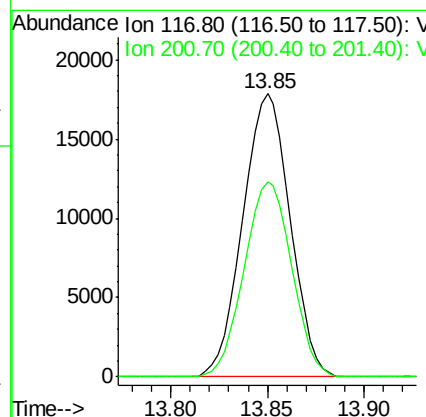
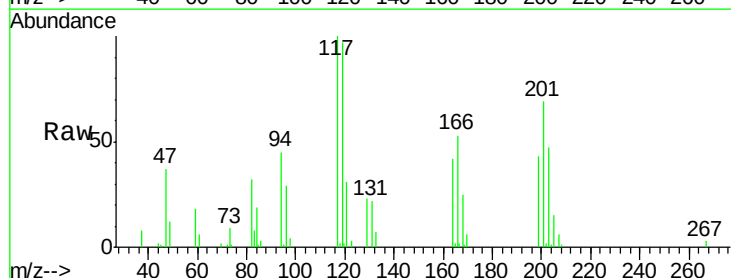
Manual Integrations
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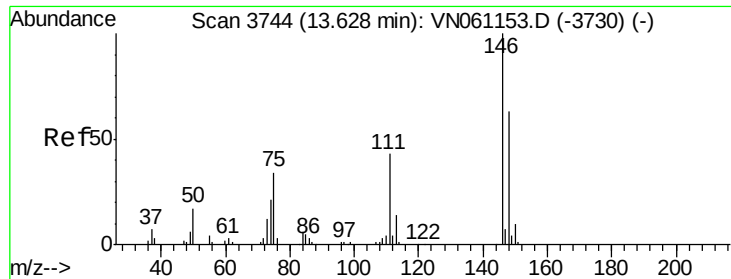
MMDadoda
5/4/2020 9:59:35 AM



#90
Hexachloroethane
Concen: 46.172 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061156.D
Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	35.5	106.7





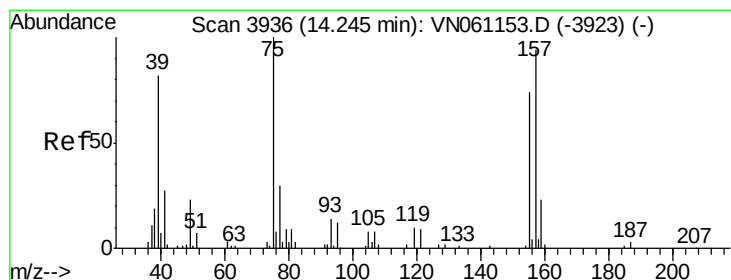
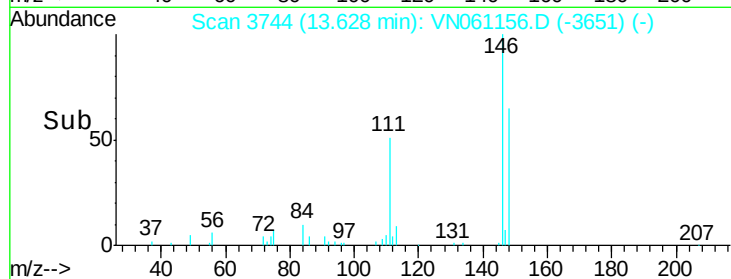
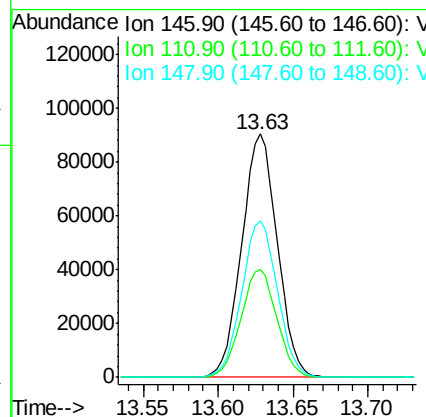
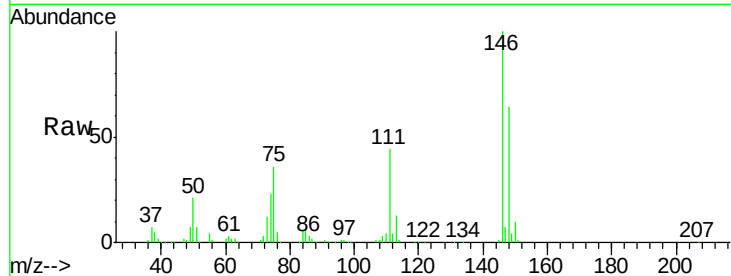
#91
 1,2-Dichlorobenzene
 Concen: 49.234 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN042720

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.8	65.3
148	64.6	31.6	95.0

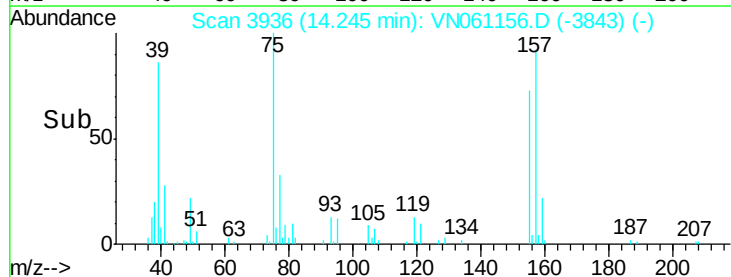
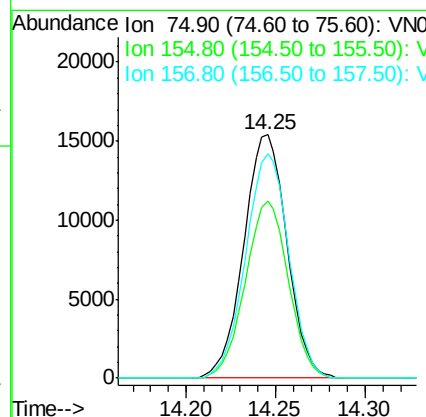
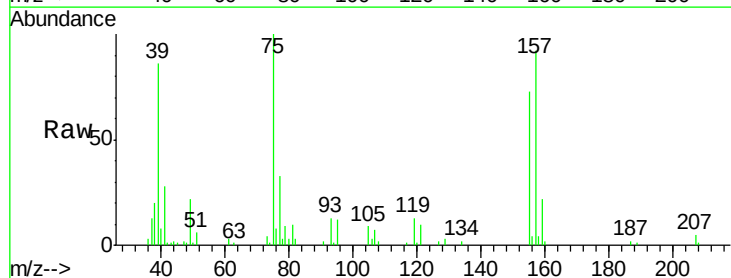
Manual Integrations
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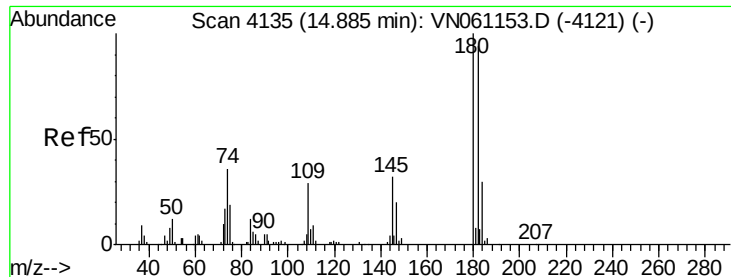
MMDadoda
 5/4/2020 9:59:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.976 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	36.5	109.7
157	92.2	46.6	139.7





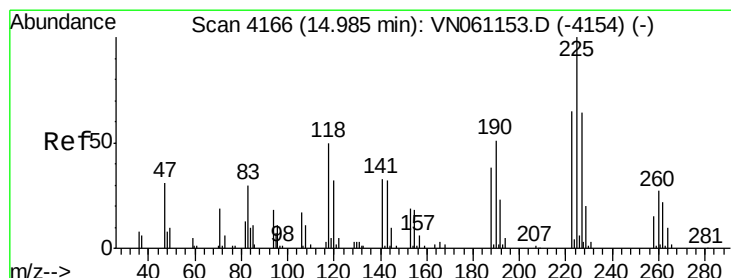
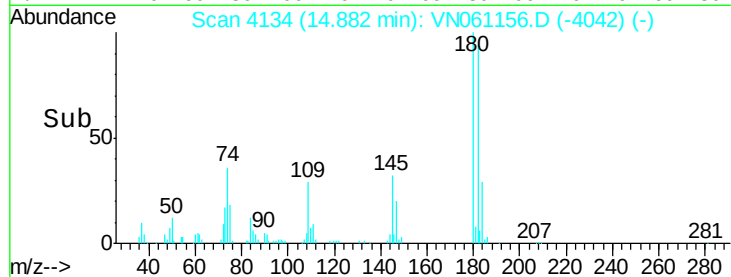
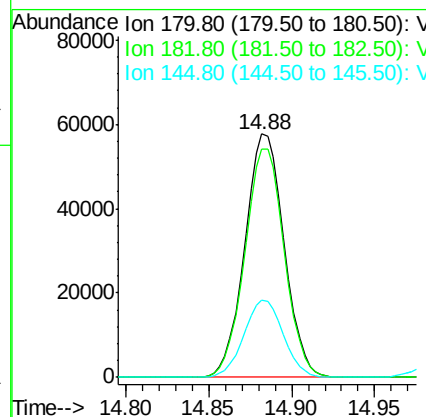
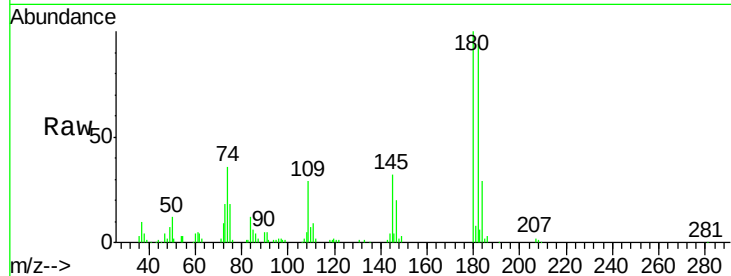
#93
 1,2,4-Trichlorobenzene
 Concen: 51.251 ug/l
 RT: 14.88 min Scan# 4134
 Delta R.T. -0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.3	141.9	
145	31.8	16.0	47.9	

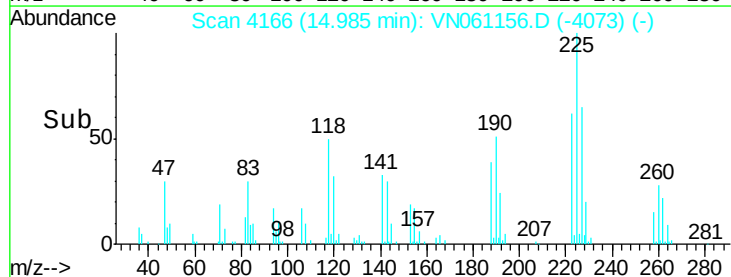
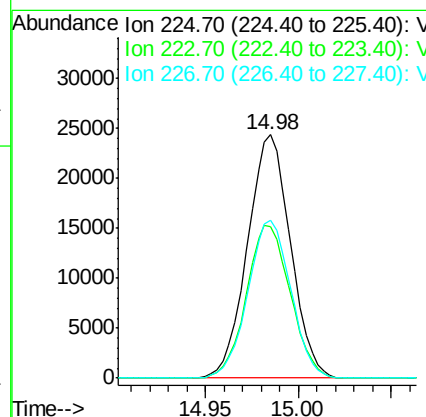
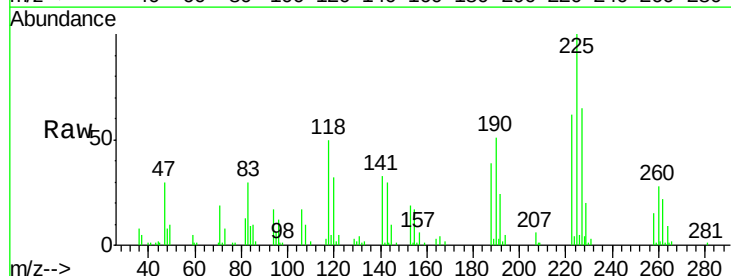
Manual Integrations
 APPROVED

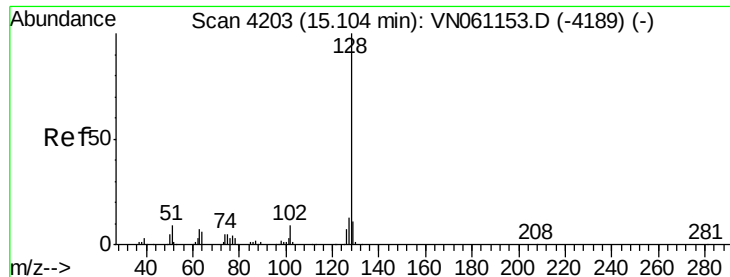
MMDadoda
 5/4/2020 9:59:35 AM



#94
 Hexachlorobutadiene
 Concen: 50.645 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061156.D
 Acq: 27 Apr 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	32.4	97.0	
227	64.7	32.4	97.0	





#95

Naphthalene

Concen: 51.940 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Instrument :

MSVOA_N

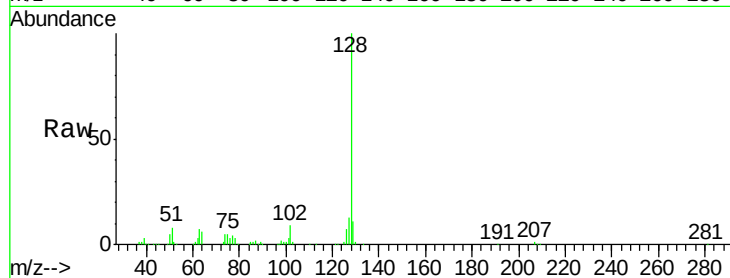
ClientSampleId :

ICVVN042720

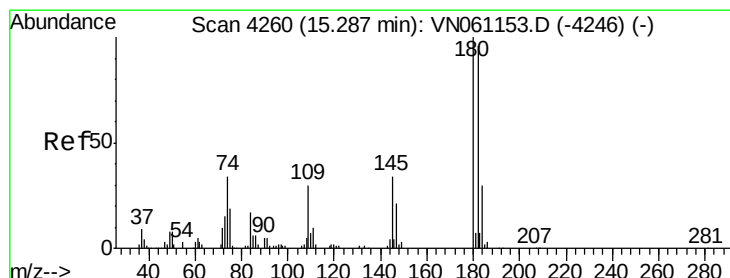
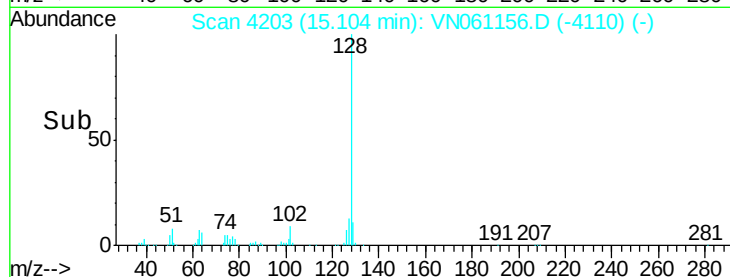
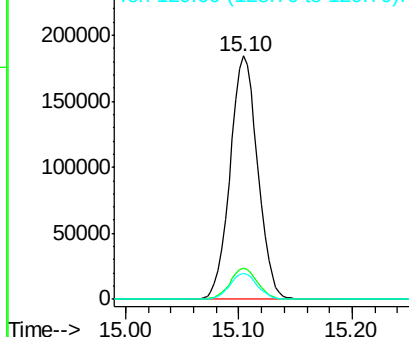
Tot Ion:	128	Resp:	313115
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/4/2020 9:59:35 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.532 ug/l

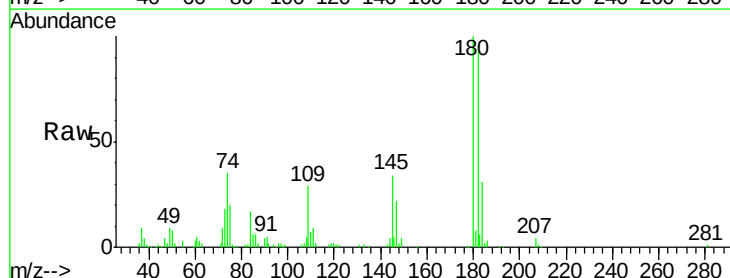
RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

Lab File: VN061156.D

Acq: 27 Apr 2020 18:44

Tgt Ion:	180	Resp:	92350
Ion Ratio		Lower	Upper
180	100		
182	95.6	47.5	142.5
145	33.9	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

