

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060034.D
 Acq On : 10 Feb 2020 9:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:03:58 AM

Quant Time: Feb 11 07:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	277423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106865	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.56	113	86793	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.08	98	327744	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	125269	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79030	37.509	ug/l	97
3) Chloromethane	2.04	50	80137	39.305	ug/l	100
4) Vinyl Chloride	2.17	62	105685	45.304	ug/l	98
5) Bromomethane	2.54	94	61096	42.915	ug/l	98
6) Chloroethane	2.68	64	51882	47.009	ug/l	99
7) Trichlorofluoromethane	3.00	101	129190	46.113	ug/l	98
8) Diethyl Ether	3.38	74	47868	48.686	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77585	49.758	ug/l	94
10) Methyl Iodide	3.93	142	98456	39.064	ug/l	96
11) Tert butyl alcohol	4.72	59	74763	224.557	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71370	43.804	ug/l	90
13) Acrolein	3.58	56	61892	262.613	ug/l	97
14) Allyl chloride	4.29	41	105865	48.206	ug/l #	84
15) Acrylonitrile	4.94	53	191995	252.807	ug/l	100
16) Acetone	3.78	43	266576	401.255	ug/l	97
17) Carbon Disulfide	4.03	76	164383	35.417	ug/l	99
18) Methyl Acetate	4.28	43	118921	51.479	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	270428	50.906	ug/l	95
20) Methylene Chloride	4.52	84	84900	47.381	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	78511	45.332	ug/l	93
22) Diisopropyl ether	5.91	45	258095	51.860	ug/l	95
23) Vinyl Acetate	5.86	43	977965	253.802	ug/l	96
24) 1,1-Dichloroethane	5.82	63	151373	49.778	ug/l	99
25) 2-Butanone	6.80	43	309267	276.141	ug/l	94
26) 2,2-Dichloropropane	6.79	77	146948	50.264	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	96762	48.575	ug/l	91
28) Bromochloromethane	7.17	49	62426	51.362	ug/l #	79
29) Tetrahydrofuran	7.18	42	164613	237.557	ug/l	90
30) Chloroform	7.35	83	162762	51.657	ug/l	98
31) Cyclohexane	7.63	56	121125	41.394	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	148042	50.817	ug/l	96
36) 1,1-Dichloropropene	7.77	75	114028	47.199	ug/l	97
37) Ethyl Acetate	6.89	43	105949	46.758	ug/l	96
38) Carbon Tetrachloride	7.75	117	127743	48.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134746	45.234	ug/l	94
40) Benzene	8.02	78	342910	47.593	ug/l	100
41) Methacrylonitrile	7.14	41	42301m	37.901	ug/l	
42) 1,2-Dichloroethane	8.10	62	125179	51.242	ug/l	98
43) Isopropyl Acetate	8.14	43	192484	49.387	ug/l	96
44) Trichloroethene	8.82	130	97383	49.510	ug/l	95
45) 1,2-Dichloropropane	9.10	63	91697	51.431	ug/l	100
46) Dibromomethane	9.19	93	64093	50.962	ug/l	93
47) Bromodichloromethane	9.39	83	134862	53.212	ug/l	99
48) Methyl methacrylate	9.18	41	84266	48.337	ug/l	92
49) 1,4-Dioxane	9.18	88	30601	958.861	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	566607	251.491	ug/l	97
52) Toluene	10.14	92	225065	49.453	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150360	53.133	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	156144	52.440	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	94217	52.271	ug/l	98
56) Ethyl methacrylate	10.42	69	135238	49.102	ug/l	95
57) 1,3-Dichloropropane	10.70	76	152371	53.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232024	279.690	ug/l	93
59) 2-Hexanone	10.74	43	454446	273.797	ug/l	95
60) Dibromochloromethane	10.89	129	110347	53.760	ug/l	100
61) 1,2-Dibromoethane	10.99	107	95836	50.728	ug/l	100
64) Tetrachloroethene	10.62	164	97655	46.524	ug/l	96
65) Chlorobenzene	11.43	112	251713	49.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	100918	51.594	ug/l	99
67) Ethyl Benzene	11.50	91	452129	49.201	ug/l	98
68) m/p-Xylenes	11.62	106	337608	97.259	ug/l	96
69) o-Xylene	11.94	106	164671	48.456	ug/l	96
70) Styrene	11.96	104	276072	48.547	ug/l	98
71) Bromoform	12.12	173	81917	52.283	ug/l #	99
73) Isopropylbenzene	12.25	105	455445	48.236	ug/l	100
74) N-amyl acetate	12.07	43	169998	46.400	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	133825	48.891	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	112687m	52.011	ug/l	
77) Bromobenzene	12.52	156	113657	47.534	ug/l	86
78) n-propylbenzene	12.59	91	518875	48.961	ug/l	97
79) 2-Chlorotoluene	12.67	91	302000	47.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	381441	48.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49253	48.819	ug/l	95
82) 4-Chlorotoluene	12.77	91	316794	50.098	ug/l	97
83) tert-Butylbenzene	12.99	119	340255	49.544	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	386577	49.209	ug/l	99
85) sec-Butylbenzene	13.17	105	456048	50.542	ug/l	100
86) p-Isopropyltoluene	13.28	119	414892	49.693	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	206122	49.627	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	206114	49.745	ug/l	97
89) n-Butylbenzene	13.61	91	369698	51.933	ug/l	99
90) Hexachloroethane	13.87	117	78064	49.974	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	202691	49.363	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28722	48.839	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125570	50.894	ug/l	98
94) Hexachlorobutadiene	15.01	225	70807	52.078	ug/l	97
95) Naphthalene	15.13	128	320606	45.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120128	50.021	ug/l	99

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

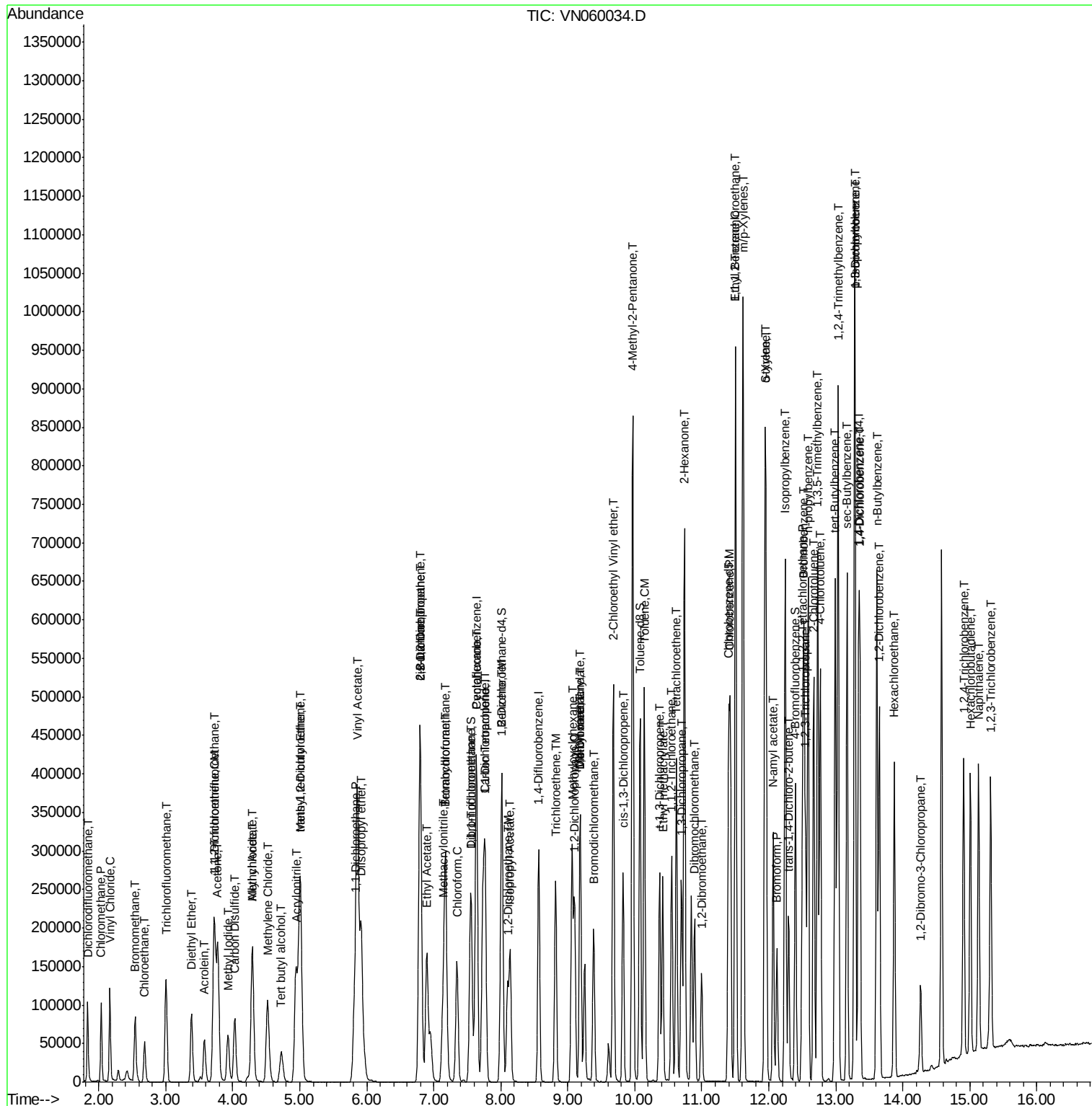
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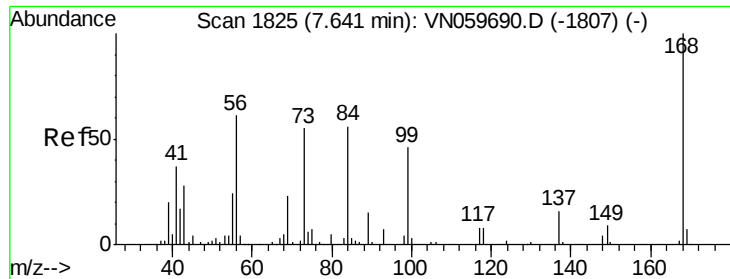
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 178087

Ion Ratio Lower Upper

168 100

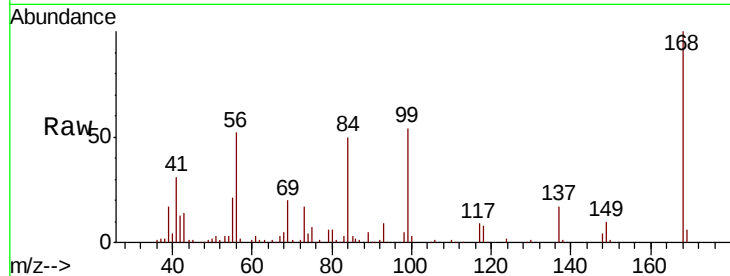
99 54.1 48.2 72.4

Manual Integrations

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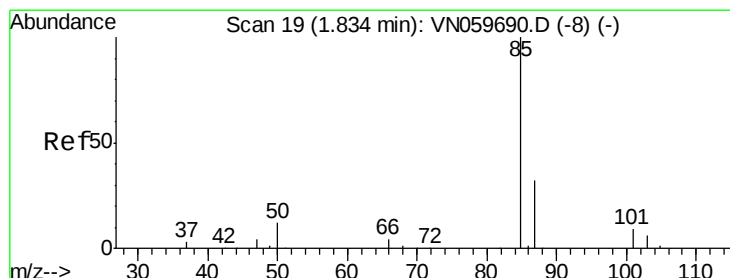
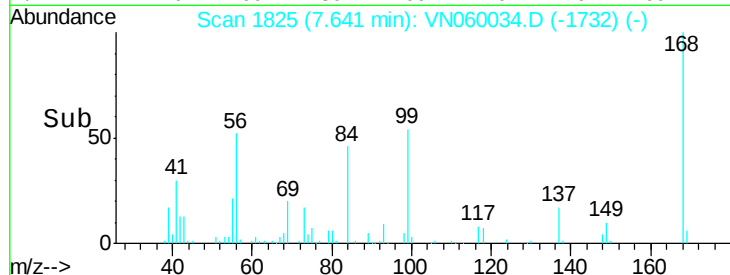
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 37.509 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060034.D

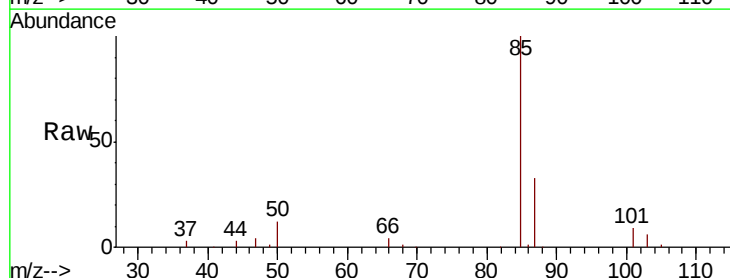
Acq: 10 Feb 2020 9:57

Tgt Ion: 85 Resp: 79030

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



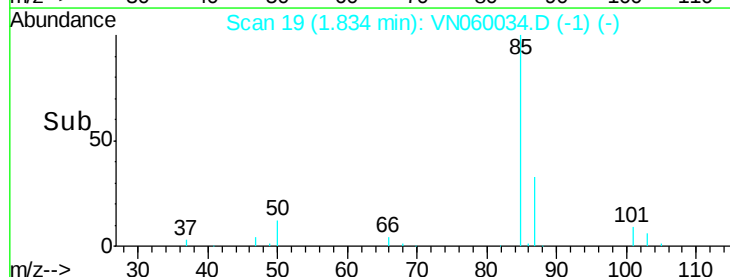
Abundance Ion 84.90 (84.60 to 85.60): VNO

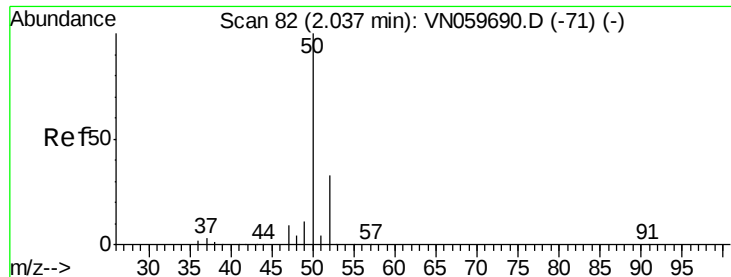
Ion 86.90 (86.60 to 87.60): VNO

1.83

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 39.305 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 80137

Ion Ratio Lower Upper

50 100

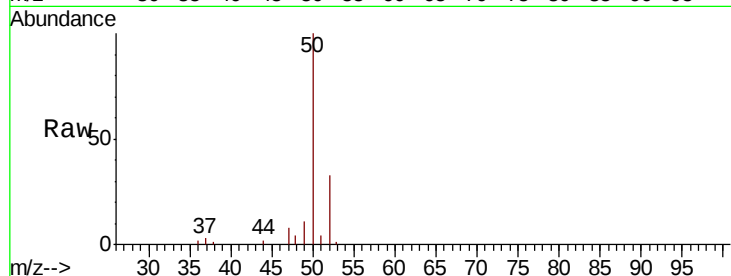
52 32.5 25.9 38.9

Manual Integrations

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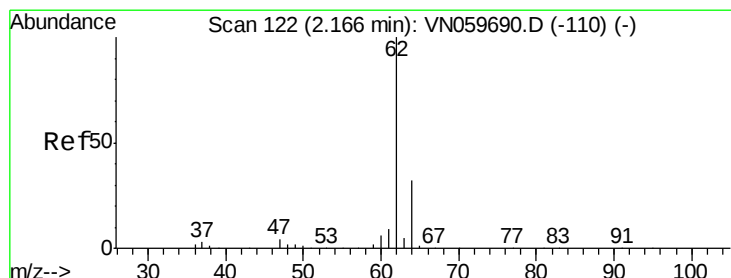
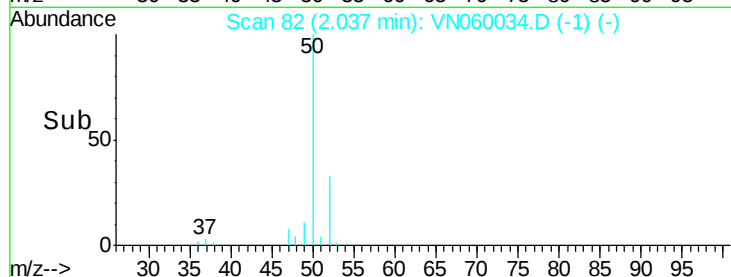
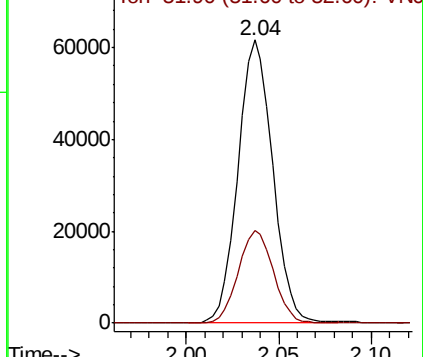
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.304 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060034.D

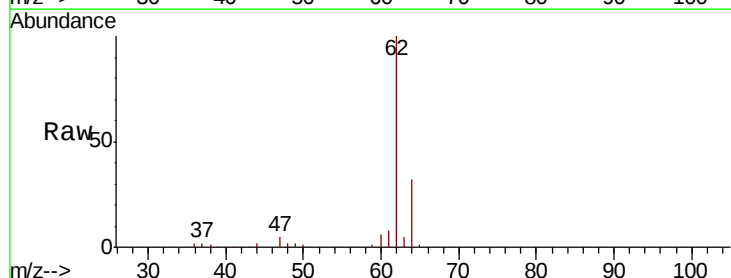
Acq: 10 Feb 2020 9:57

Tgt Ion: 62 Resp: 105685

Ion Ratio Lower Upper

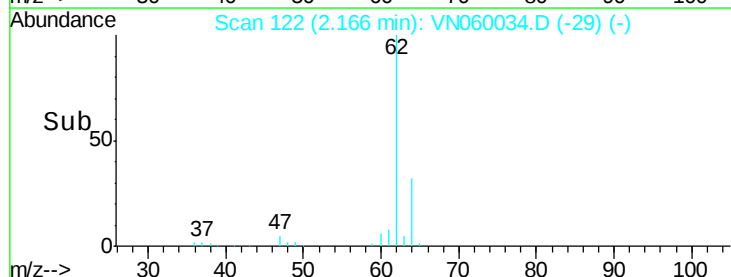
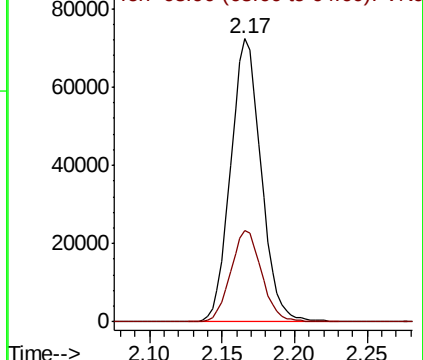
62 100

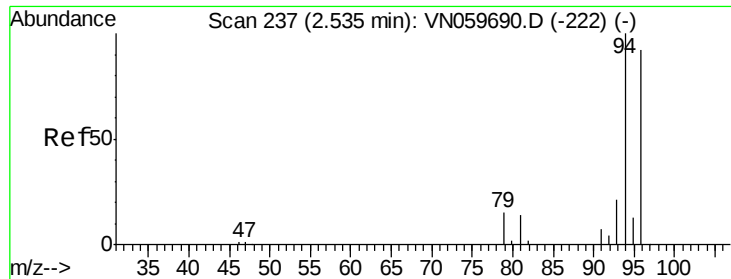
64 32.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 42.915 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

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Tot Ion: 94 Resp: 61096

Ion Ratio Lower Upper

94 100

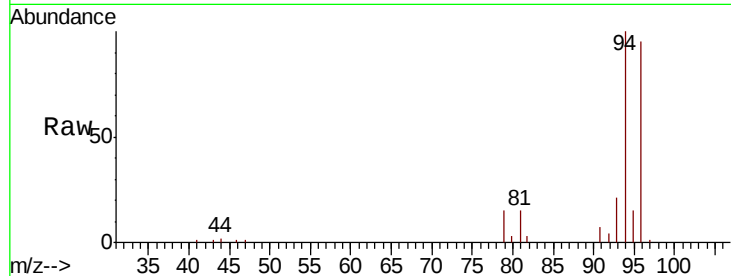
96 95.5 74.7 112.1

Manual Integrations

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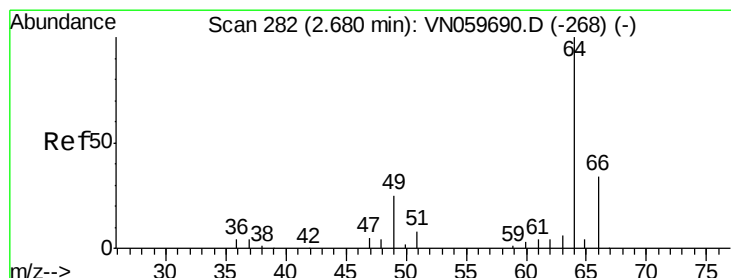
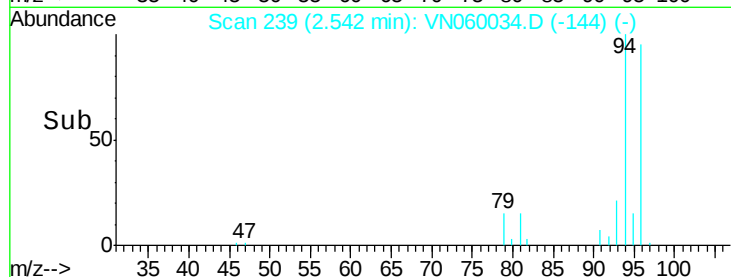
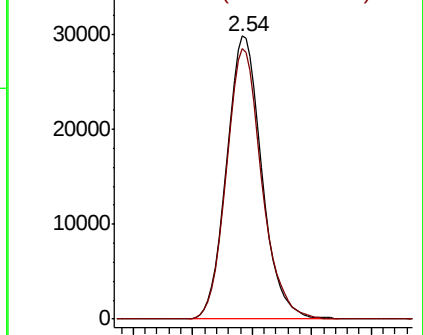
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.009 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060034.D

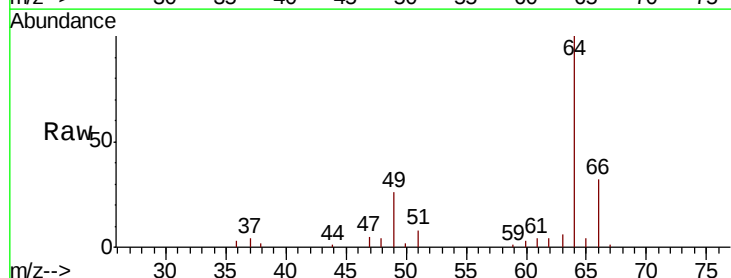
Acq: 10 Feb 2020 9:57

Tgt Ion: 64 Resp: 51882

Ion Ratio Lower Upper

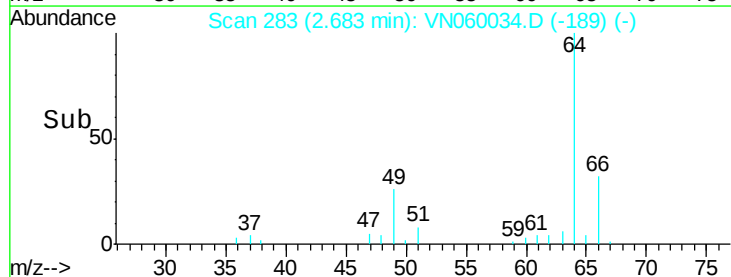
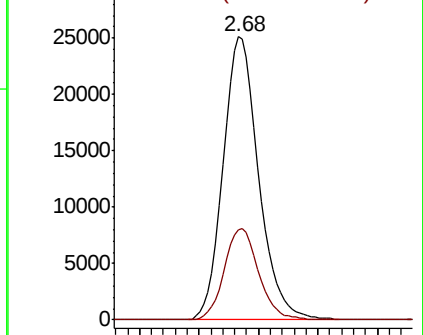
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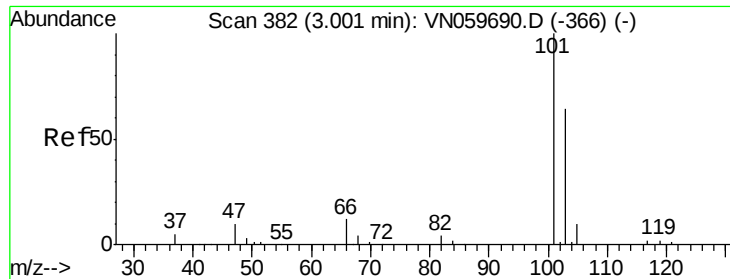
66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

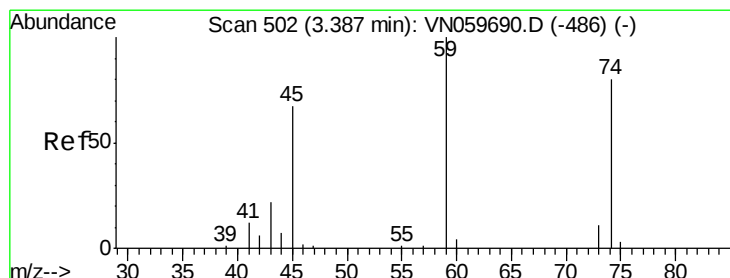
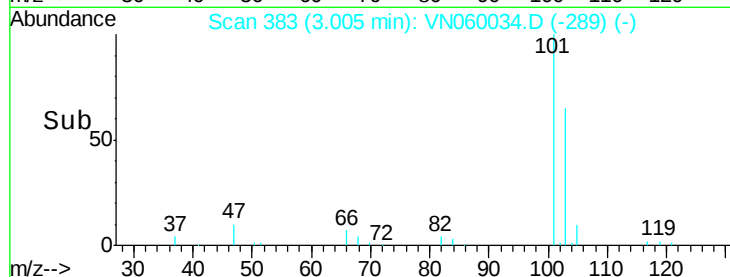
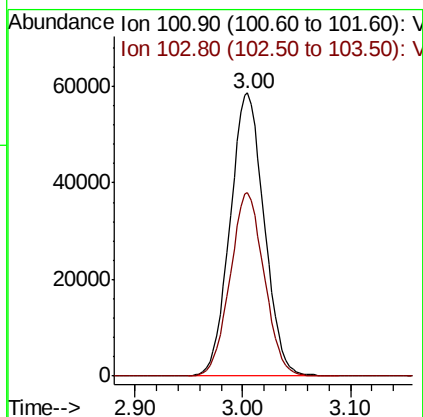
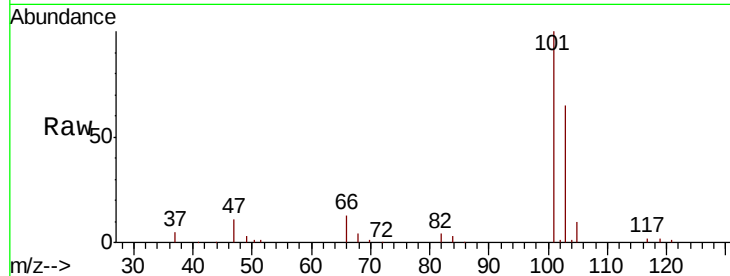
Trichlorofluoromethane
Concen: 46.113 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 101 Resp: 129190
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

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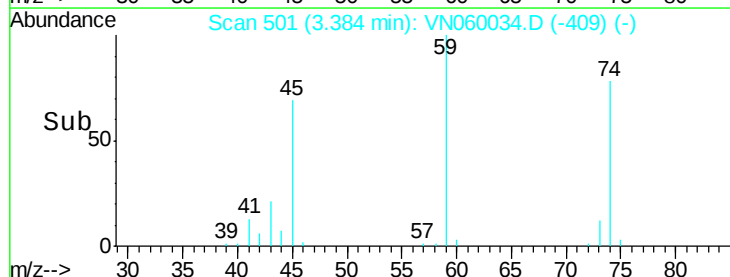
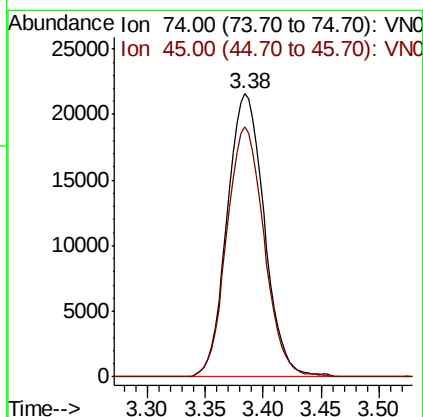
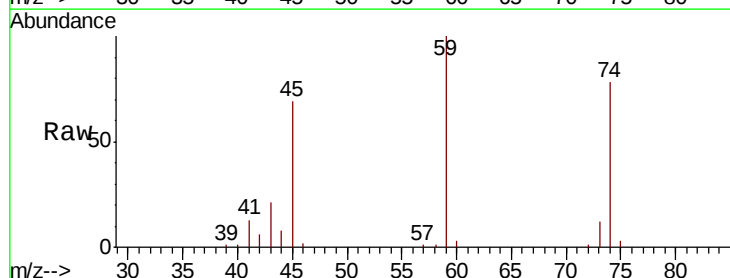
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#8

Diethyl Ether
Concen: 48.686 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 74 Resp: 47868
Ion Ratio Lower Upper
74 100
45 89.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.758 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

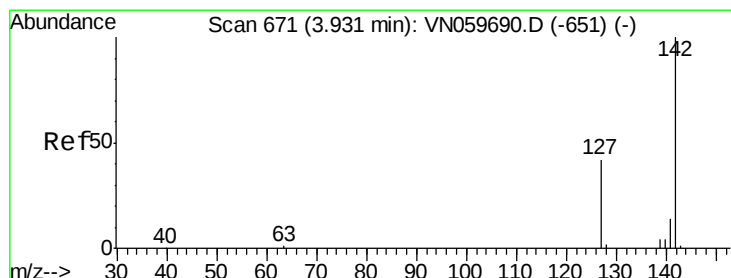
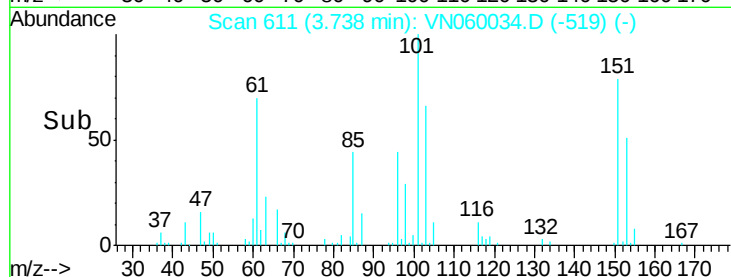
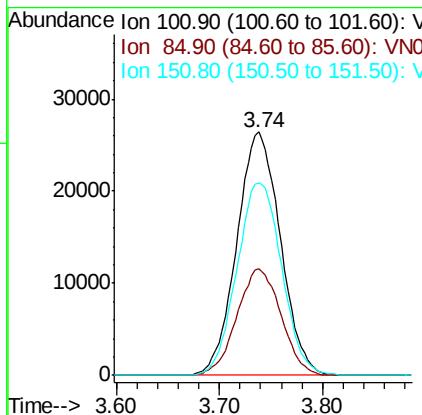
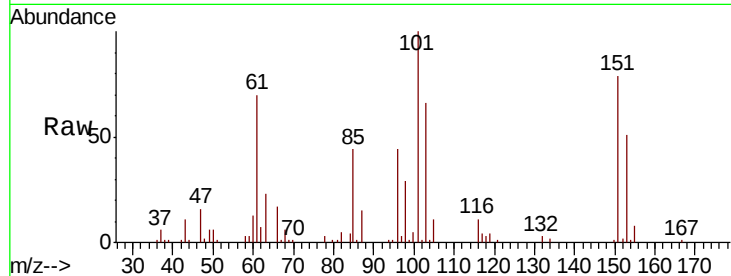
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	77585
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.6	54.8
151	81.4	59.7	89.5

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#10

Methyl Iodide

Concen: 39.064 ug/l

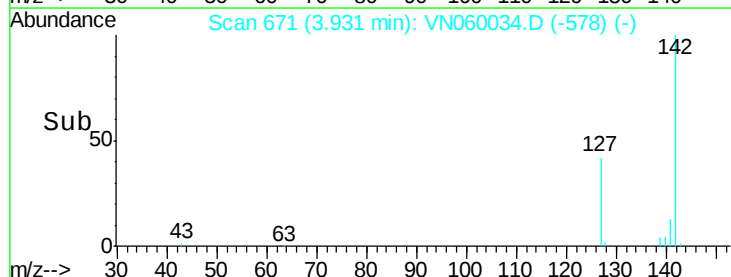
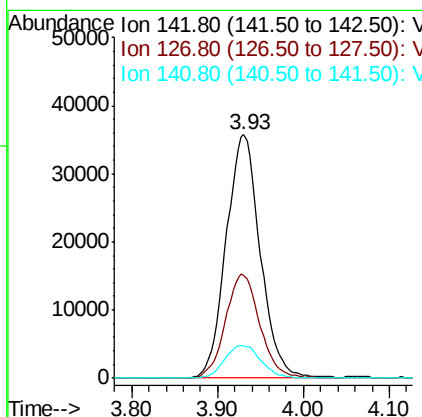
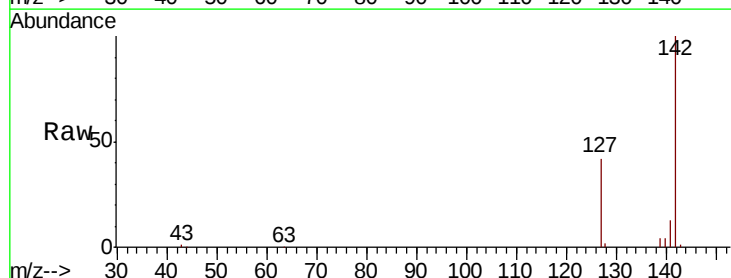
RT: 3.93 min Scan# 671

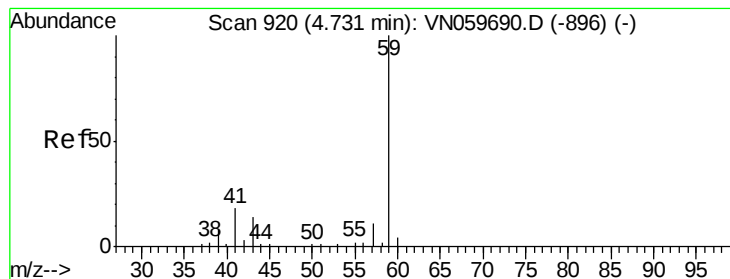
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	142	Resp:	98456
Ion Ratio	Lower	Upper	
142	100		
127	42.6	36.7	55.1
141	14.1	11.7	17.5





#11

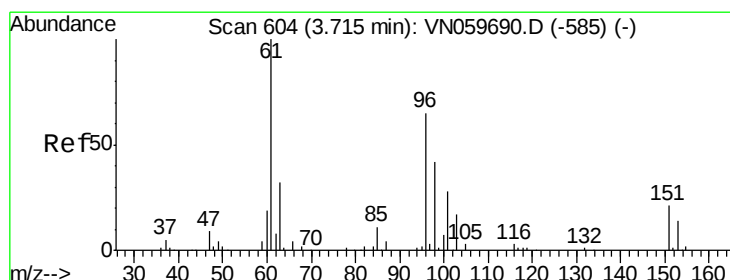
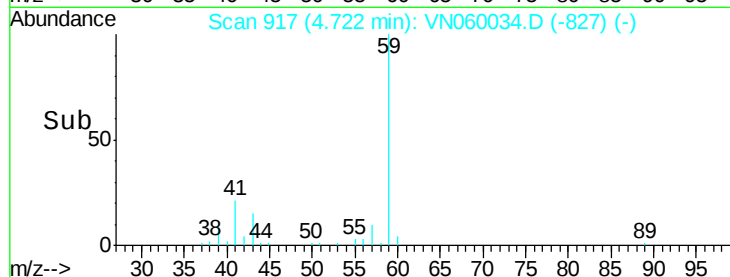
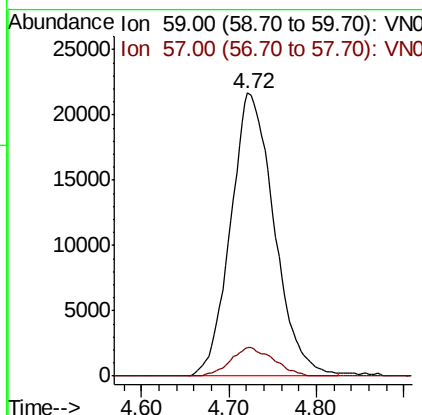
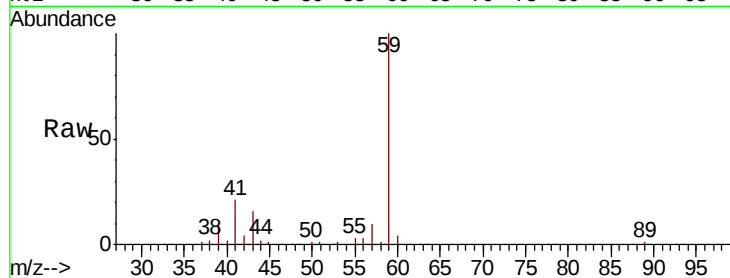
Tert butyl alcohol
 Concen: 224.557 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

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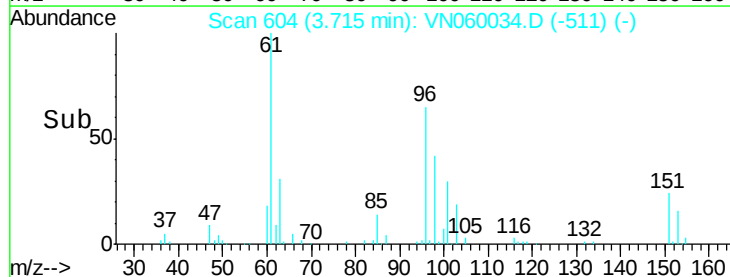
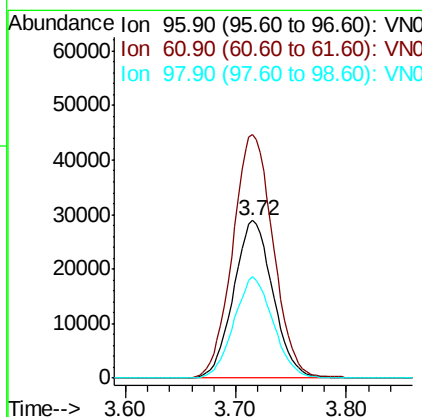
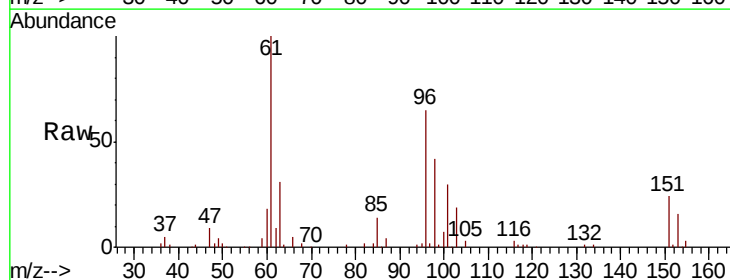
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#12

1,1-Dichloroethene
 Concen: 43.804 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	137.5	206.3
98	64.2	50.2	75.4





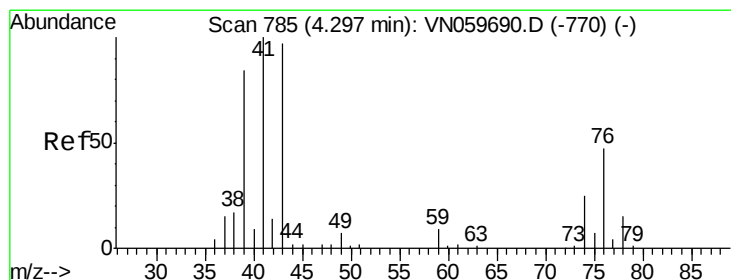
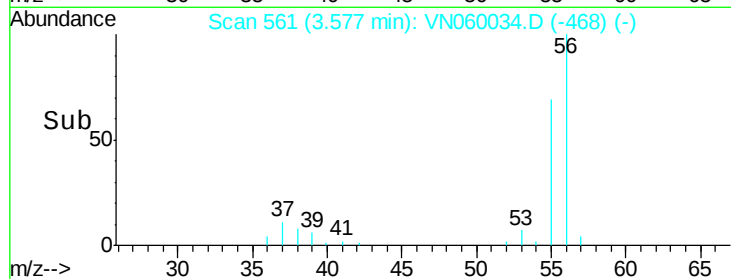
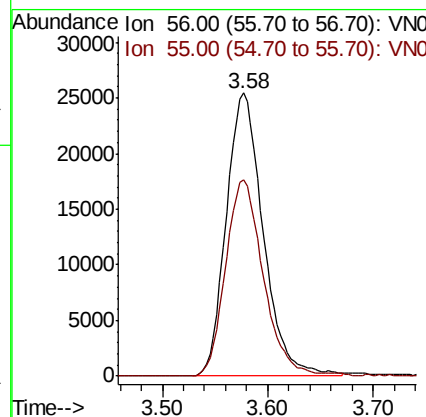
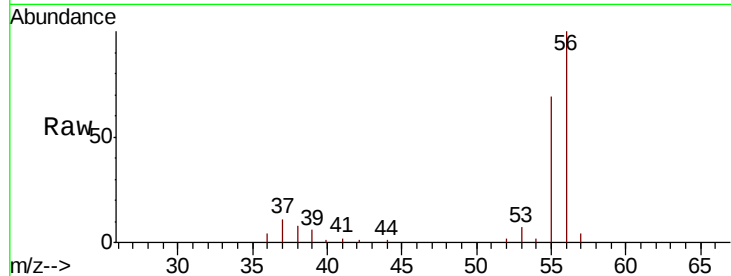
#13
Acrolein
Concen: 262.613 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	61892
Ion Ratio	100	Lower	Upper
56	100		
55	70.9	58.6	88.0

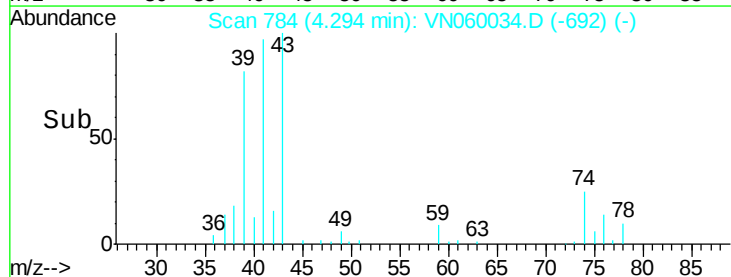
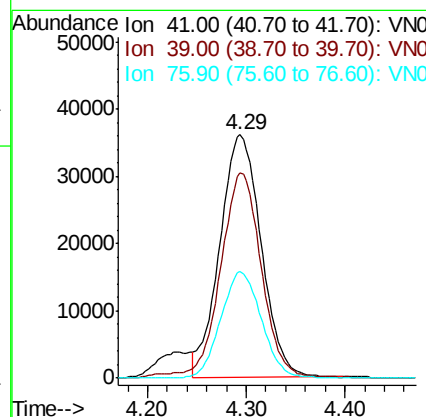
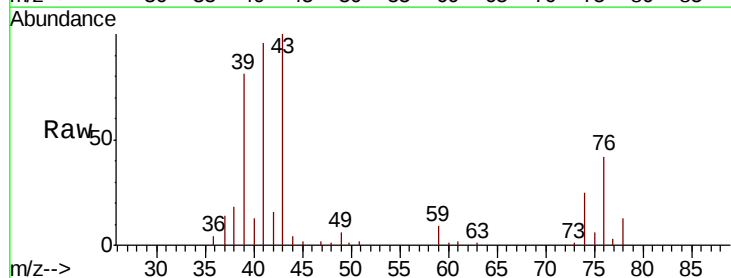
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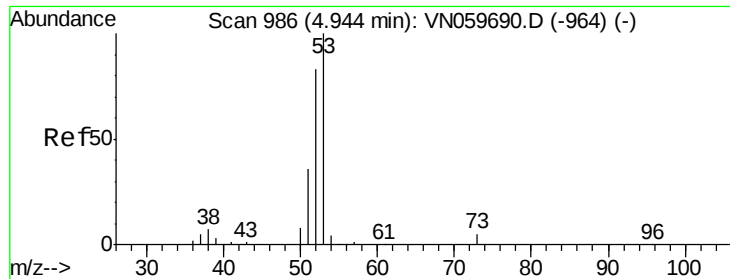
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#14
Allyl chloride
Concen: 48.206 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	41	Resp	105865
Ion Ratio	100	Lower	Upper
41	100		
39	84.1	57.8	86.8
76	42.8	25.4	38.0#





#15

Acrylonitrile

Concen: 252.807 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

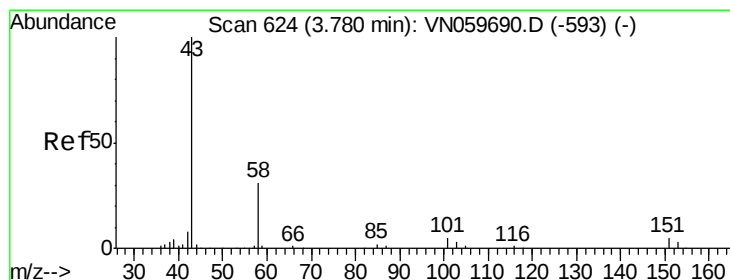
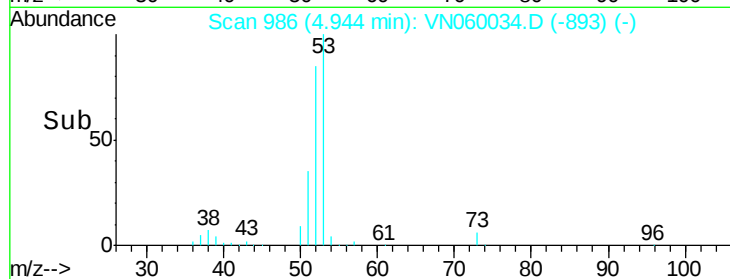
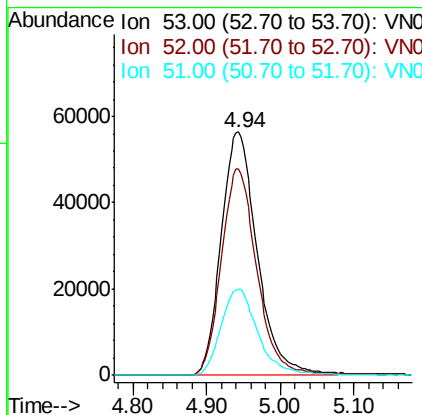
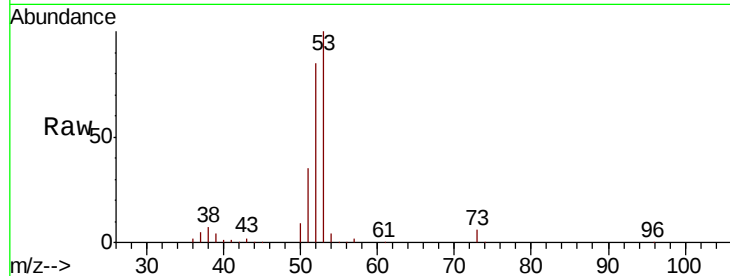
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	191995
Ion Ratio		Lower	Upper
53	100		
52	83.0	66.3	99.5
51	36.6	29.7	44.5

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#16

Acetone

Concen: 401.255 ug/l

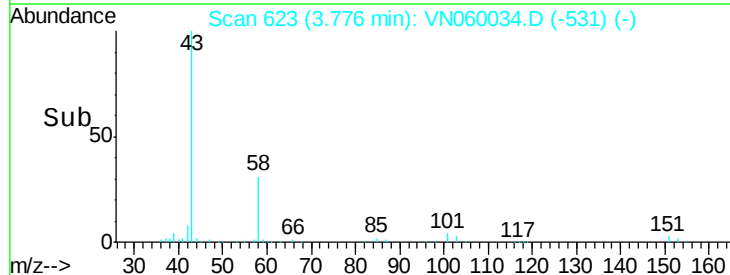
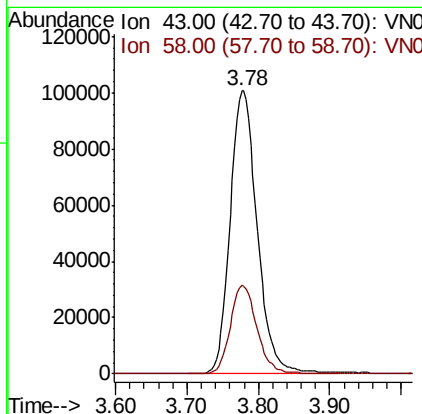
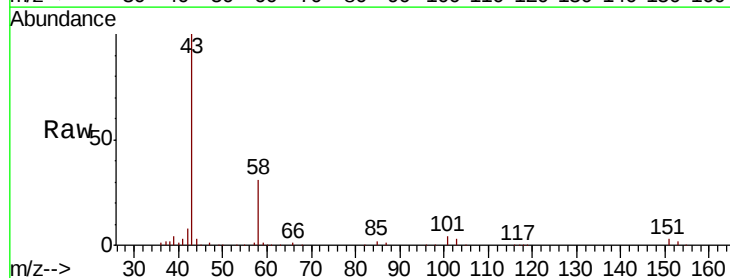
RT: 3.78 min Scan# 623

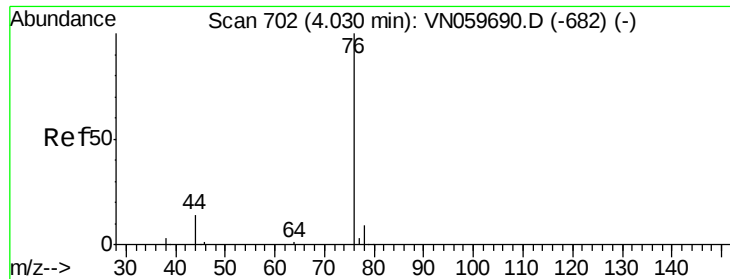
Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	43	Resp:	266576
Ion Ratio		Lower	Upper
43	100		
58	31.2	23.6	35.4





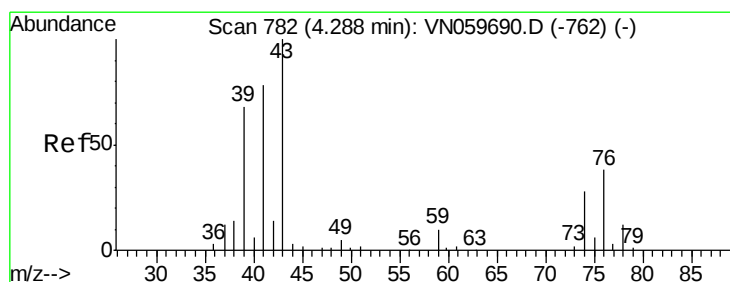
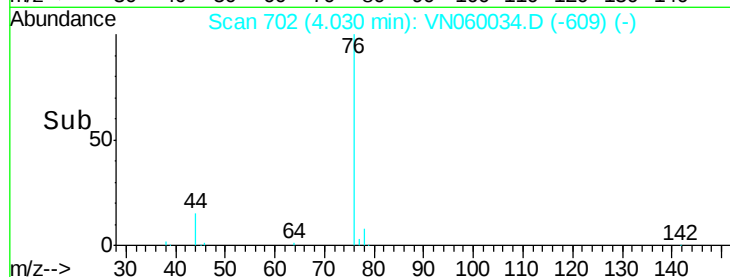
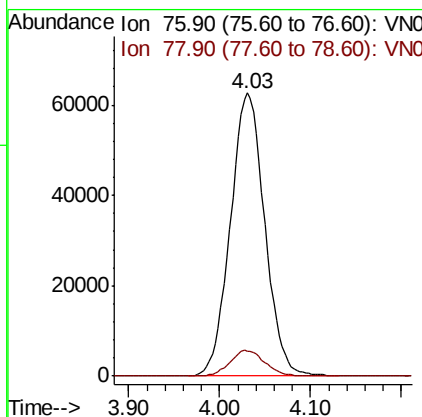
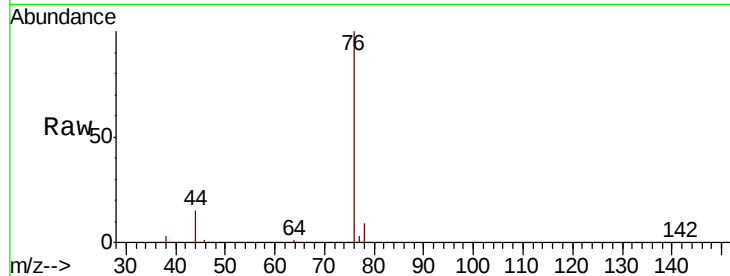
#17
Carbon Disulfide
Concen: 35.417 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

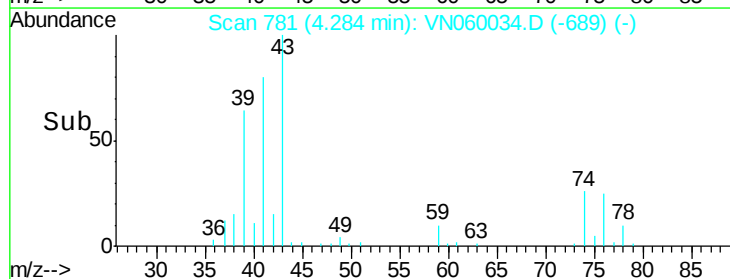
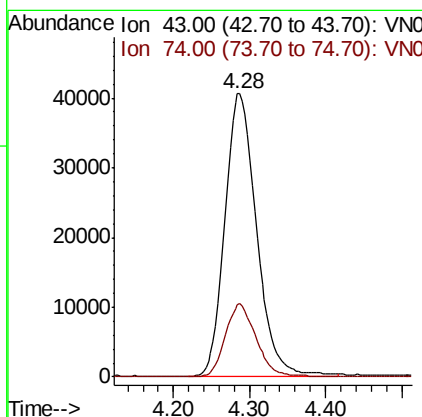
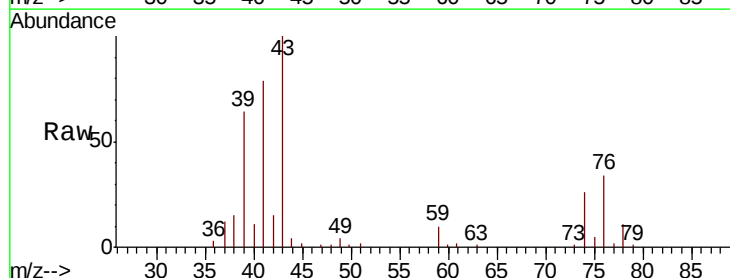
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#18
Methyl Acetate
Concen: 51.479 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	17.5	26.3





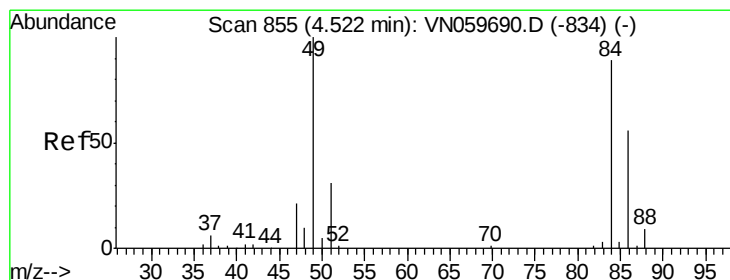
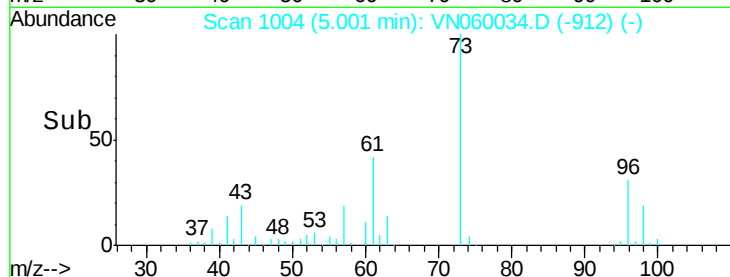
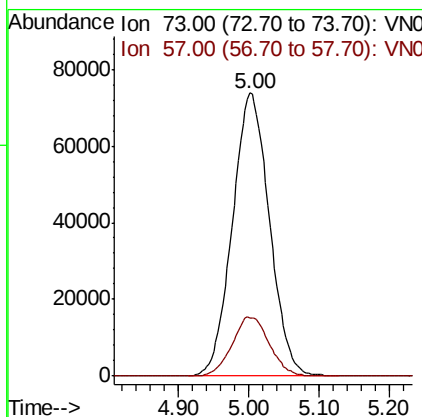
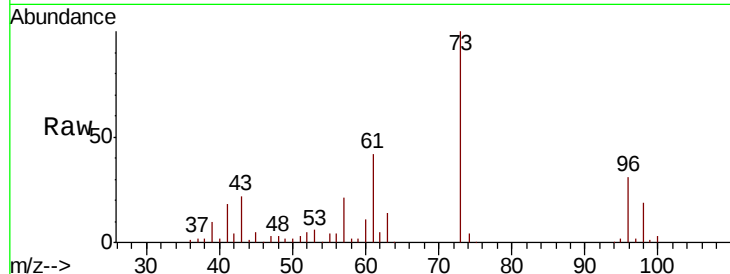
#19
Methvl tert-butvl Ether
Concen: 50.906 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 270428
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

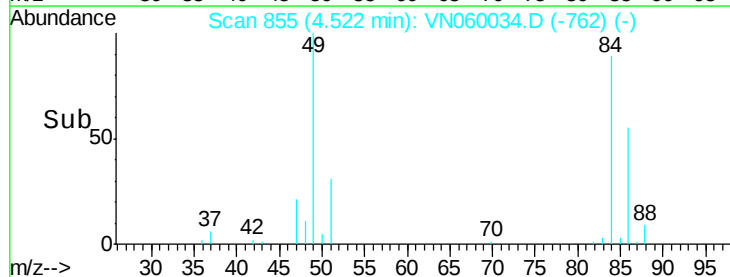
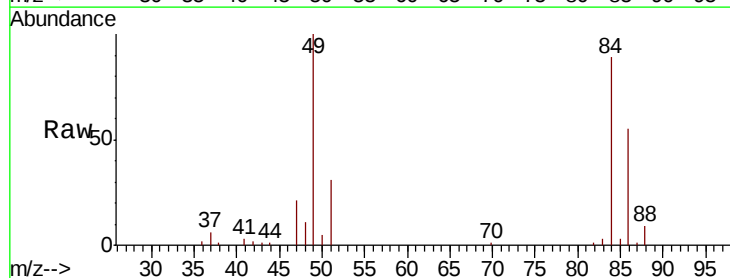
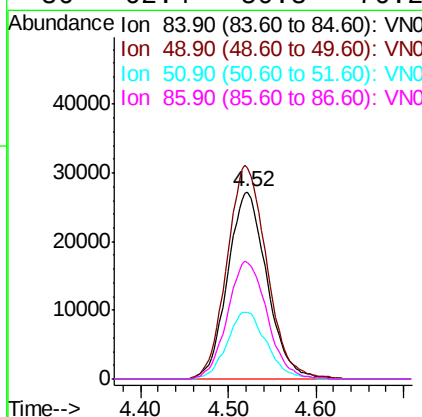
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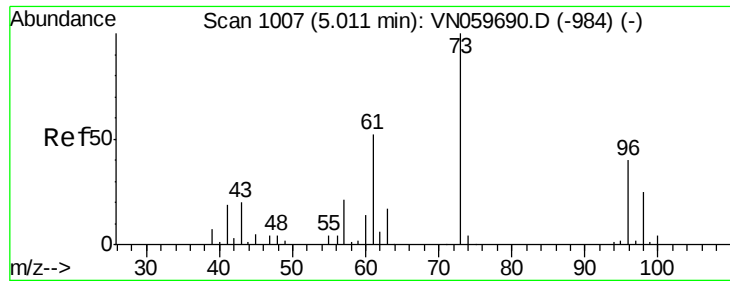
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#20
Methylene Chloride
Concen: 47.381 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 84 Resp: 84900
Ion Ratio Lower Upper
84 100
49 112.9 106.6 160.0
51 35.5 31.9 47.9
86 62.4 50.8 76.2





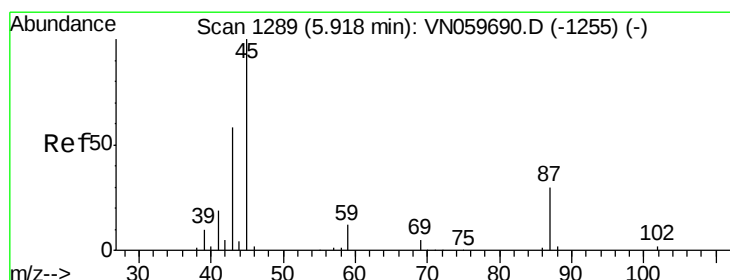
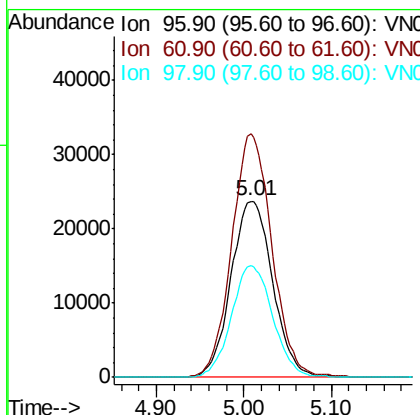
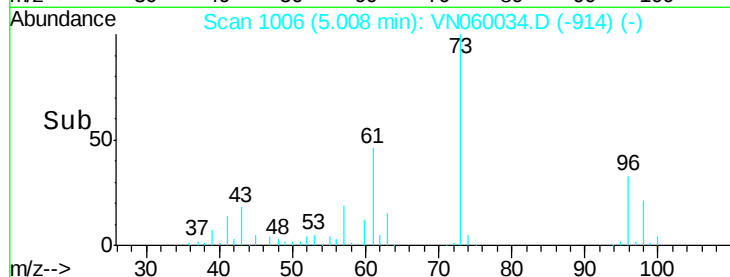
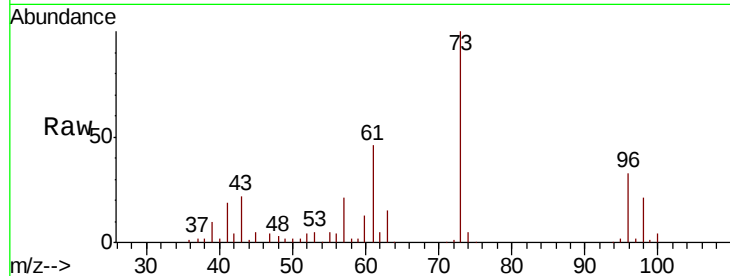
#21
trans-1,2-Dichloroethene
Concen: 45.332 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	120.4	180.6
98	63.2	50.6	75.8

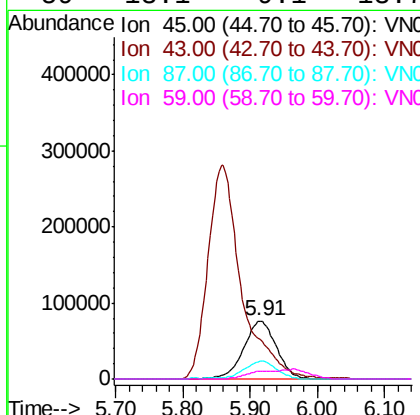
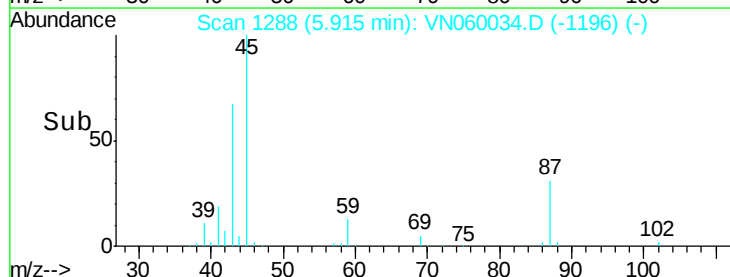
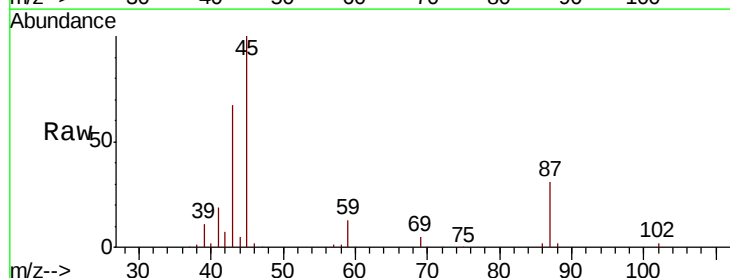
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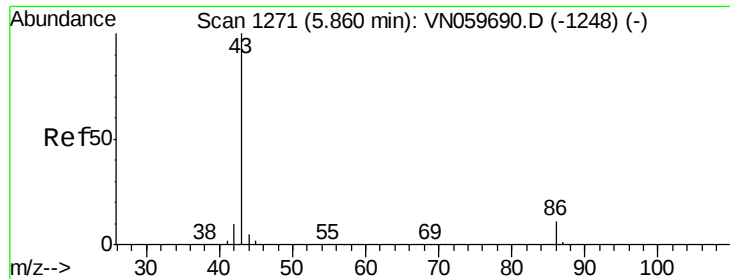
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#22
Diisopropyl ether
Concen: 51.860 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.1	50.8	76.2
87	30.7	21.0	31.6
59	13.1	9.1	13.7





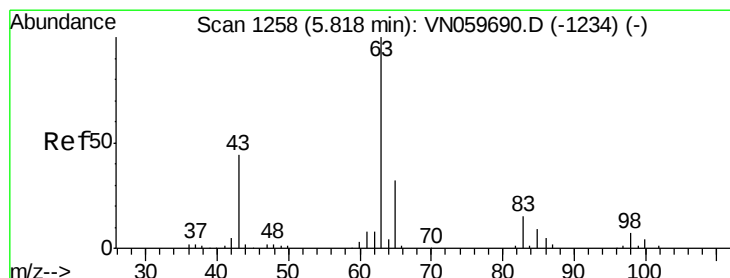
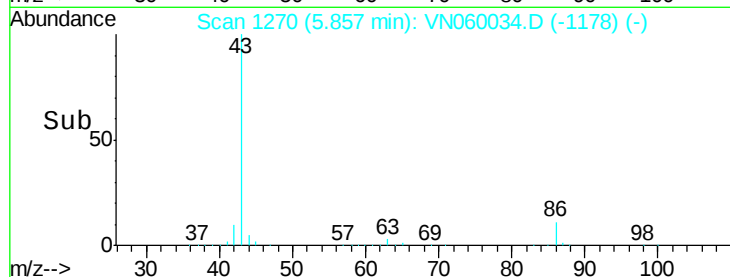
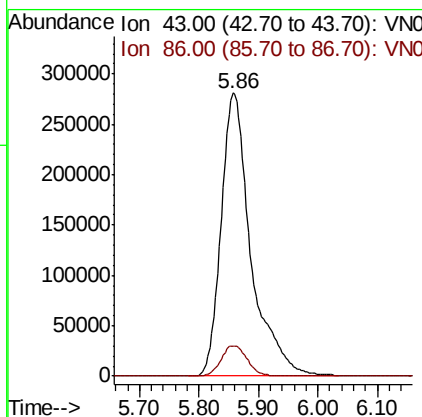
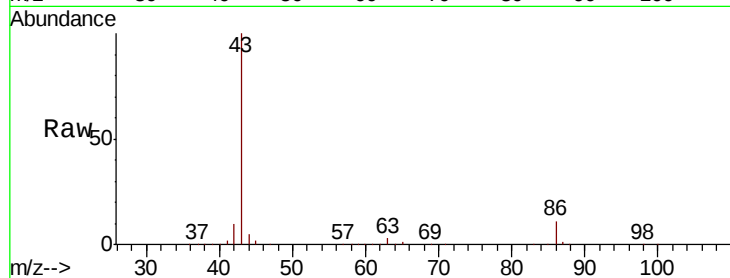
#23
 Vinyl Acetate
 Concen: 253.802 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.6	11.4

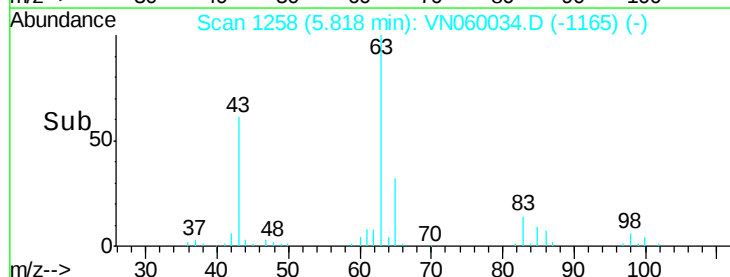
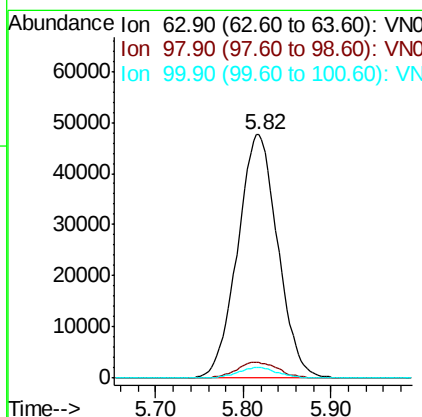
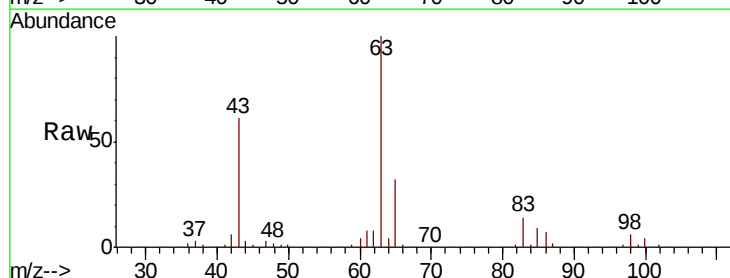
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 2/11/2020 11:03:58 AM



#24
 1,1-Dichloroethane
 Concen: 49.778 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.9	8.7
100	4.3	2.0	6.0





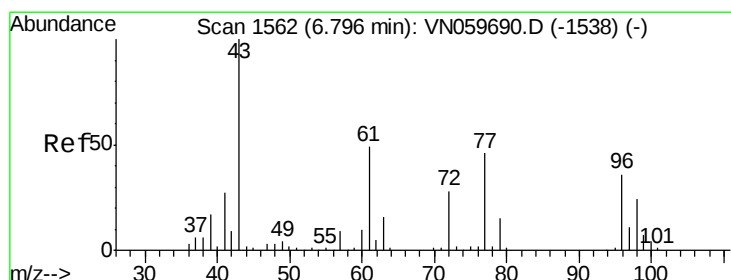
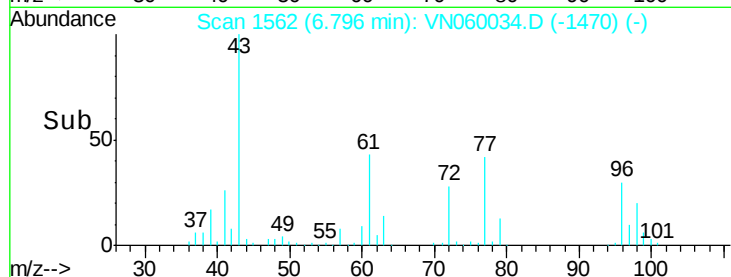
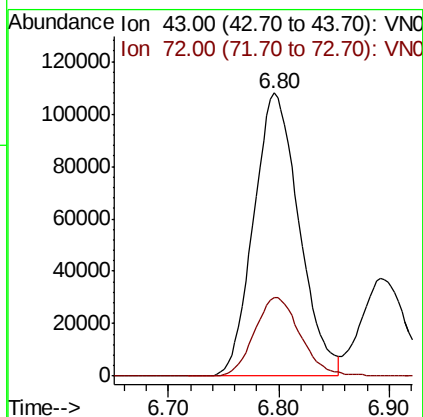
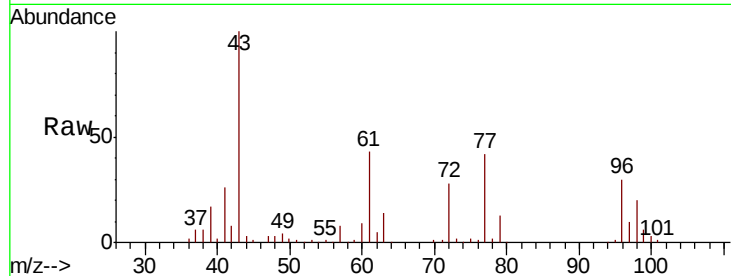
#25
2-Butanone
Concen: 276.141 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 309267
Ion Ratio Lower Upper
43 100
72 27.9 19.9 29.9

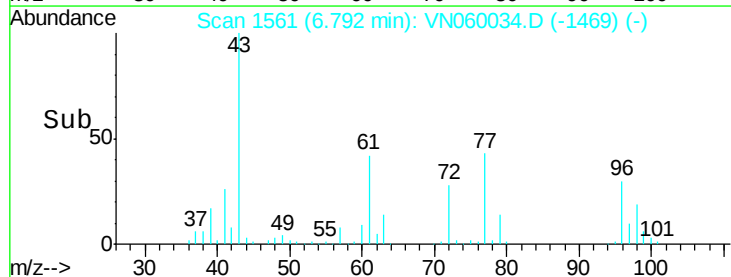
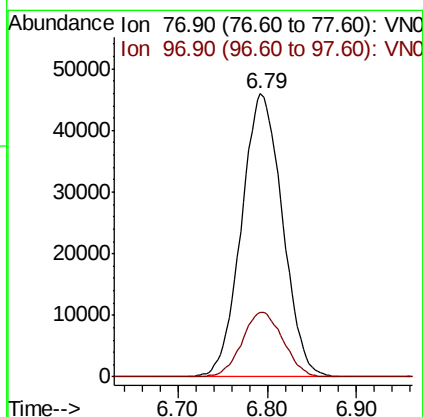
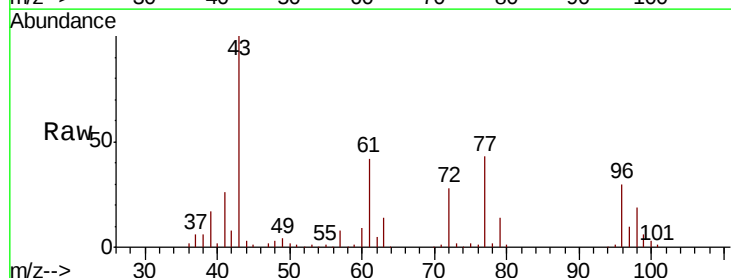
Manual Integrations
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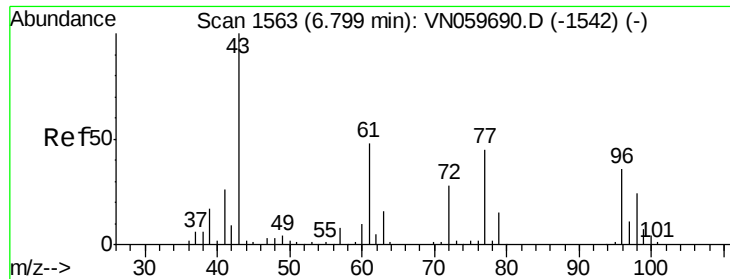
MMDadoda
2/11/2020 11:03:58 AM



#26
2,2-Dichloropropane
Concen: 50.264 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 77 Resp: 146948
Ion Ratio Lower Upper
77 100
97 22.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 48.575 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

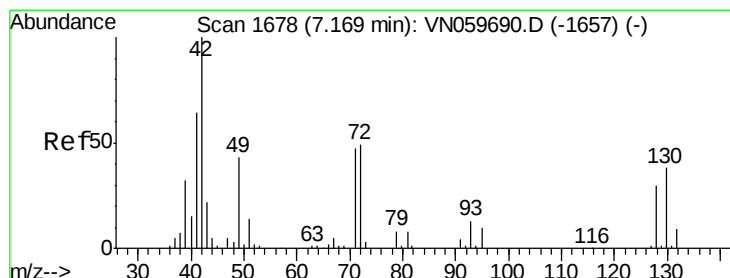
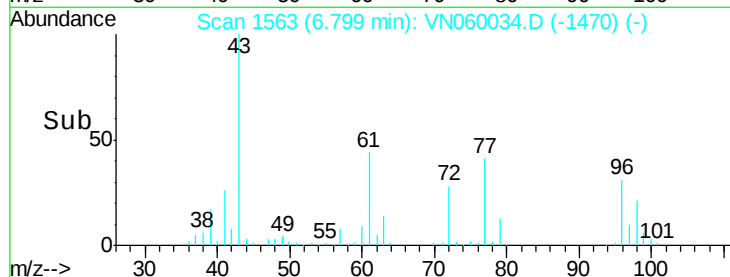
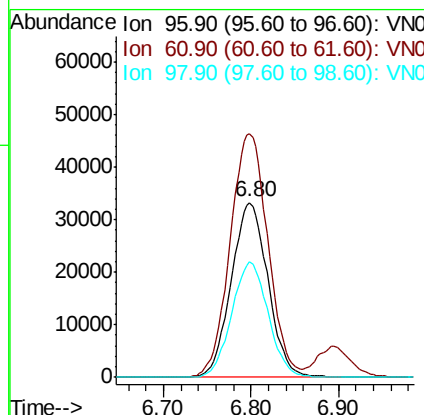
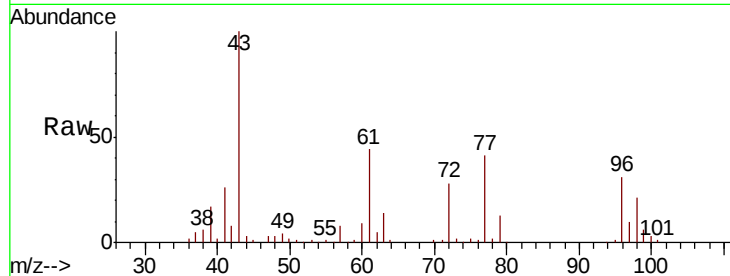
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	96762
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	317.6
98	65.6	0.0	127.0

Manual Integrations
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2/11/2020 11:03:58 AM



#28

Bromochloromethane

Concen: 51.362 ug/l

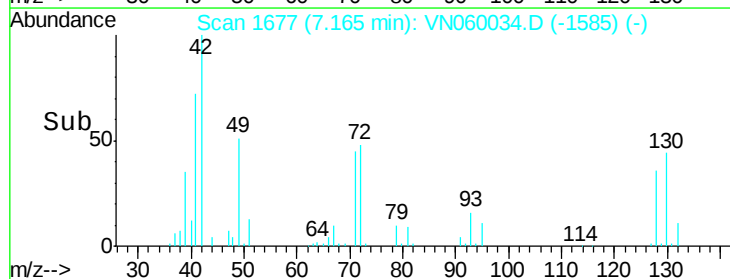
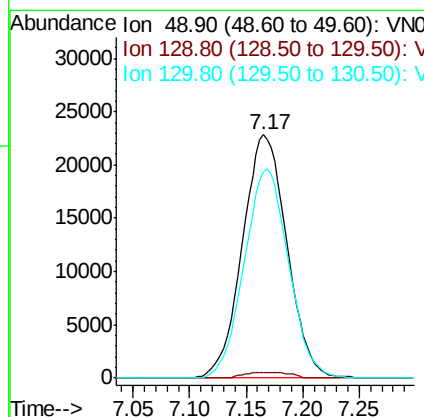
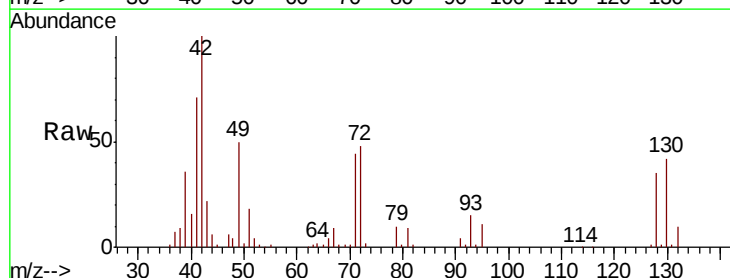
RT: 7.17 min Scan# 1677

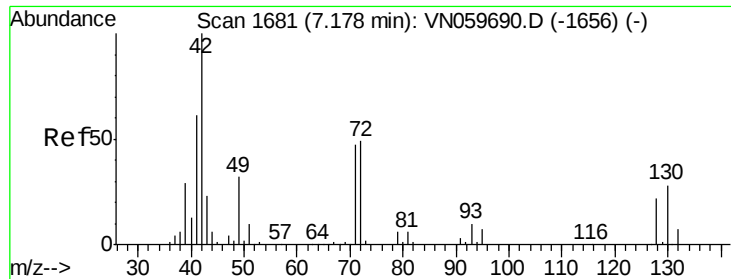
Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	49	Resp:	62426
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	3.4
130	85.7	54.7	82.1#





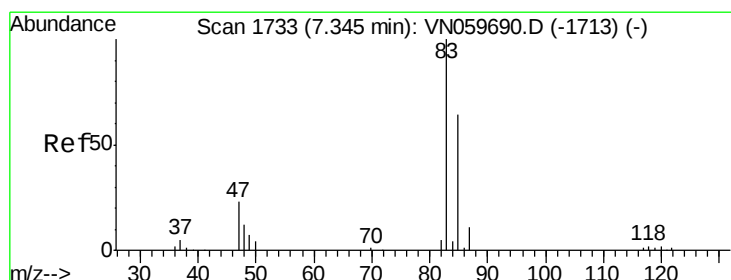
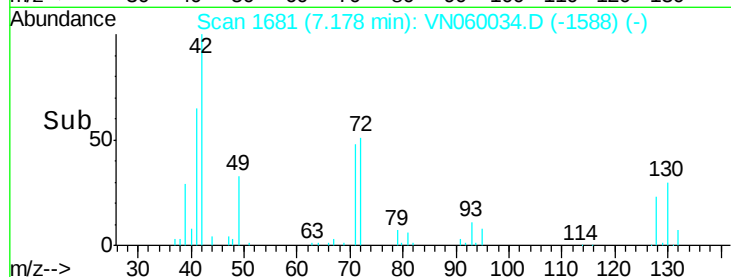
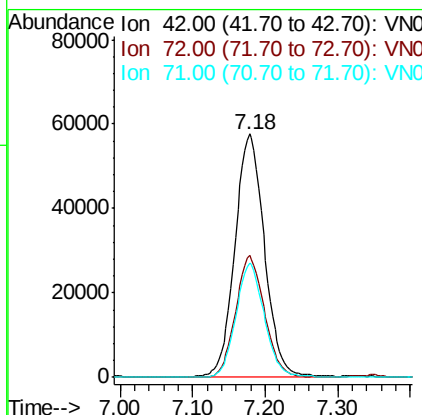
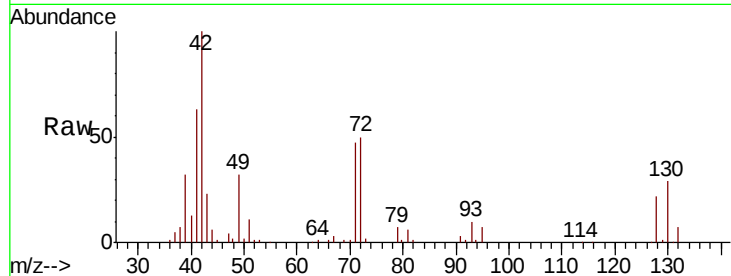
#29
Tetrahydrofuran
Concen: 237.557 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	44.8	31.4	47.0

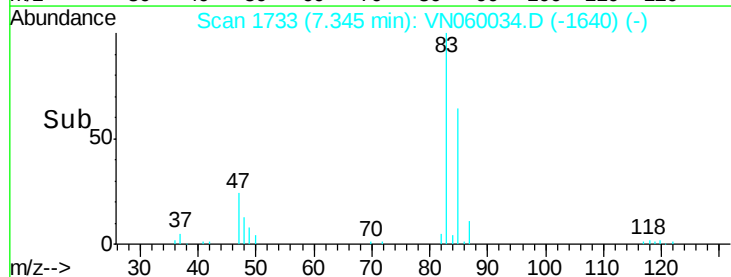
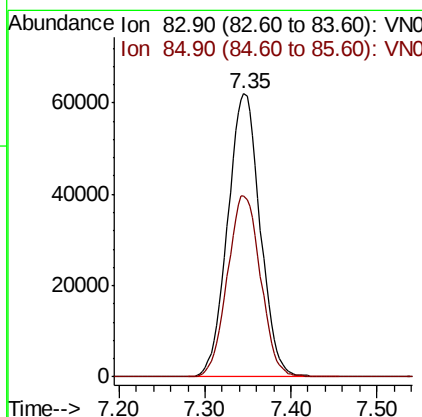
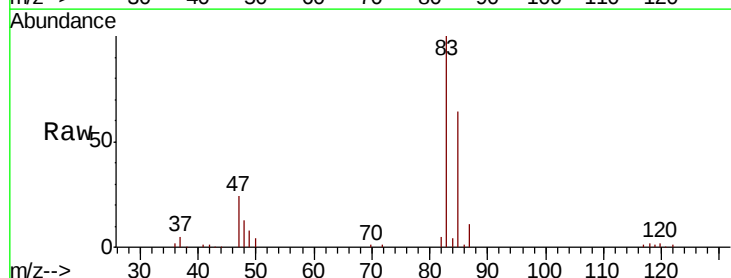
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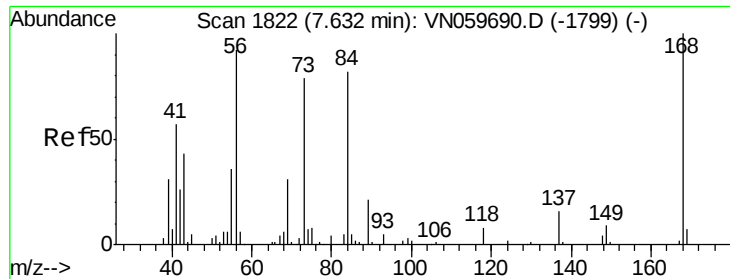
MMDadoda
2/11/2020 11:03:58 AM



#30
Chloroform
Concen: 51.657 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.4	78.6





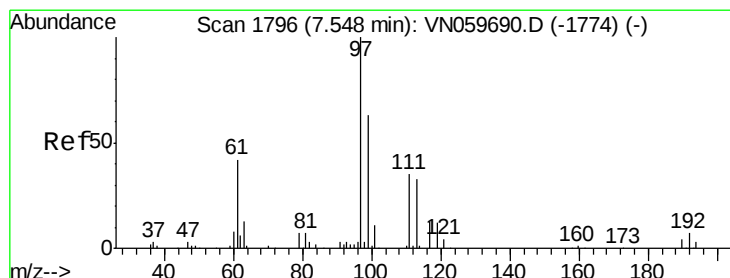
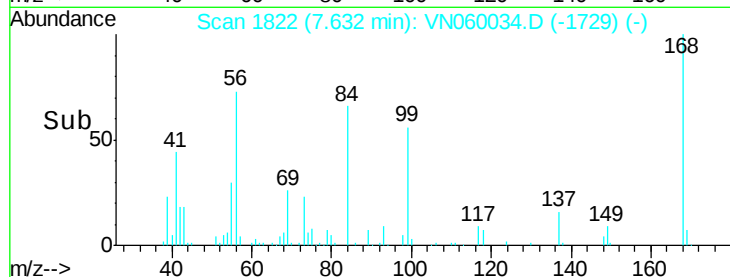
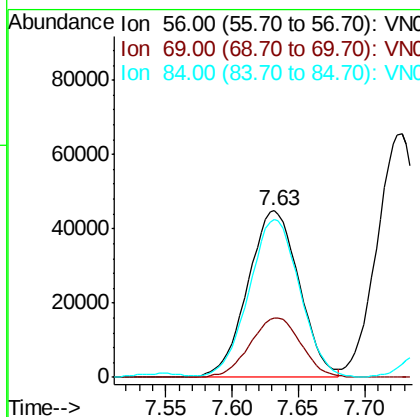
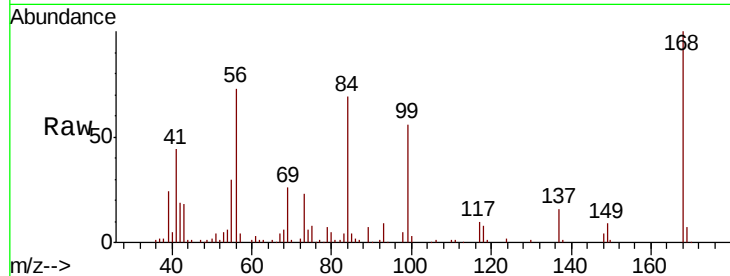
#31
Cyclohexane
Concen: 41.394 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	26.5	39.7
84	93.2	65.3	97.9

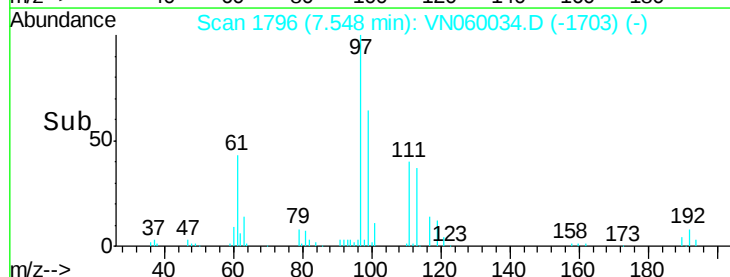
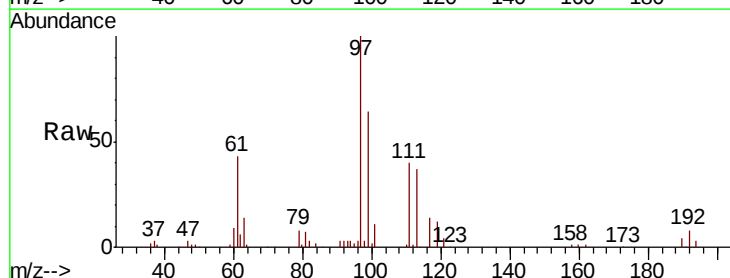
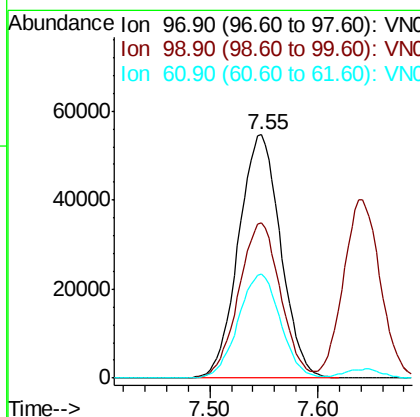
Manual Integrations
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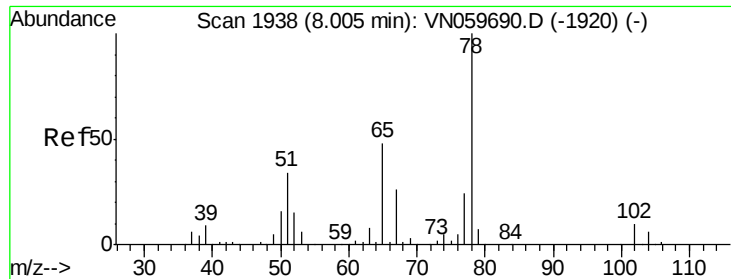
MMDadoda
2/11/2020 11:03:58 AM



#32
1,1,1-Trichloroethane
Concen: 50.817 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.4
61	42.9	38.5	57.7





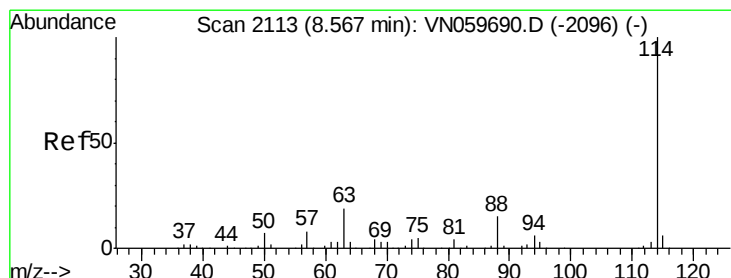
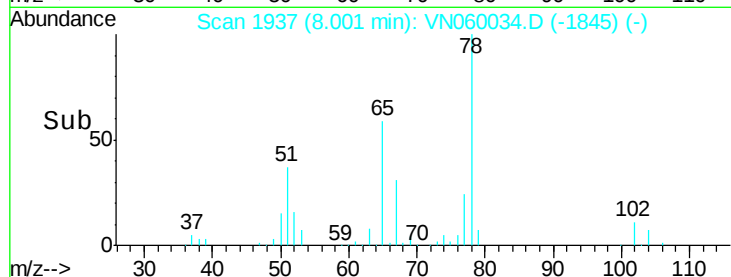
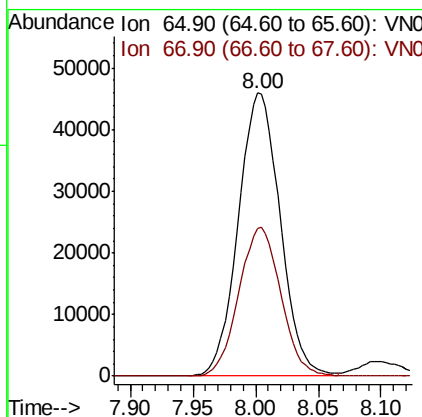
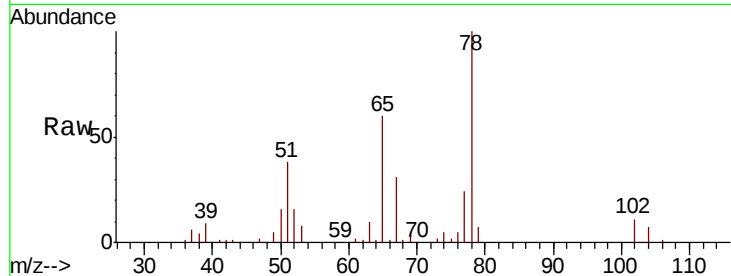
#33
 1,2-Dichloroethane-d4
 Concen: 54.035 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.0	

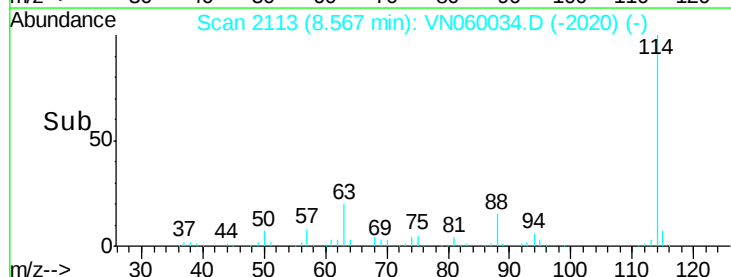
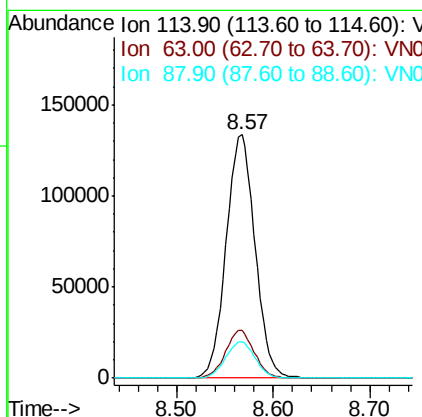
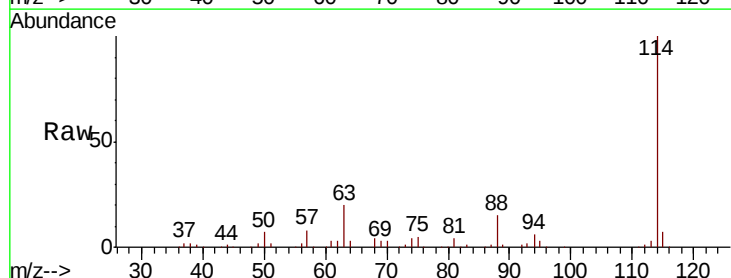
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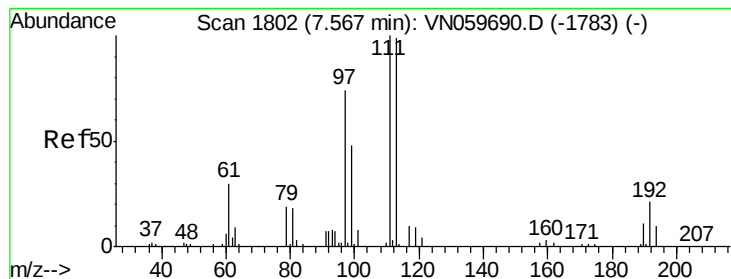
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 2/11/2020 11:03:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	43.6	
88	15.0	0.0	31.4	





#35

Dibromofluoromethane

Concen: 52.462 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

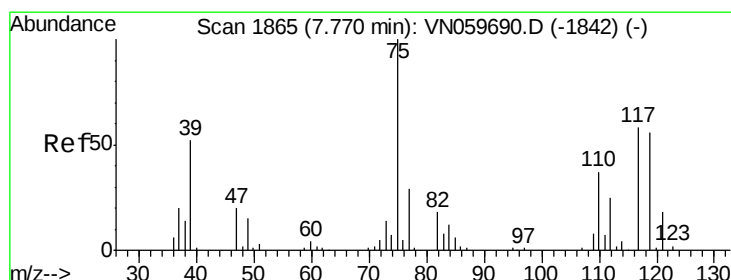
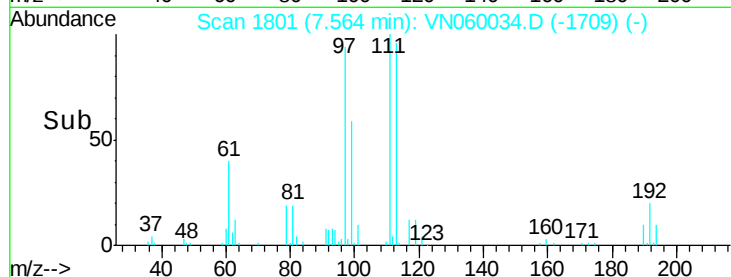
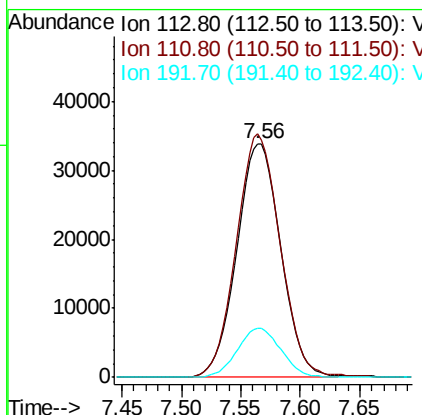
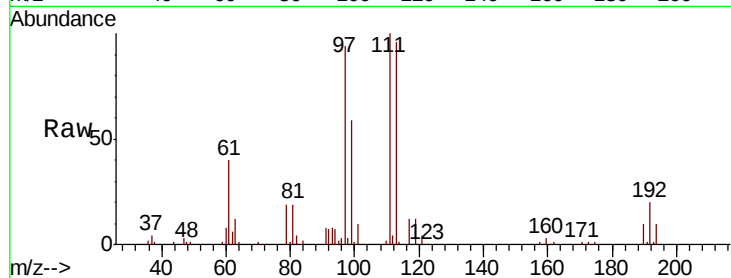
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	86793
Ion Ratio	Lower	Upper	
113	100		
111	104.0	83.5	125.3
192	20.7	15.4	23.2

Manual Integrations
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2/11/2020 11:03:58 AM



#36

1,1-Dichloropropene

Concen: 47.199 ug/l

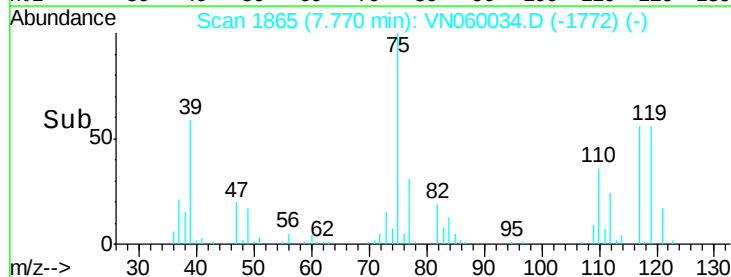
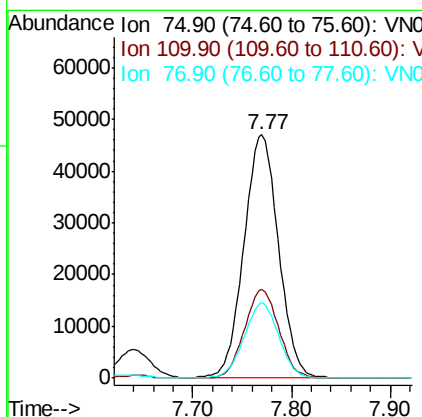
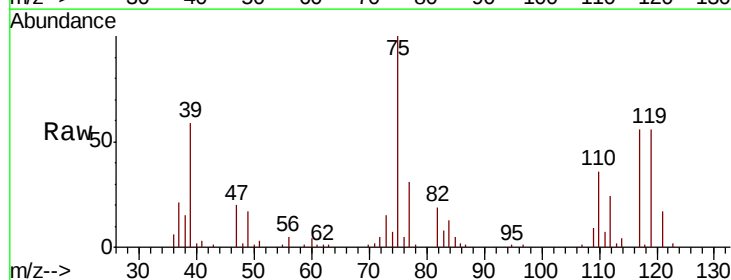
RT: 7.77 min Scan# 1865

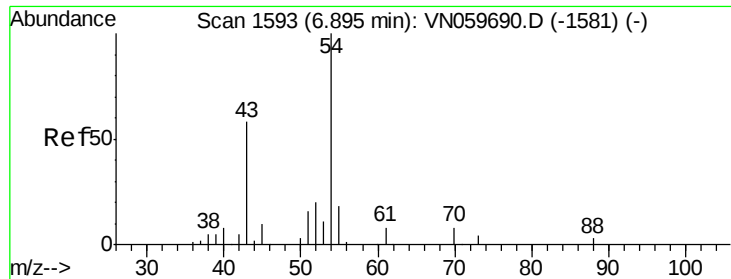
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	75	Resp:	114028
Ion Ratio	Lower	Upper	
75	100		
110	36.0	16.6	49.7
77	31.0	25.1	37.7





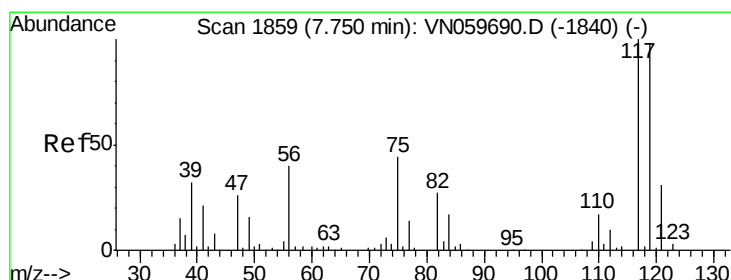
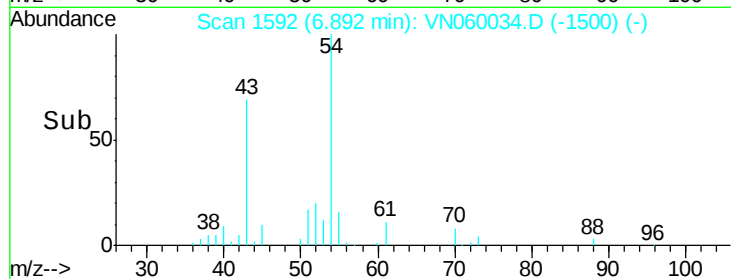
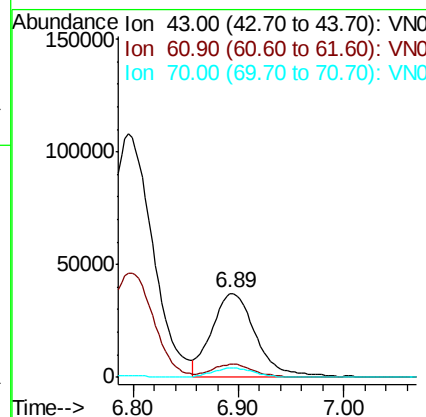
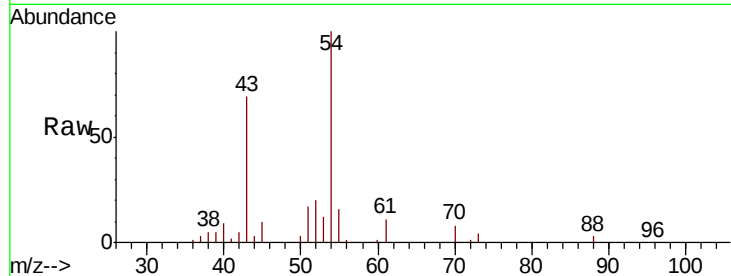
#37
Ethyl Acetate
Concen: 46.758 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.9	16.3
70	10.9	7.7	11.5

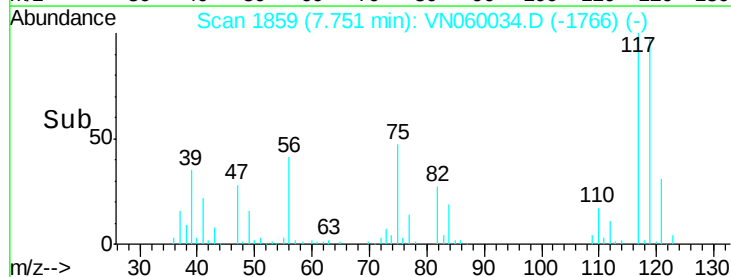
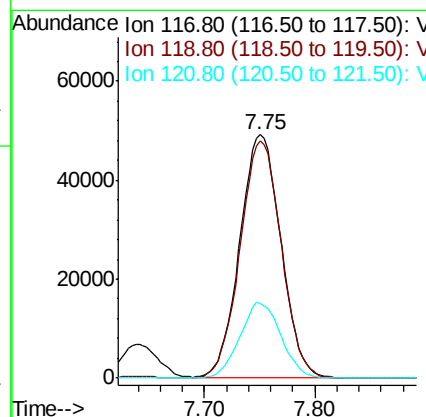
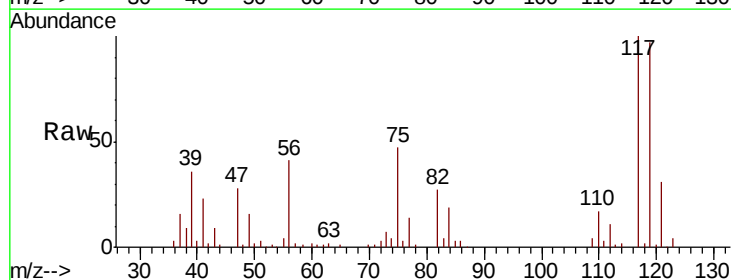
Manual Integrations
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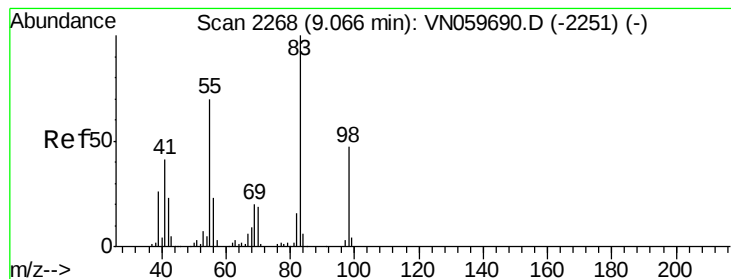
MMDadoda
2/11/2020 11:03:58 AM



#38
Carbon Tetrachloride
Concen: 48.608 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.5	114.7
121	30.9	25.1	37.7





#39

Methvlcvclohexane

Concen: 45.234 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

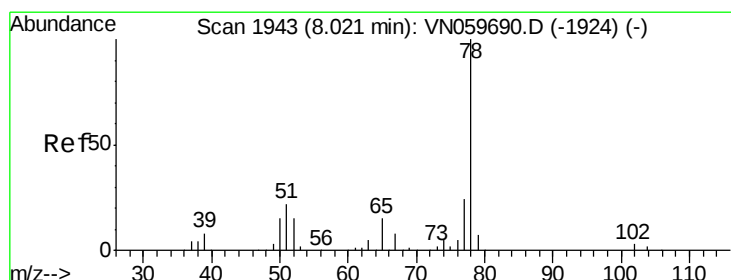
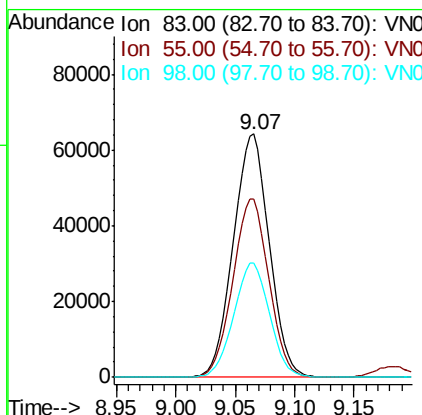
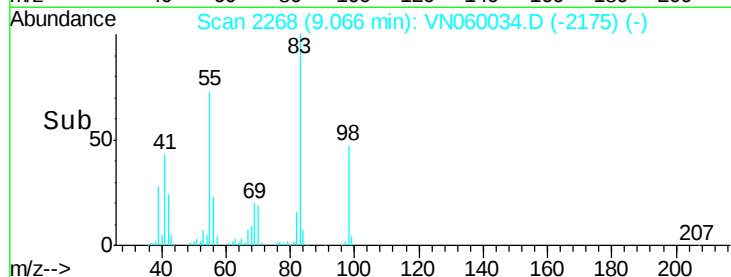
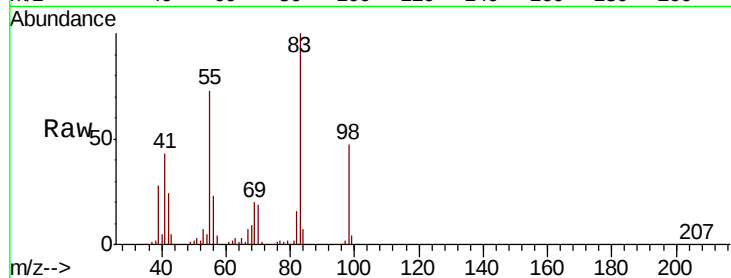
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	134746
Ion Ratio	Lower	Upper	
83	100		
55	73.2	64.2	96.2
98	46.8	35.9	53.9

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#40

Benzene

Concen: 47.593 ug/l

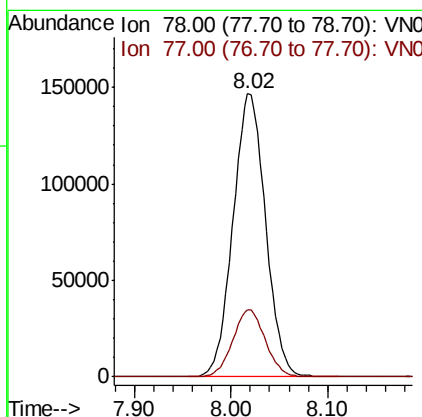
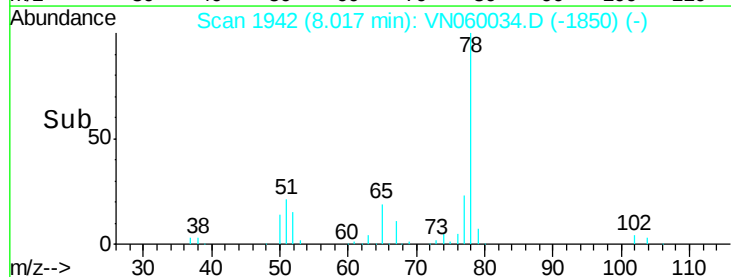
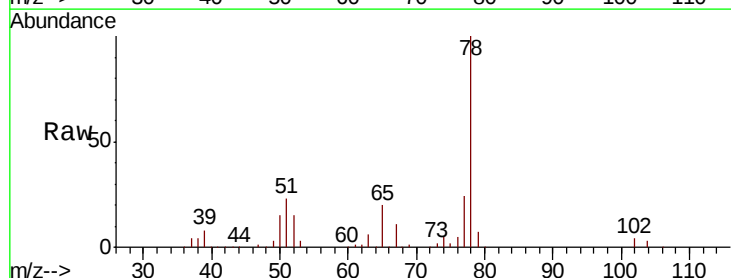
RT: 8.02 min Scan# 1942

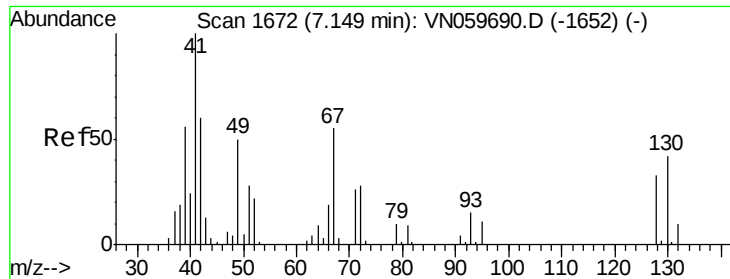
Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	78	Resp:	342910
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.9	28.3





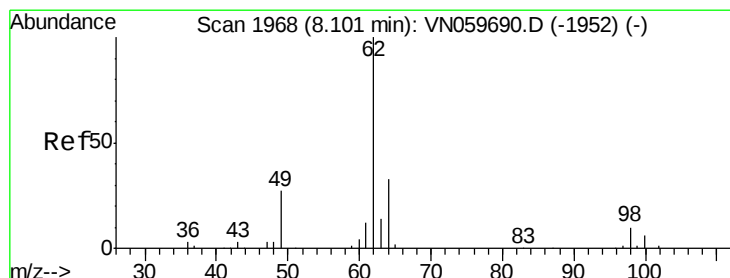
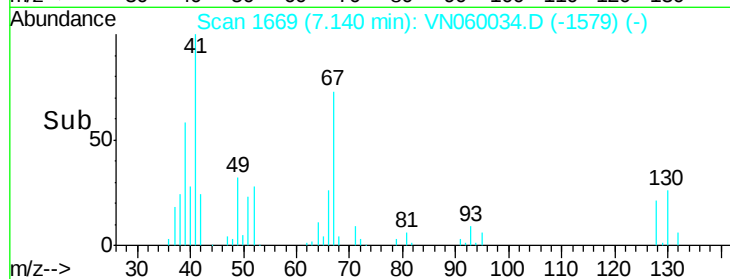
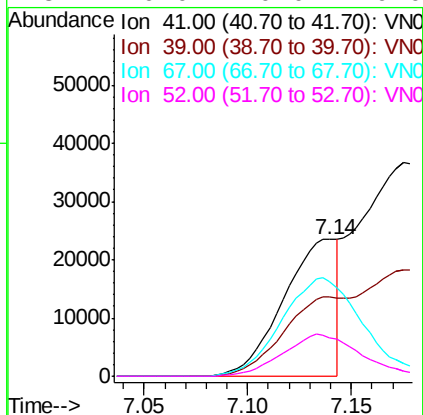
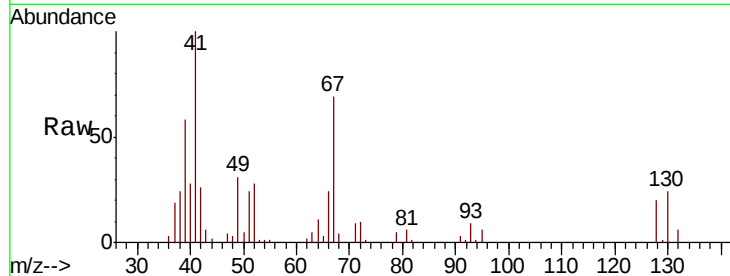
#41
Methacrylonitrile
Concen: 37.901 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	41	Resp	42301
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

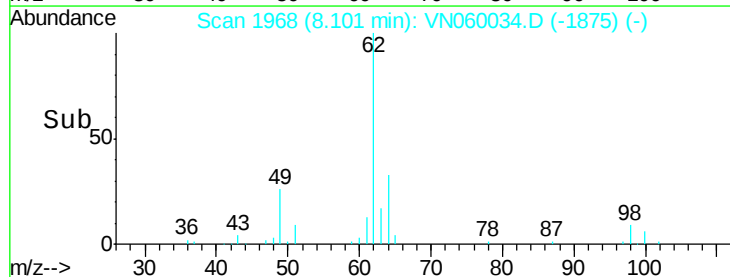
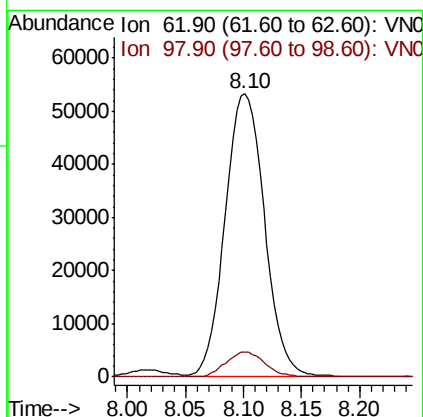
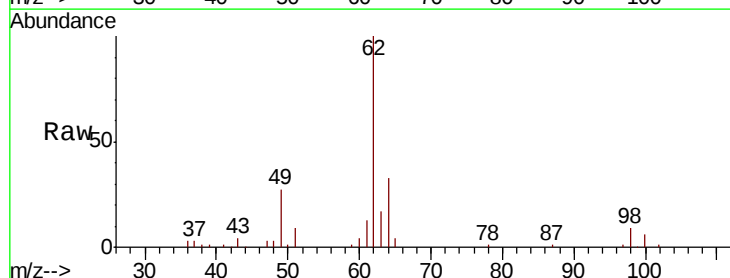
Manual Integrations
APPROVED

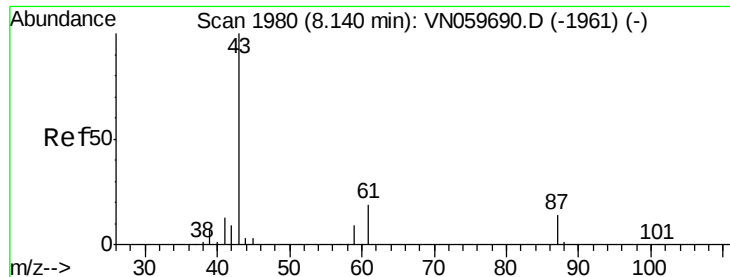
MMDadoda
2/11/2020 11:03:58 AM



#42
1,2-Dichloroethane
Concen: 51.242 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	62	Resp	125179
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	15.8





#43

Isopropyl Acetate

Concen: 49.387 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

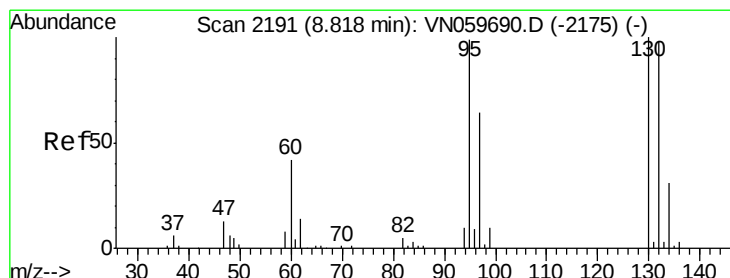
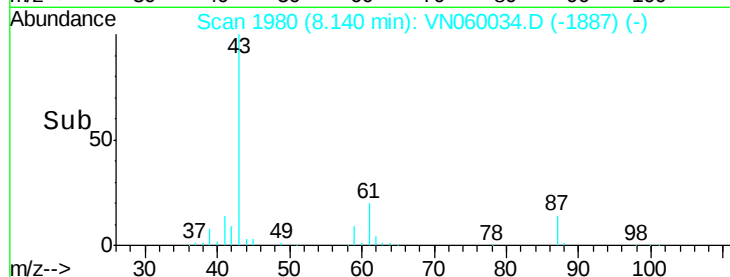
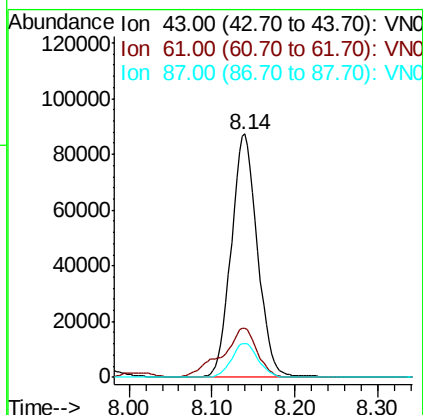
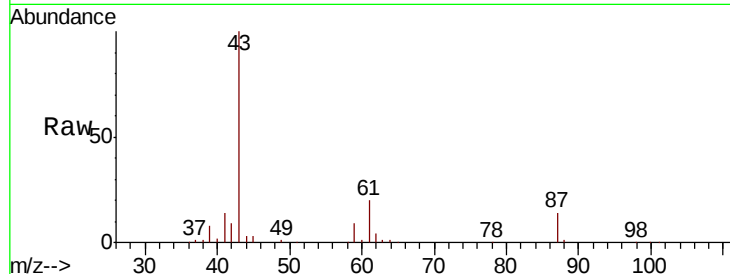
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	192484
Ion	Ratio	Lower	Upper
43	100		
61	27.0	20.2	30.2
87	14.1	9.5	14.3

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#44

Trichloroethene

Concen: 49.510 ug/l

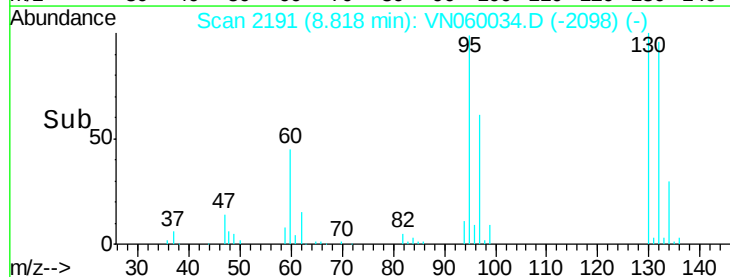
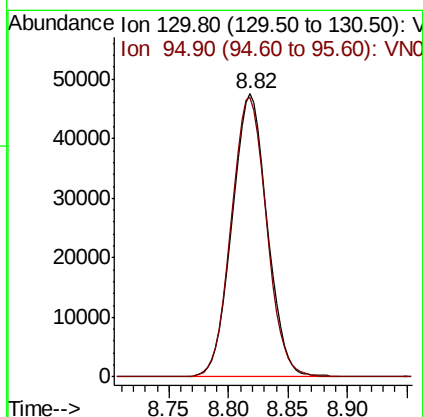
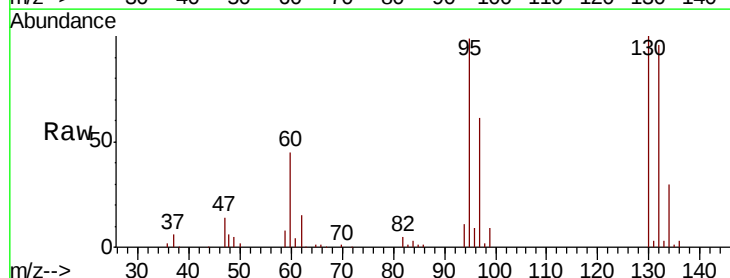
RT: 8.82 min Scan# 2191

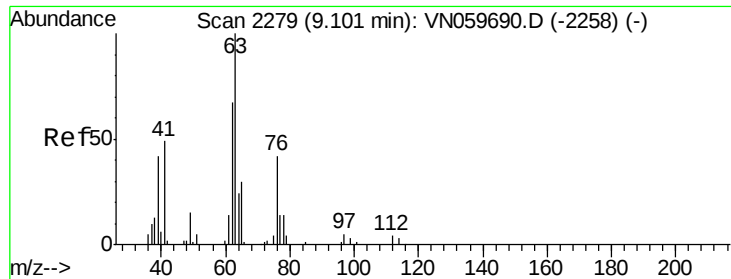
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	130	Resp:	97383
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	207.0





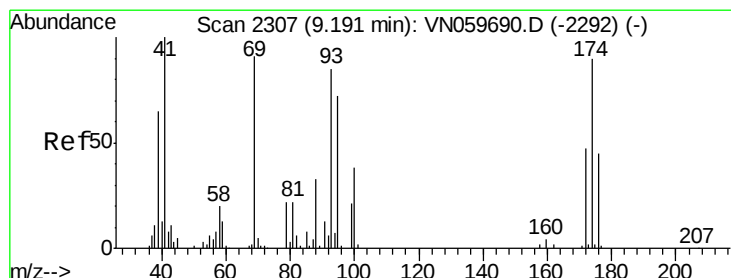
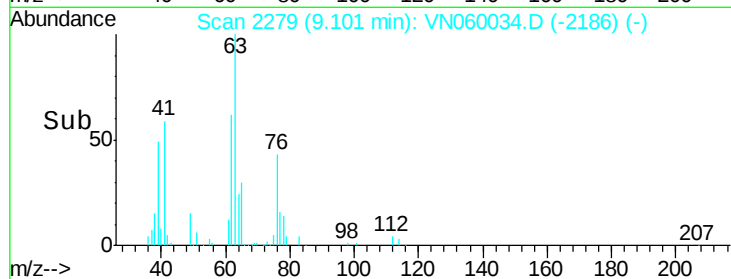
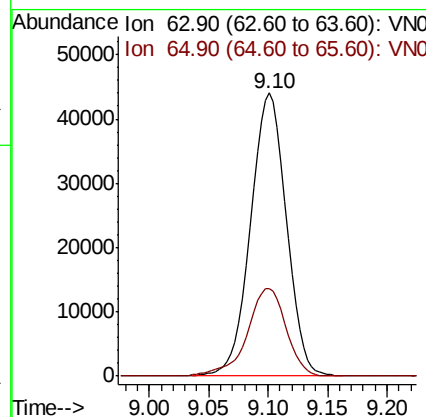
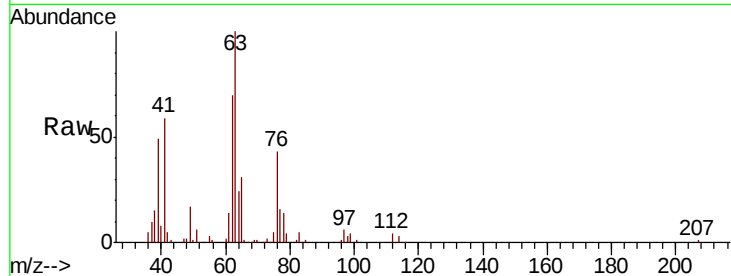
#45
 1,2-Dichloropropane
 Concen: 51.431 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

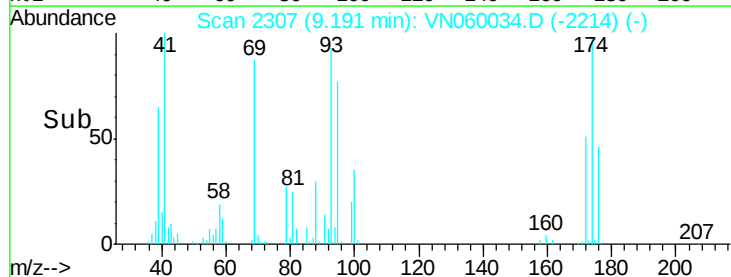
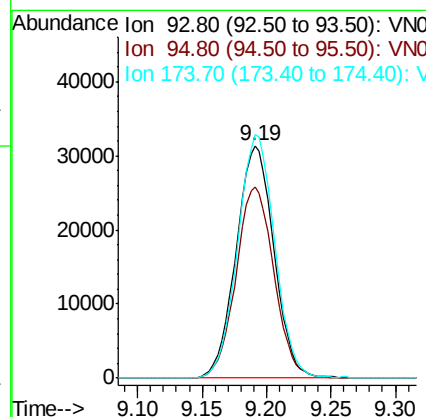
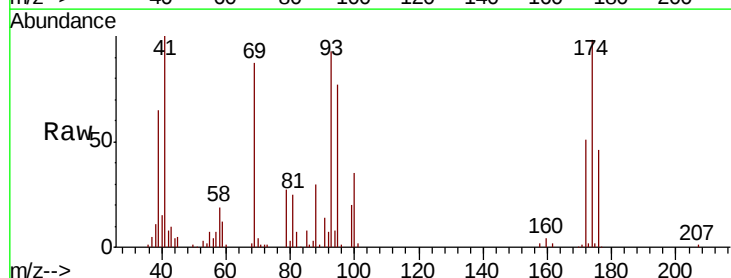
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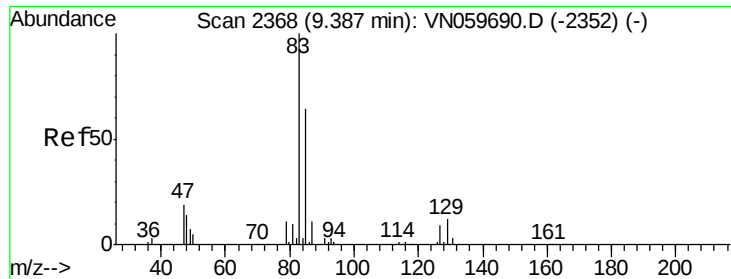
MMDadoda
 2/11/2020 11:03:58 AM



#46
 Dibromomethane
 Concen: 50.962 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.0	100.6
174	102.7	73.4	110.2





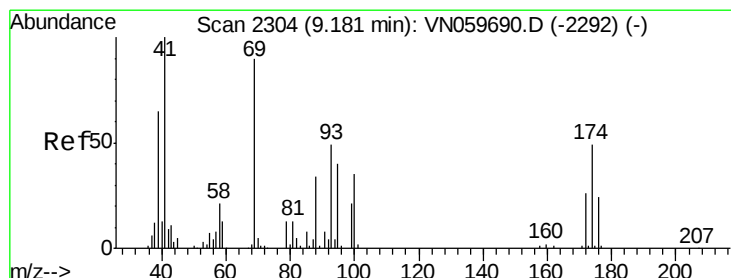
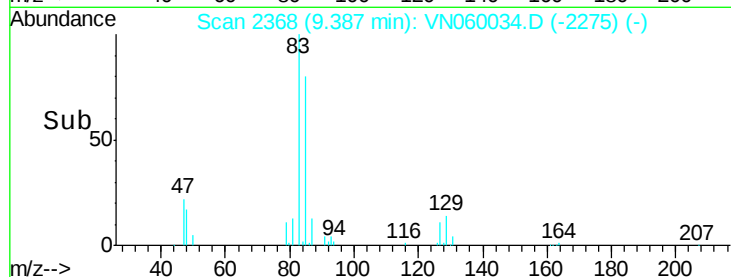
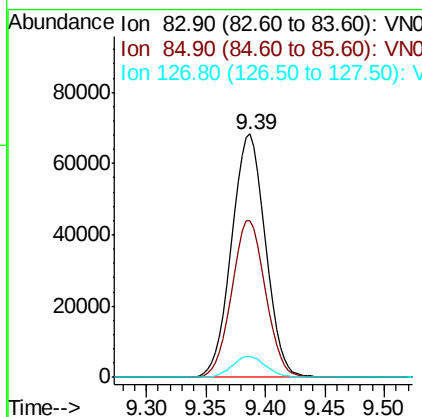
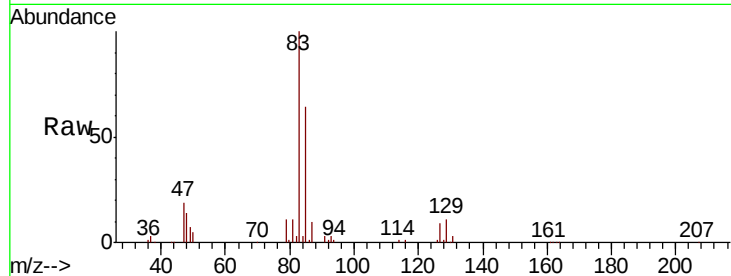
#47
Bromodichloromethane
Concen: 53.212 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	134862
Ion Ratio	100		
85	64.4	51.1	76.7
127	8.6	6.6	9.8

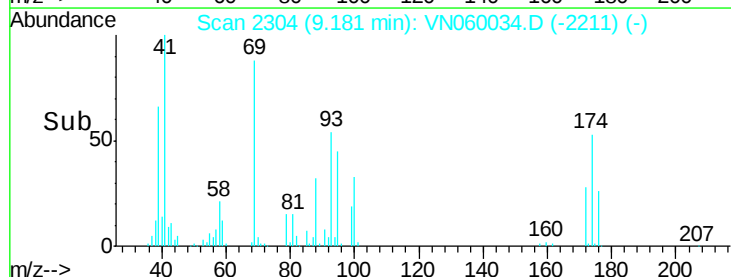
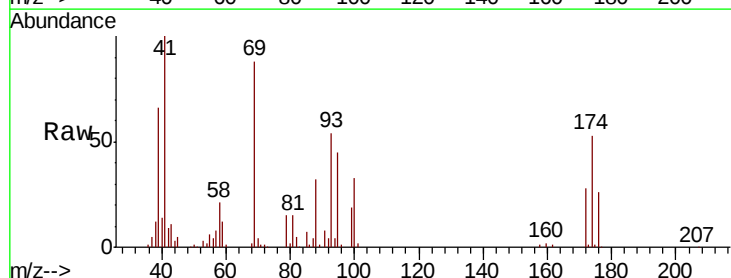
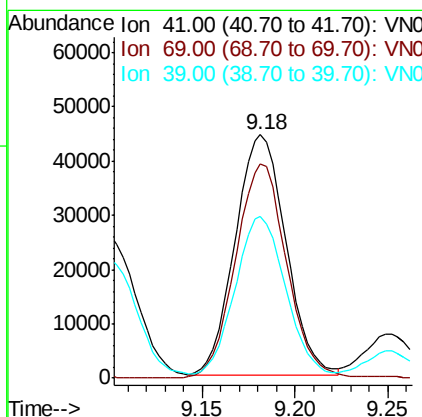
Manual Integrations
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#48
Methyl methacrylate
Concen: 48.337 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	41	Resp	84266
Ion Ratio	100		
69	90.3	64.4	96.6
39	67.7	51.3	76.9





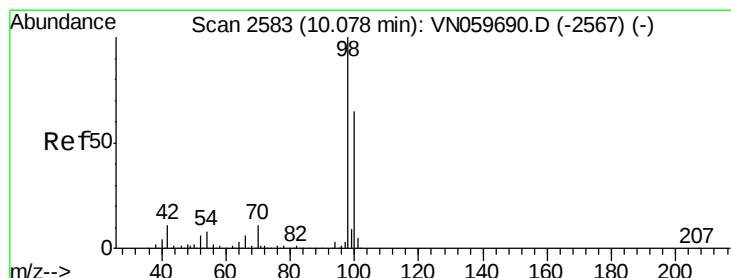
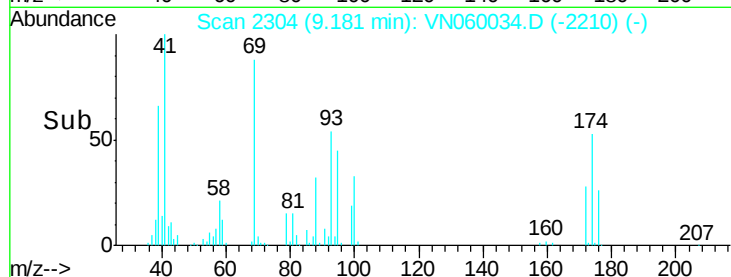
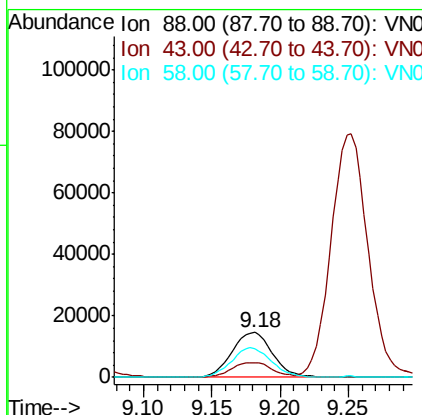
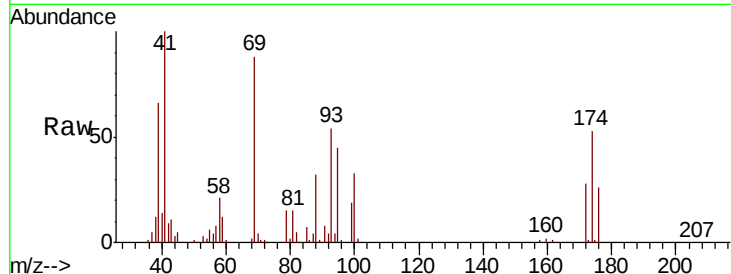
#49
1,4-Dioxane
Concen: 958.861 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	29.7	44.5
58	64.5	56.6	85.0

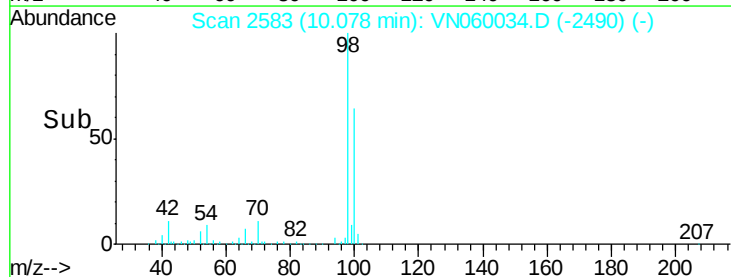
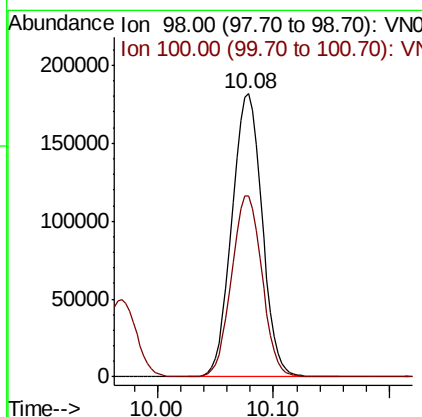
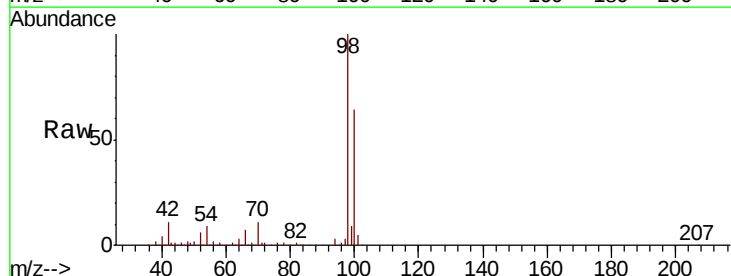
Manual Integrations
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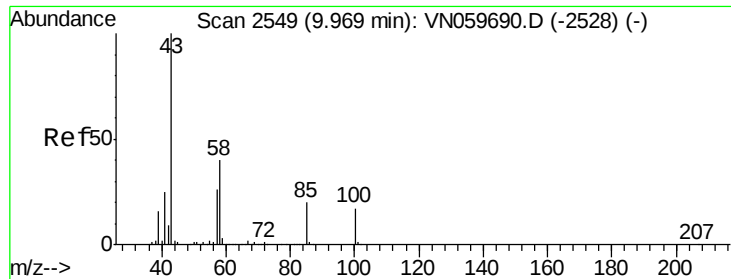
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#50
Toluene-d8
Concen: 51.130 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 251.491 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 566607

Ion Ratio Lower Upper

43 100

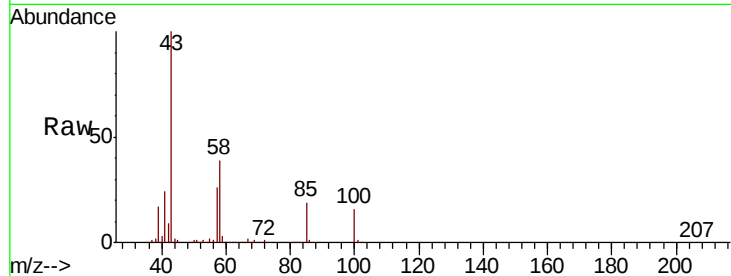
58 39.3 29.8 44.8

Manual Integrations

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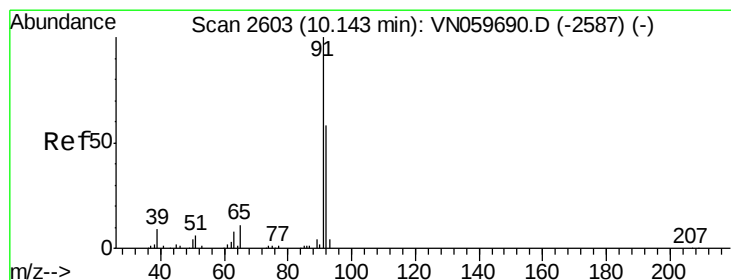
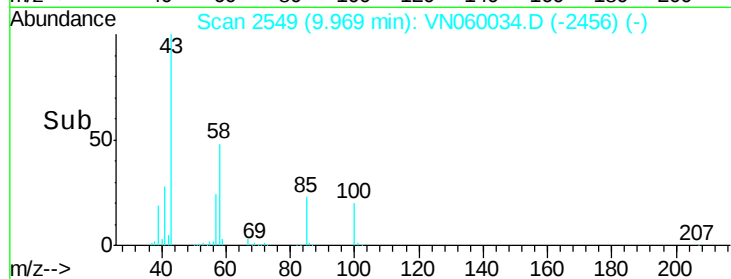
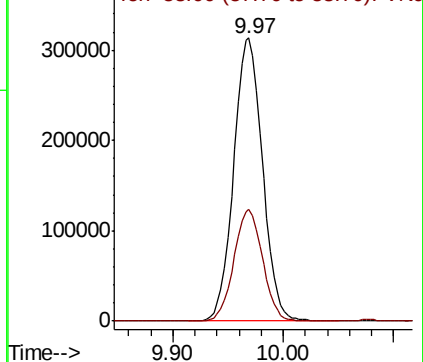
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.453 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060034.D

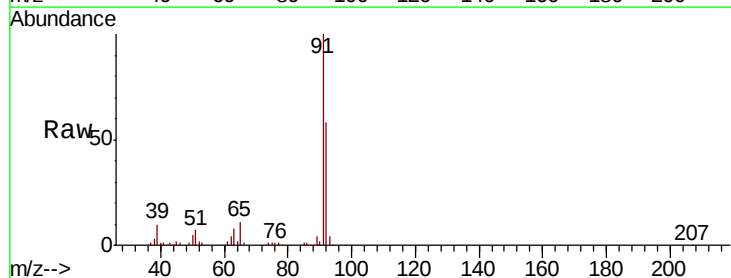
Acq: 10 Feb 2020 9:57

Tgt Ion: 92 Resp: 225065

Ion Ratio Lower Upper

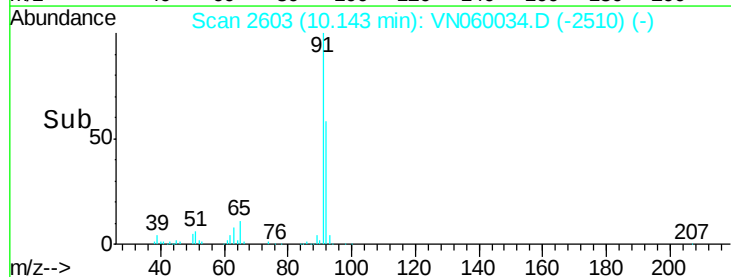
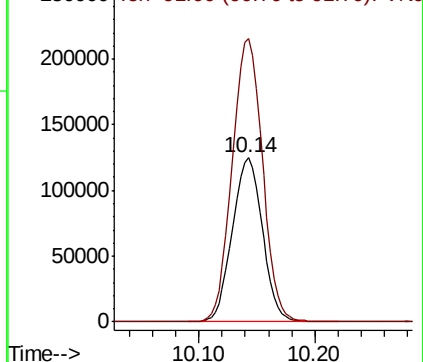
92 100

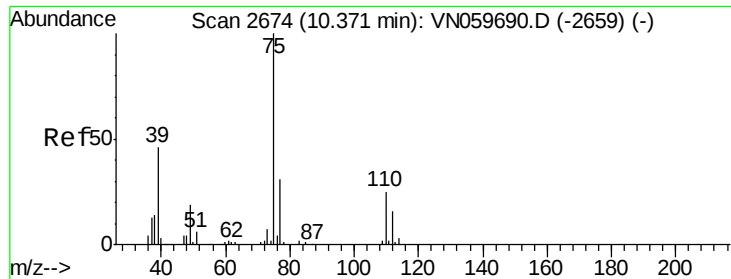
91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





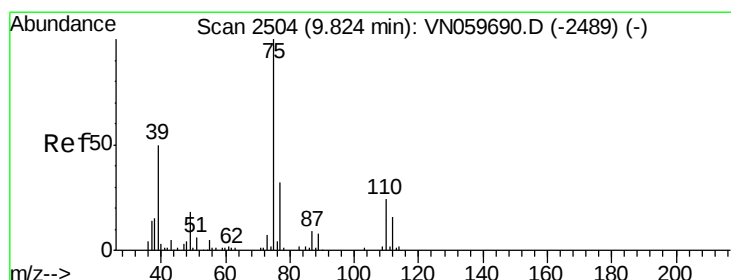
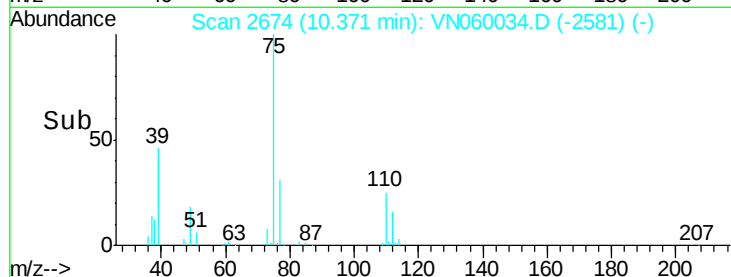
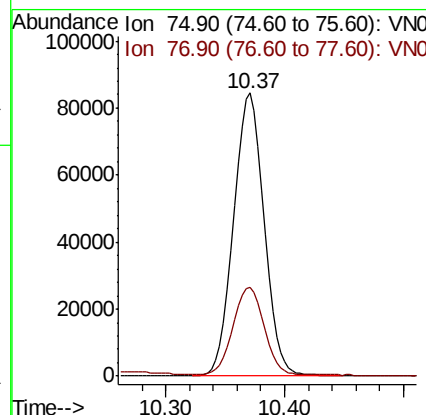
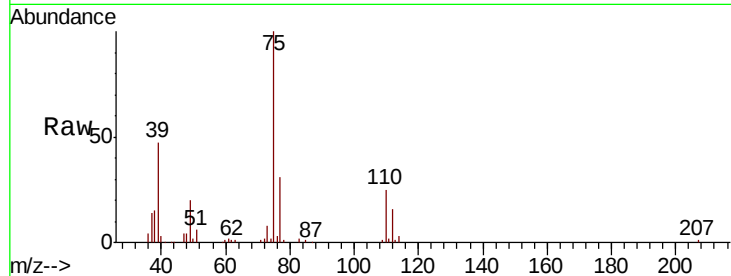
#53
t-1,3-Dichloropropene
Concen: 53.133 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 150360
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.2

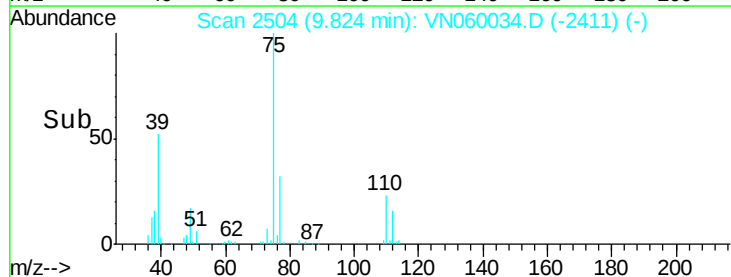
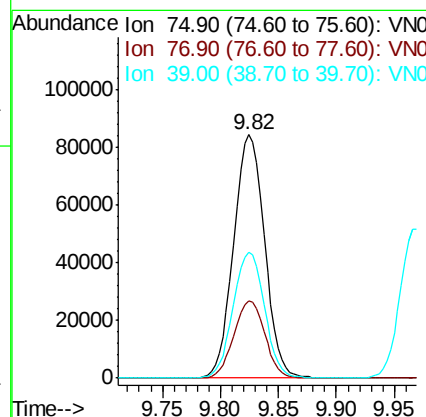
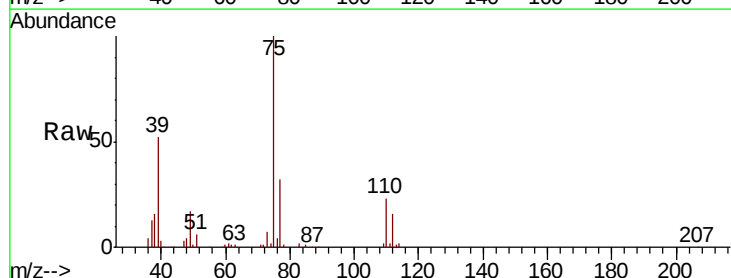
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#54
cis-1,3-Dichloropropene
Concen: 52.440 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 75 Resp: 156144
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 51.7 46.1 69.1





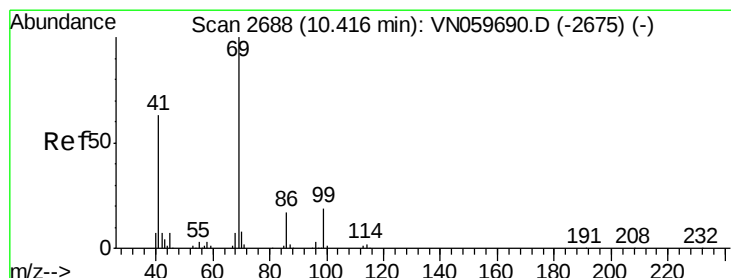
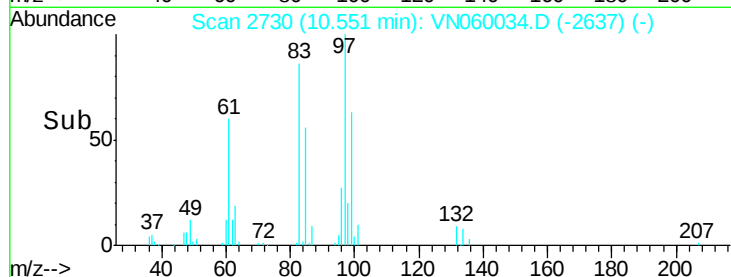
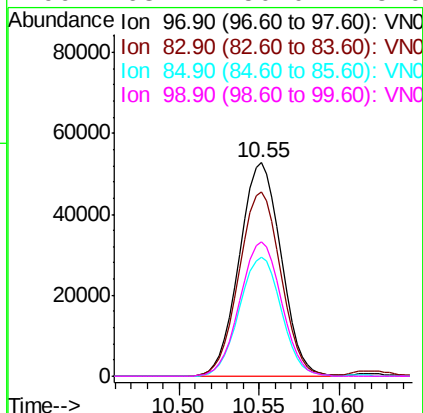
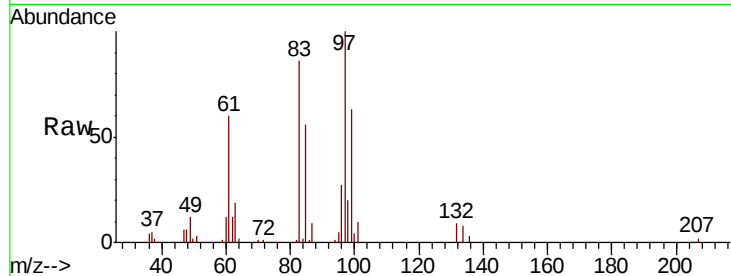
#55
 1,1,2-Trichloroethane
 Concen: 52.271 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	94217
Ion	Ratio	Lower	Upper
97	100		
83	86.5	71.3	106.9
85	55.9	45.8	68.8
99	63.1	50.0	75.0

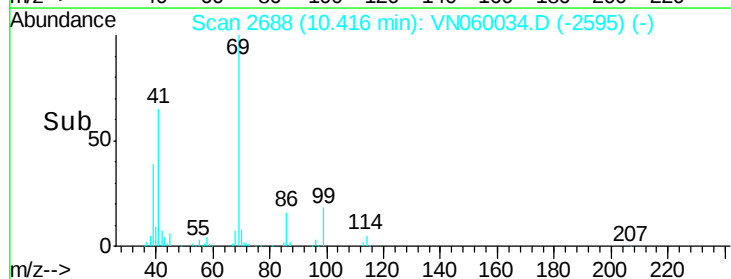
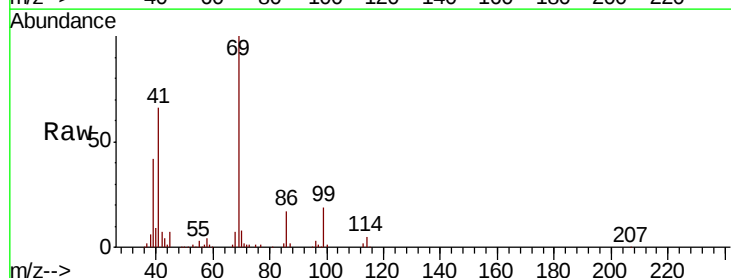
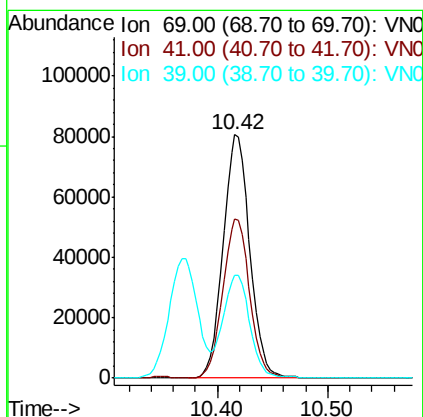
Manual Integrations
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 2/11/2020 11:03:58 AM



#56
 Ethyl methacrylate
 Concen: 49.102 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion:	69	Resp:	135238
Ion	Ratio	Lower	Upper
69	100		
41	65.1	57.1	85.7
39	42.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 53.246 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 152371

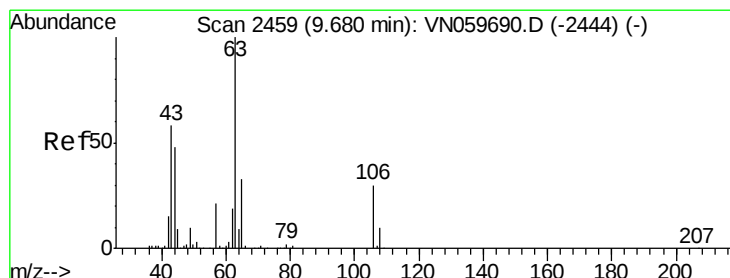
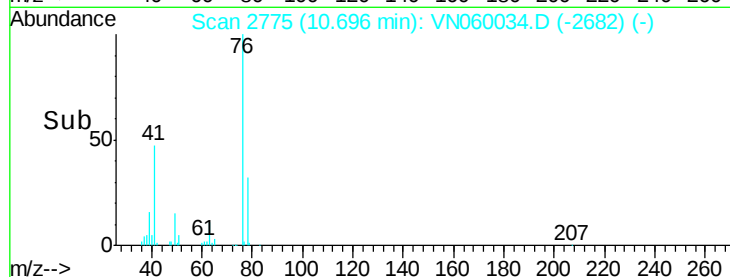
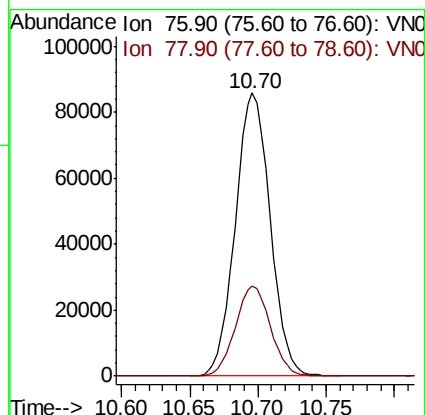
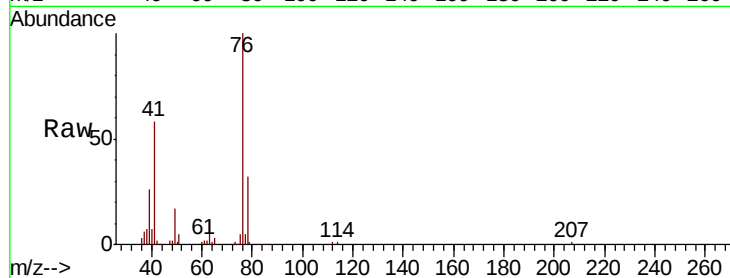
Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8

Manual Integrations
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MMDadoda
2/11/2020 11:03:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 279.690 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060034.D

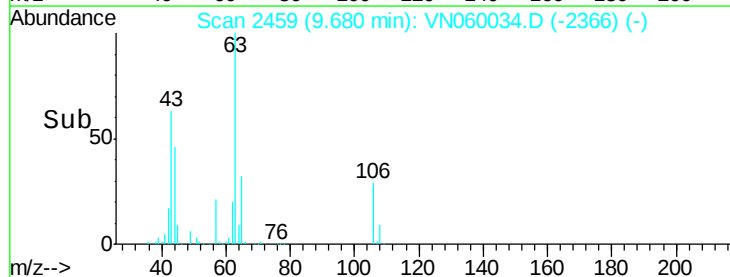
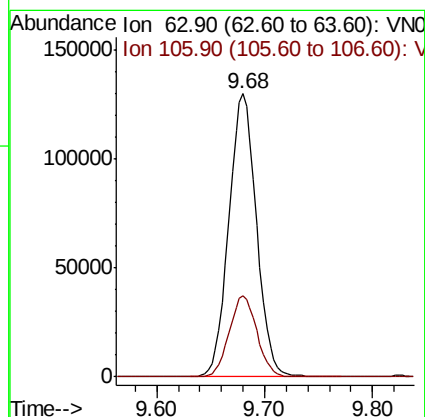
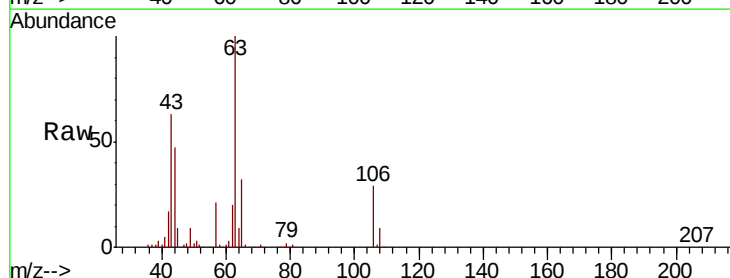
Acq: 10 Feb 2020 9:57

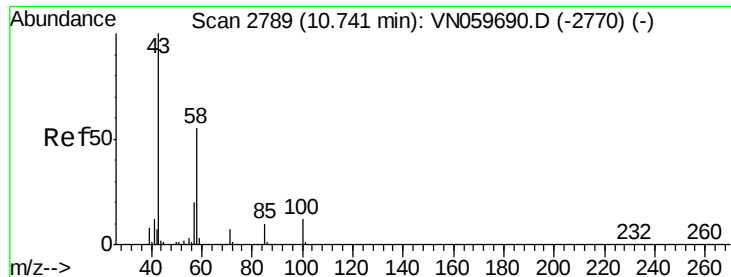
Tgt Ion: 63 Resp: 232024

Ion Ratio Lower Upper

63 100

106 28.6 20.2 30.2





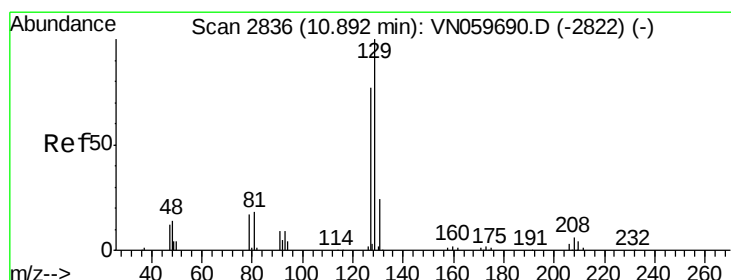
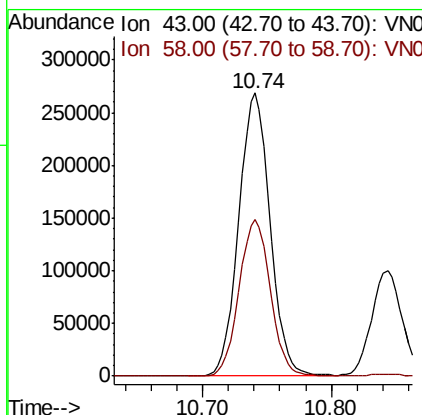
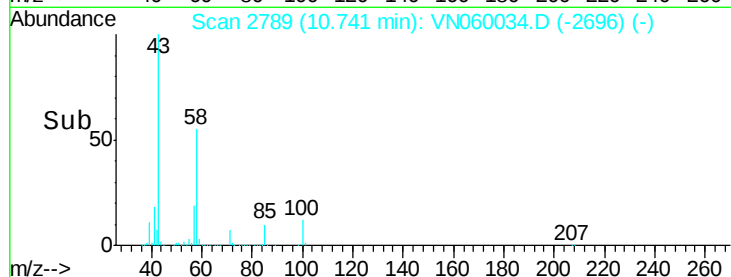
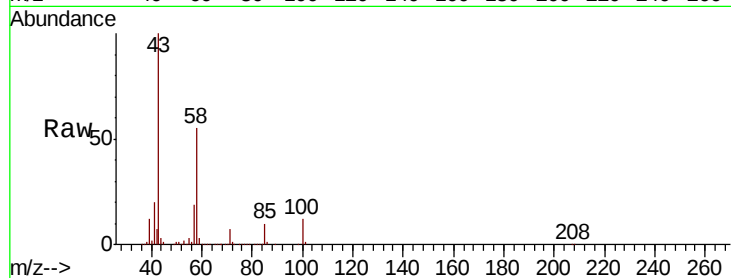
#59
2-Hexanone
Concen: 273.797 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 454446
Ion Ratio Lower Upper
43 100
58 55.3 25.8 77.3

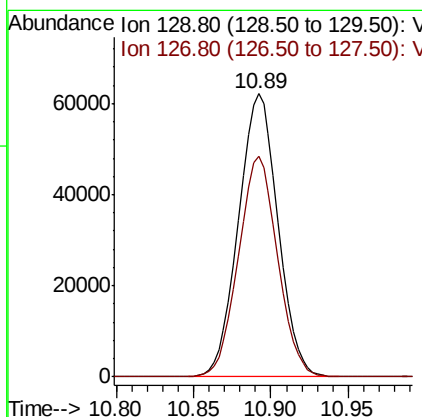
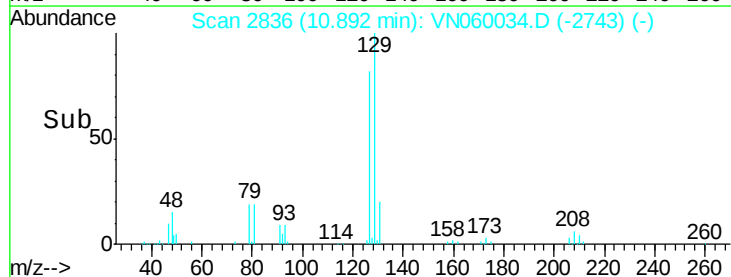
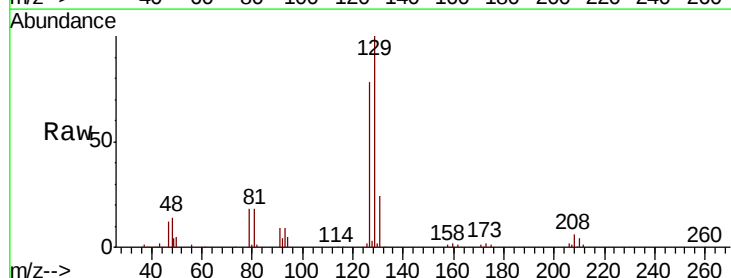
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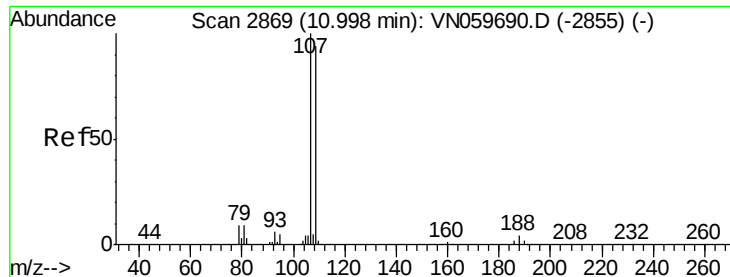
MMDadoda
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#60
Dibromochloromethane
Concen: 53.760 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 129 Resp: 110347
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.728 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 95836

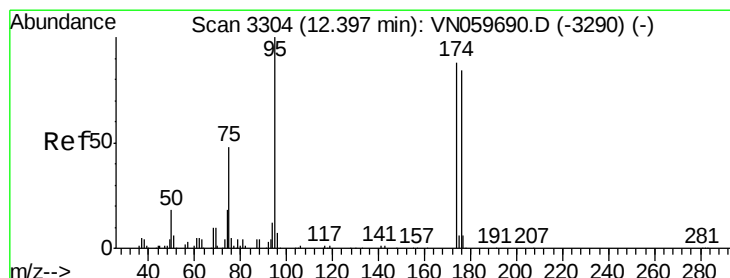
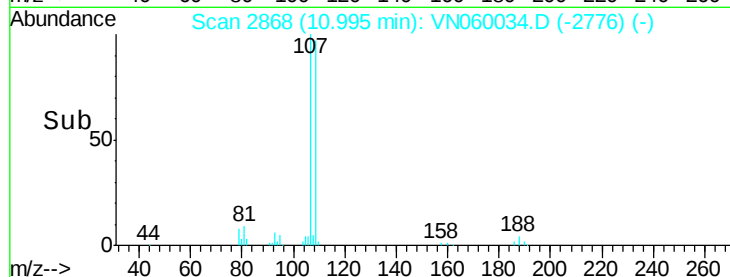
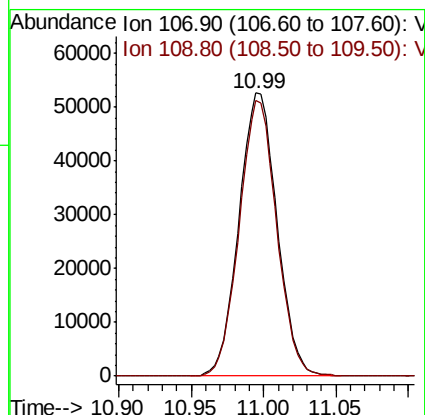
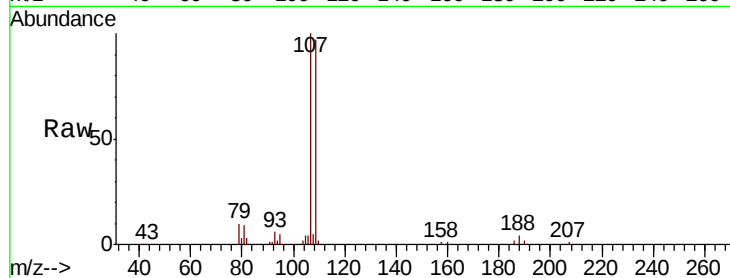
Ion Ratio Lower Upper

107 100

109 95.8 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 54.211 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

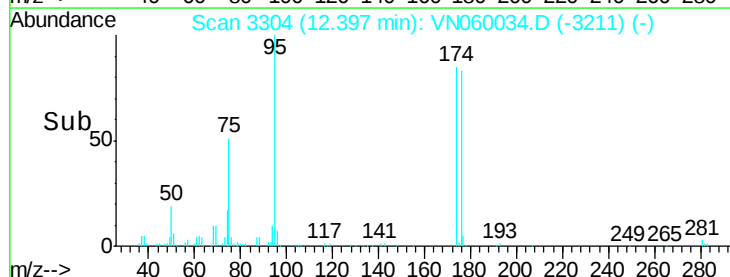
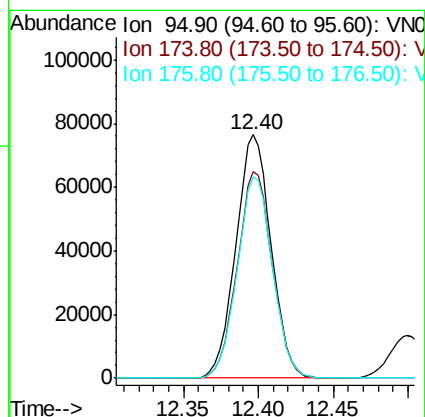
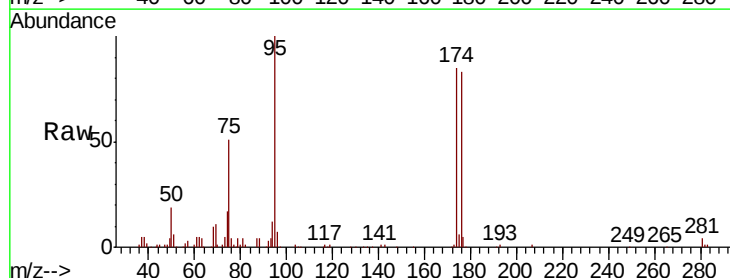
Tgt Ion: 95 Resp: 125269

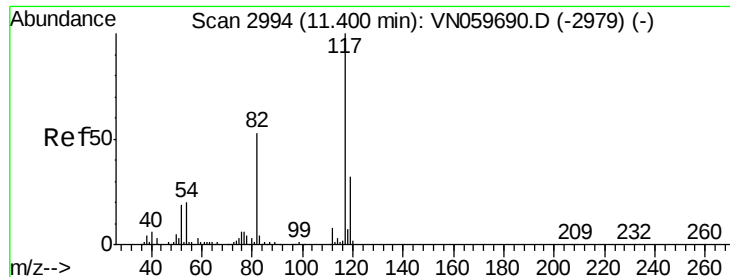
Ion Ratio Lower Upper

95 100

174 84.7 0.0 151.4

176 83.0 0.0 146.0





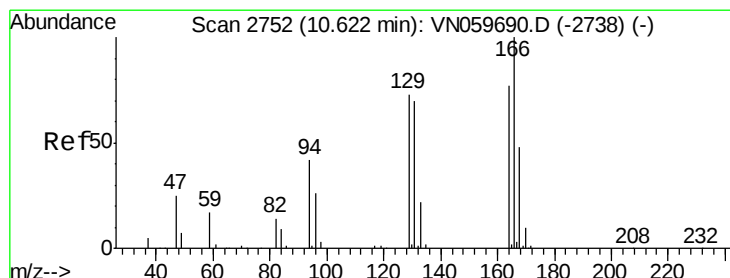
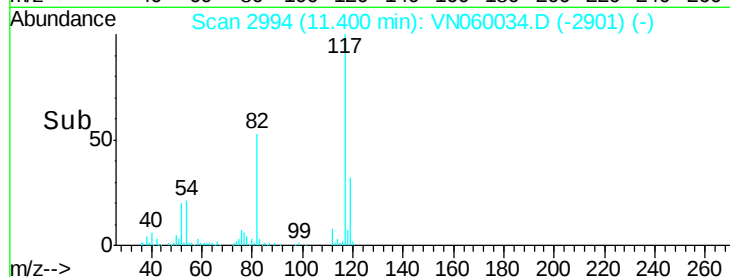
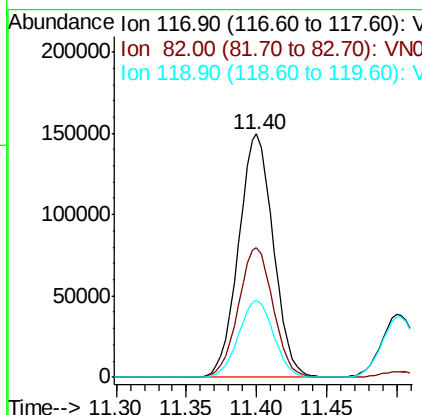
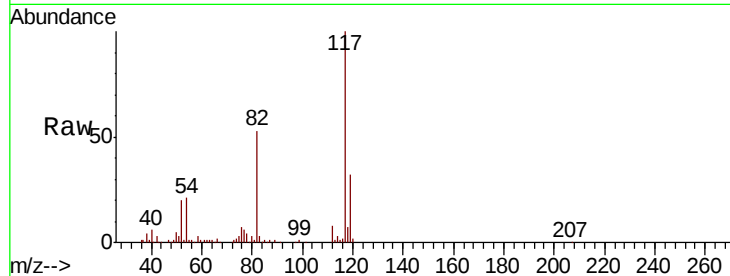
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.5	45.9	68.9
119	31.8	25.5	38.3

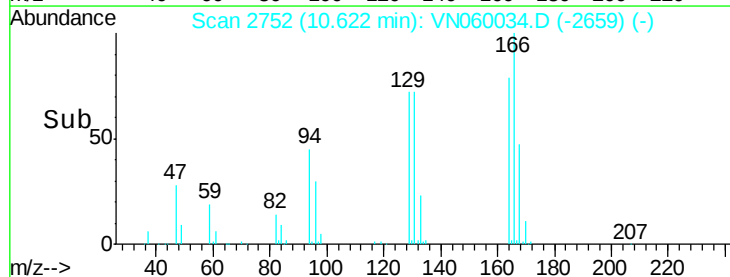
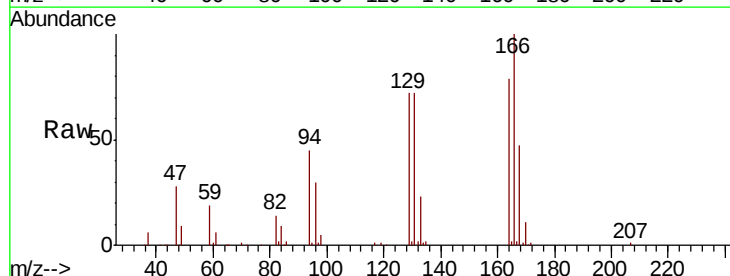
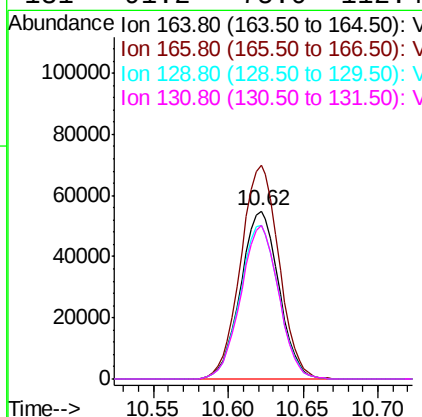
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#64
Tetrachloroethene
Concen: 46.524 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.2	101.4	152.0
129	91.8	80.2	120.4
131	91.2	75.0	112.4





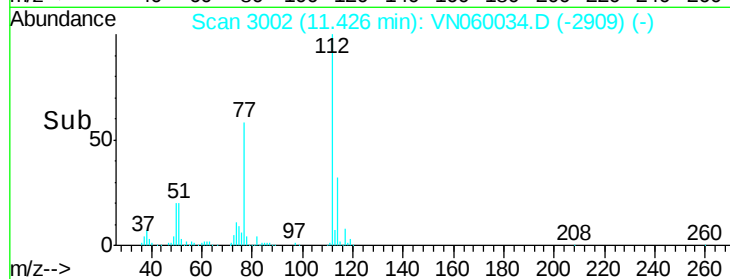
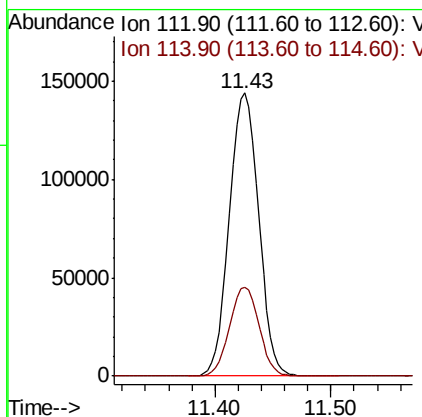
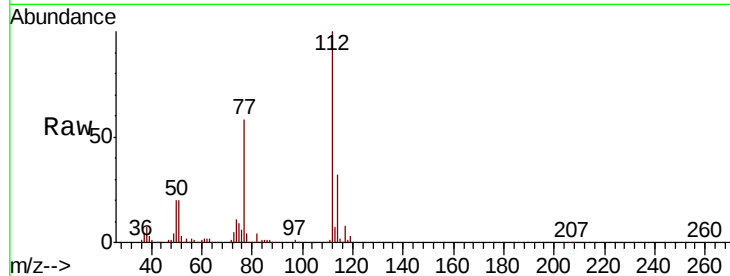
#65
Chlorobenzene
Concen: 49.724 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.8

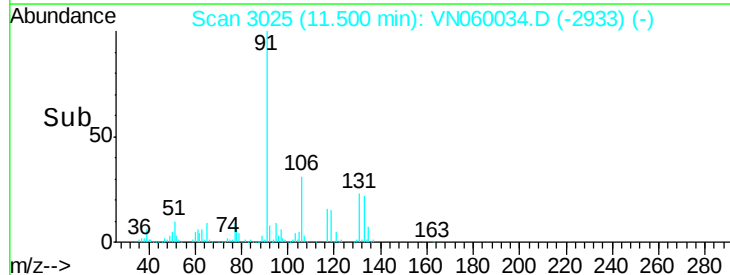
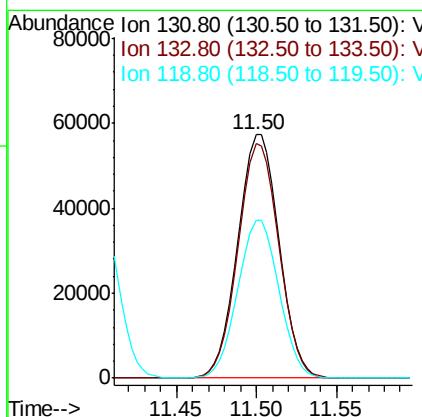
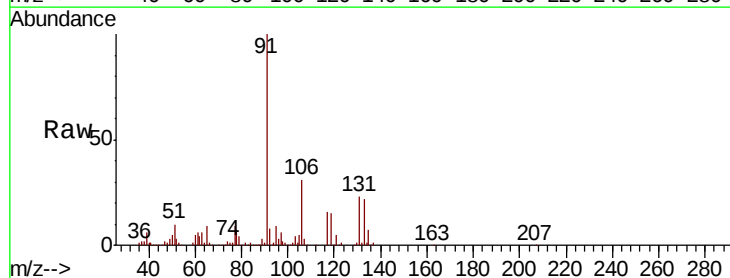
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.594 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.4	142.2
119	64.9	33.1	99.3





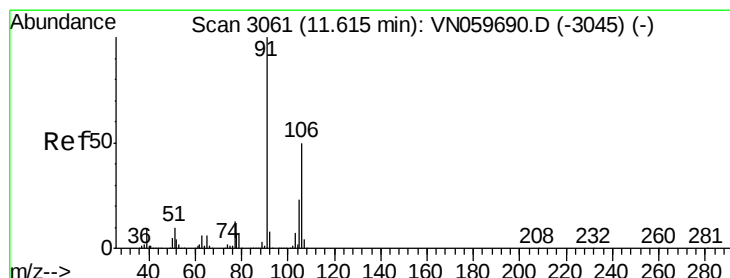
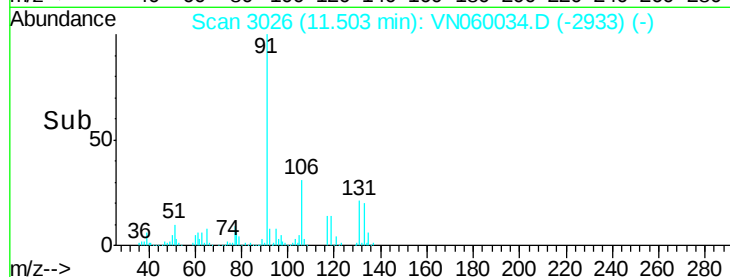
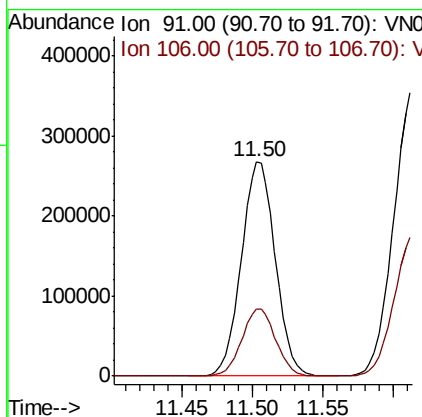
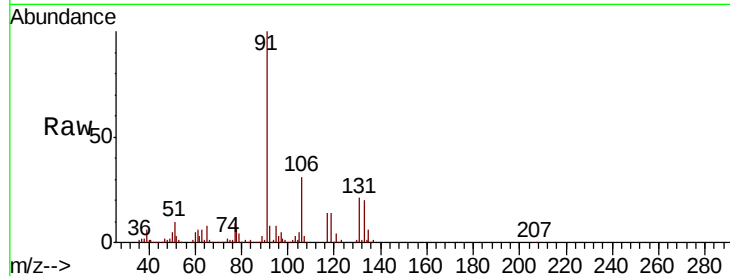
#67
Ethyl Benzene
Concen: 49.201 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 452129
Ion Ratio Lower Upper
91 100
106 31.4 24.1 36.1

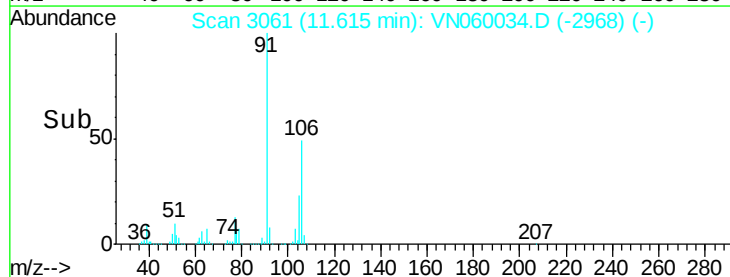
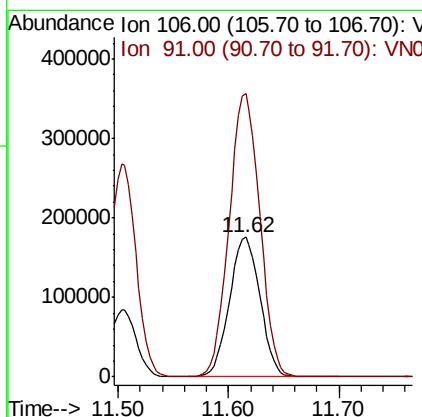
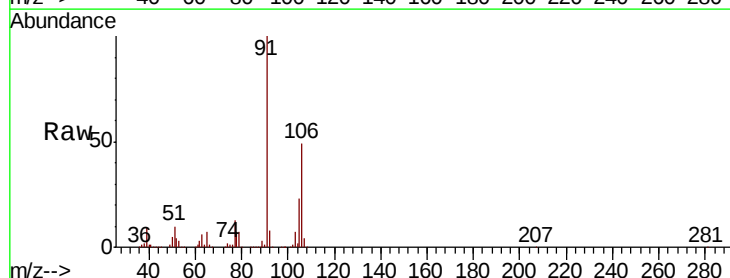
Manual Integrations
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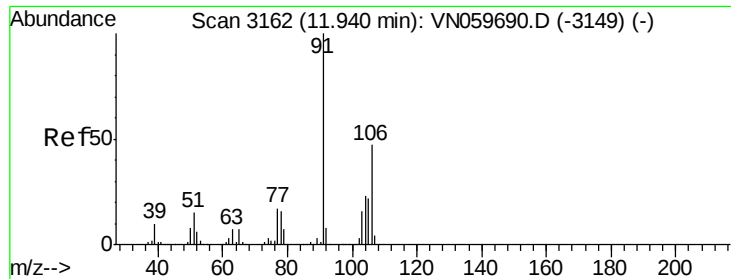
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#68
m/p-Xylenes
Concen: 97.259 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion: 106 Resp: 337608
Ion Ratio Lower Upper
106 100
91 203.4 167.9 251.9





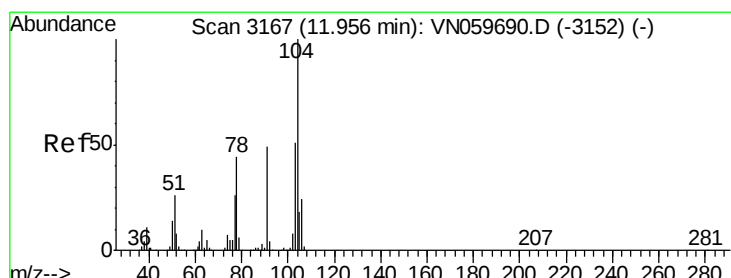
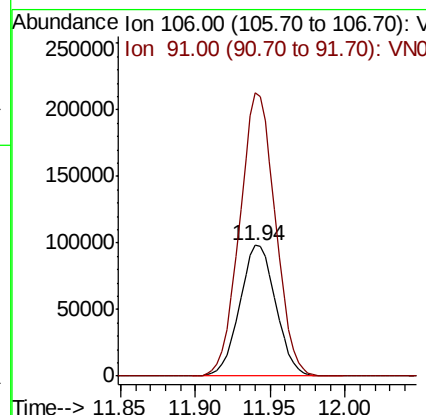
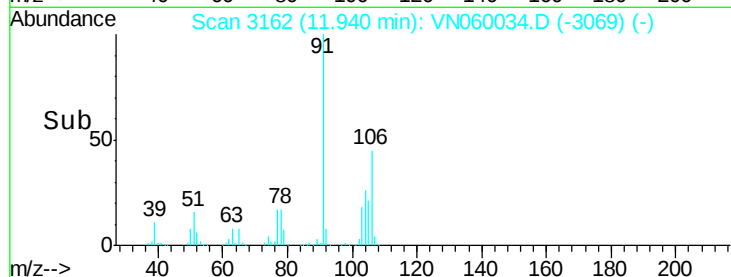
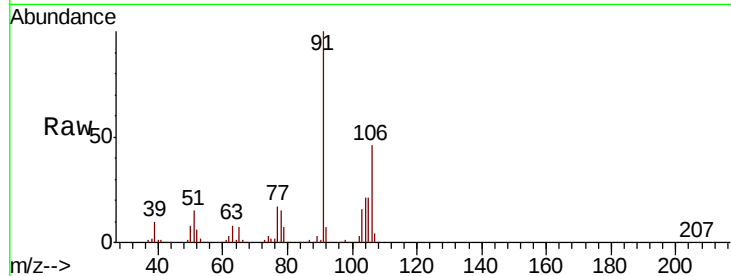
#69
o-Xylene
Concen: 48.456 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	110.3	330.9

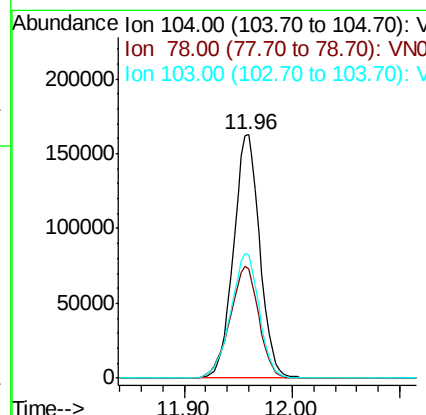
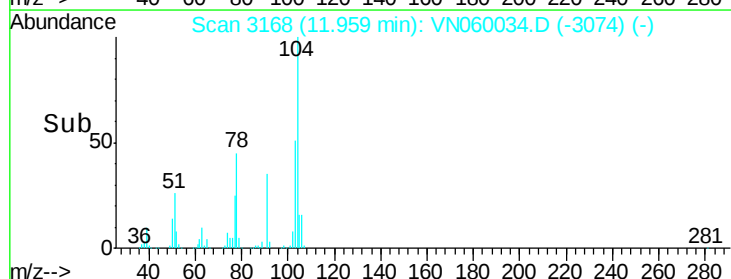
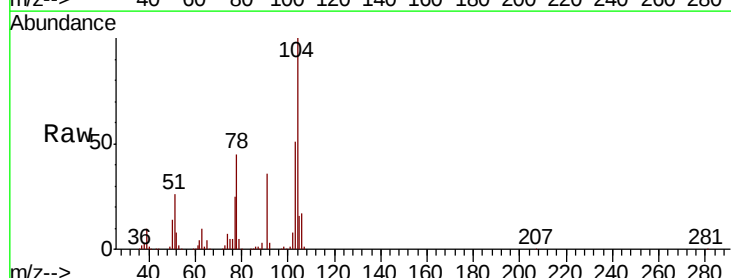
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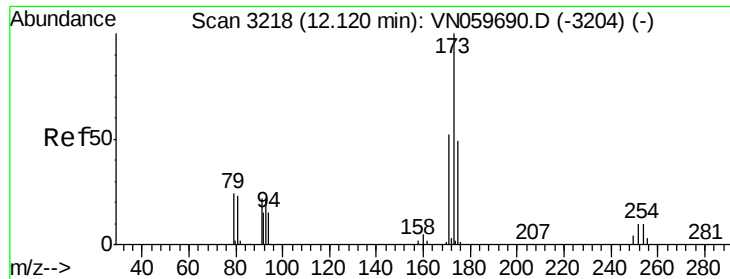
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#70
Styrene
Concen: 48.547 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.3	42.4	63.6
103	55.5	43.9	65.9





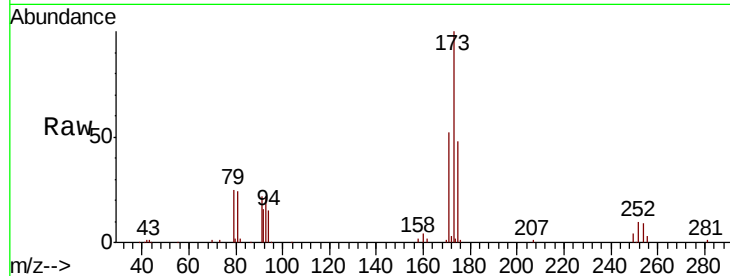
#71
Bromoform
Concen: 52.283 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.8	71.4
254	0.0	0.0	0.0

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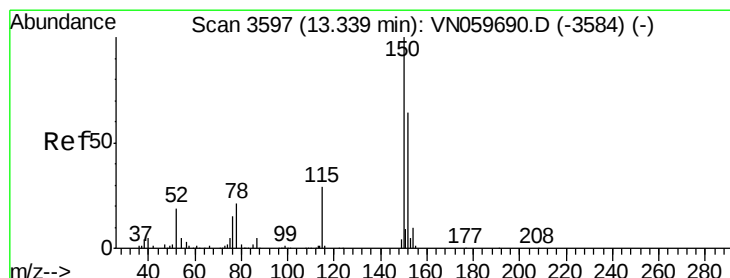
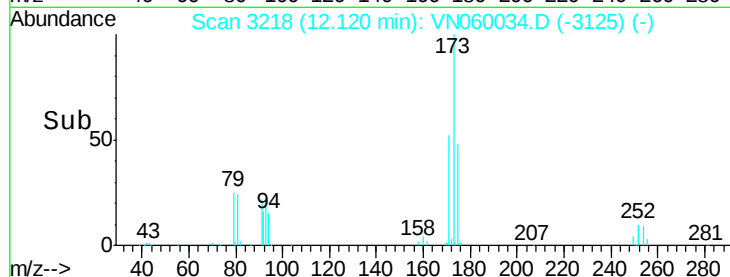
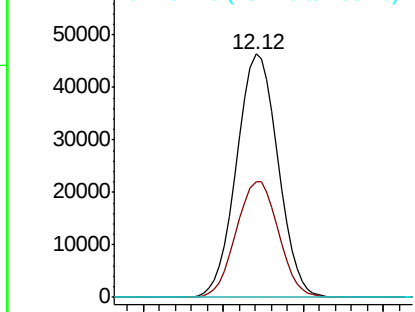


Abundance

Ion 172.70 (172.40 to 173.40): V

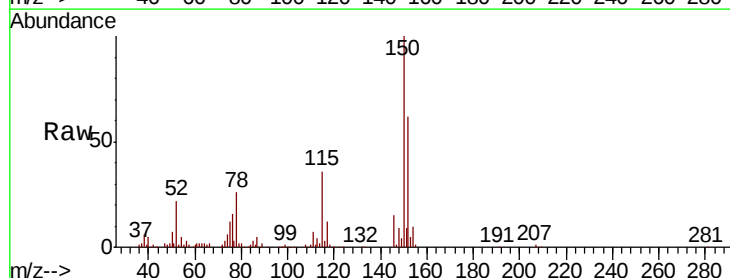
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	30.3	90.9
150	175.7	0.0	345.2

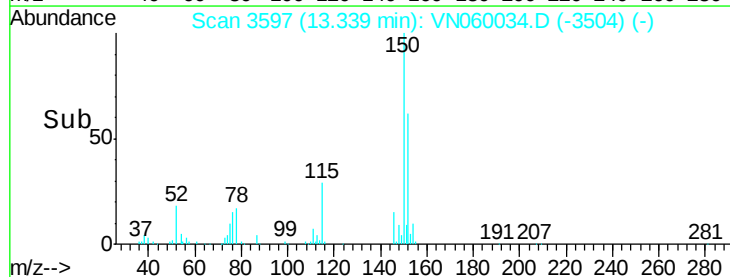
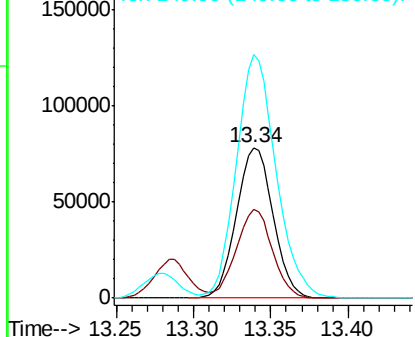


Abundance

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: 48.236 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 455445

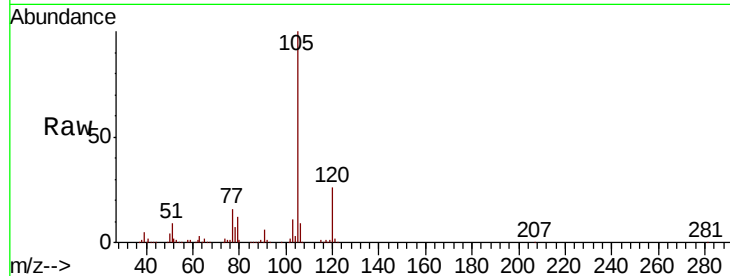
Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.5

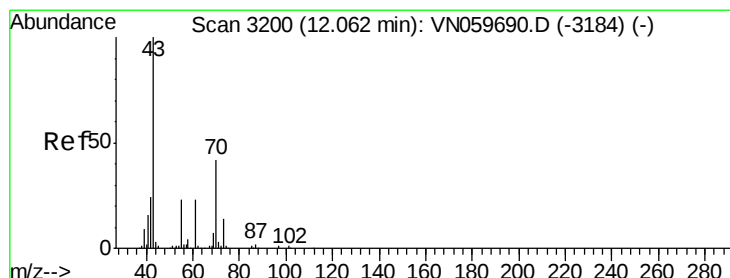
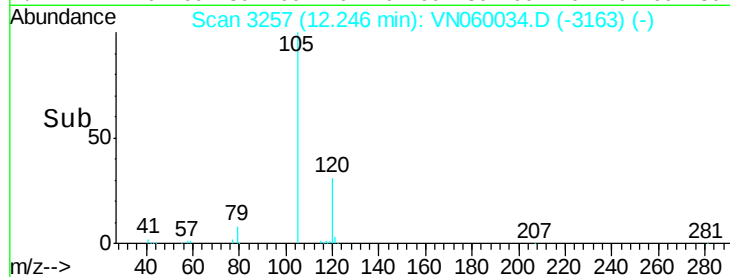
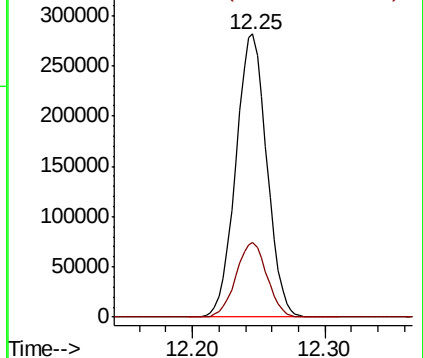
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.400 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion: 43 Resp: 169998

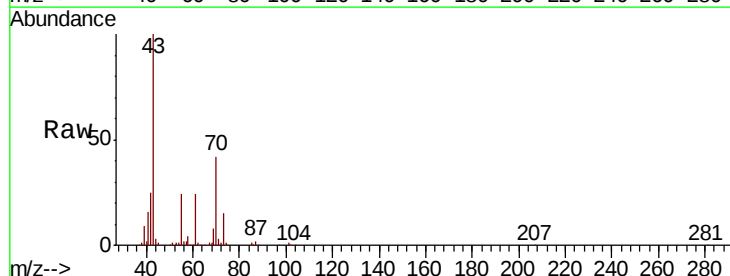
Ion Ratio Lower Upper

43 100

70 42.2 31.3 46.9

55 24.0 19.8 29.6

61 24.0 18.3 27.5

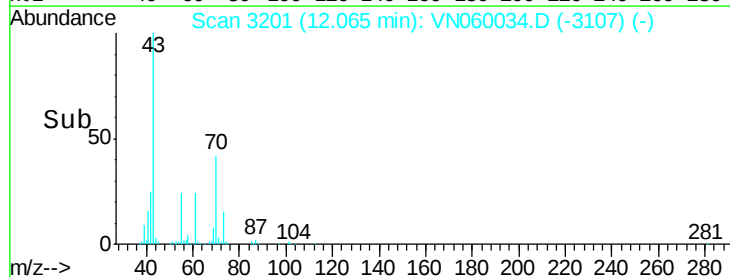
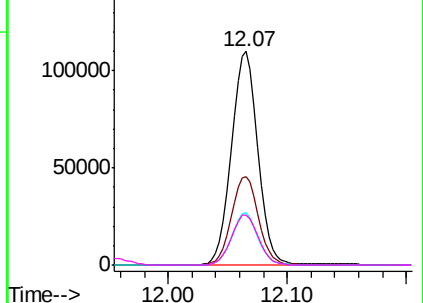


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 48.891 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

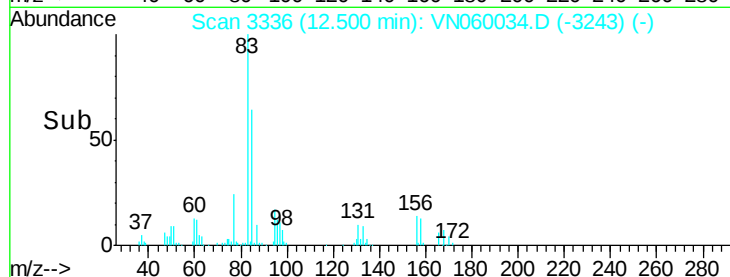
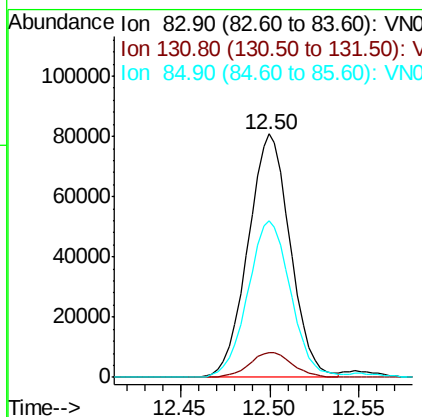
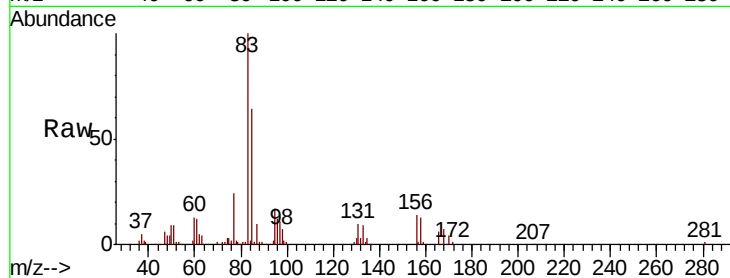
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	133825
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	65.2	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 52.011 ug/l m

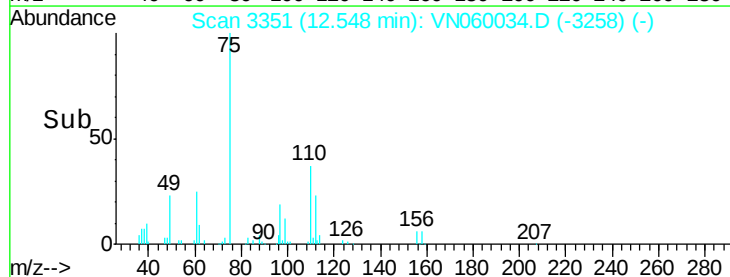
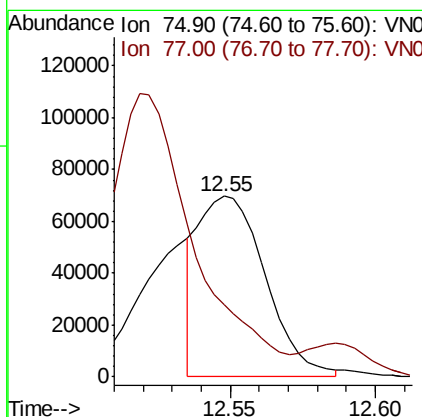
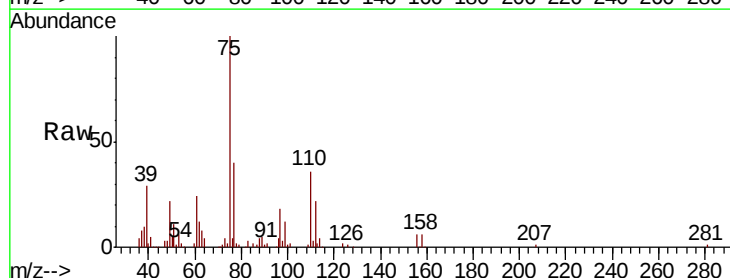
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	75	Resp:	112687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.534 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

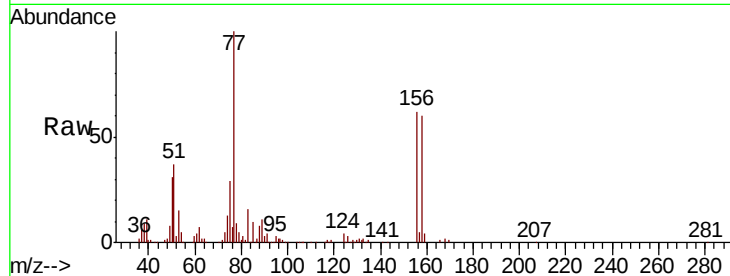
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	113657
Ion Ratio	Lower	Upper	
156	100		
77	198.7	115.8	347.4
158	97.0	49.2	147.6

Manual Integrations
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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

150000

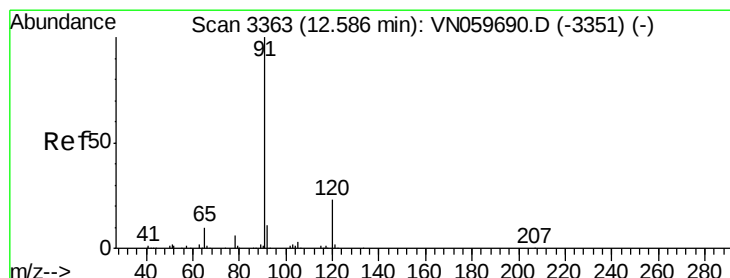
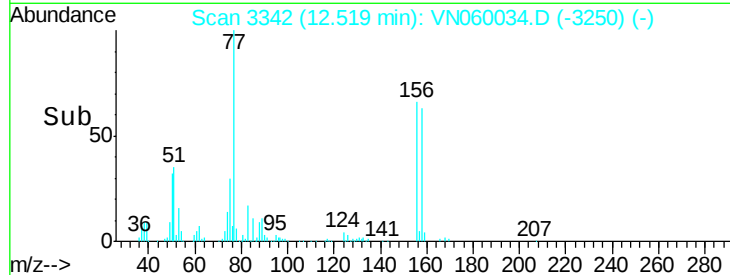
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 48.961 ug/l

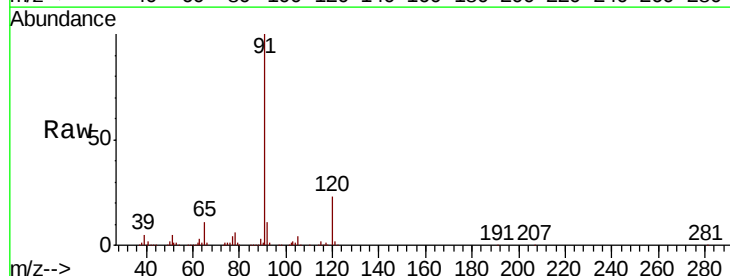
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	91	Resp:	518875
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

300000

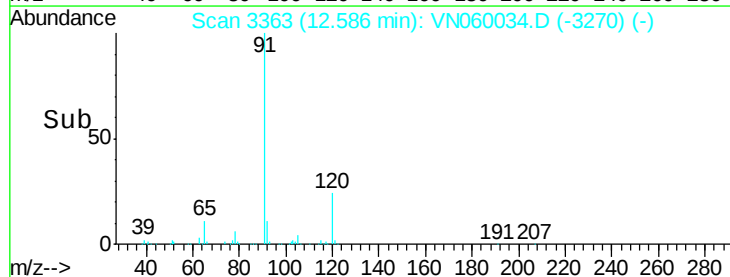
200000

100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 47.902 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 302000

Ion Ratio Lower Upper

91 100

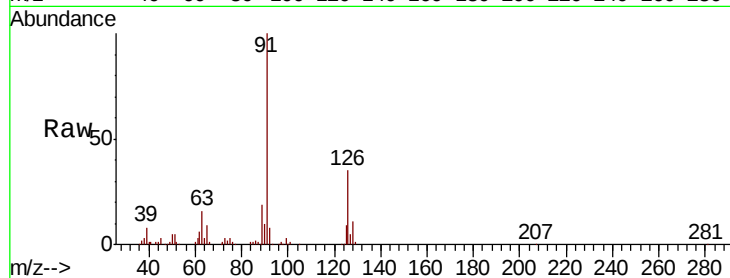
126 35.3 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN060034.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060034.D (-3296) (-)

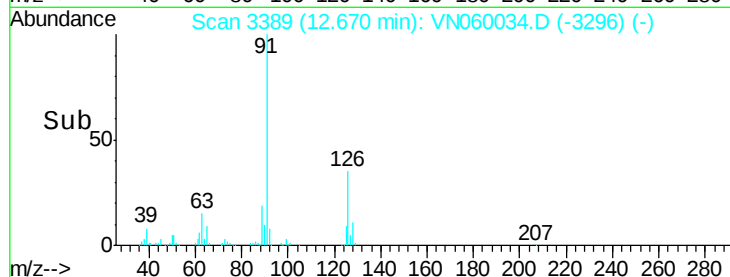
300000

200000

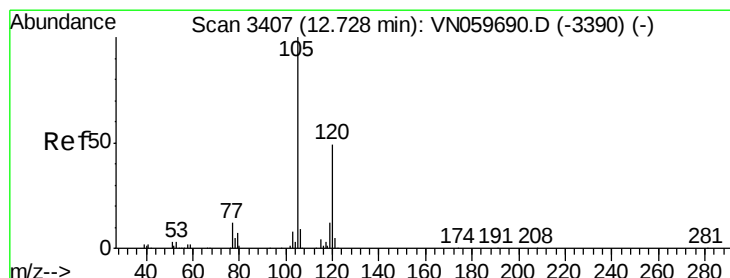
100000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.036 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060034.D

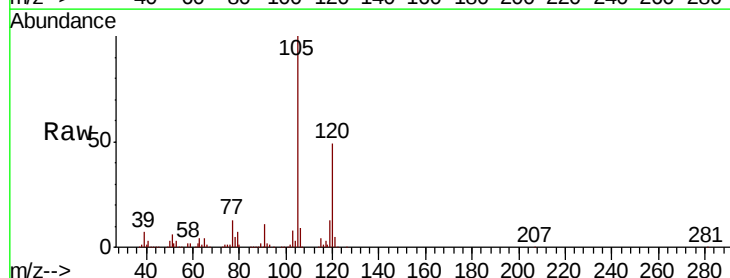
Acq: 10 Feb 2020 9:57

Tgt Ion: 105 Resp: 381441

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060034.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060034.D (-3314) (-)

250000

200000

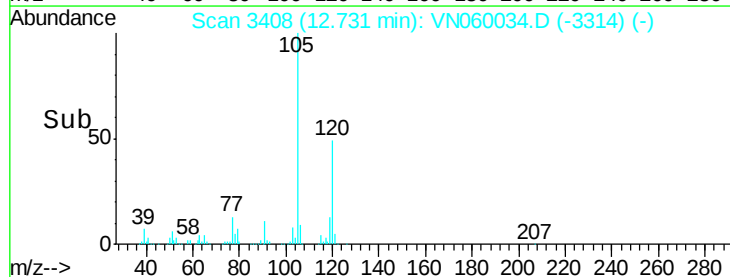
150000

100000

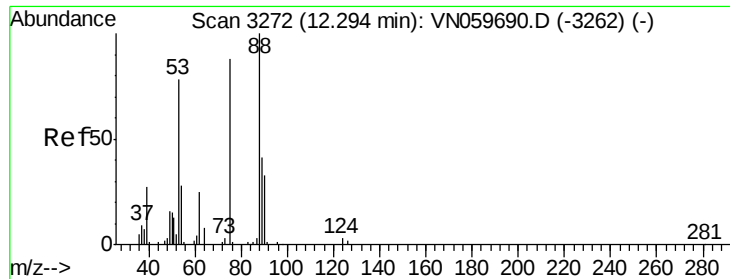
50000

0

12.70 12.80



Time-->



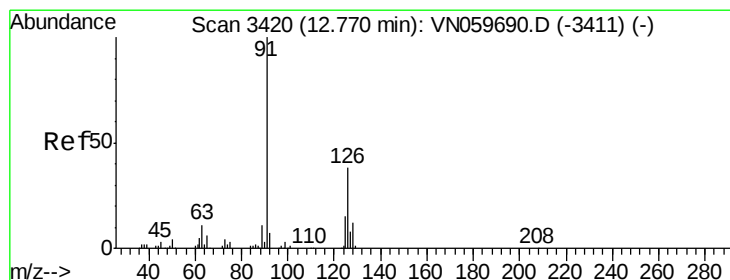
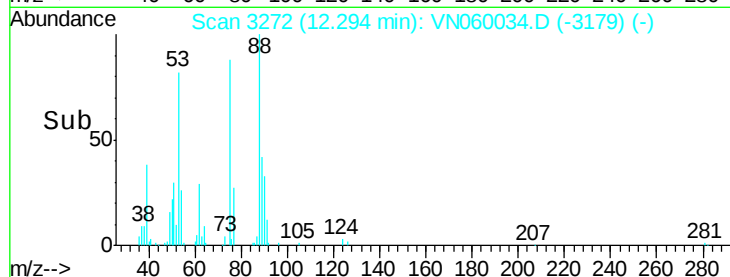
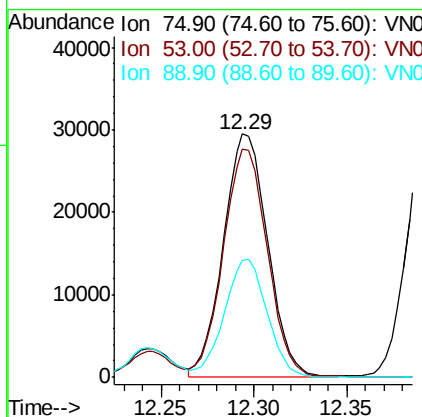
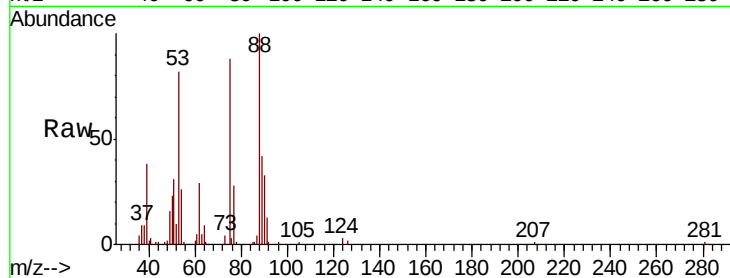
#81
trans-1,4-Dichloro-2-butene
Concen: 48.819 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.3	78.1	117.1
89	46.6	35.4	53.2

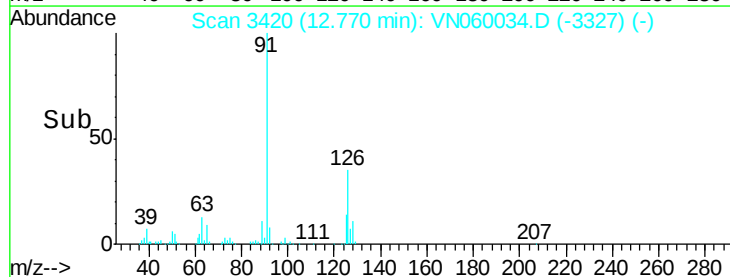
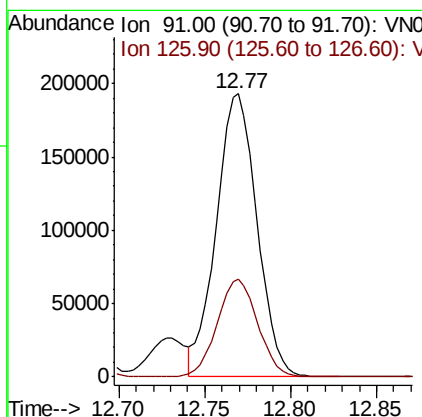
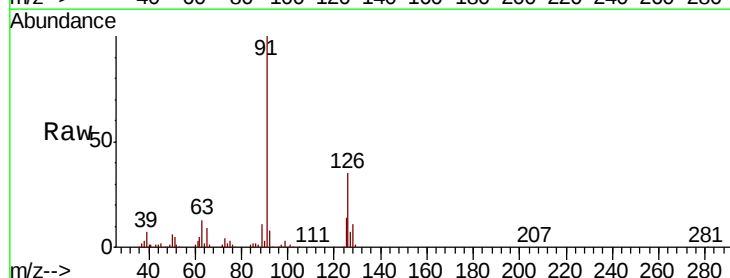
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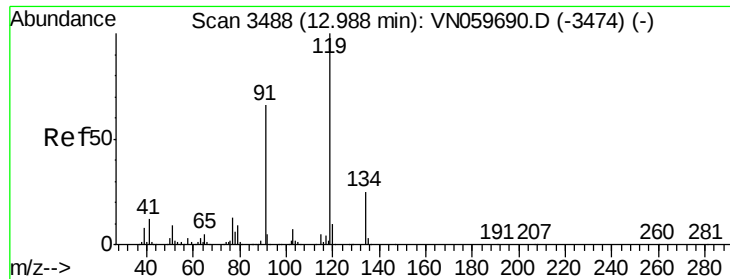
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#82
4-Chlorotoluene
Concen: 50.098 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.3	48.8





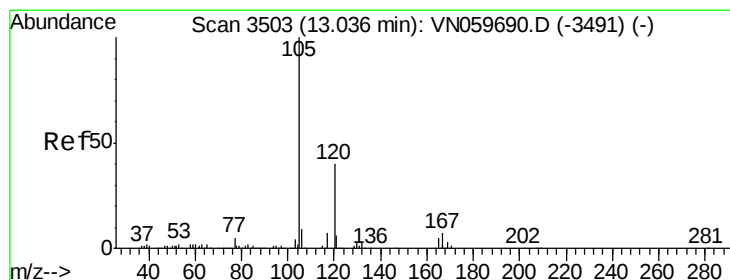
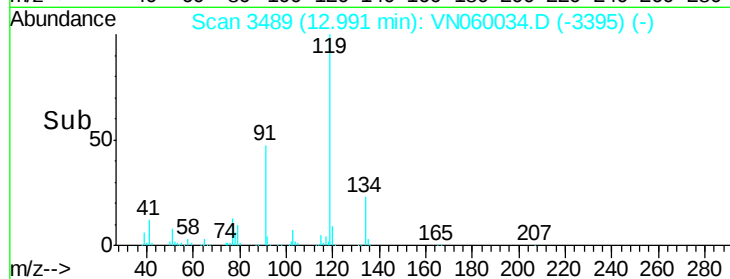
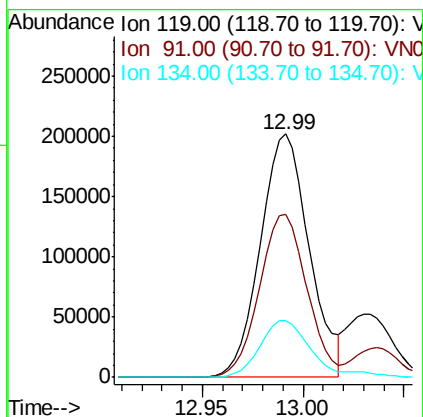
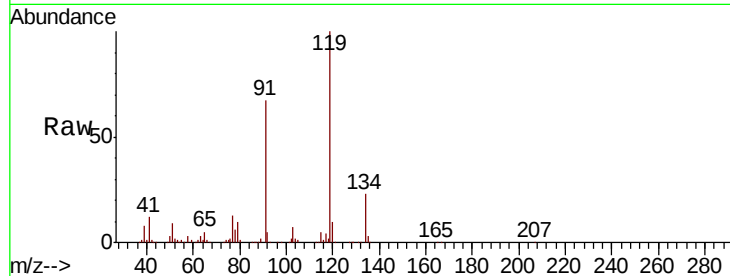
#83
tert-Butylbenzene
Concen: 49.544 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	34.8	104.4
134	24.8	12.3	36.9

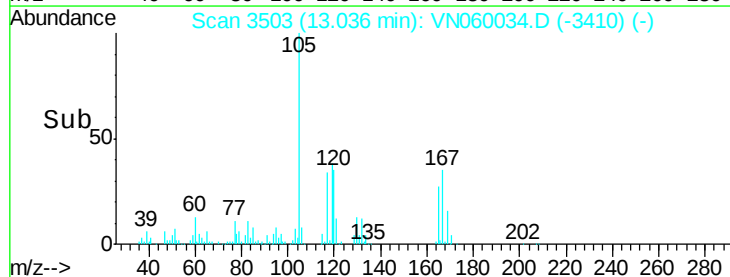
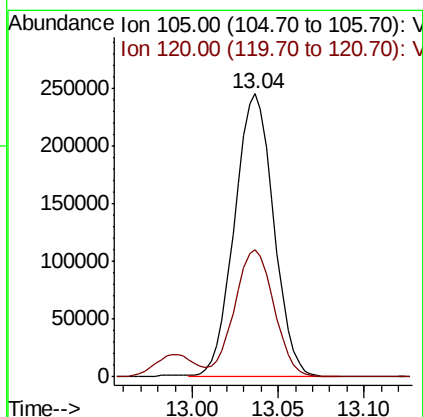
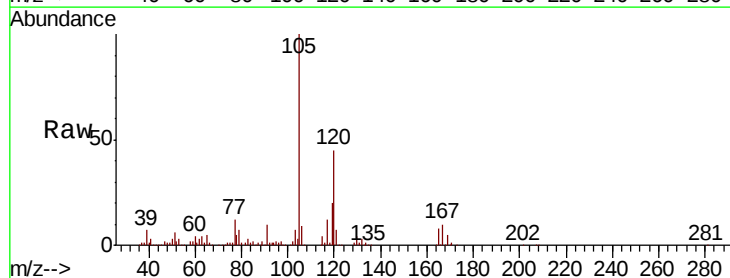
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#84
1,2,4-Trimethylbenzene
Concen: 49.209 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.3	66.9





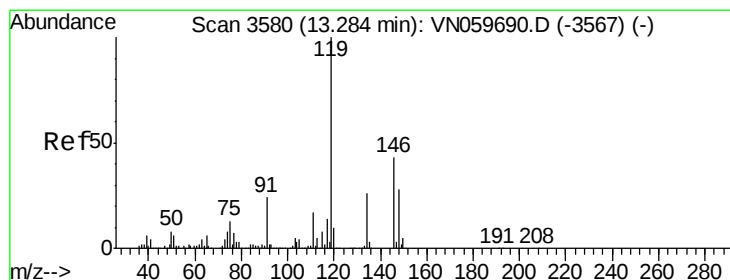
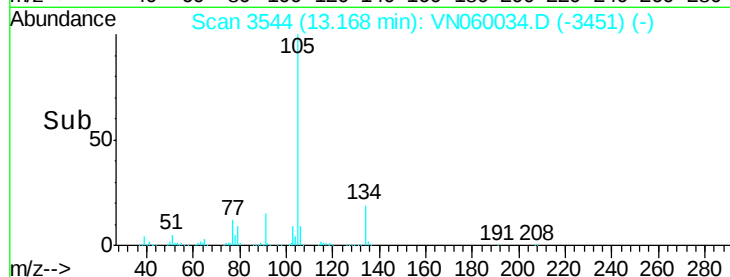
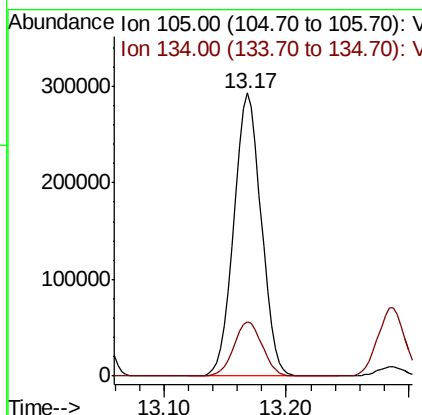
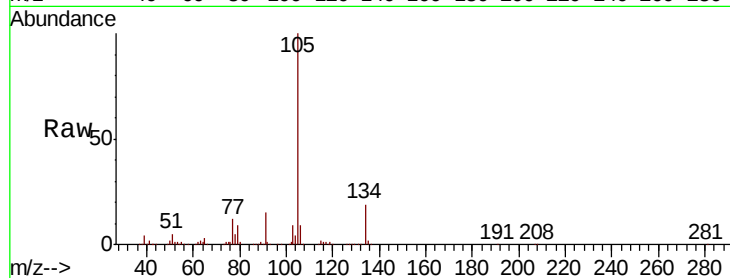
#85
 sec-Butylbenzene
 Concen: 50.542 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	456048		
134	19.8	9.8	29.5	

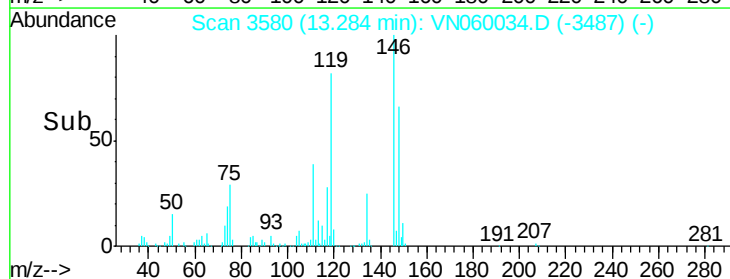
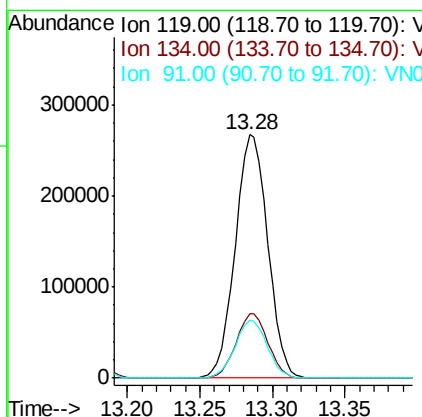
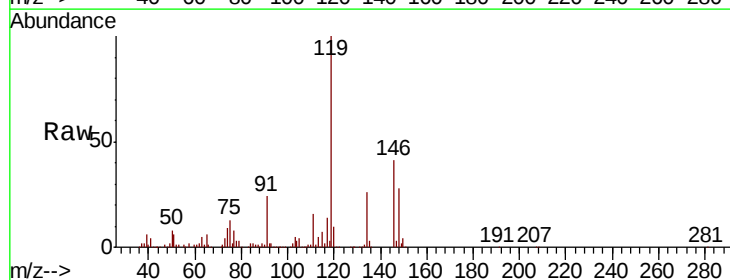
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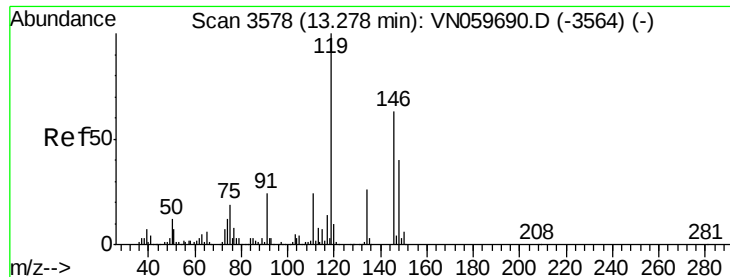
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#86
 p-Isopropyltoluene
 Concen: 49.693 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	414892		
134	26.2	12.9	38.7	
91	23.8	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 49.627 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060034.D

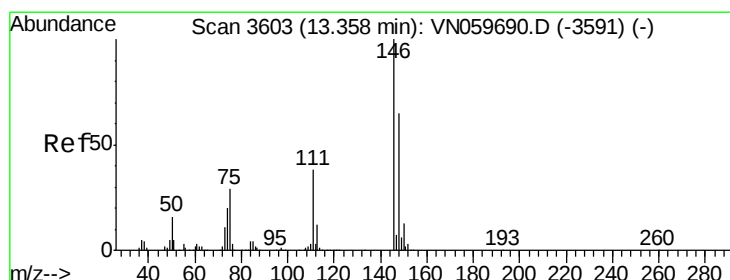
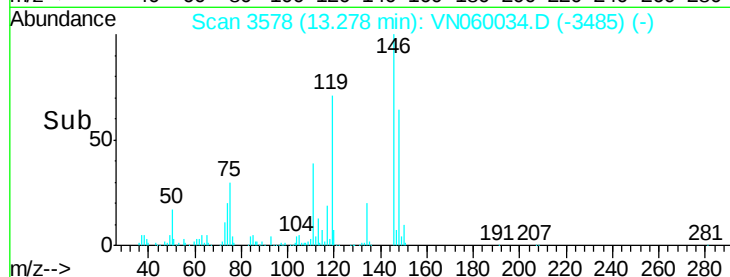
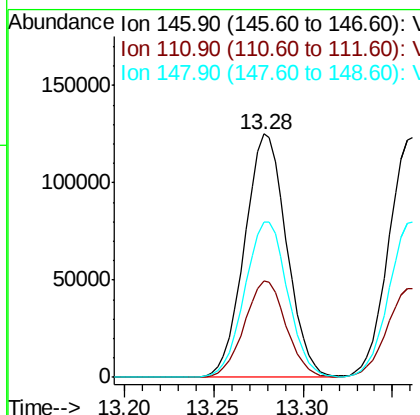
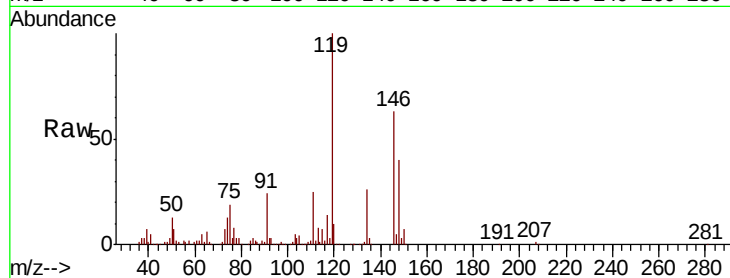
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	65.0	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 49.745 ug/l

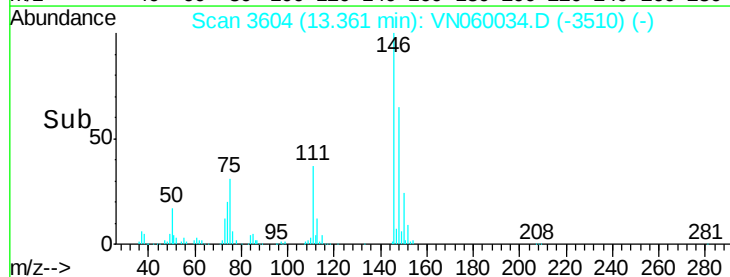
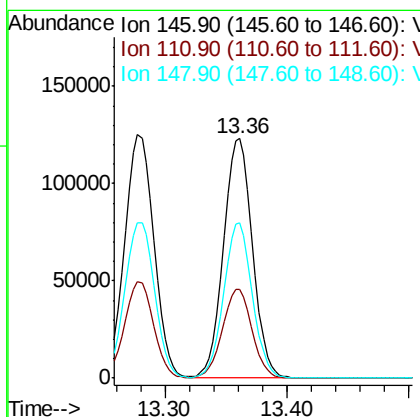
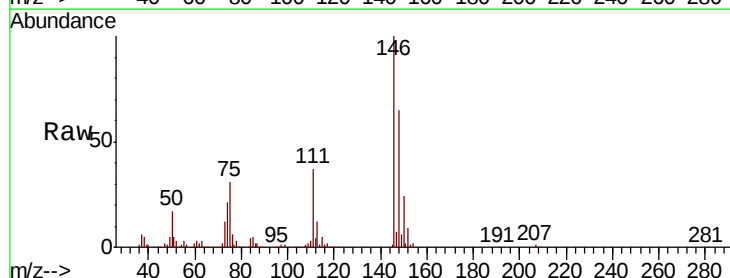
RT: 13.36 min Scan# 3604

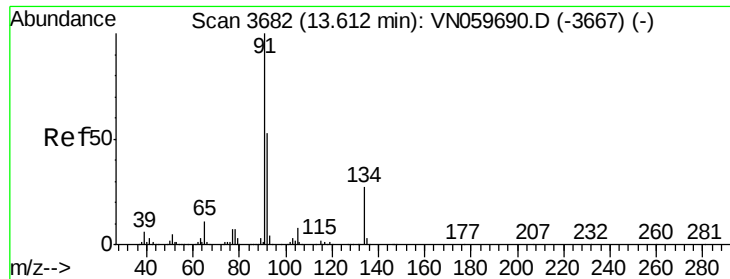
Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.8	62.2
148	63.3	31.8	95.4





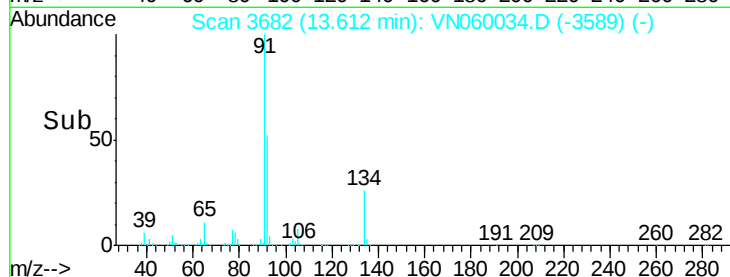
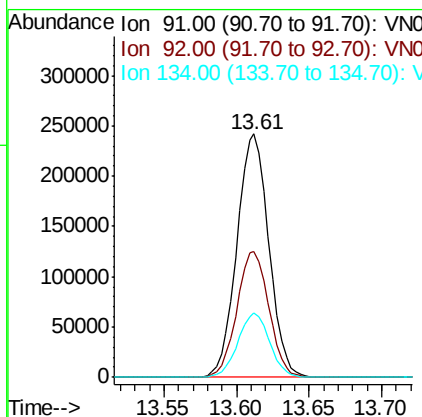
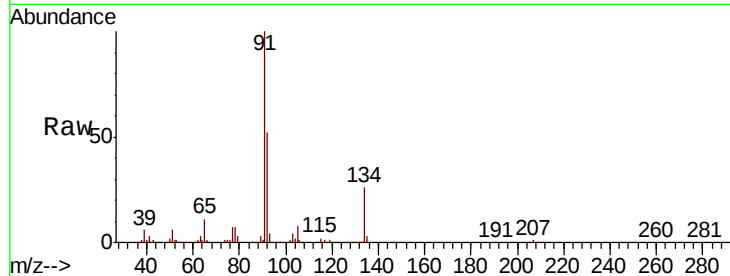
#89
n-Butylbenzene
Concen: 51.933 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	26.2	12.3	36.8

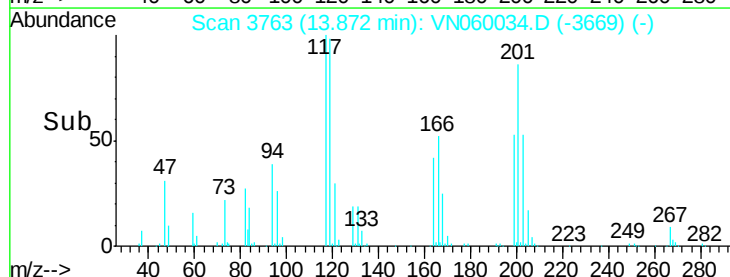
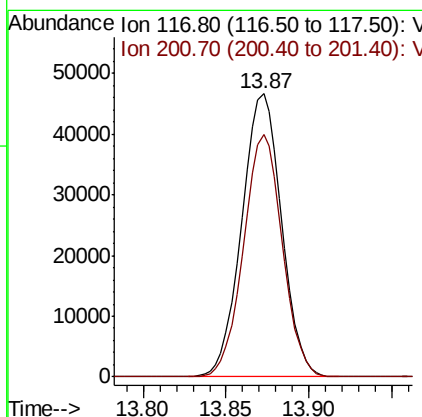
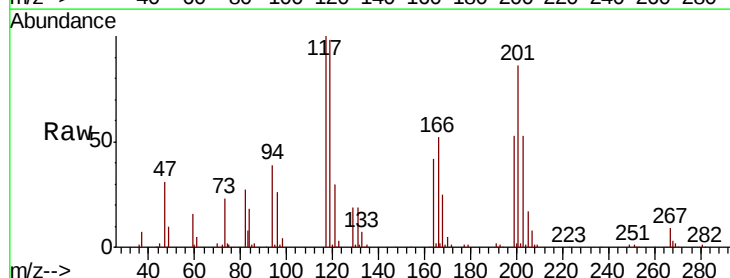
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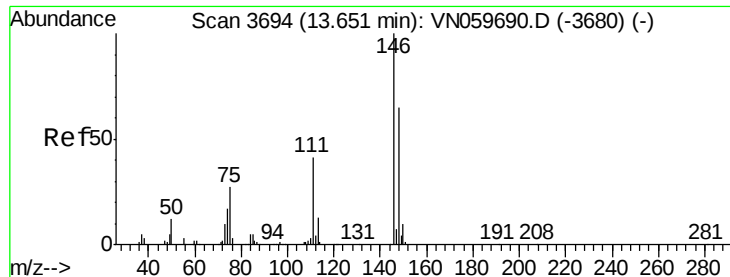
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#90
Hexachloroethane
Concen: 49.974 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060034.D
Acq: 10 Feb 2020 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 49.363 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

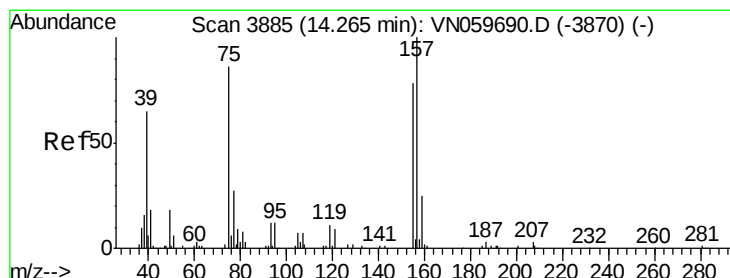
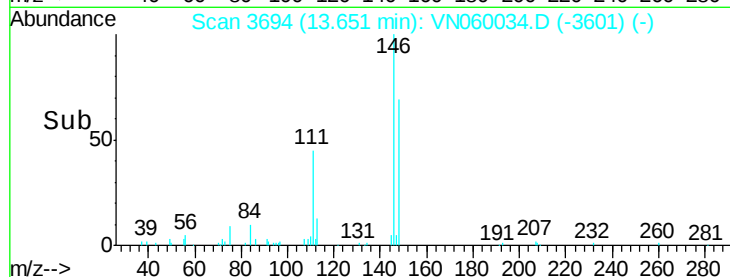
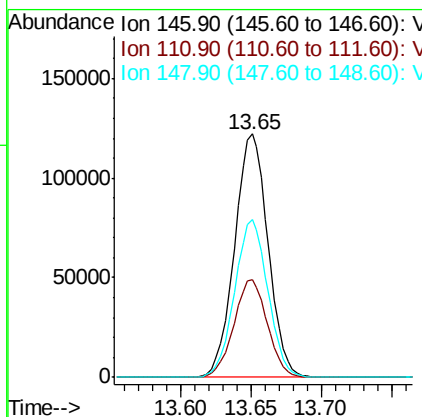
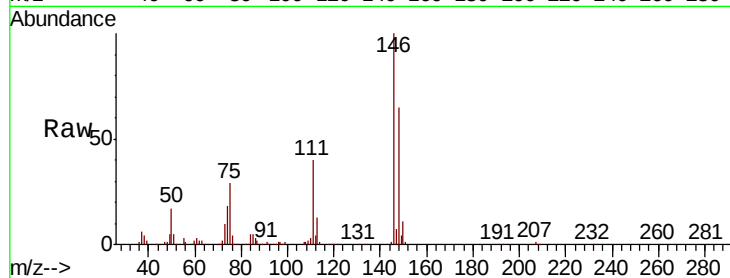
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	202691
Ion Ratio		Lower	Upper
146	100		
111	40.2	21.6	64.8
148	64.6	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.839 ug/l

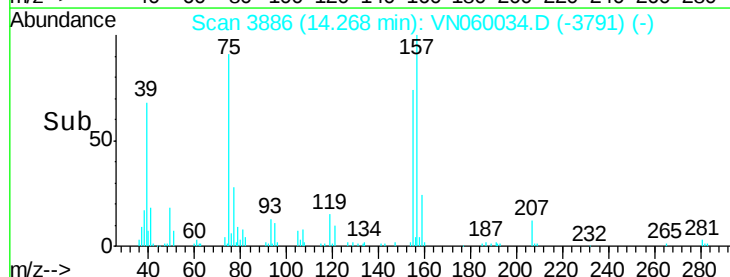
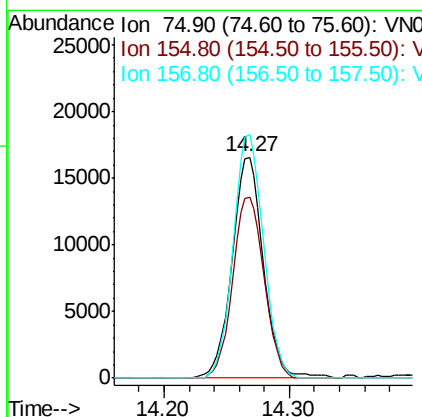
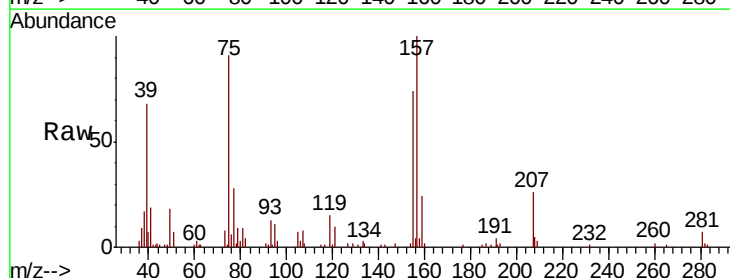
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	75	Resp:	28722
Ion Ratio		Lower	Upper
75	100		
155	81.7	37.0	110.9
157	106.7	48.4	145.2





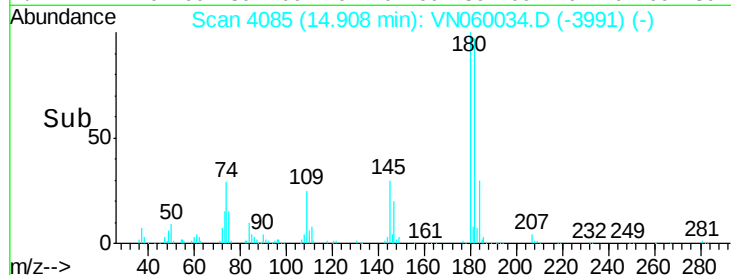
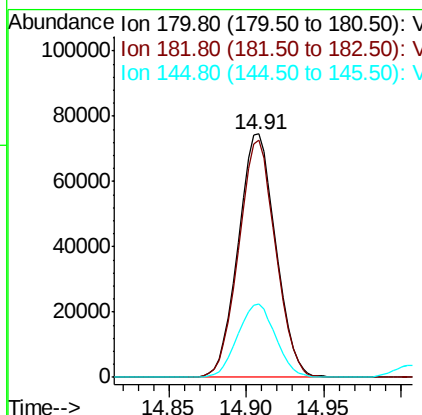
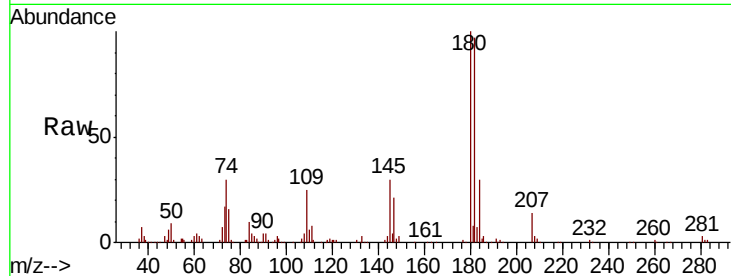
#93
 1,2,4-Trichlorobenzene
 Concen: 50.894 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	125570
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.9	140.7
145	30.4	15.0	45.1

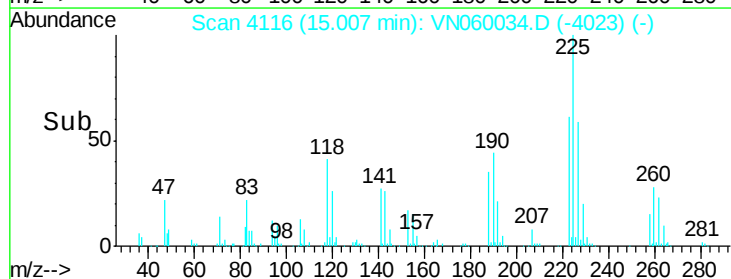
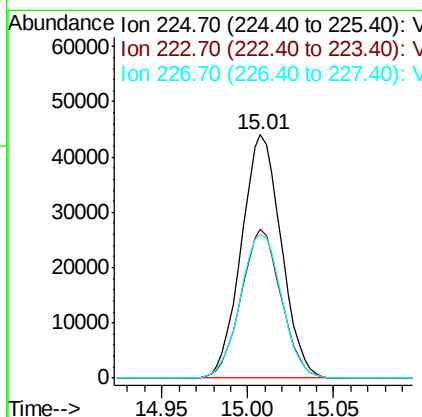
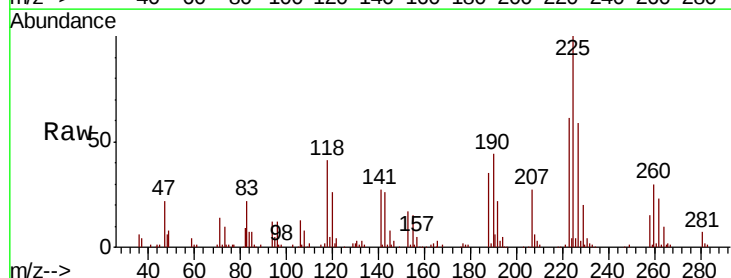
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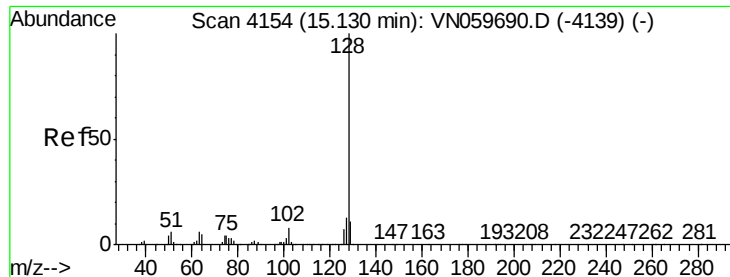
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#94
 Hexachlorobutadiene
 Concen: 52.078 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060034.D
 Acq: 10 Feb 2020 9:57

Tgt Ion:	225	Resp:	70807
Ion Ratio	Lower	Upper	
225	100		
223	61.2	31.8	95.3
227	61.2	32.1	96.5





#95

Naphthalene

Concen: 45.684 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Instrument :

MSVOA_N

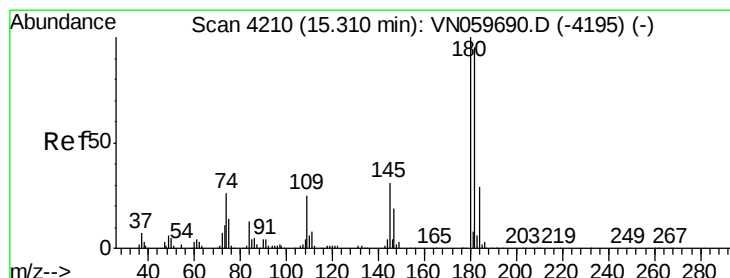
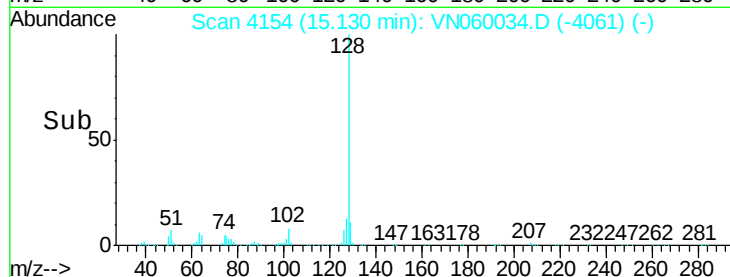
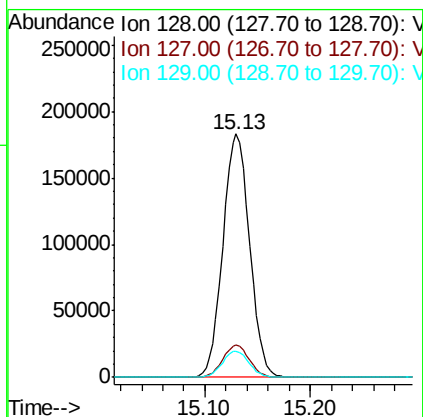
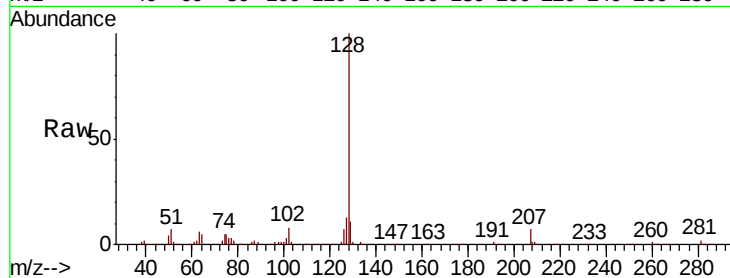
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	320606
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/11/2020 11:03:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.021 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060034.D

Acq: 10 Feb 2020 9:57

Tgt Ion:	180	Resp:	120128
Ion Ratio		Lower	Upper
180	100		
182	93.7	47.4	142.3
145	31.6	16.3	48.9

