

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060512.D
 Acq On : 13 Mar 2020 18:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 3/16/2020 2:04:55 PM

Quant Time: Mar 16 09:21:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	330173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123940	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.57	113	92913	60.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.26%	
50) Toluene-d8	10.08	98	368472	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	142967	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	68124	38.029	ug/l	100
3) Chloromethane	2.04	50	131431	42.141	ug/l	100
4) Vinyl Chloride	2.16	62	103921	38.852	ug/l	100
5) Bromomethane	2.54	94	43092	39.521	ug/l	99
6) Chloroethane	2.68	64	62317	43.001	ug/l	99
7) Trichlorofluoromethane	3.00	101	144938	42.412	ug/l	99
8) Diethyl Ether	3.38	74	59701	46.269	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84559	43.721	ug/l	100
10) Methyl Iodide	3.93	142	56199	31.839	ug/l	100
11) Tert butyl alcohol	4.72	59	89672	240.905	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84368	44.938	ug/l	99
13) Acrolein	3.58	56	94041	270.811	ug/l	99
14) Allyl chloride	4.29	41	151834	43.870	ug/l	96
15) Acrylonitrile	4.94	53	262600	267.651	ug/l	99
16) Acetone	3.78	43	212939	263.041	ug/l	100
17) Carbon Disulfide	4.03	76	201711	40.358	ug/l	100
18) Methyl Acetate	4.28	43	138660	51.326	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	329954	48.414	ug/l	97
20) Methylene Chloride	4.52	84	102062	45.907	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	90139	44.649	ug/l	96
22) Diisopropyl ether	5.92	45	360808	51.466	ug/l	99
23) Vinyl Acetate	5.86	43	1421168	255.110	ug/l	99
24) 1,1-Dichloroethane	5.82	63	193065	48.650	ug/l	99
25) 2-Butanone	6.80	43	351867	269.098	ug/l	100
26) 2,2-Dichloropropane	6.80	77	150634	41.695	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112819	43.763	ug/l	98
28) Bromochloromethane	7.17	49	79347	48.698	ug/l	94
29) Tetrahydrofuran	7.18	42	235103	258.565	ug/l	97
30) Chloroform	7.35	83	190231	48.154	ug/l	99
31) Cyclohexane	7.63	56	157928	46.542	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	162801	46.512	ug/l	100
36) 1,1-Dichloropropene	7.77	75	135967	43.209	ug/l	100
37) Ethyl Acetate	6.90	43	150797	50.611	ug/l	99
38) Carbon Tetrachloride	7.75	117	129615	42.307	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149581	40.317	ug/l	98
40) Benzene	8.02	78	413726	45.173	ug/l	98
41) Methacrylonitrile	7.15	41	73518m	53.438	ug/l	
42) 1,2-Dichloroethane	8.10	62	151210	45.752	ug/l	99
43) Isopropyl Acetate	8.14	43	260433	49.928	ug/l	99
44) Trichloroethene	8.82	130	106983	41.942	ug/l	100
45) 1,2-Dichloropropane	9.10	63	116287	48.563	ug/l	99
46) Dibromomethane	9.19	93	70957	45.668	ug/l	98
47) Bromodichloromethane	9.39	83	152745	48.336	ug/l	99
48) Methyl methacrylate	9.18	41	115052	48.369	ug/l	98
49) 1,4-Dioxane	9.18	88	29087	869.558	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	770768	260.615	ug/l	99
52) Toluene	10.14	92	258979	45.015	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173208	44.732	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	182970	45.602	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	105141	45.445	ug/l	98
56) Ethyl methacrylate	10.42	69	168692	50.752	ug/l	97
57) 1,3-Dichloropropane	10.70	76	182768	48.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	412451	237.261	ug/l	98
59) 2-Hexanone	10.74	43	556600	256.325	ug/l	100
60) Dibromochloromethane	10.89	129	114469	48.652	ug/l	99
61) 1,2-Dibromoethane	10.99	107	105447	46.754	ug/l	97
64) Tetrachloroethene	10.62	164	101483	41.632	ug/l	99
65) Chlorobenzene	11.43	112	271797	43.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104690	45.549	ug/l	99
67) Ethyl Benzene	11.50	91	504458	44.562	ug/l	99
68) m/p-Xylenes	11.62	106	372905	87.310	ug/l	99
69) o-Xylene	11.94	106	181324	44.521	ug/l	100
70) Styrene	11.96	104	304663	45.498	ug/l	99
71) Bromoform	12.12	173	81878	49.429	ug/l #	100
73) Isopropylbenzene	12.24	105	492056	44.416	ug/l	100
74) N-amyl acetate	12.06	43	228624	47.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	156551	51.987	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	140493m	42.842	ug/l	
77) Bromobenzene	12.52	156	119852	44.135	ug/l	97
78) n-propylbenzene	12.59	91	575367	44.308	ug/l	99
79) 2-Chlorotoluene	12.67	91	344029	45.070	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	414156	44.402	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55603	46.806	ug/l #	84
82) 4-Chlorotoluene	12.77	91	354280	44.052	ug/l	99
83) tert-Butylbenzene	12.99	119	351399	43.513	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	417729	44.371	ug/l	99
85) sec-Butylbenzene	13.17	105	476582	44.070	ug/l	99
86) p-Isopropyltoluene	13.28	119	421614	42.123	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	215258	46.117	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	214905	46.293	ug/l	99
89) n-Butylbenzene	13.61	91	384300	41.825	ug/l	99
90) Hexachloroethane	13.87	117	62079	42.849	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	211044	44.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32268	47.318	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	132004	43.670	ug/l	99
94) Hexachlorobutadiene	15.01	225	62782	45.115	ug/l	99
95) Naphthalene	15.13	128	386888	43.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	123120	43.214	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195385

Ion Ratio Lower Upper

168 100

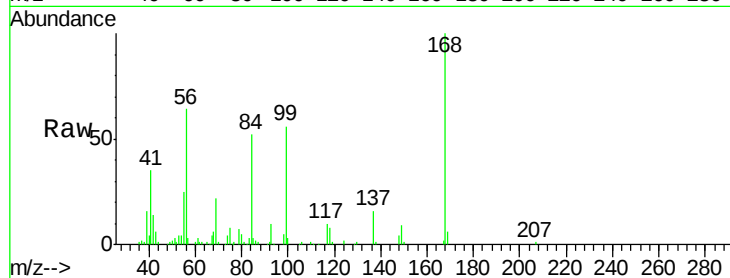
99 56.3 44.7 67.1

Manual Integrations

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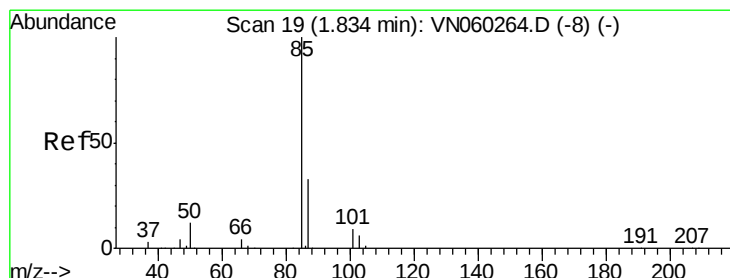
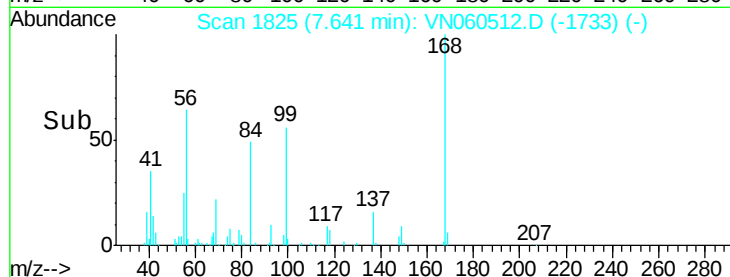
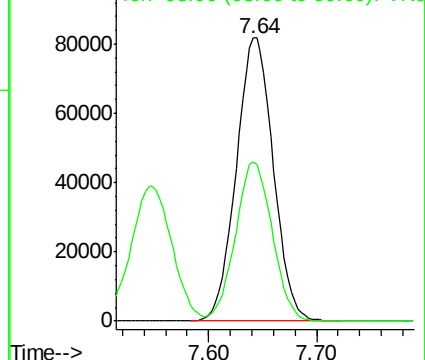
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 38.029 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060512.D

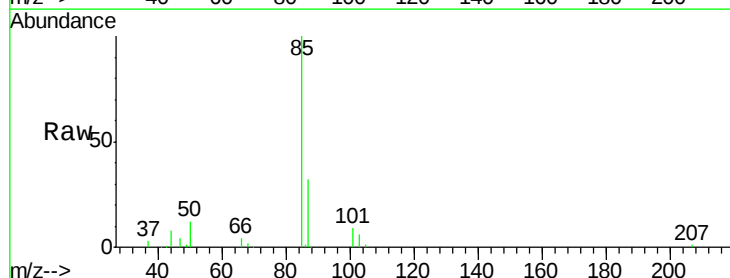
Acq: 13 Mar 2020 18:51

Tgt Ion: 85 Resp: 68124

Ion Ratio Lower Upper

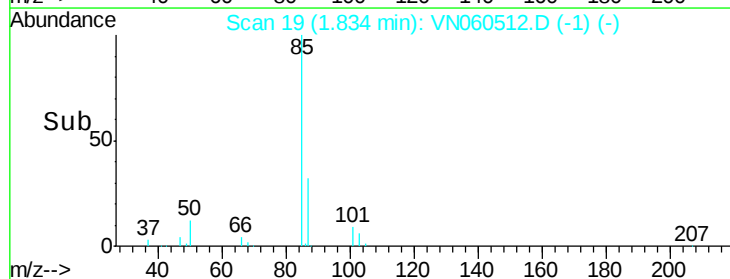
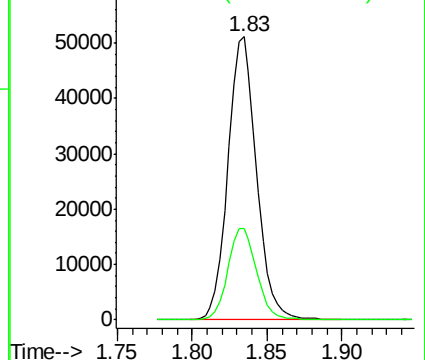
85 100

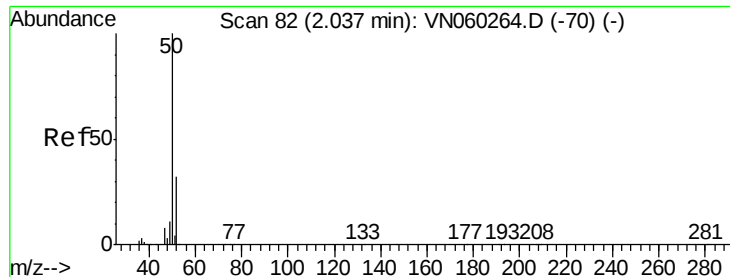
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.141 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 131431

Ion Ratio Lower Upper

50 100

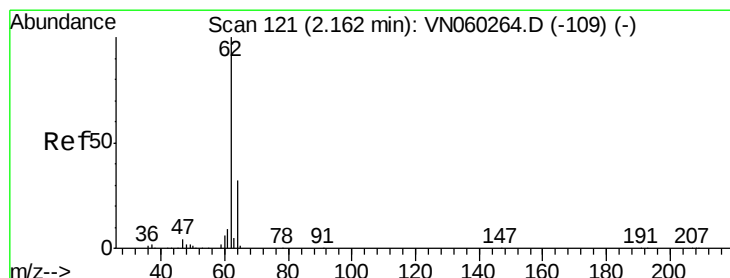
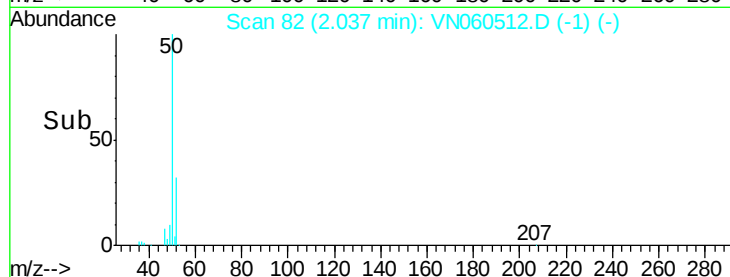
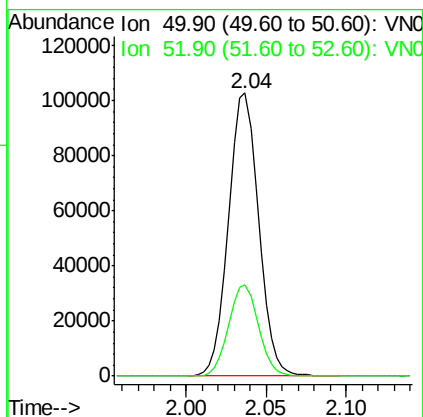
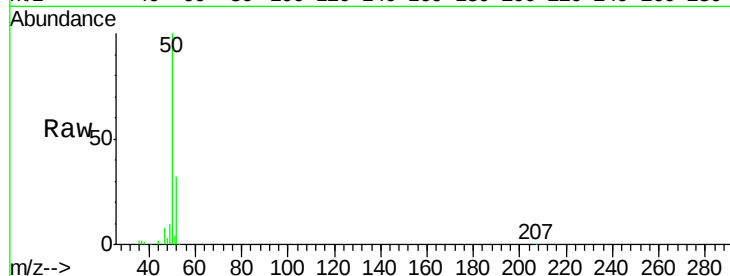
52 32.1 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 38.852 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060512.D

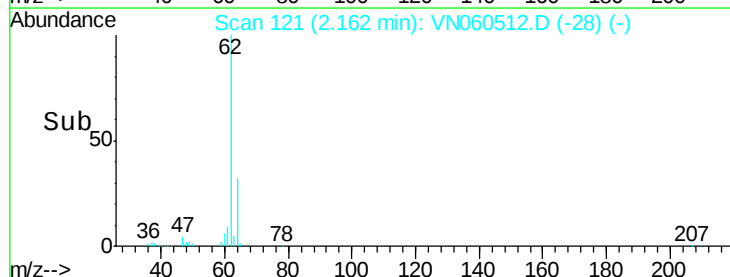
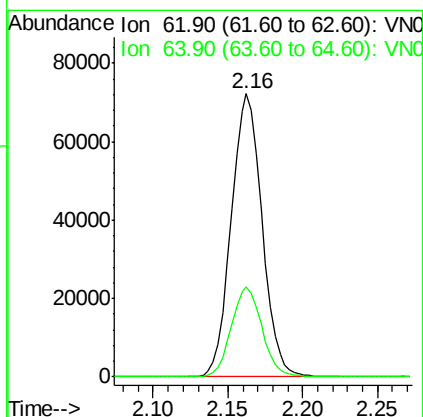
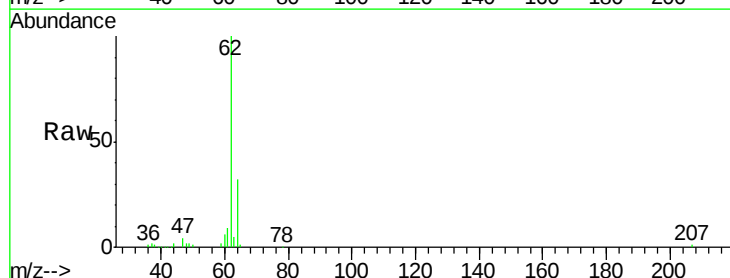
Acq: 13 Mar 2020 18:51

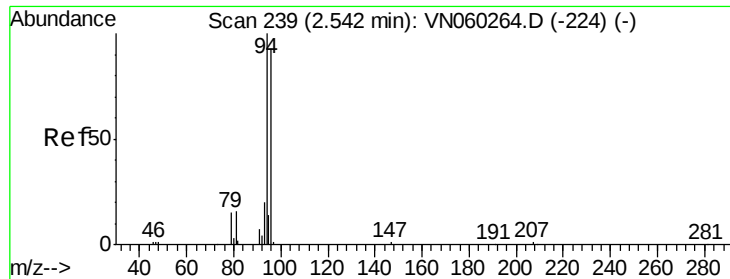
Tgt Ion: 62 Resp: 103921

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 39.521 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 43092

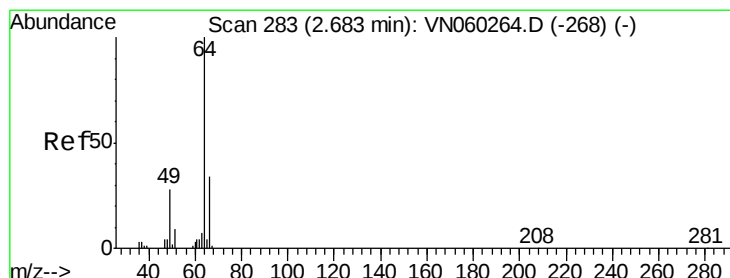
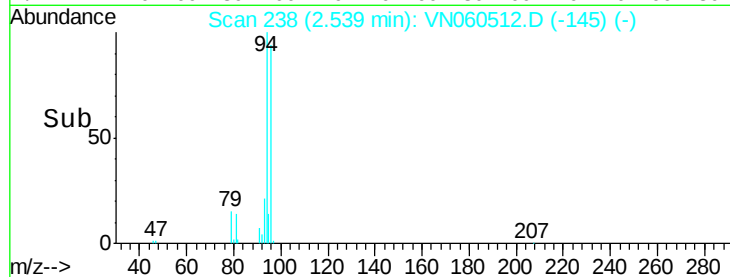
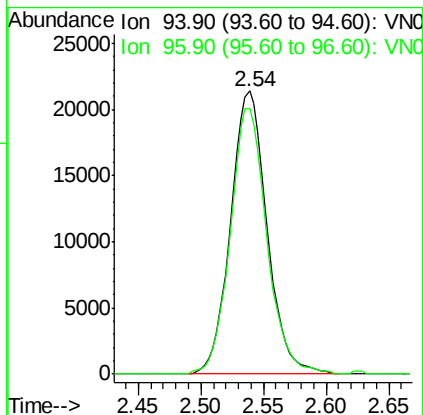
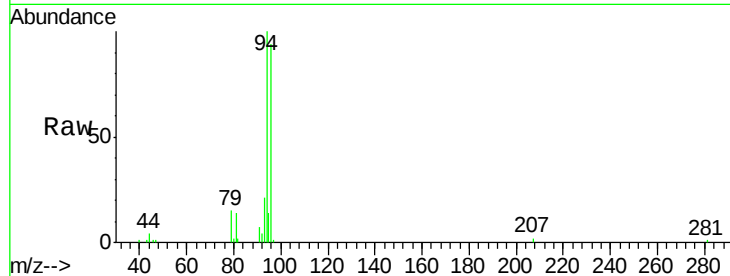
Ion Ratio Lower Upper

94 100

96 93.9 74.3 111.5

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#6

Chloroethane

Concen: 43.001 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060512.D

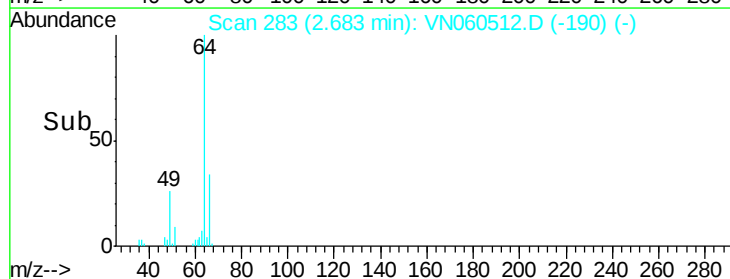
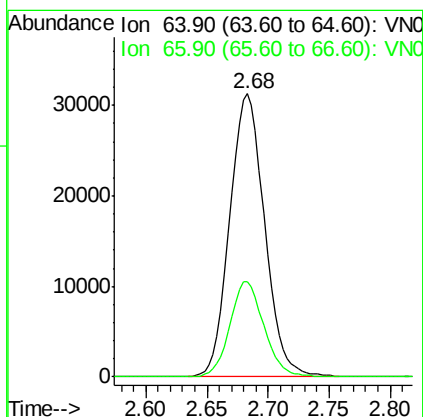
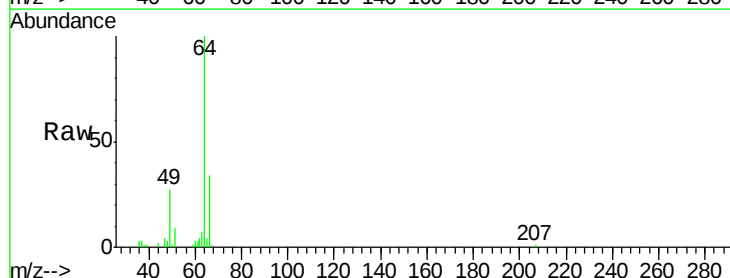
Acq: 13 Mar 2020 18:51

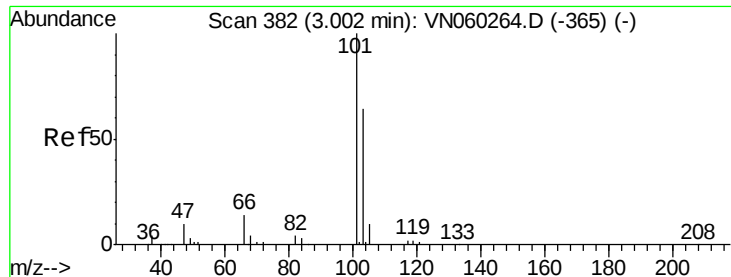
Tgt Ion: 64 Resp: 62317

Ion Ratio Lower Upper

64 100

66 33.9 27.4 41.2





#7

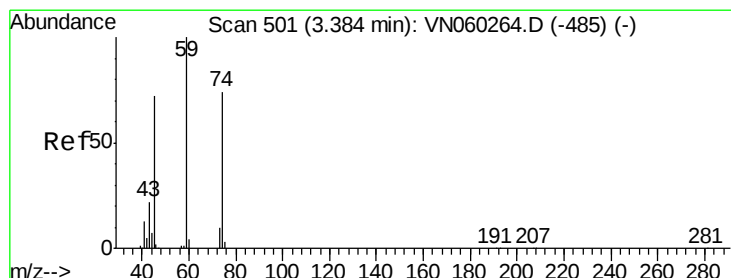
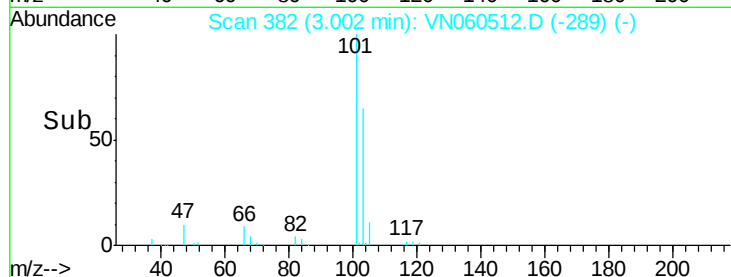
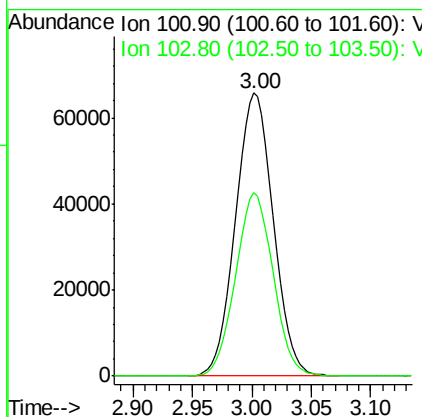
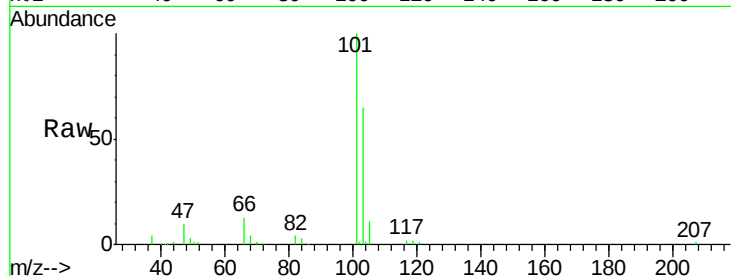
Trichlorofluoromethane
Concen: 42.412 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.3	76.9

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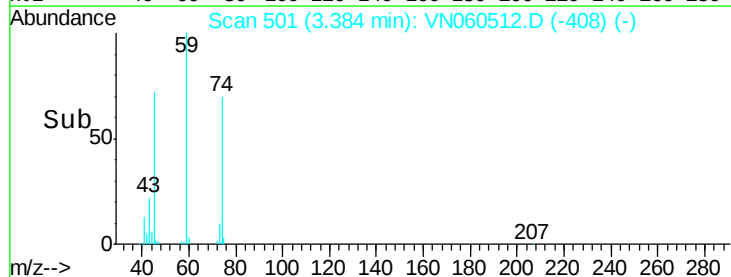
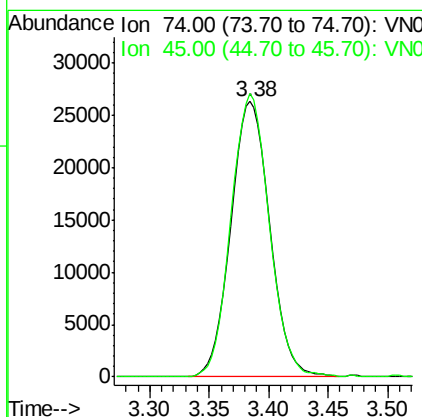
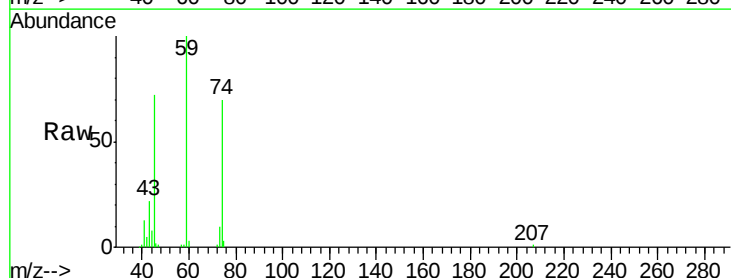
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#8

Diethyl Ether
Concen: 46.269 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.721 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

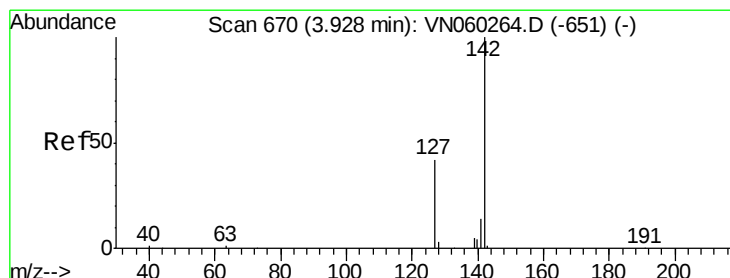
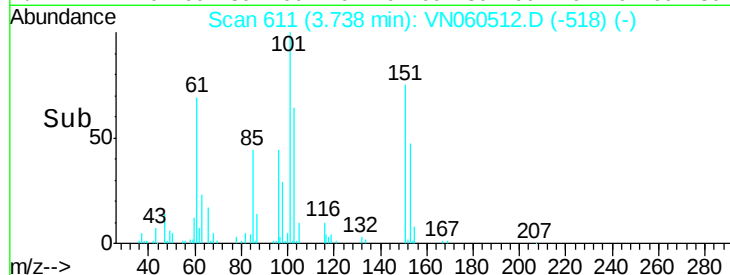
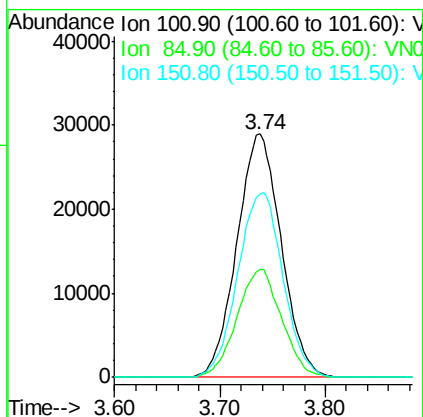
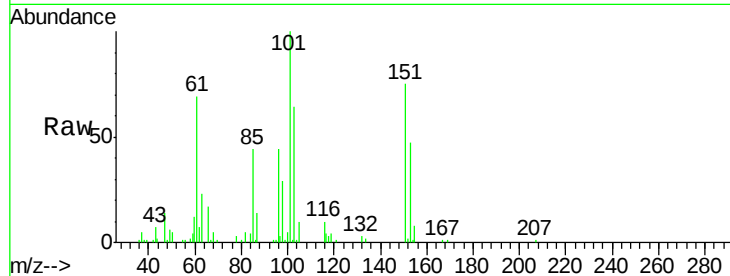
ClientSampleId :

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Tot Ion:	101	Resp:	84559
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.4	53.2
151	77.4	62.0	93.0

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#10

Methyl Iodide

Concen: 31.839 ug/l

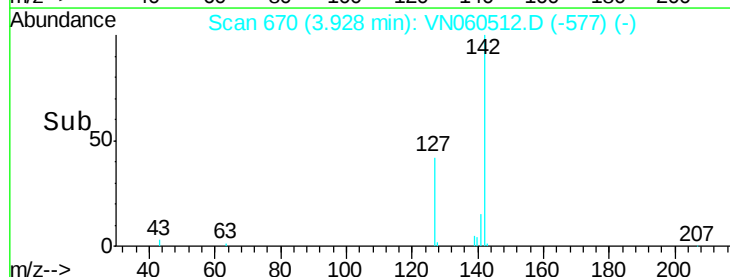
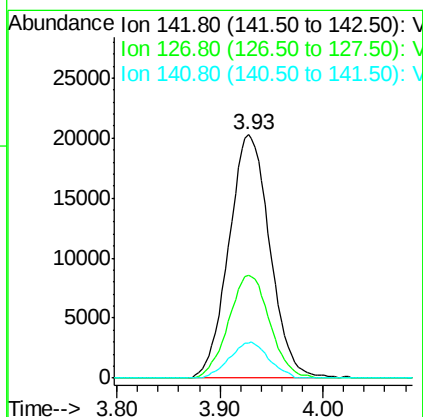
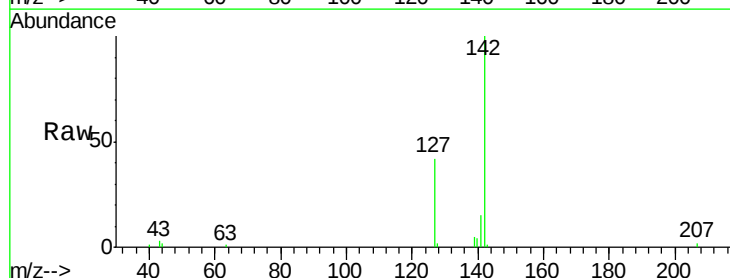
RT: 3.93 min Scan# 670

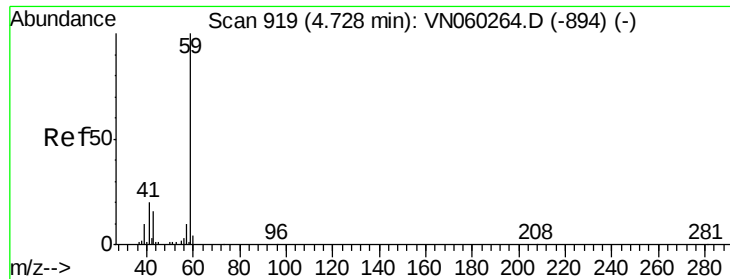
Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion:	142	Resp:	56199
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.8	50.6
141	14.1	11.1	16.7





#11

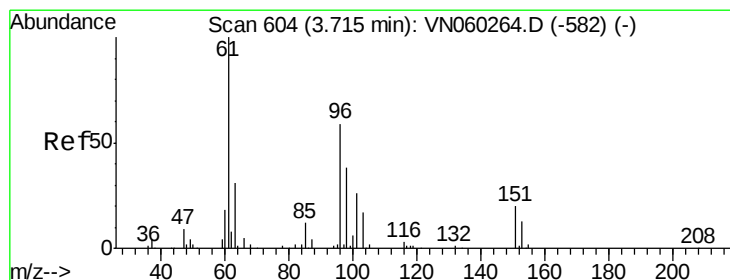
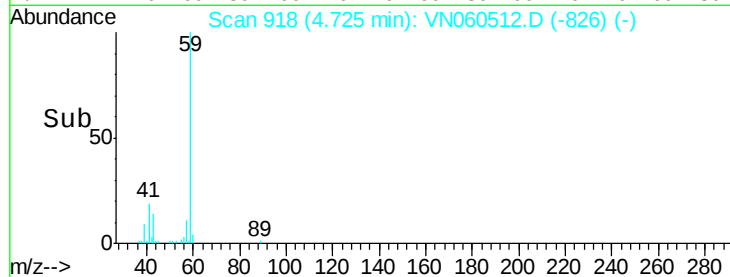
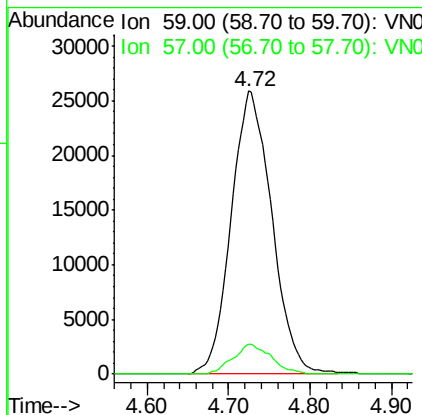
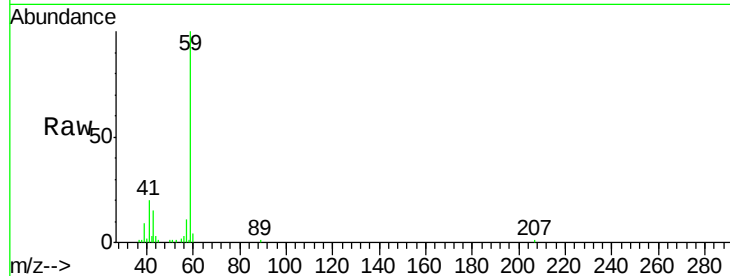
Tert butyl alcohol
 Concen: 240.905 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

Manual Integrations
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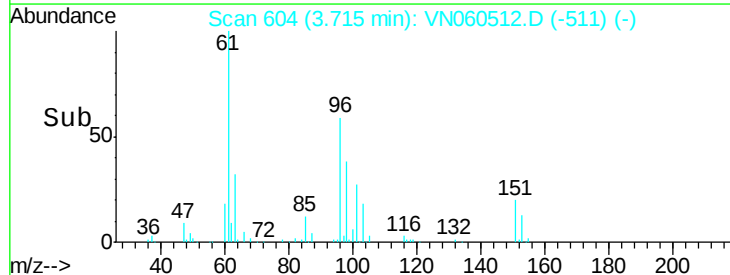
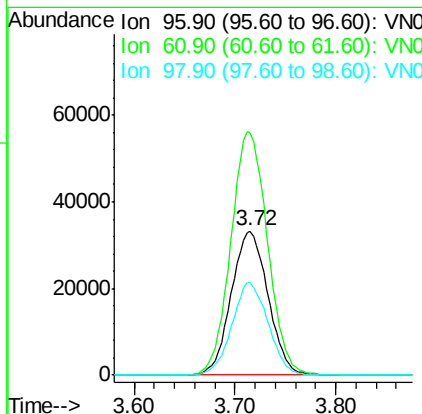
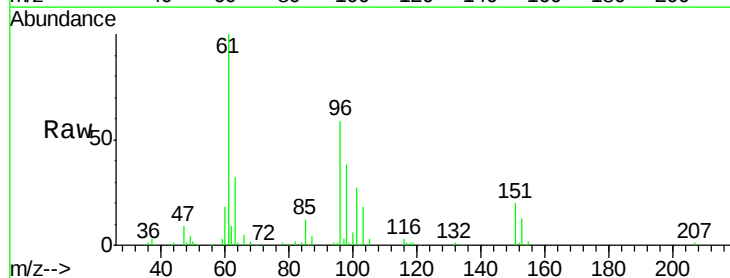
MMDadoda
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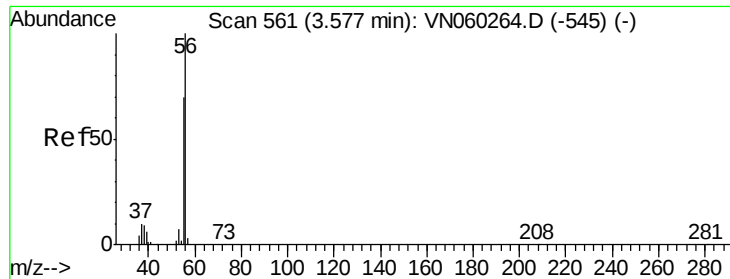


#12

1,1-Dichloroethene
 Concen: 44.938 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	135.4	203.0
98	63.8	51.6	77.4





#13

Acrolein

Concen: 270.811 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 94041

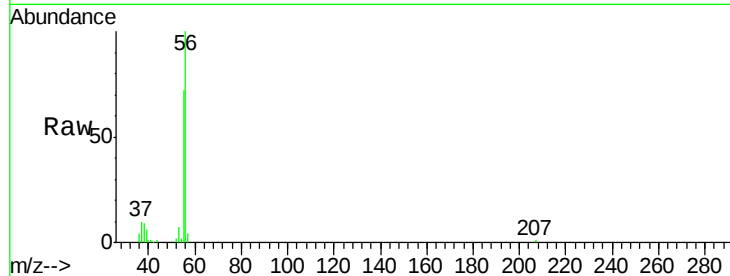
Ion Ratio Lower Upper

56 100

55 70.7 57.4 86.0

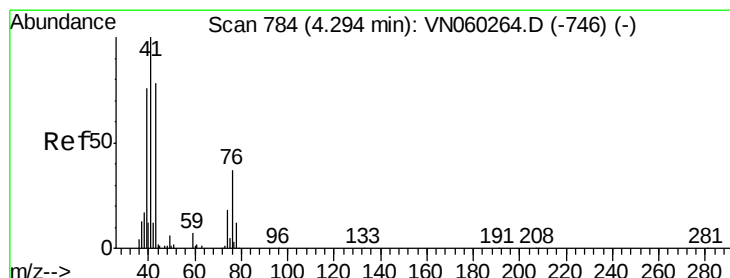
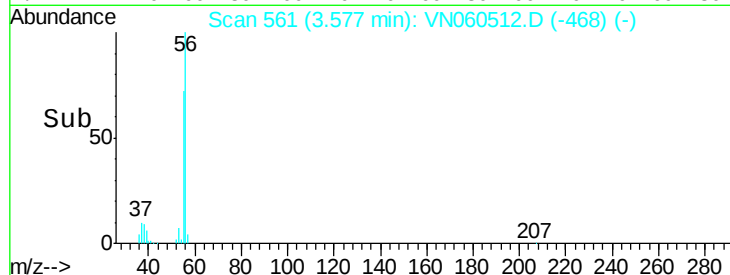
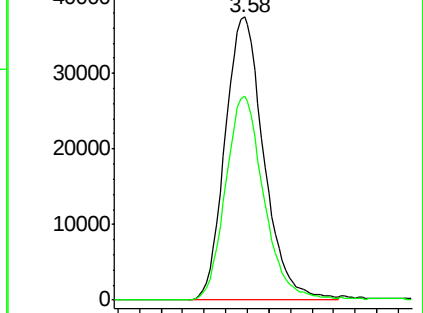
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 43.870 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

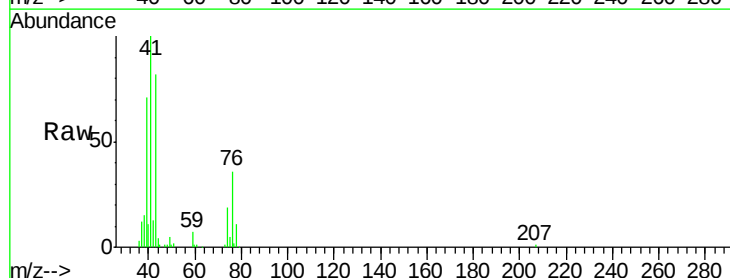
Tgt Ion: 41 Resp: 151834

Ion Ratio Lower Upper

41 100

39 72.3 55.4 83.2

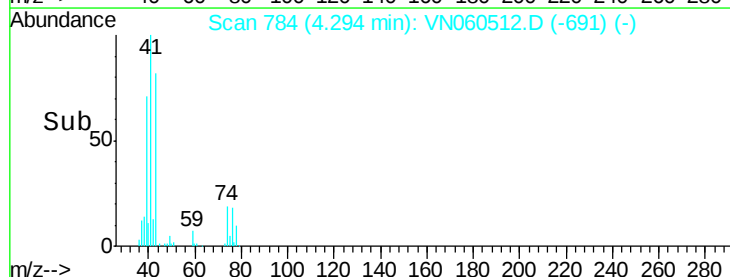
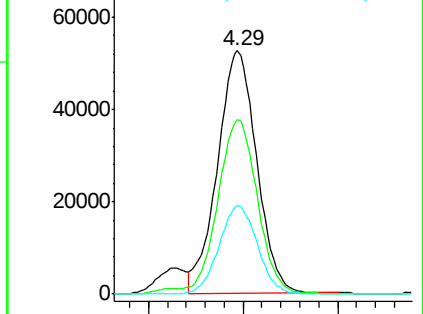
76 35.6 27.0 40.6

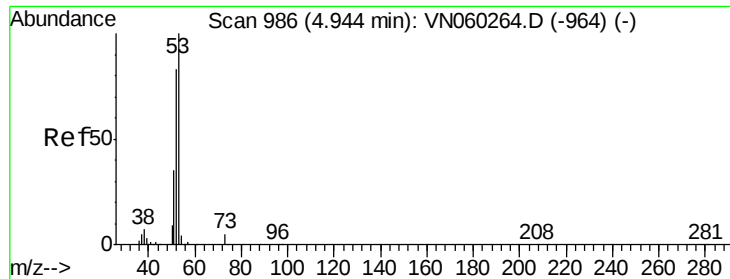


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





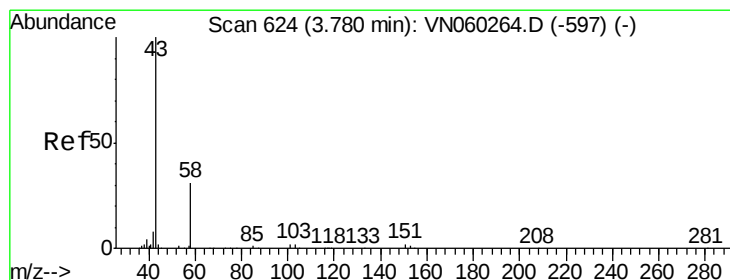
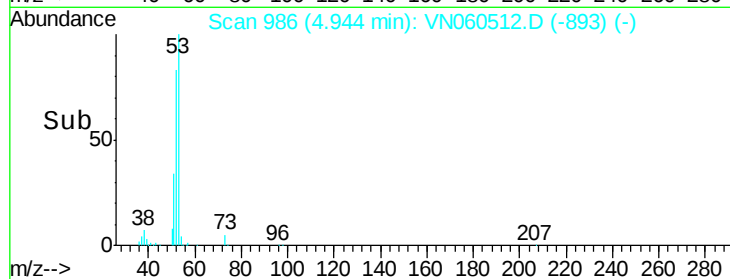
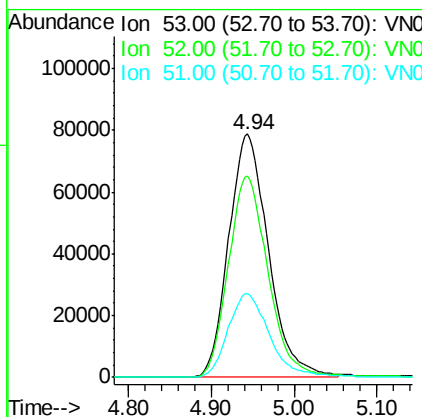
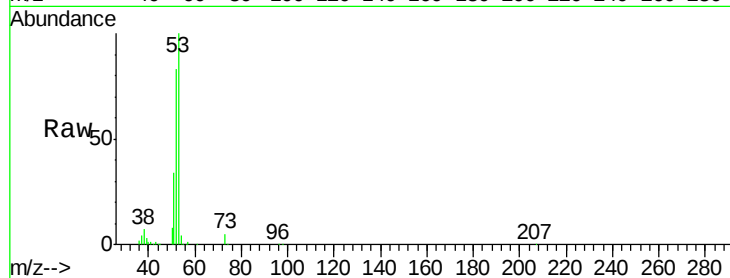
#15
 Acrylonitrile
 Concen: 267.651 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	262600
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.8	100.2
51	35.7	29.0	43.6

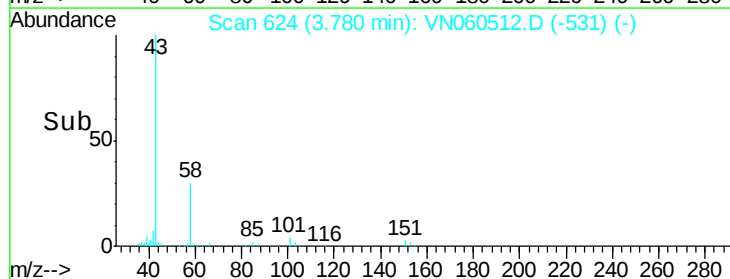
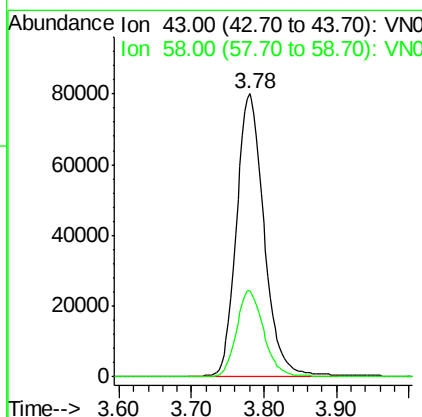
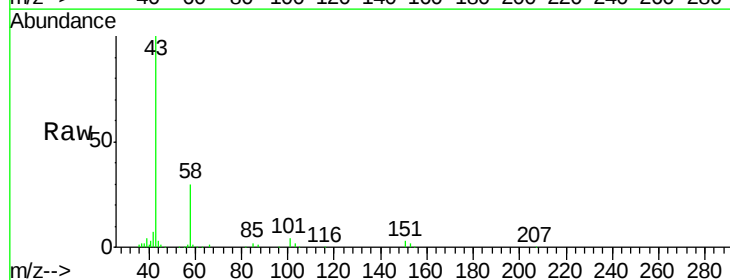
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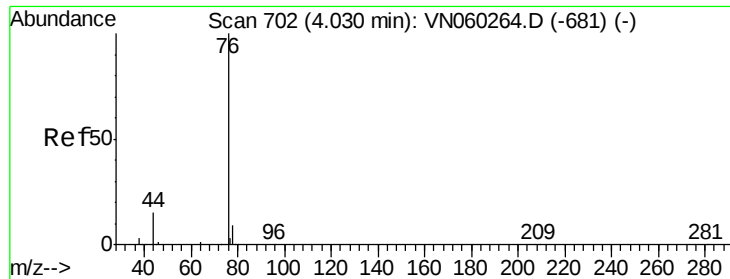
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#16
 Acetone
 Concen: 263.041 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion:	43	Resp:	212939
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.6	36.8





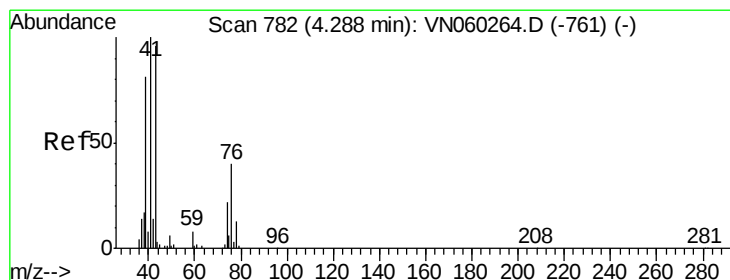
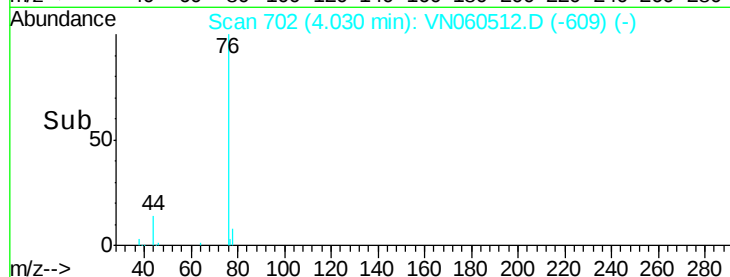
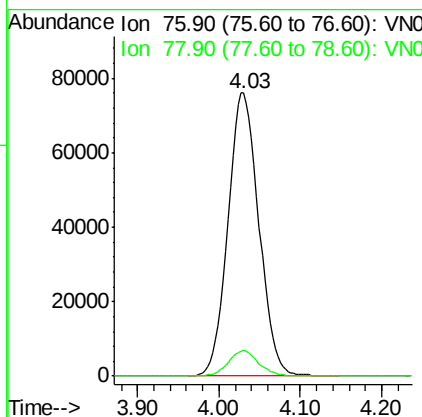
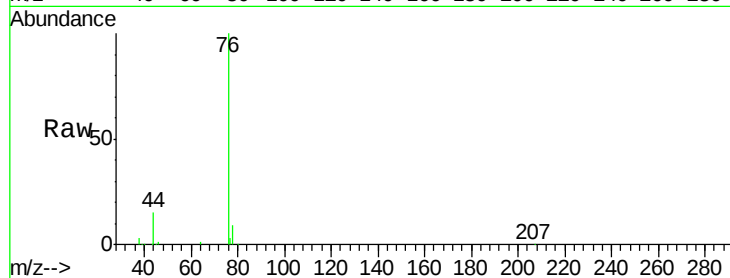
#17
Carbon Disulfide
Concen: 40.358 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

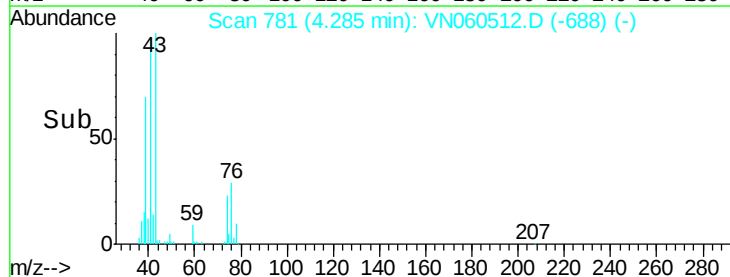
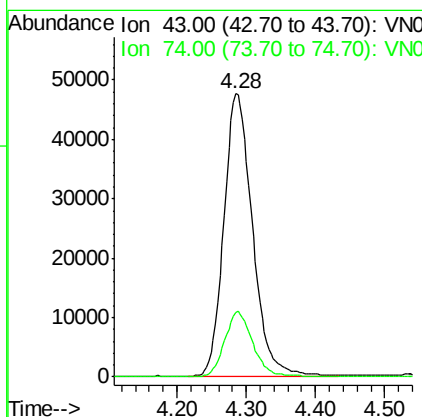
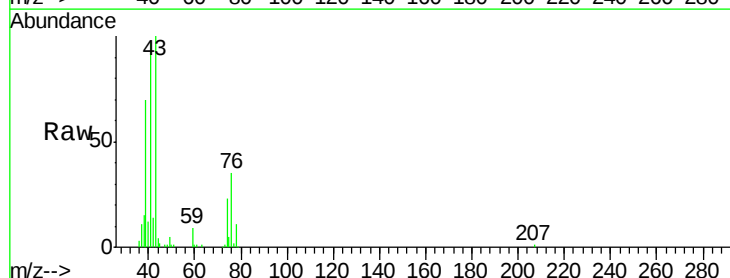
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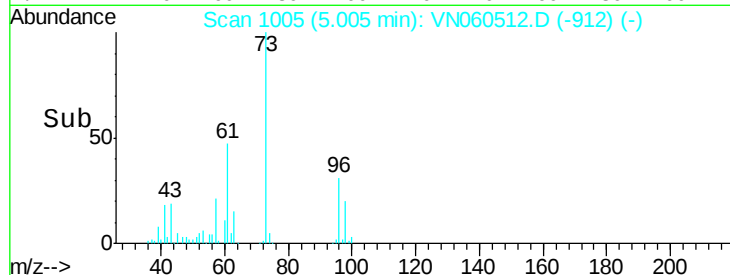
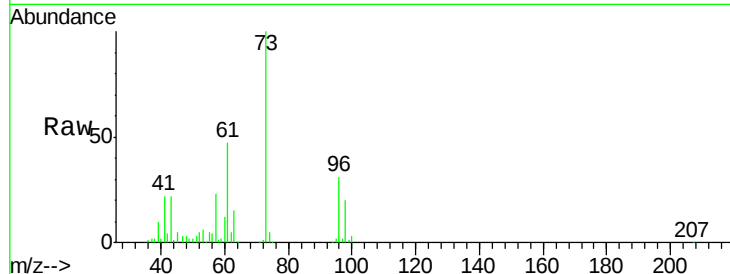
MMDadoda
3/16/2020 2:04:55 PM



#18
Methyl Acetate
Concen: 51.326 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.8	28.2





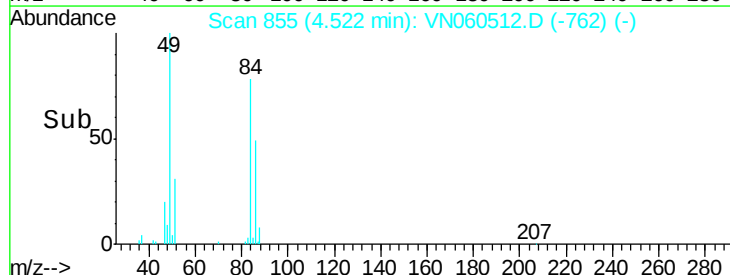
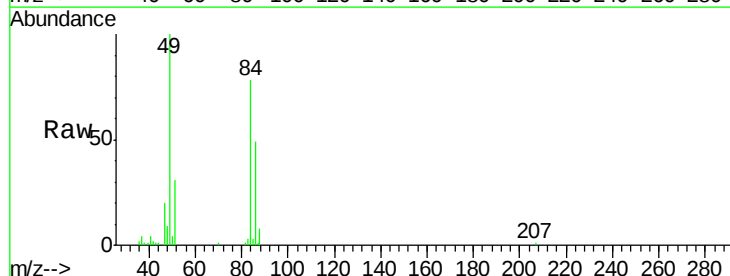
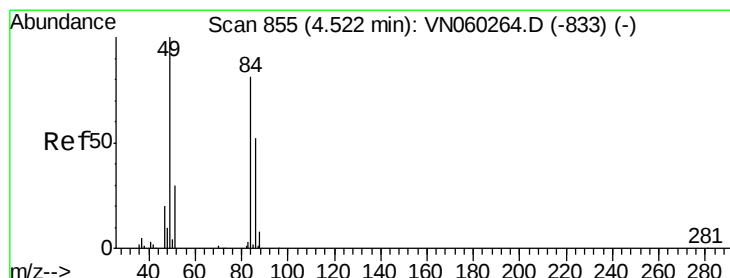
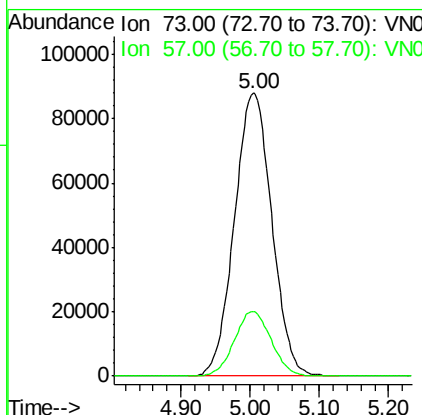
#19
Methvl tert-butvl Ether
Concen: 48.414 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tot Ion	73	Resp	329954
Ion Ratio	100	Lower	Upper
73	100		
57	22.9	17.3	25.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

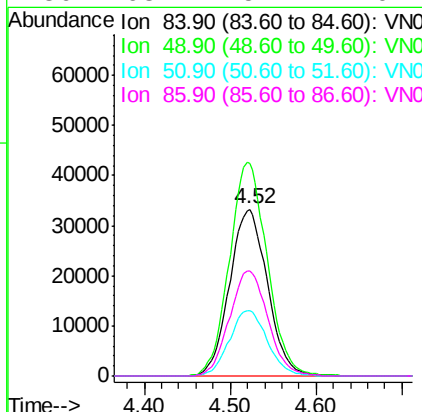
Manual Integrations
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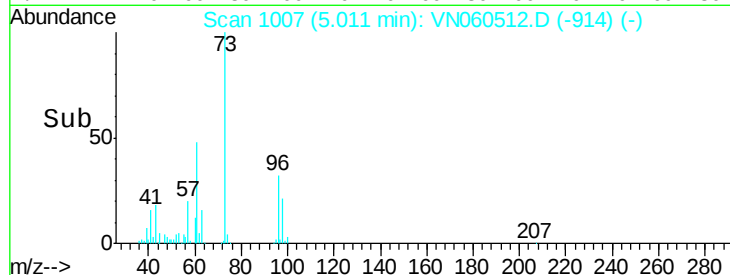
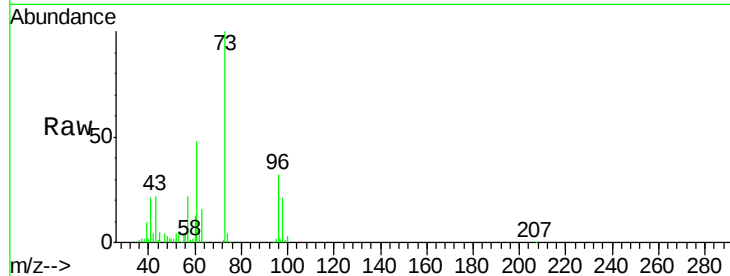
MMDadoda
3/16/2020 2:04:55 PM



#20
Methylene Chloride
Concen: 45.907 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	84	Resp	102062
Ion Ratio	100	Lower	Upper
84	100		
49	127.5	99.3	148.9
51	39.4	30.1	45.1
86	63.1	51.1	76.7





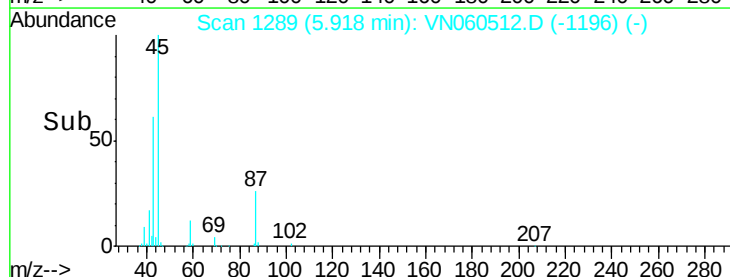
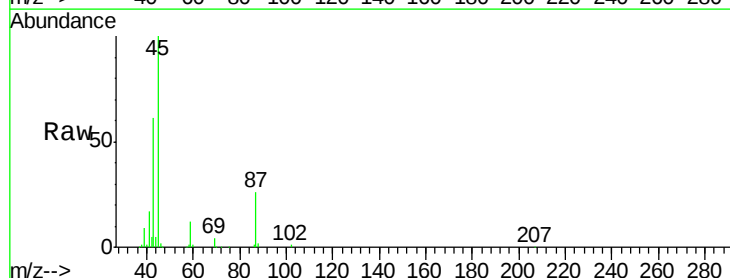
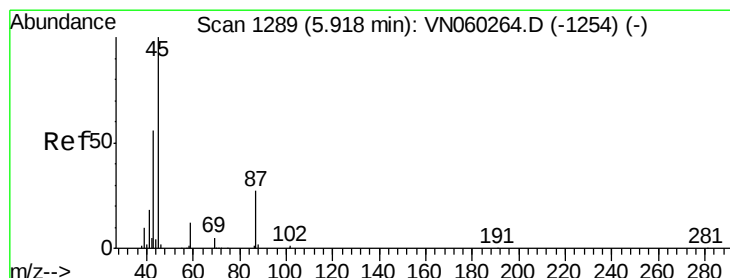
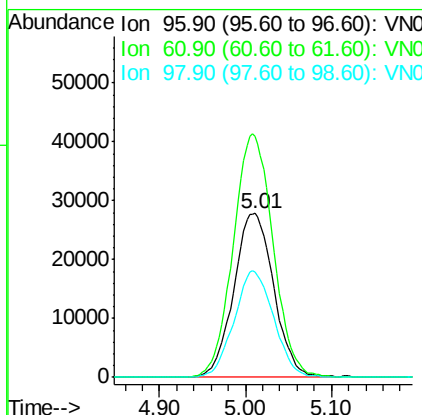
#21
trans-1,2-Dichloroethene
Concen: 44.649 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.0	113.8	170.8
98	64.1	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

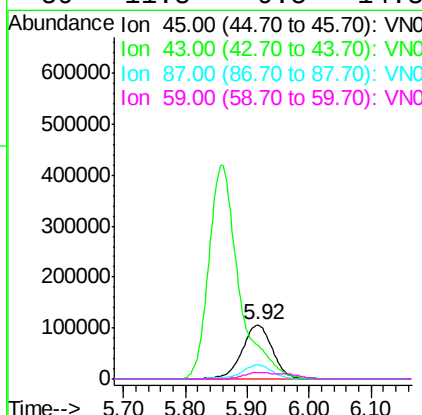
Manual Integrations
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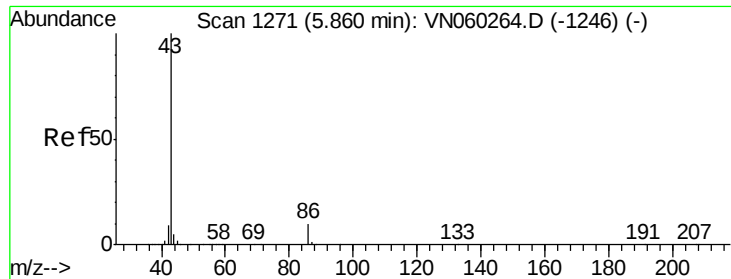
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#22
Diisopropyl ether
Concen: 51.466 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	48.6	72.8
87	26.2	22.2	33.2
59	11.8	9.5	14.3





#23

Vinyl Acetate

Concen: 255.110 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1421168

Ion Ratio Lower Upper

43 100

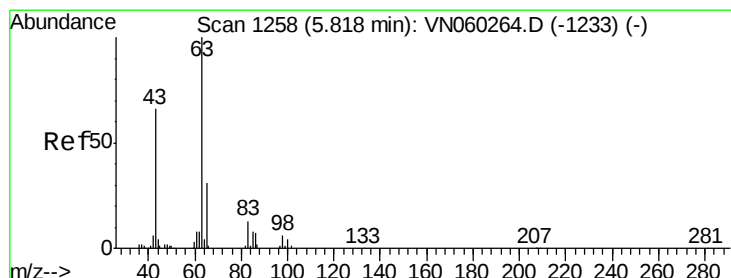
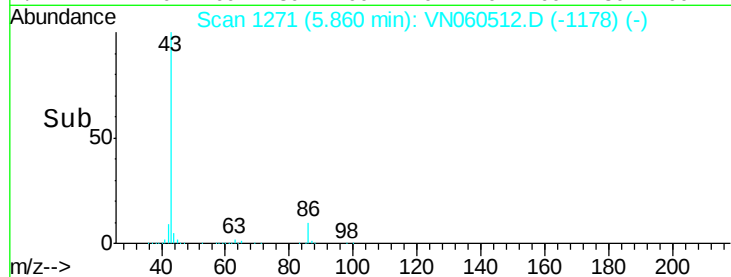
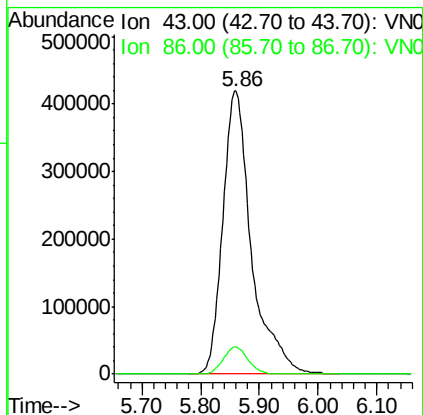
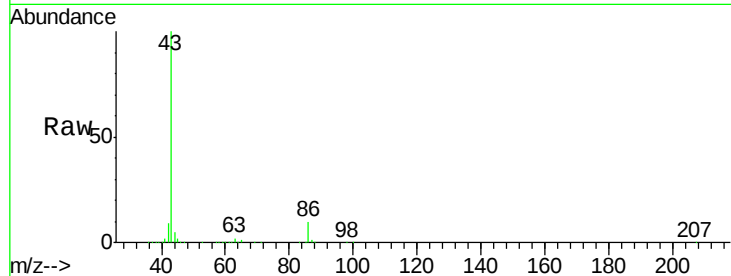
86 9.6 8.0 12.0

Manual Integrations

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3/16/2020 2:04:55 PM



#24

1,1-Dichloroethane

Concen: 48.650 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

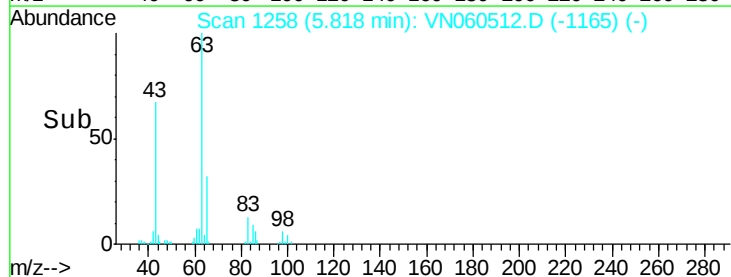
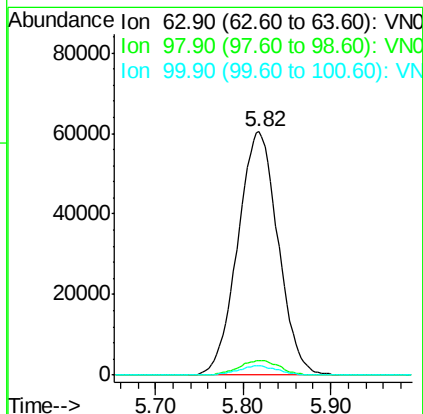
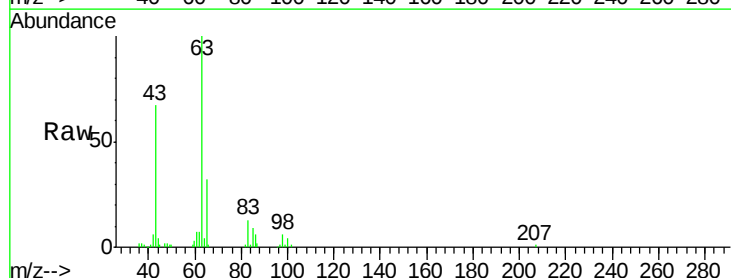
Tgt Ion: 63 Resp: 193065

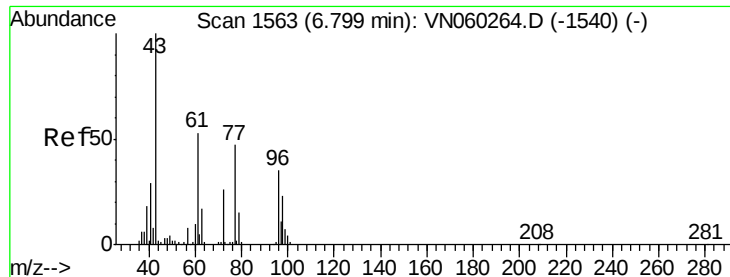
Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

100 3.7 2.0 6.0





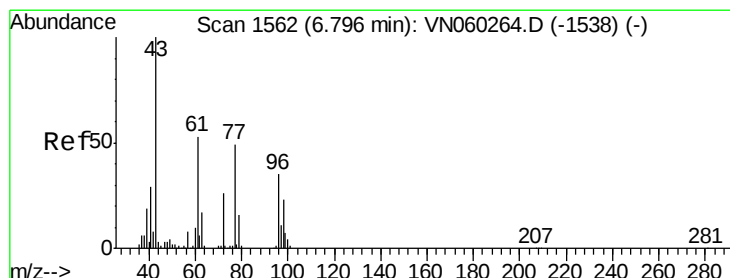
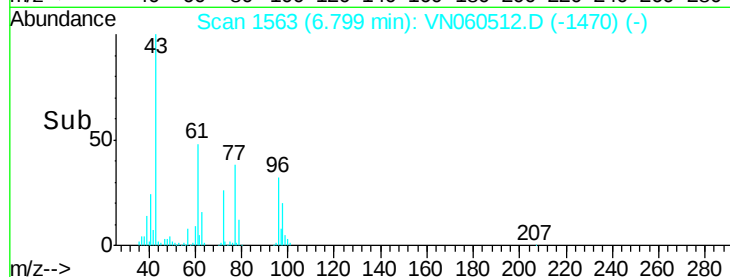
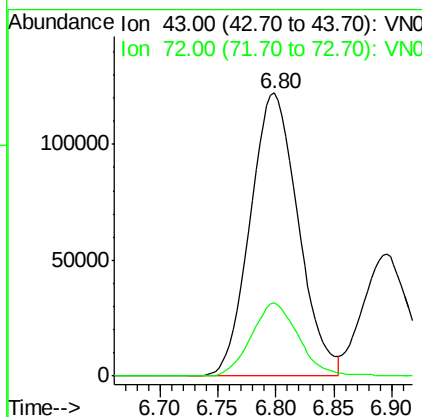
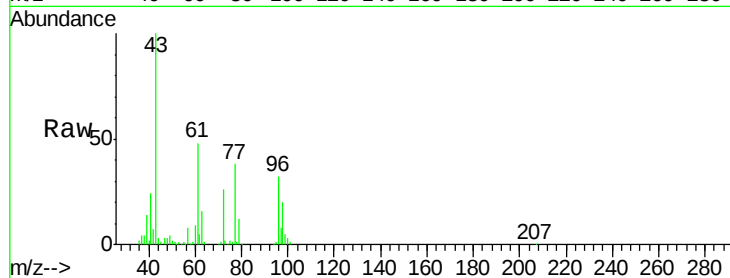
#25
2-Butanone
Concen: 269.098 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.9	20.9	31.3

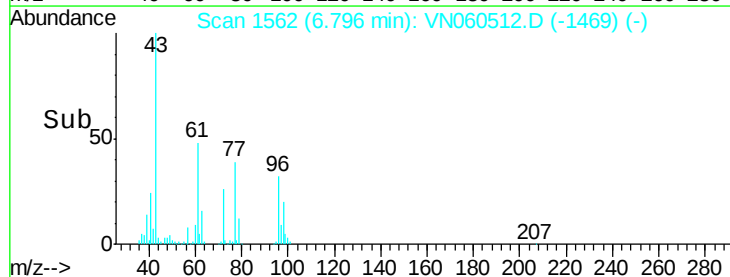
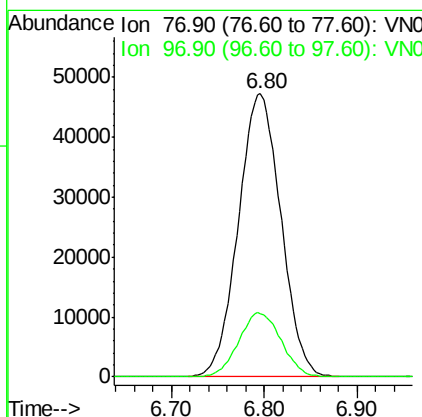
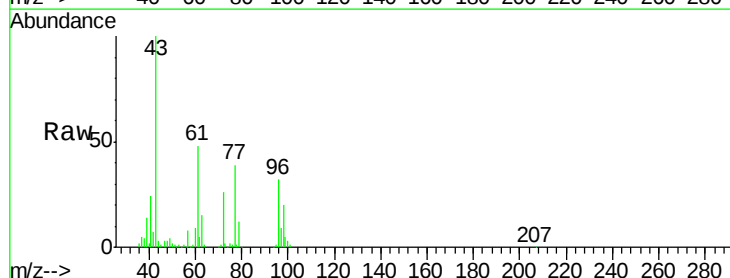
Manual Integrations
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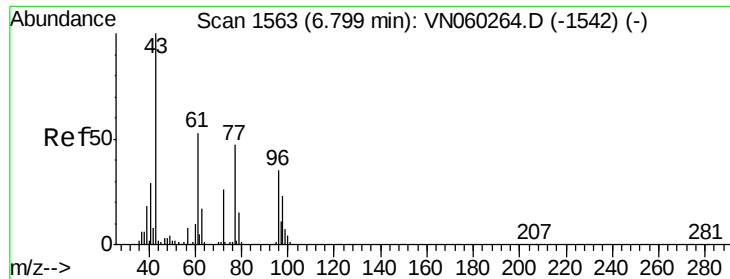
MMDadoda
3/16/2020 2:04:55 PM



#26
2,2-Dichloropropane
Concen: 41.695 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.2	33.6





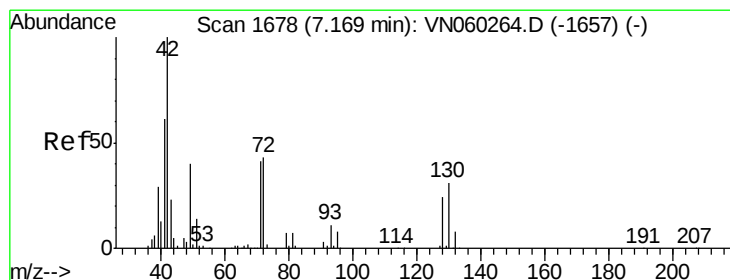
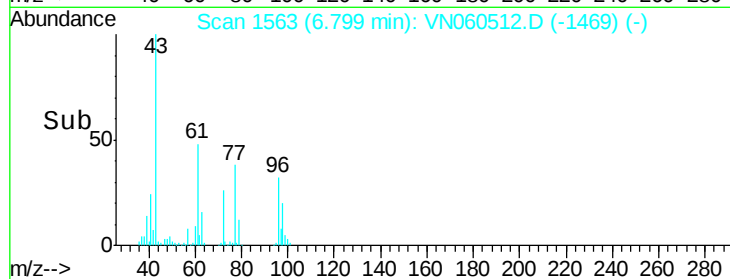
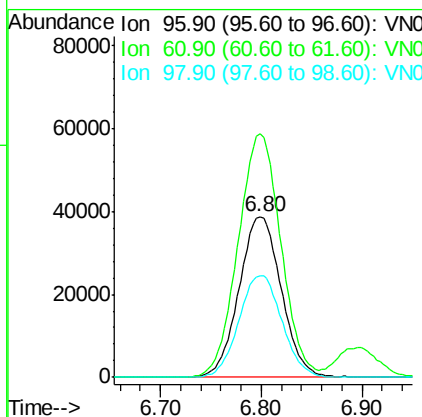
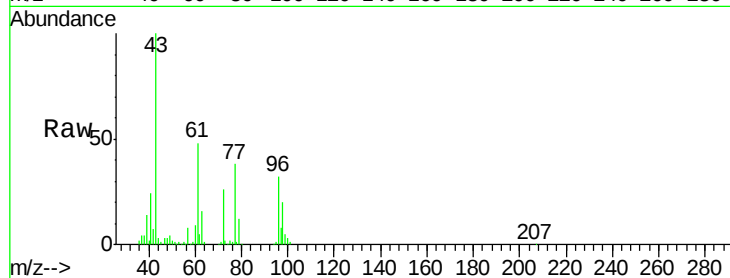
#27
 cis-1,2-Dichloroethene
 Concen: 43.763 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.0	0.0	300.8	
98	64.6	0.0	128.2	

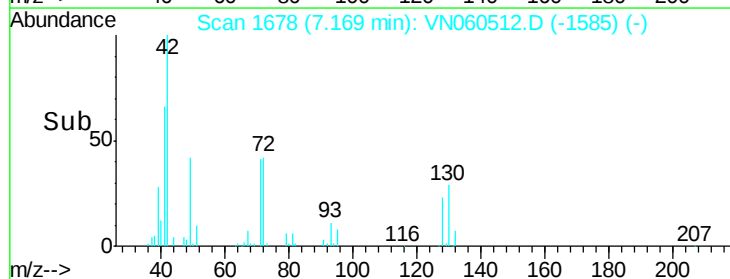
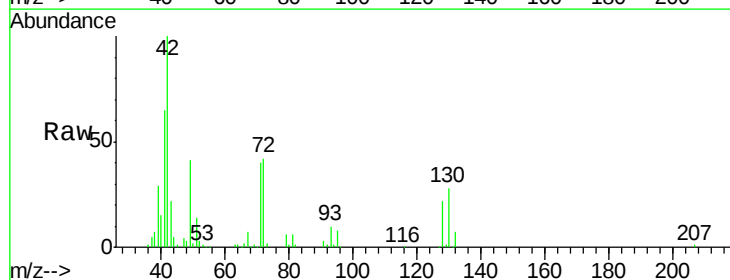
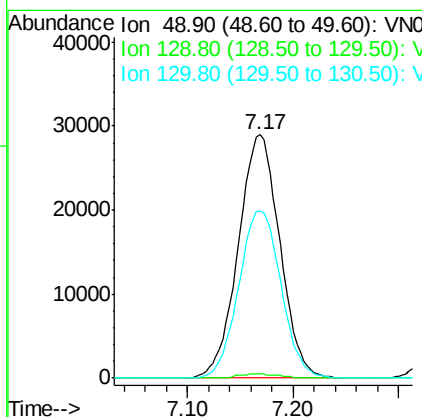
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#28
 Bromochloromethane
 Concen: 48.698 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.8	
130	69.9	59.8	89.8	





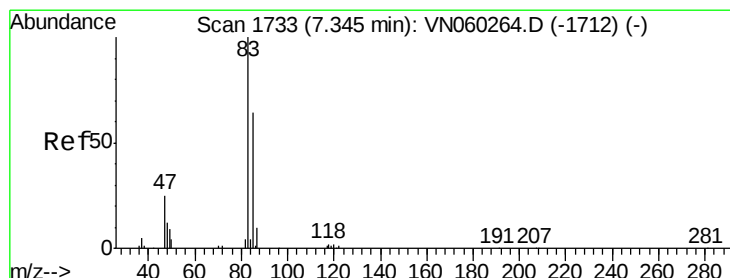
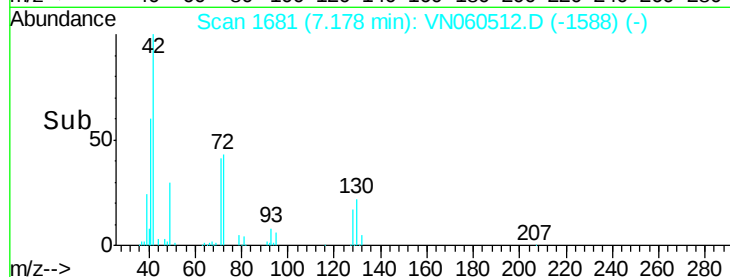
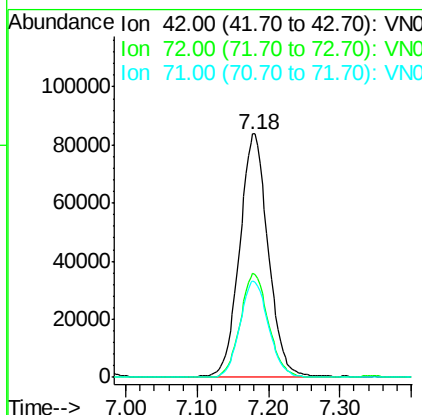
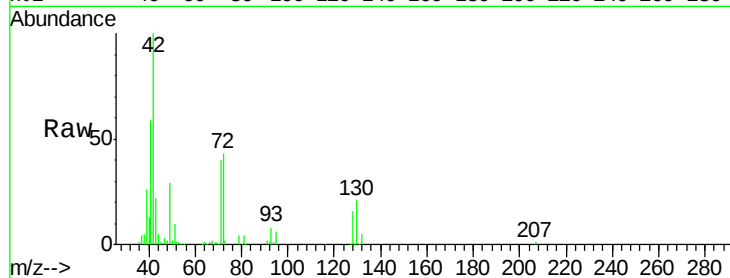
#29
Tetrahydrofuran
Concen: 258.565 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.6	52.0
71	39.3	32.9	49.3

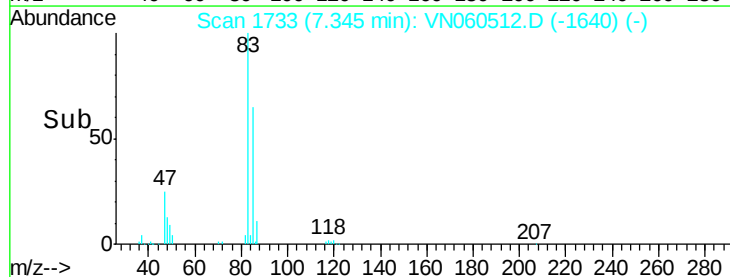
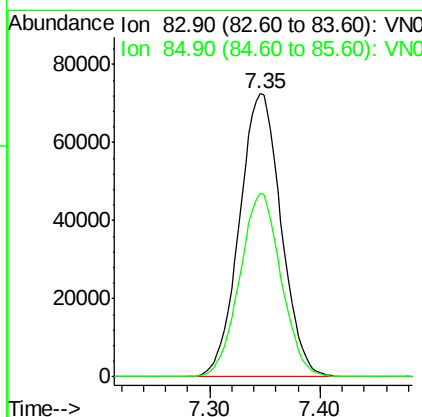
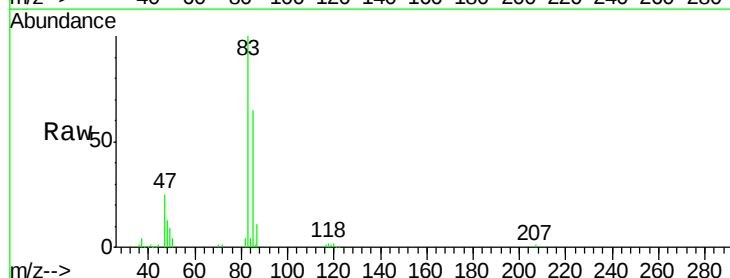
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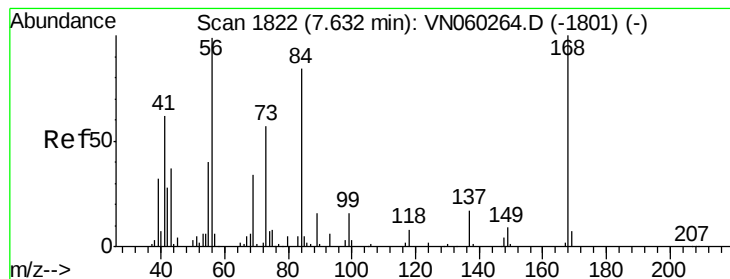
MMDadoda
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#30
Chloroform
Concen: 48.154 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2





#31

Cyclohexane

Concen: 46.542 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 157928

Ion Ratio Lower Upper

56 100

69 33.0 27.2 40.8

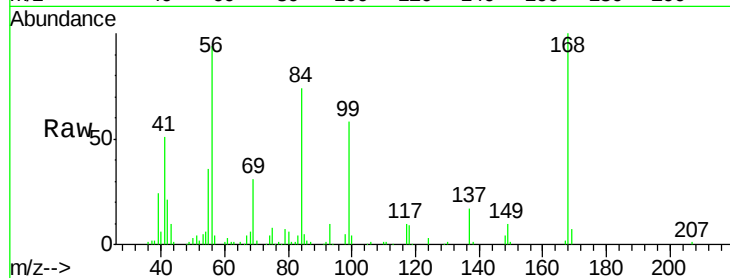
84 77.4 66.7 100.1

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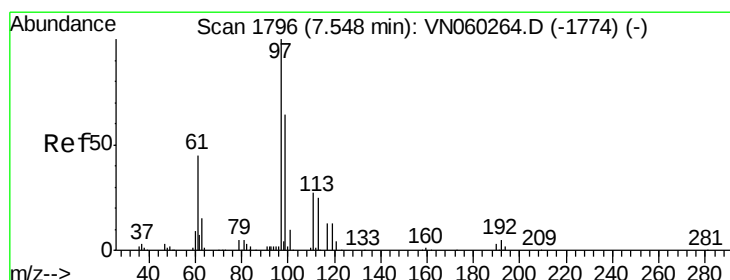
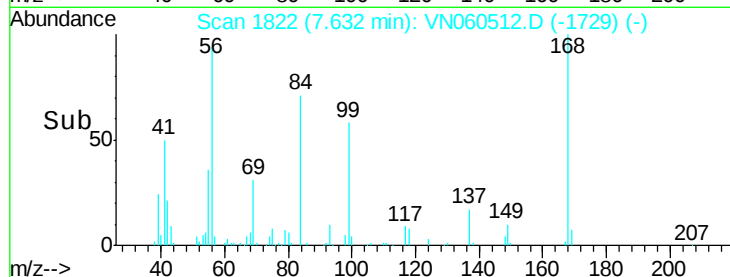
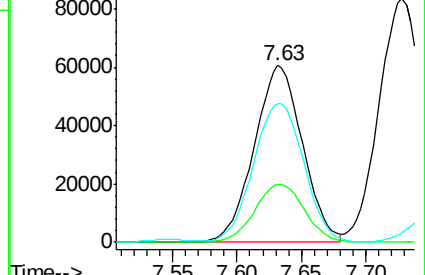
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Abundance Ion 56.00 (55.70 to 56.70): VN060512.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060512.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060512.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 46.512 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

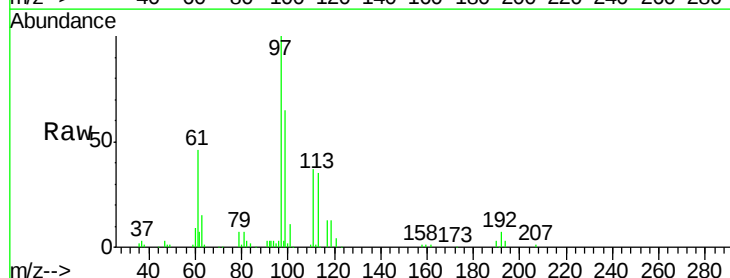
Tgt Ion: 97 Resp: 162801

Ion Ratio Lower Upper

97 100

99 64.0 51.4 77.0

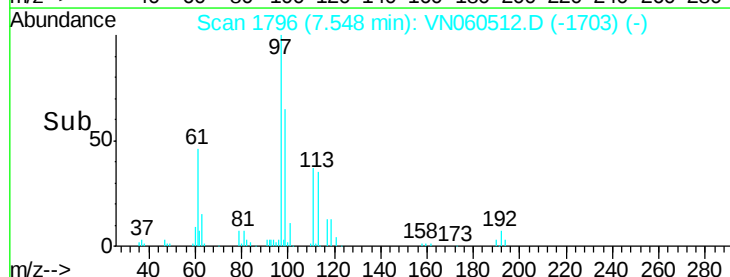
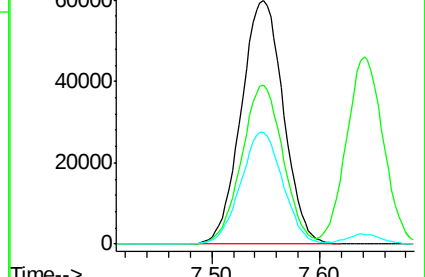
61 45.8 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060512.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060512.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060512.D (-1703) (-)





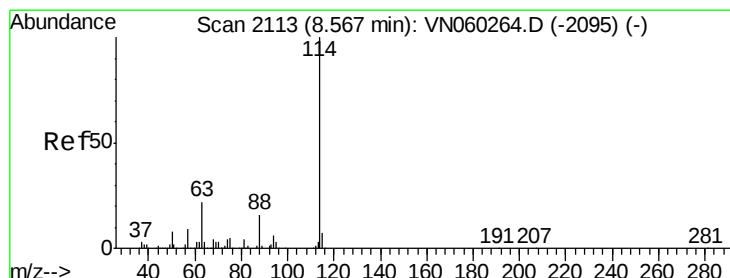
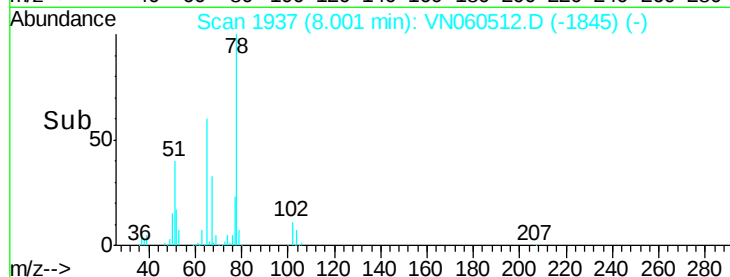
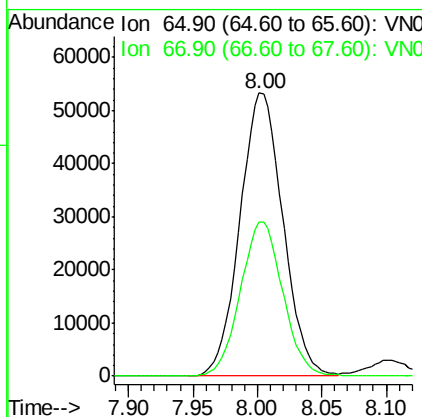
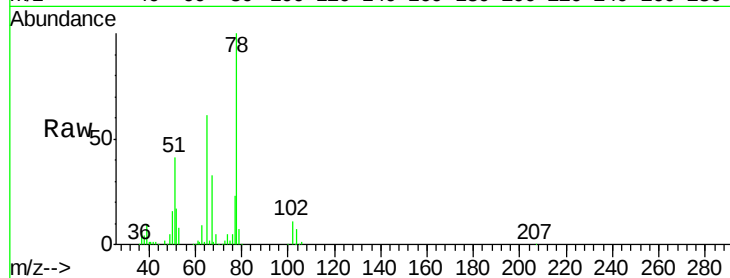
#33
 1,2-Dichloroethane-d4
 Concen: 49.441 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	103.8	

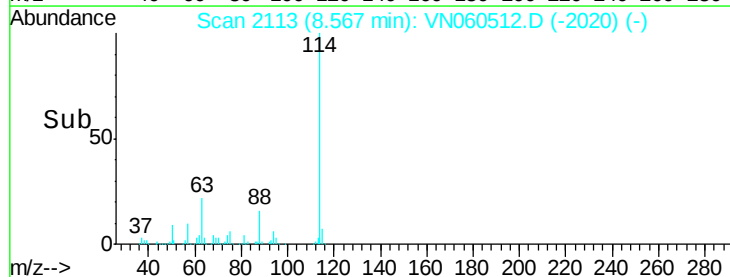
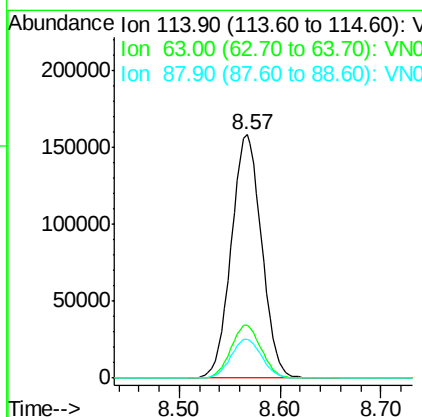
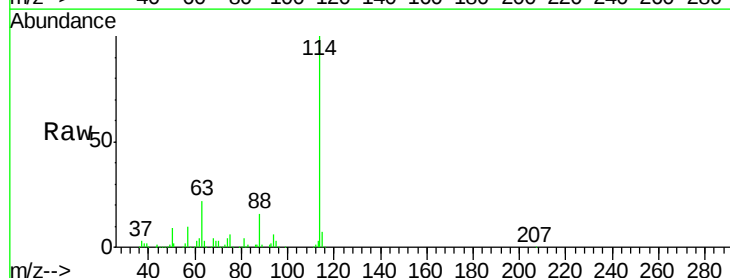
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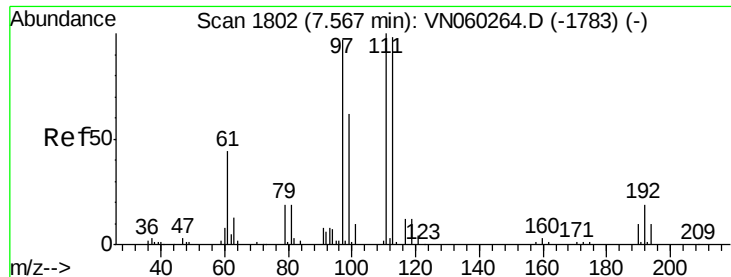
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.2	
88	15.9	0.0	31.6	





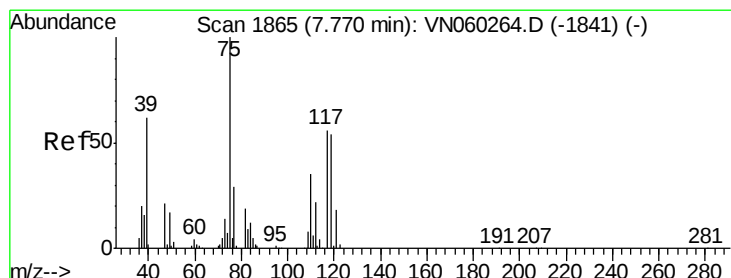
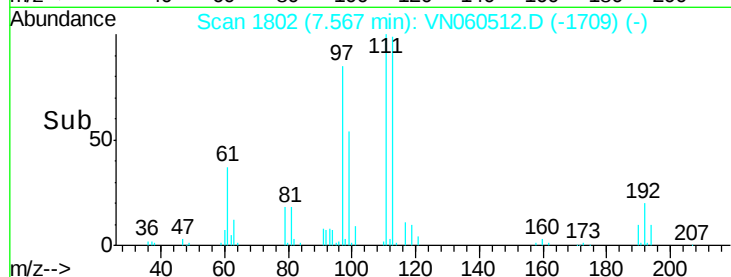
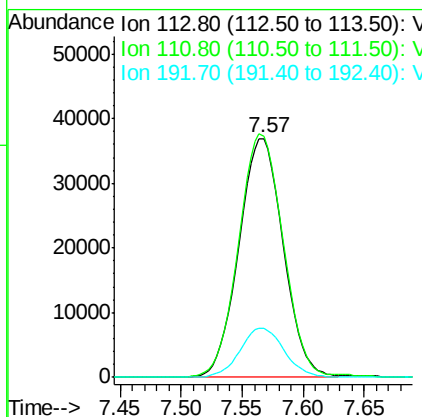
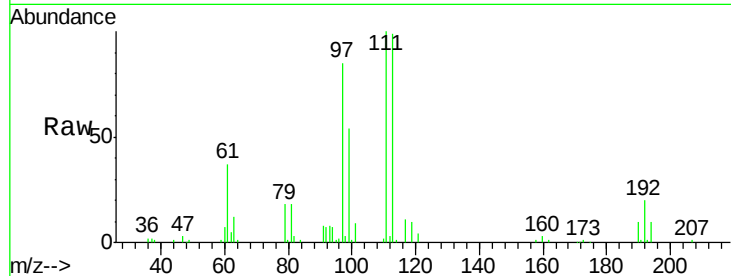
#35
Dibromofluoromethane
Concen: 60.626 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.4	123.6
192	20.3	16.2	24.2

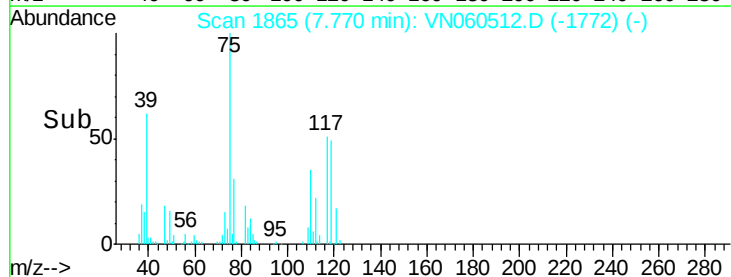
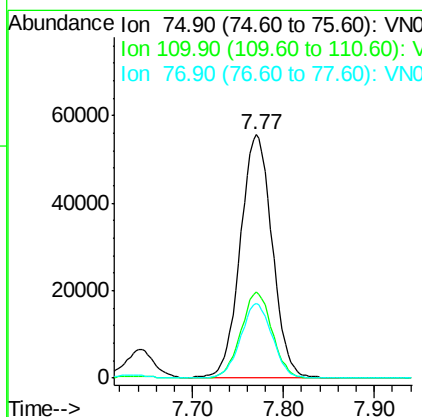
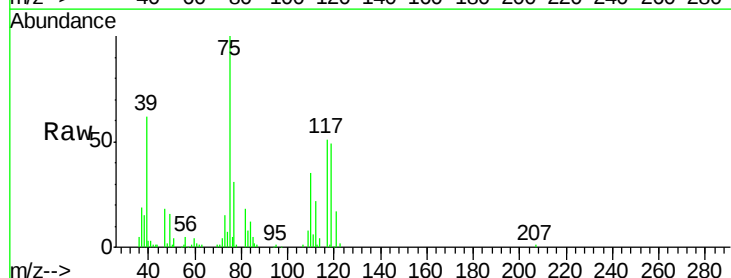
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#36
1,1-Dichloropropene
Concen: 43.209 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.3	52.0
77	30.3	24.2	36.2





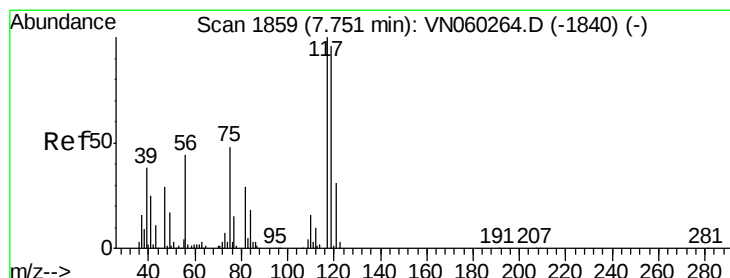
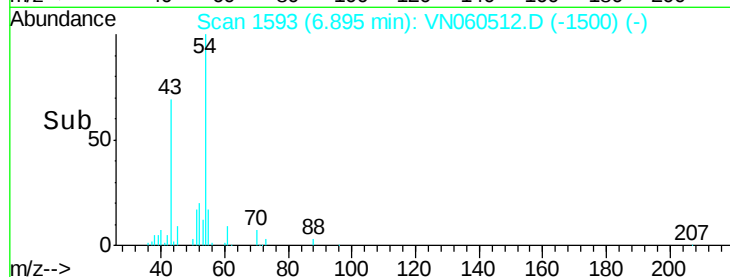
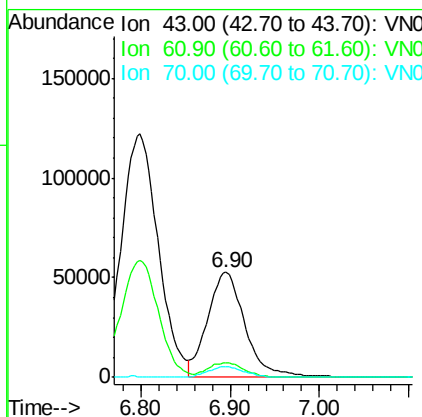
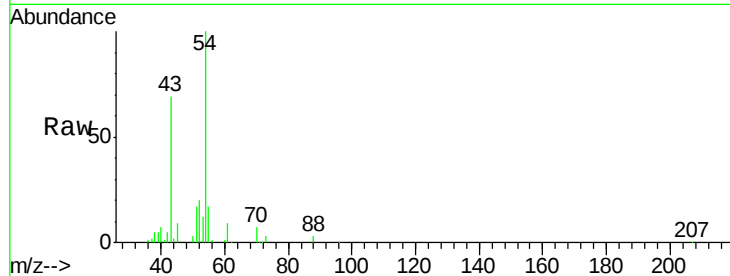
#37
Ethyl Acetate
Concen: 50.611 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	9.9	8.4	12.6

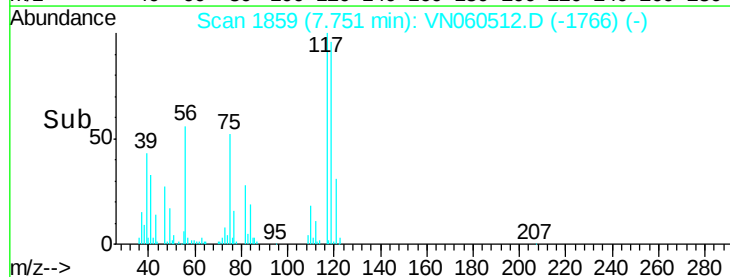
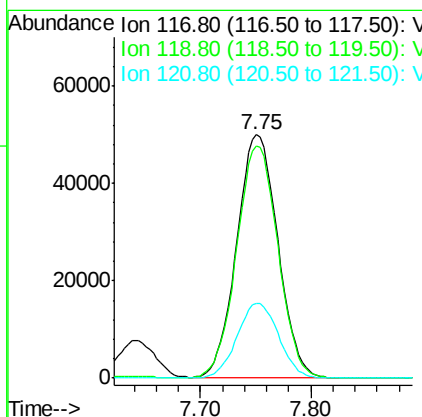
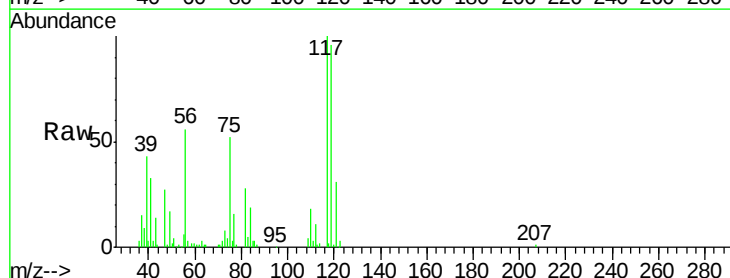
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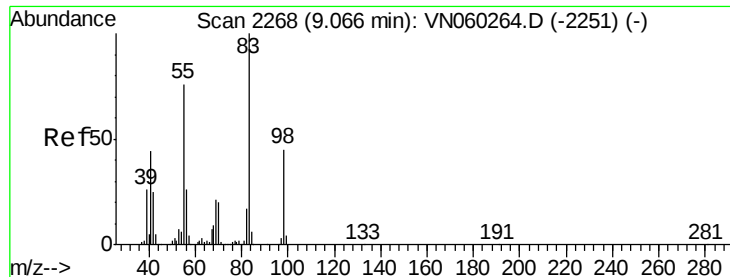
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#38
Carbon Tetrachloride
Concen: 42.307 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	30.7	24.5	36.7





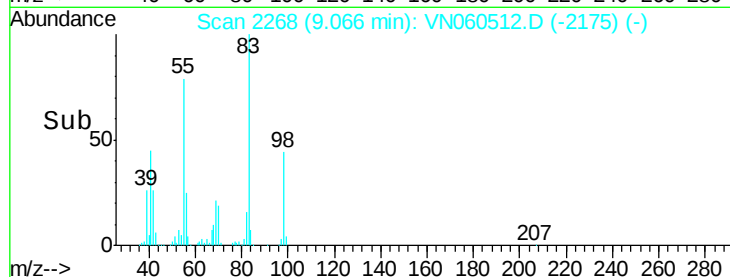
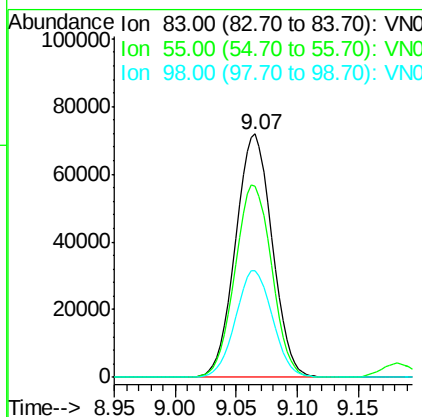
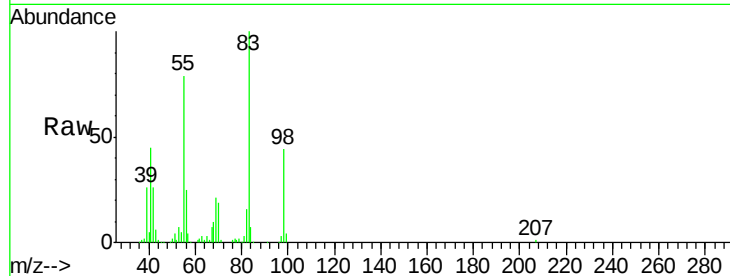
#39
Methvlcvclohexane
Concen: 40.317 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.0	91.4
98	44.0	36.1	54.1

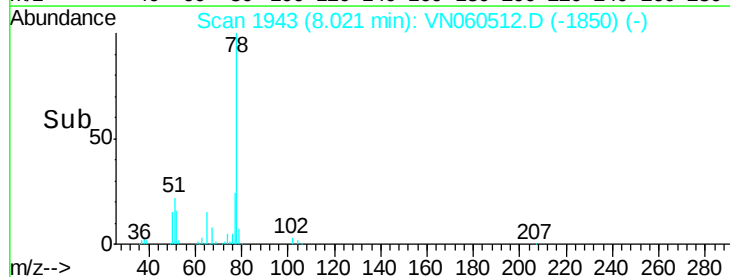
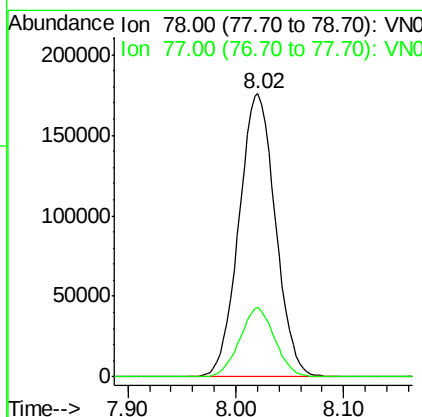
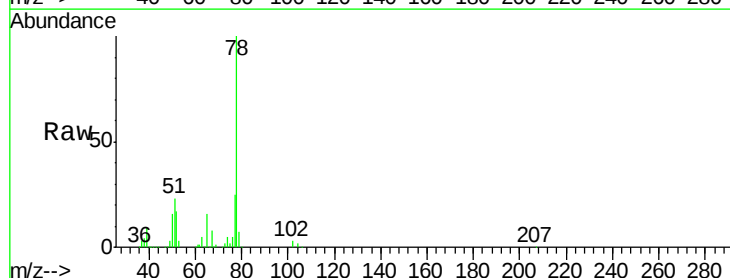
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#40
Benzene
Concen: 45.173 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.8	28.2





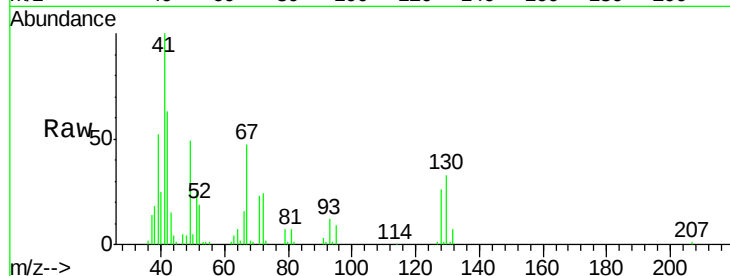
#41
Methacrylonitrile
Concen: 53.438 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

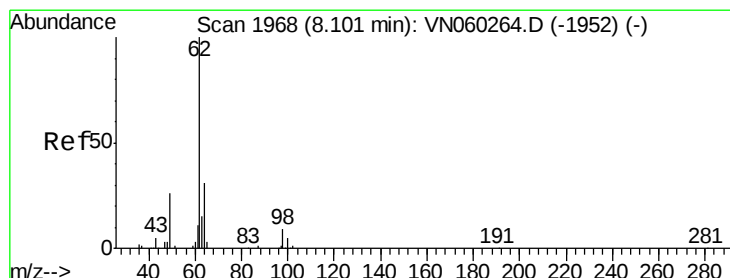
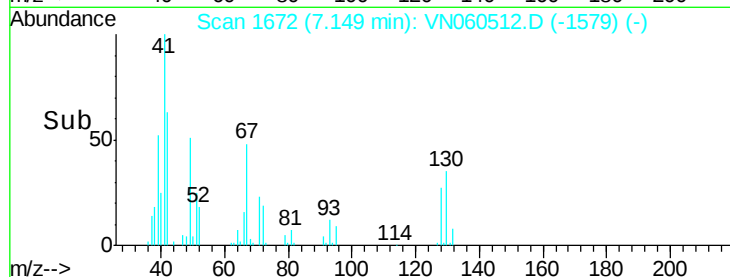
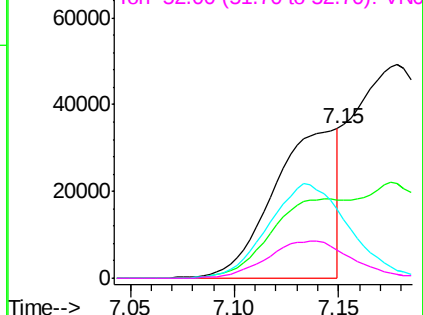
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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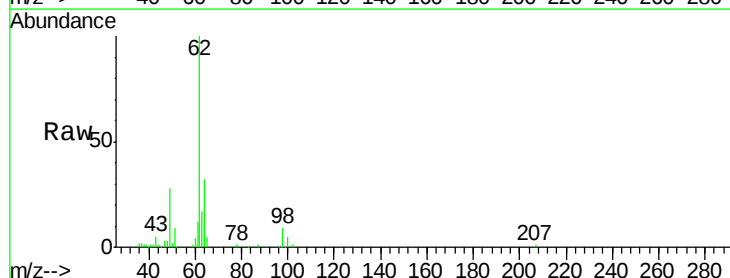


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

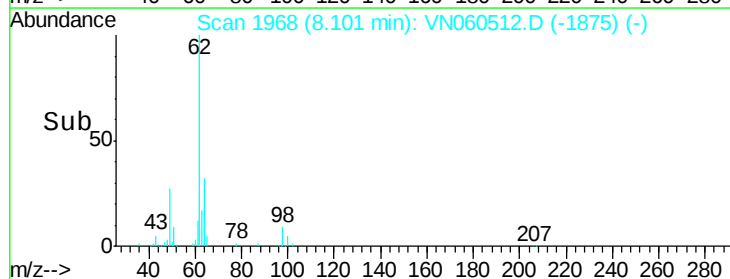
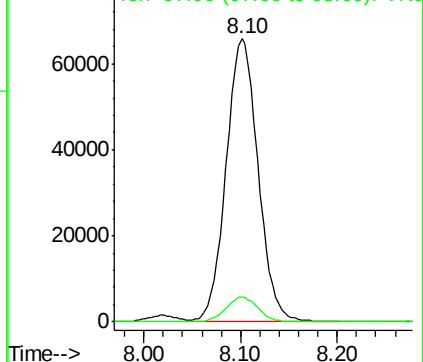


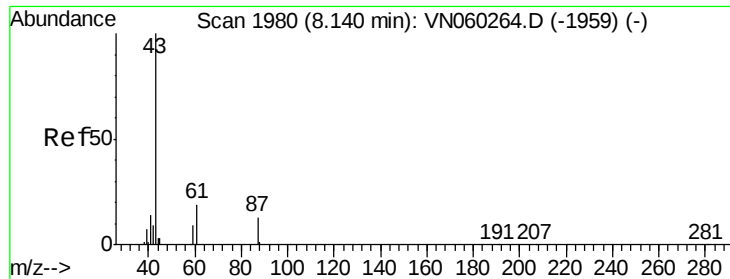
#42
1,2-Dichloroethane
Concen: 45.752 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 49.928 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

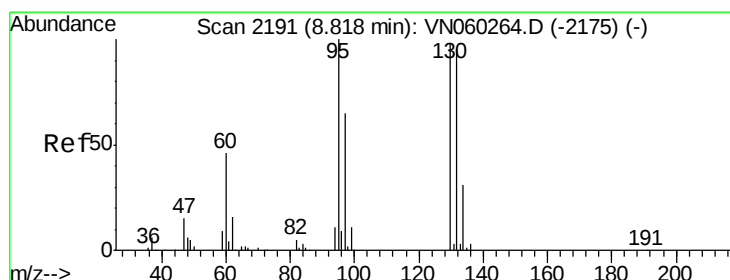
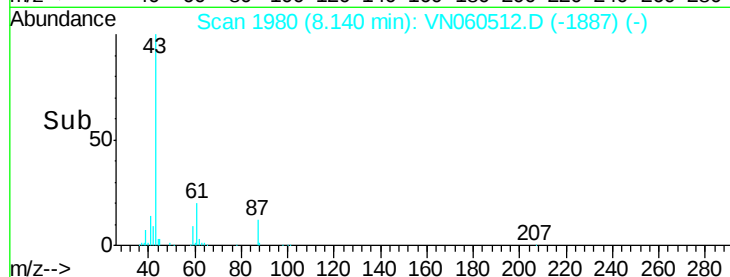
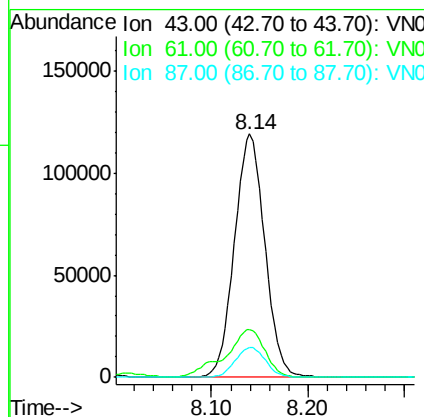
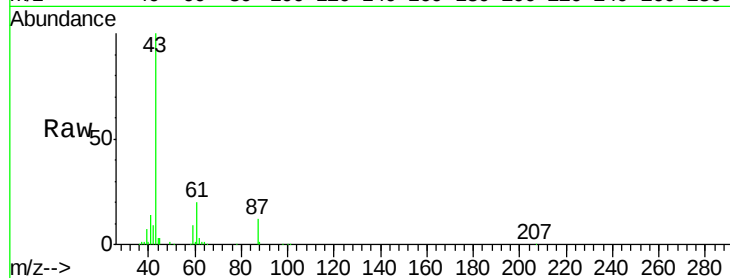
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	260433
Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.9	31.3
87	12.3	10.6	16.0

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#44

Trichloroethene

Concen: 41.942 ug/l

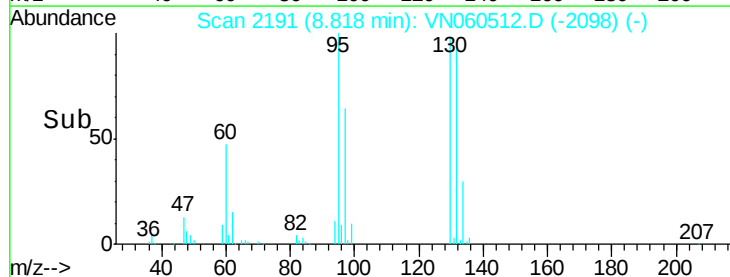
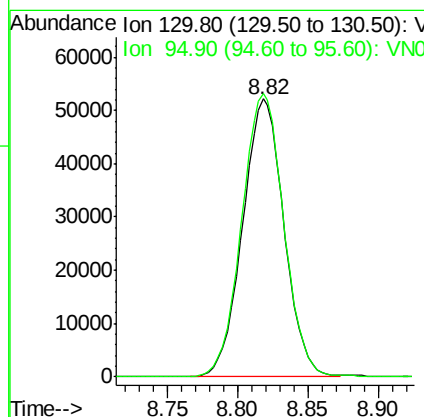
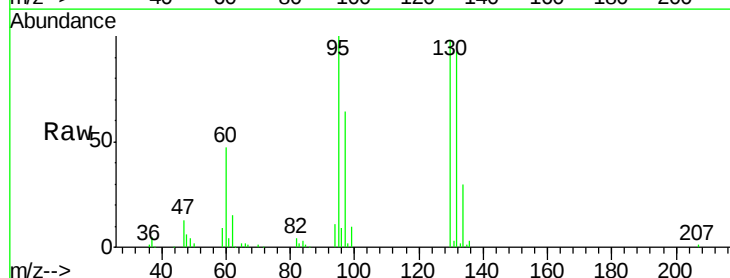
RT: 8.82 min Scan# 2191

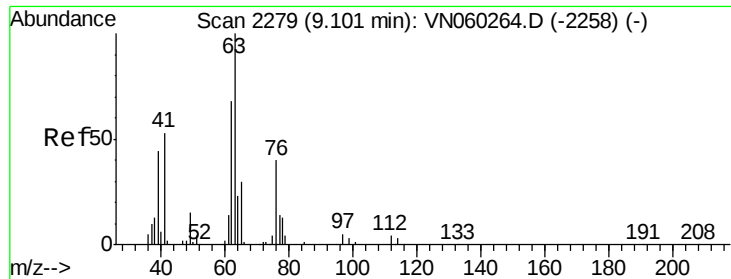
Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion:	130	Resp:	106983
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	203.4





#45

1,2-Dichloropropane

Concen: 48.563 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 116287

Ion Ratio Lower Upper

63 100

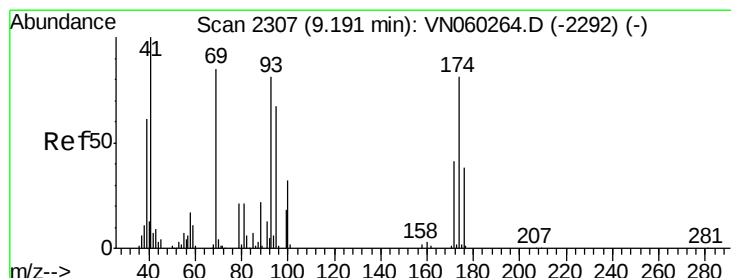
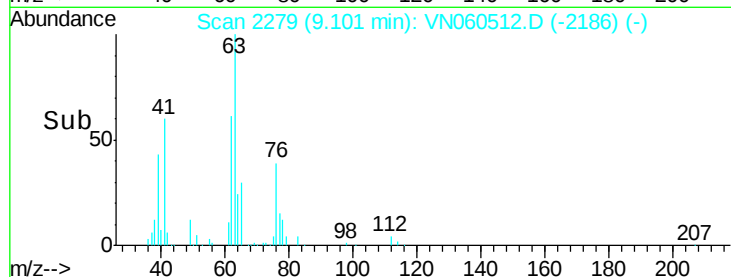
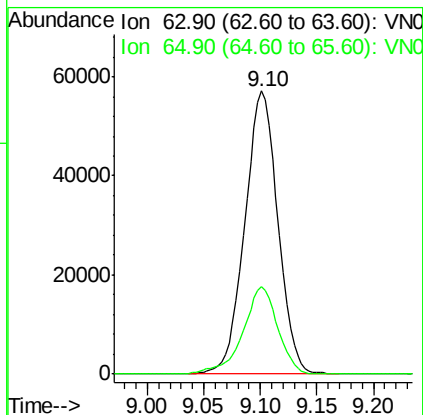
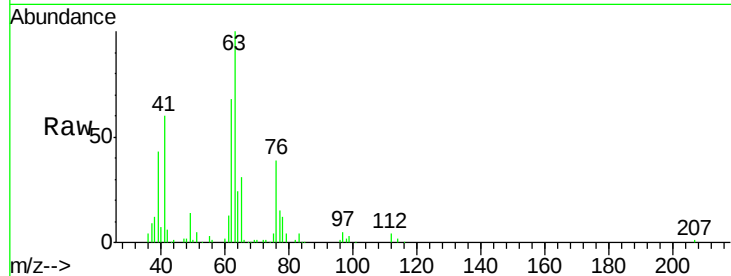
65 30.9 24.4 36.6

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#46

Dibromomethane

Concen: 45.668 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

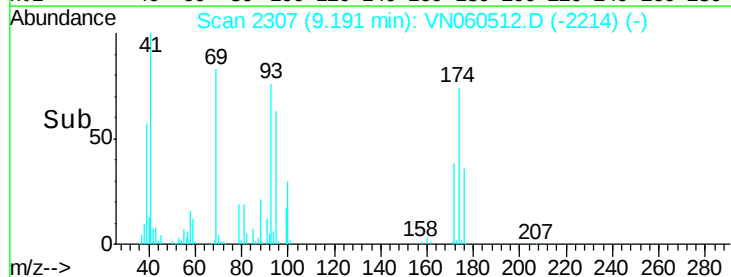
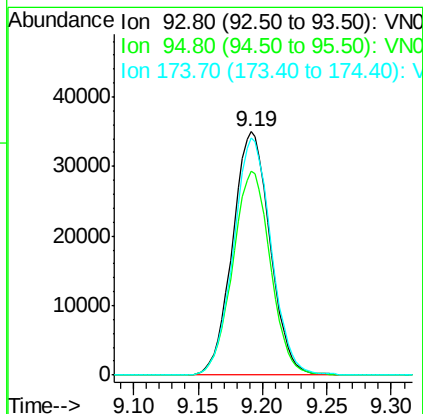
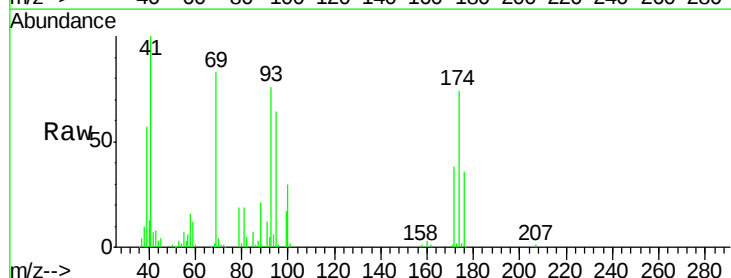
Tgt Ion: 93 Resp: 70957

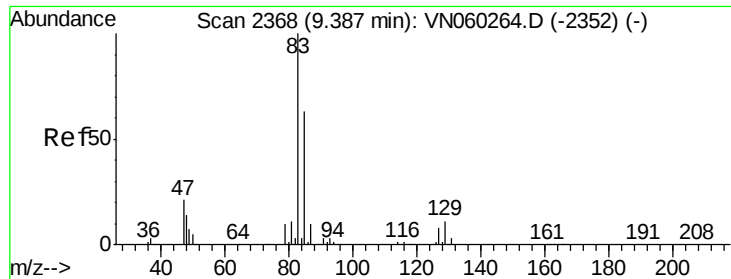
Ion Ratio Lower Upper

93 100

95 84.0 65.9 98.9

174 97.7 79.6 119.4





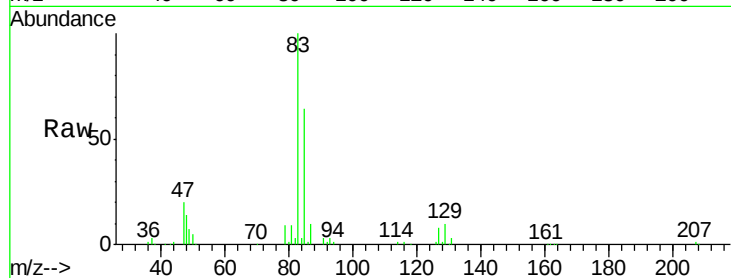
#47
Bromodichloromethane
Concen: 48.336 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

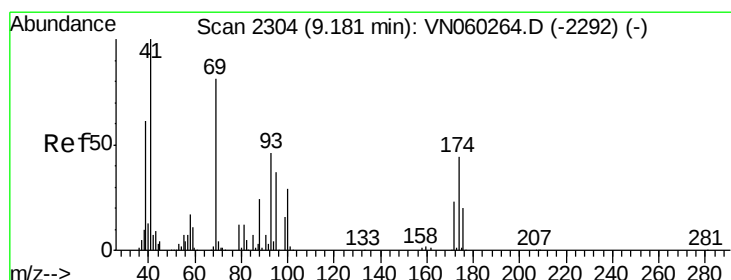
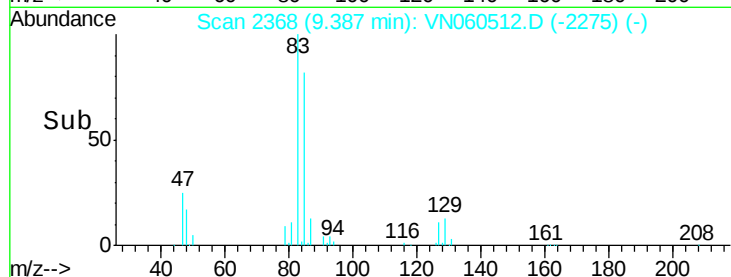
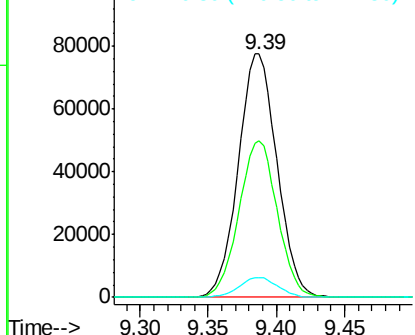
Tot Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.7	76.1
127	8.3	6.8	10.2

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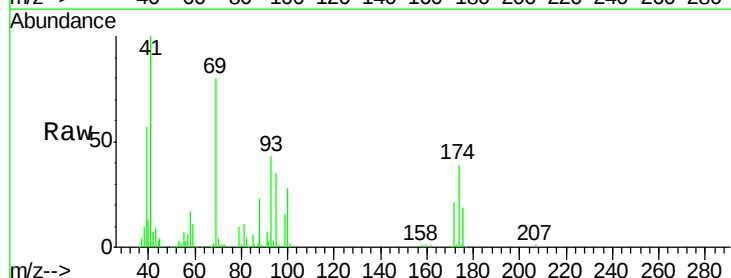


Abundance Ion 82.90 (82.60 to 83.60): VN060512.D (-2275) (-)
Ion 84.90 (84.60 to 85.60): VN060512.D (-2275) (-)
Ion 126.80 (126.50 to 127.50): VN060512.D (-2275) (-)

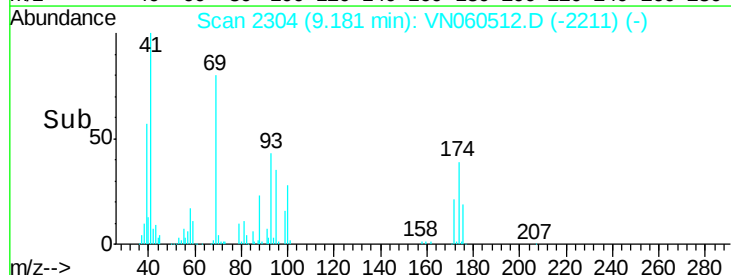
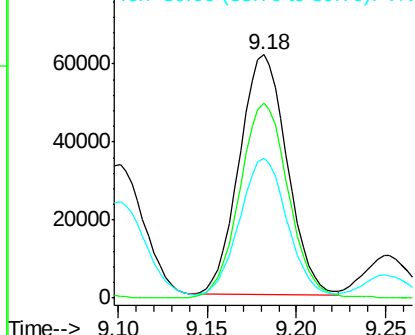


#48
Methyl methacrylate
Concen: 48.369 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	66.7	100.1
39	59.0	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060512.D (-2211) (-)
Ion 69.00 (68.70 to 69.70): VN060512.D (-2211) (-)
Ion 39.00 (38.70 to 39.70): VN060512.D (-2211) (-)





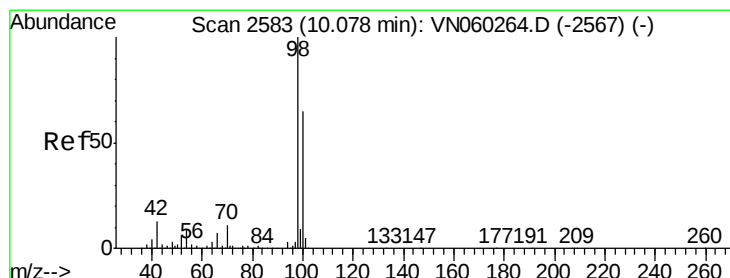
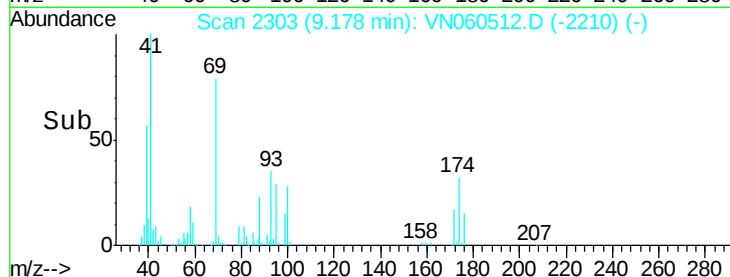
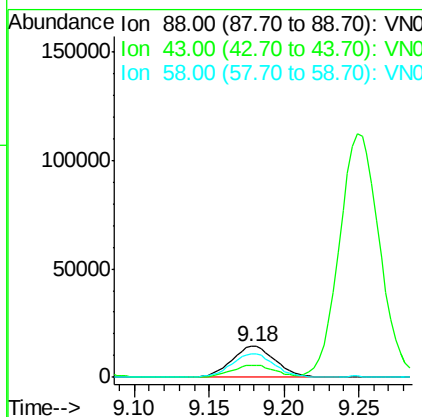
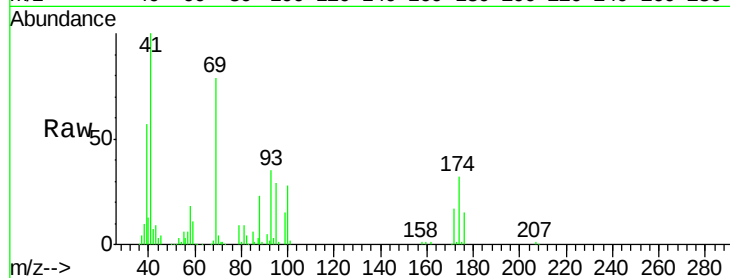
#49
1,4-Dioxane
Concen: 869.558 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	30.4	45.6
58	74.8	57.0	85.6

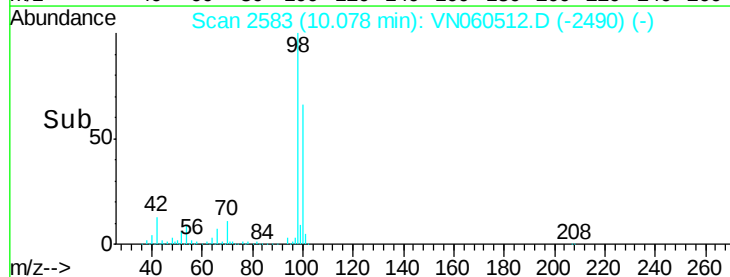
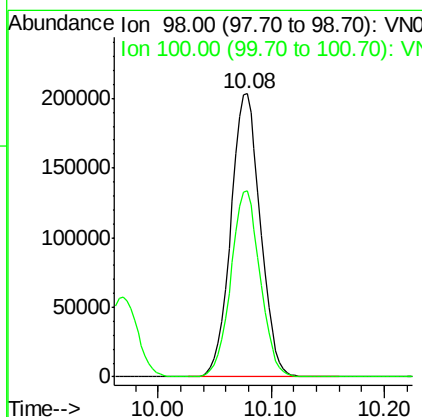
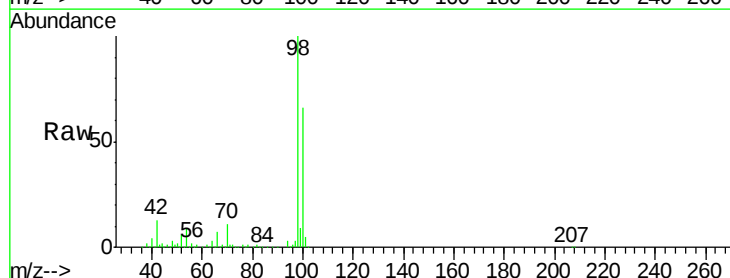
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#50
Toluene-d8
Concen: 47.505 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 260.615 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 770768

Ion Ratio Lower Upper

43 100

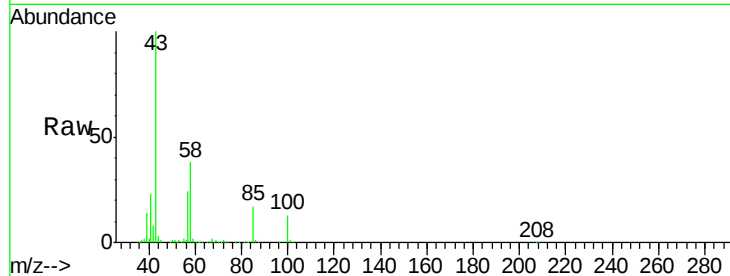
58 38.2 30.9 46.3

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Abundance Ion 43.00 (42.70 to 43.70): VN060512.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060512.D (-2531) (-)

9.97

400000

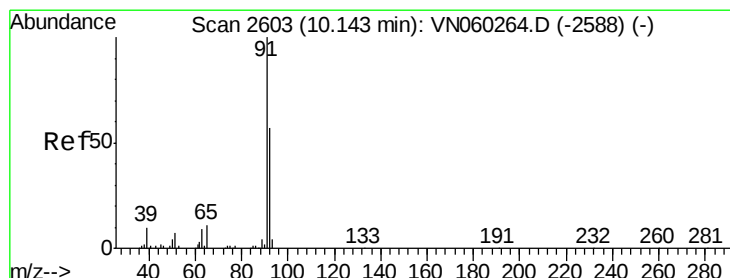
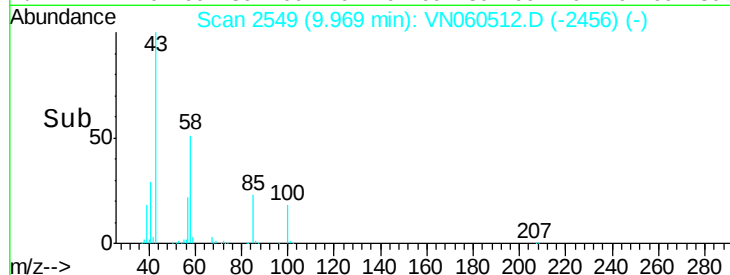
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 45.015 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060512.D

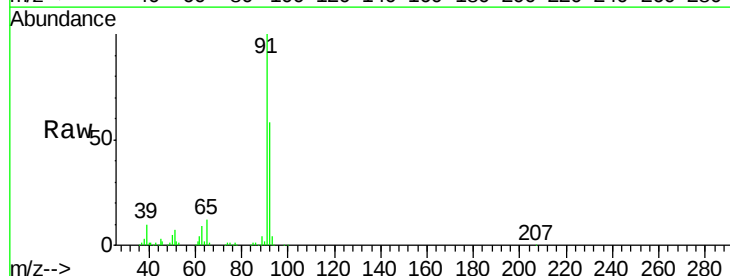
Acq: 13 Mar 2020 18:51

Tgt Ion: 92 Resp: 258979

Ion Ratio Lower Upper

92 100

91 171.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060512.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060512.D (-2510) (-)

10.14

250000

200000

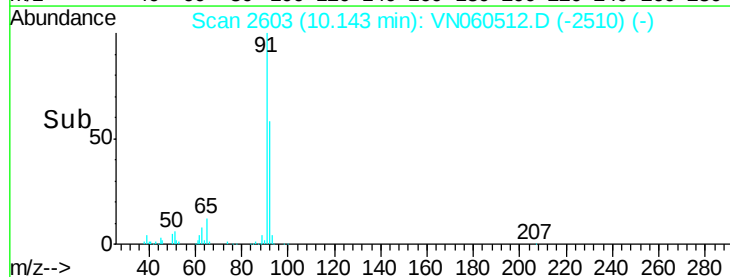
150000

100000

50000

0

Time-->





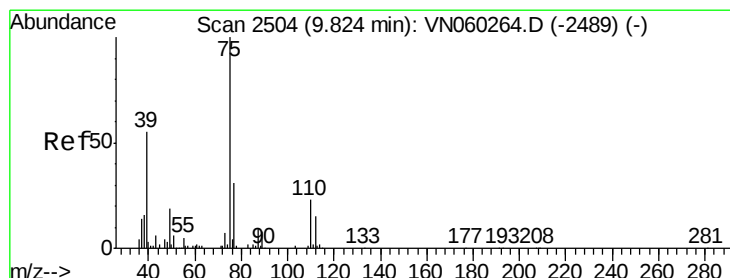
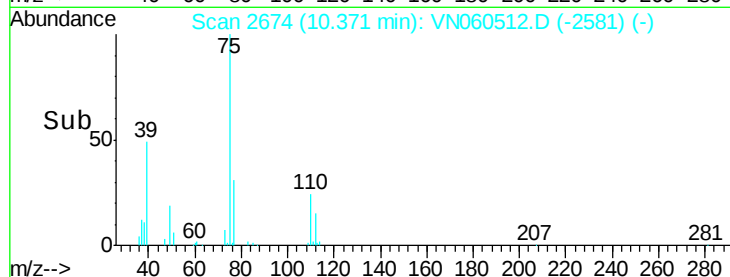
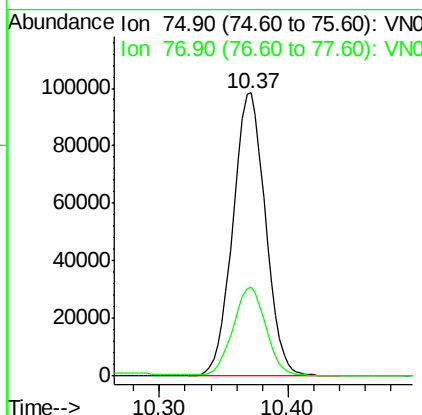
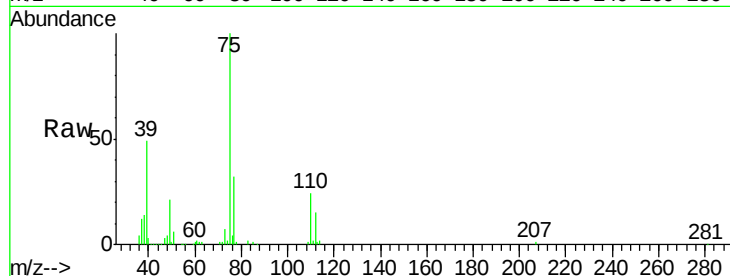
#53
t-1,3-Dichloropropene
Concen: 44.732 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2

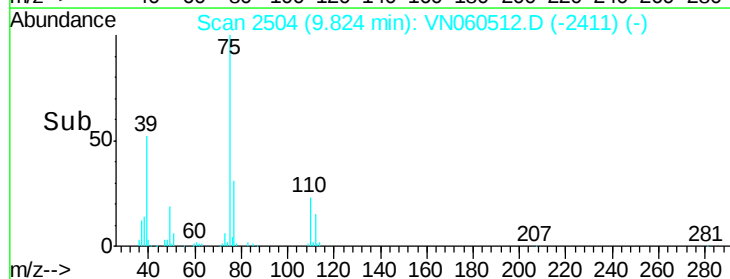
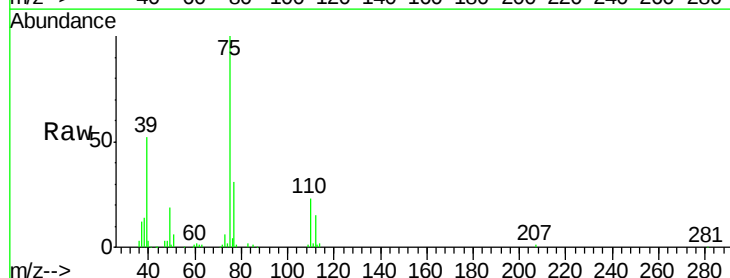
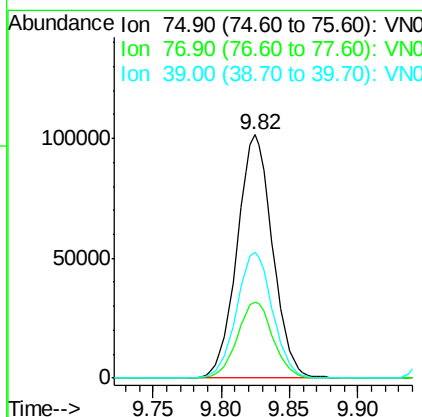
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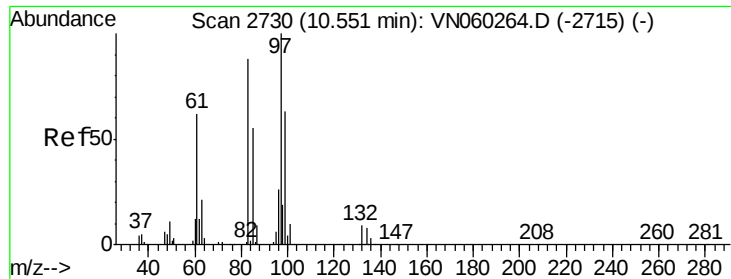
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#54
cis-1,3-Dichloropropene
Concen: 45.602 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2
39	51.8	43.8	65.8





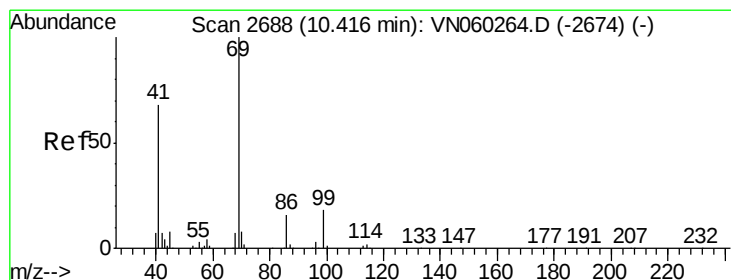
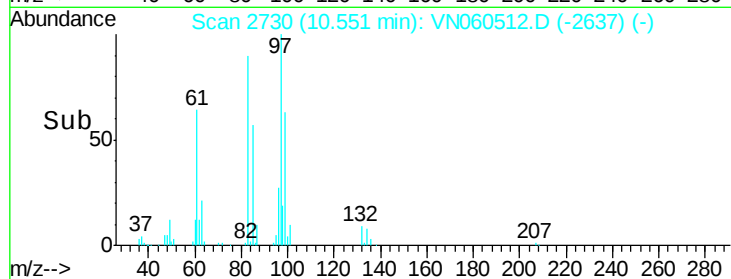
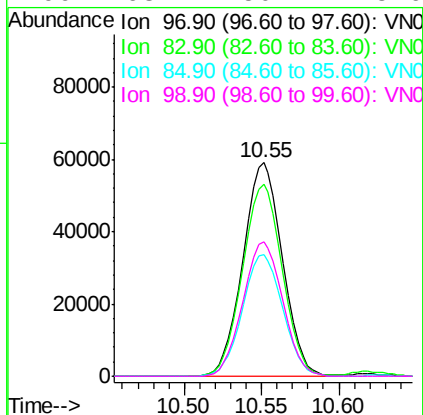
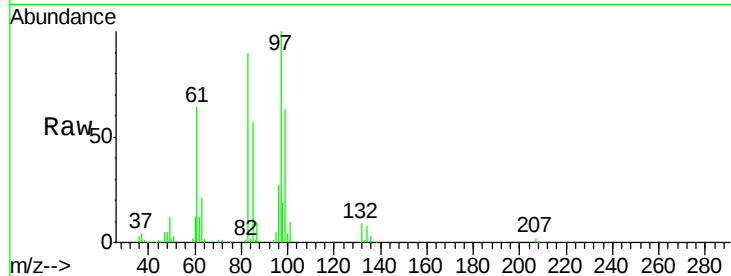
#55
 1,1,2-Trichloroethane
 Concen: 45.445 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	105141
Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.0	105.0
85	56.9	44.0	66.0
99	63.2	50.4	75.6

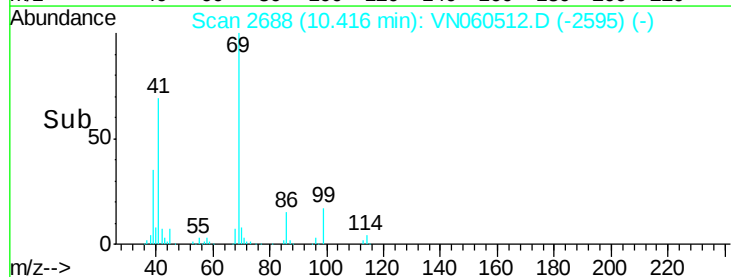
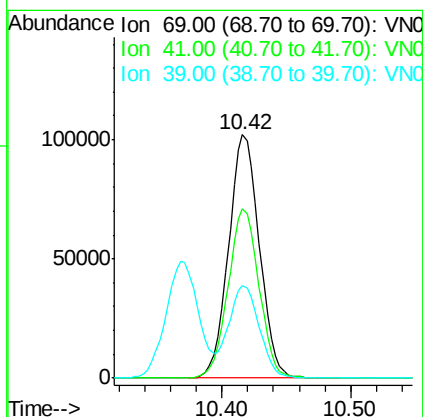
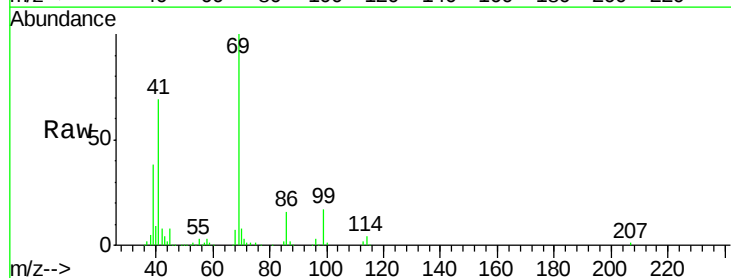
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#56
 Ethyl methacrylate
 Concen: 50.752 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion:	69	Resp:	168692
Ion	Ratio	Lower	Upper
69	100		
41	69.3	54.1	81.1
39	38.4	32.5	48.7





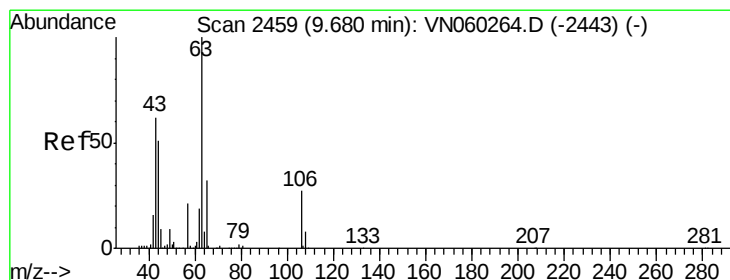
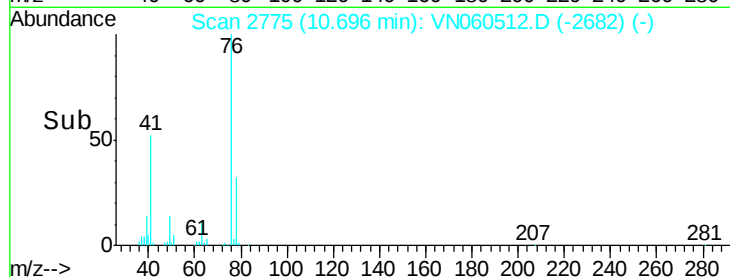
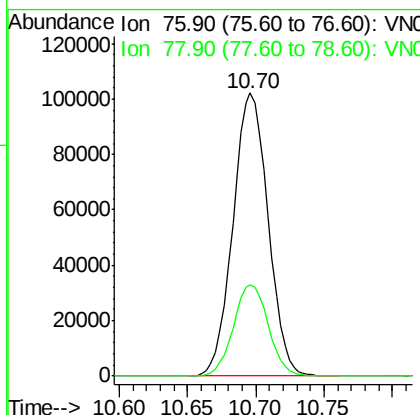
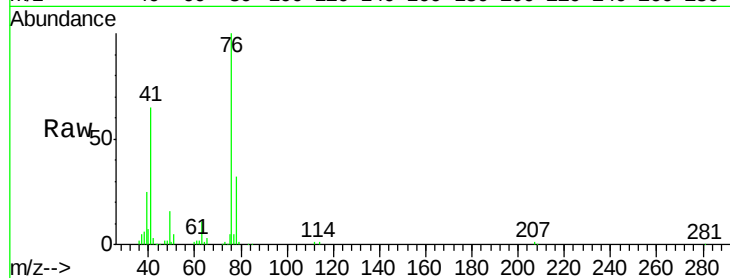
#57
 1,3-Dichloropropane
 Concen: 48.441 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.2

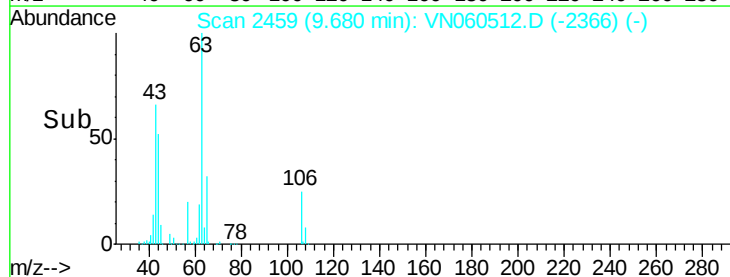
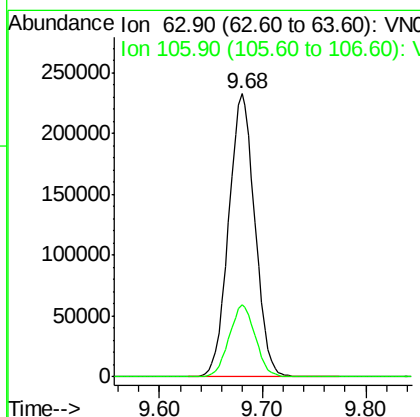
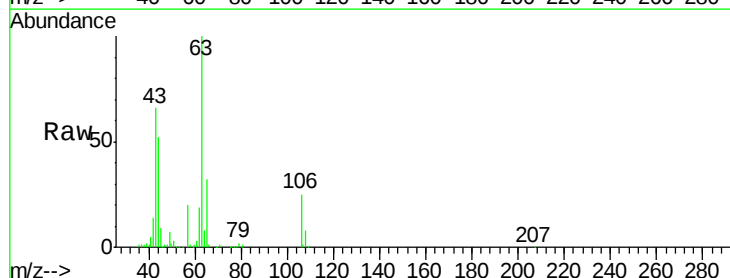
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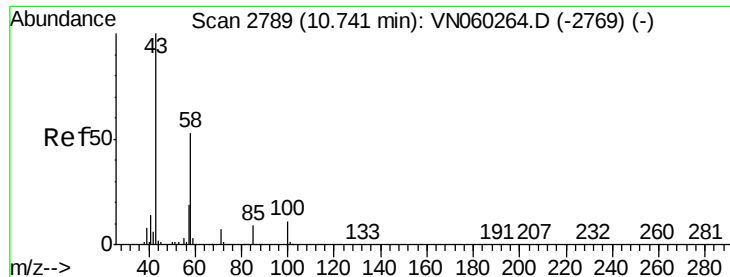
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#58
 2-Chloroethyl Vinyl ether
 Concen: 237.261 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	21.1	31.7





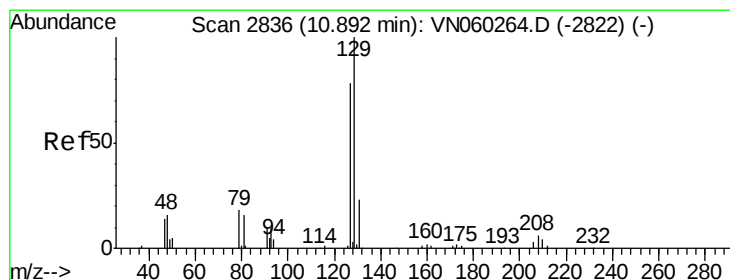
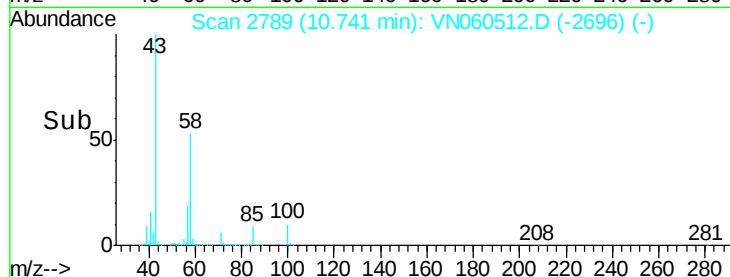
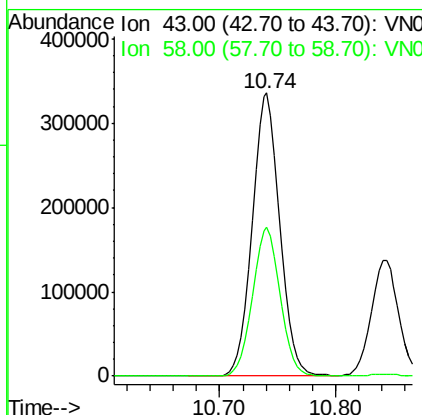
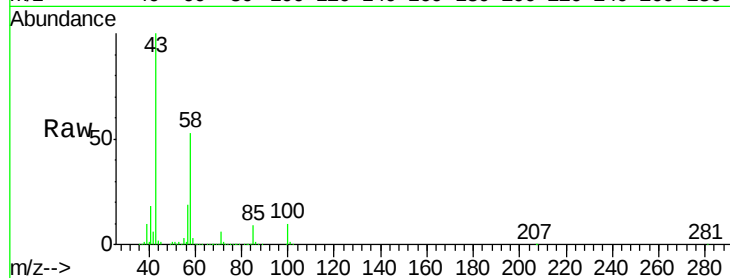
#59
2-Hexanone
Concen: 256.325 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 556600
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

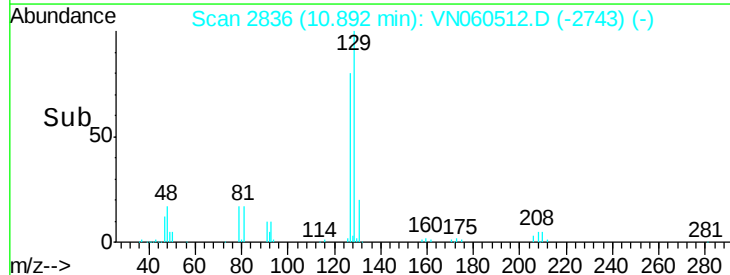
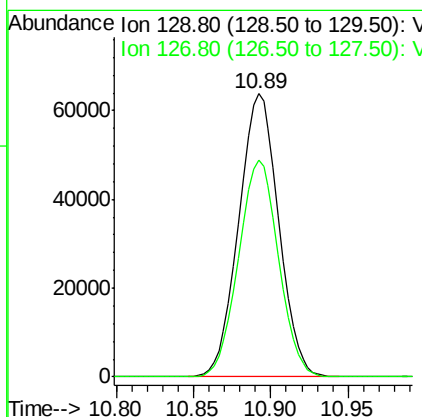
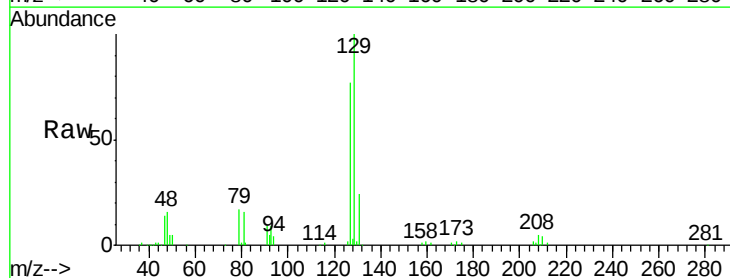
Manual Integrations
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#60
Dibromochloromethane
Concen: 48.652 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 129 Resp: 114469
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7





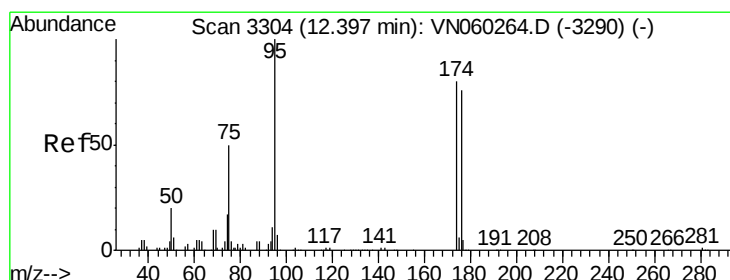
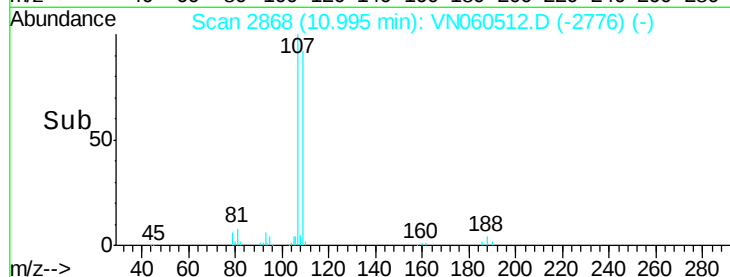
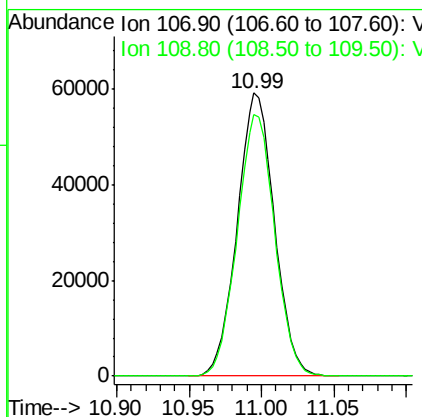
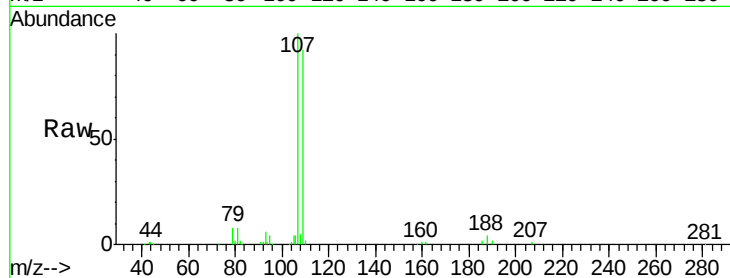
#61
 1,2-Dibromoethane
 Concen: 46.754 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.8	115.2

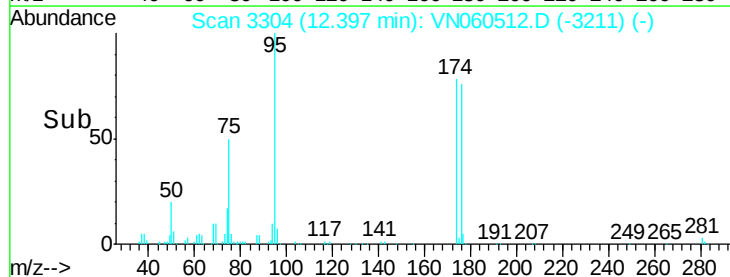
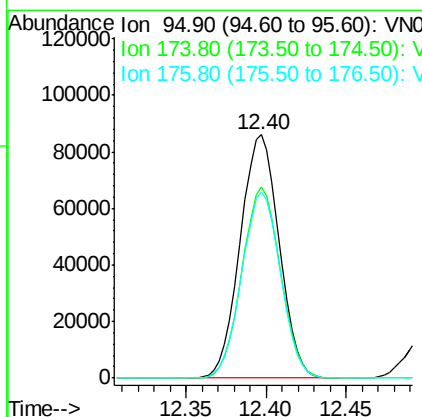
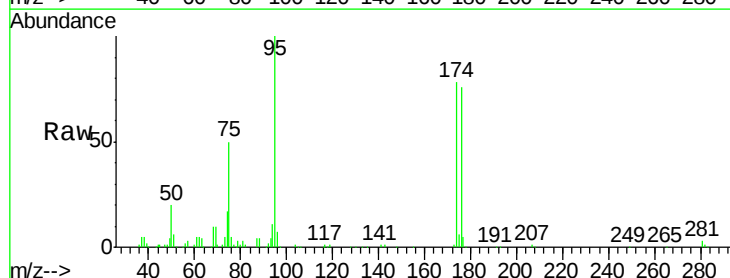
Manual Integrations
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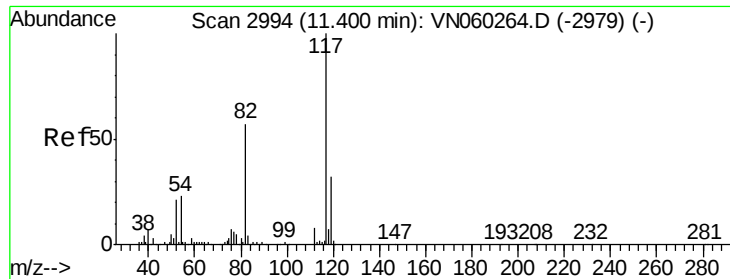
MMDadoda
 3/16/2020 2:04:55 PM



#62
 4-Bromofluorobenzene
 Concen: 48.624 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	159.2
176	76.2	0.0	153.8





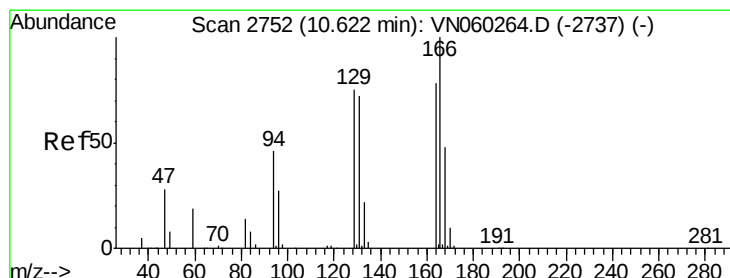
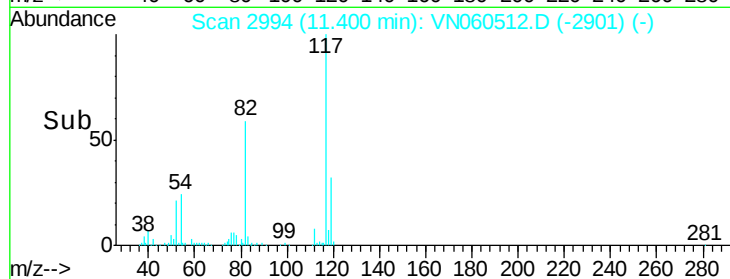
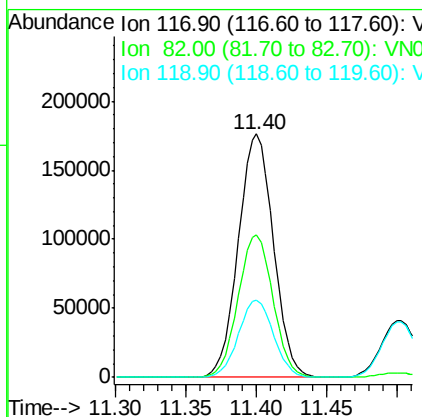
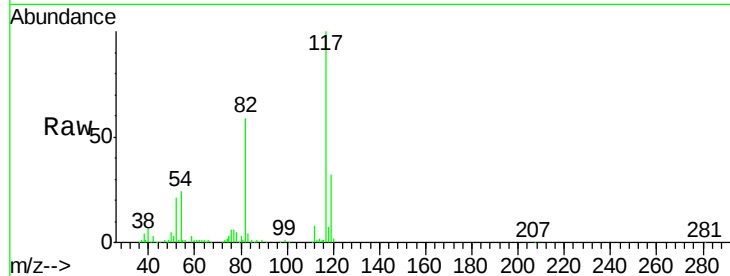
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307848		
82	58.6		45.8	68.6
119	31.8		25.8	38.8

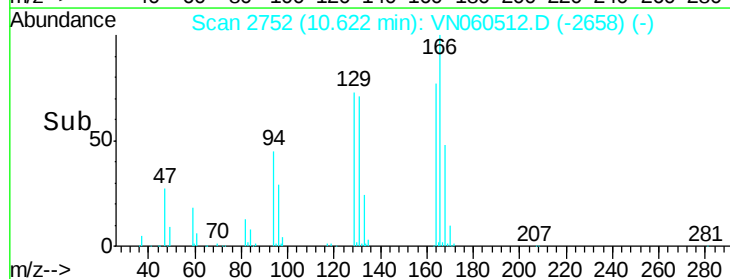
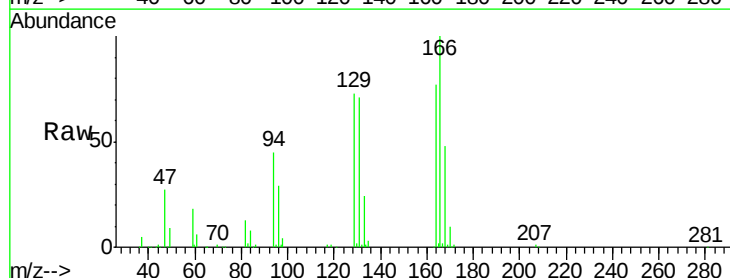
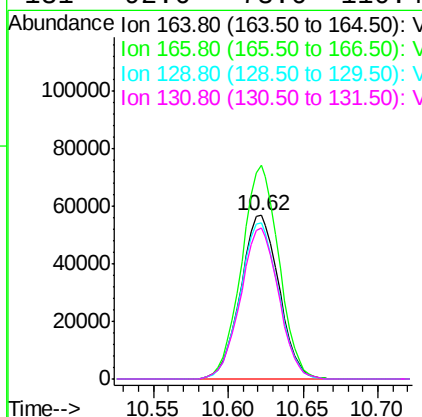
Manual Integrations
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#64
Tetrachloroethene
Concen: 41.632 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101483		
166	130.5		102.0	153.0
129	95.7		76.4	114.6
131	92.6		73.6	110.4





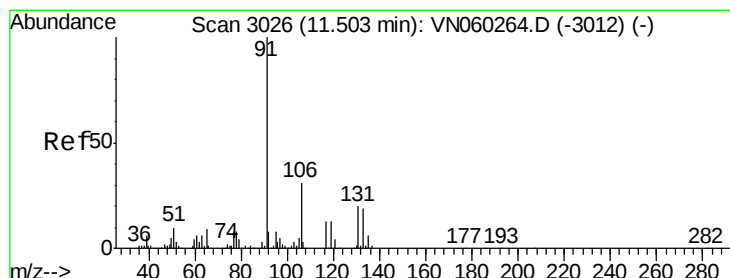
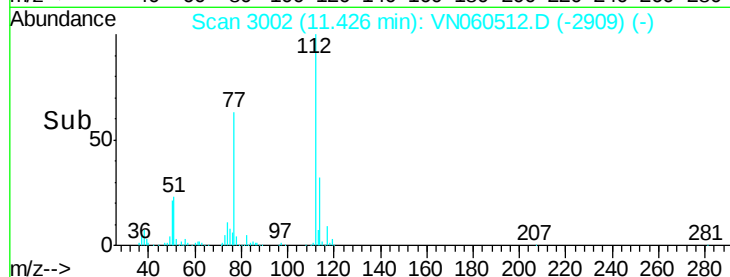
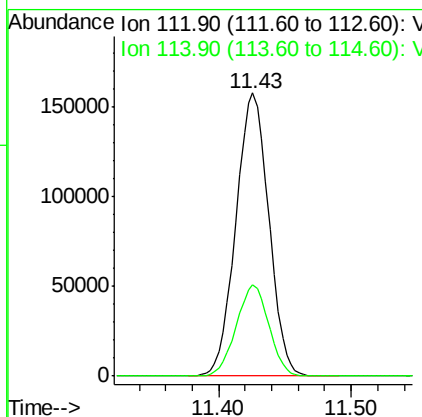
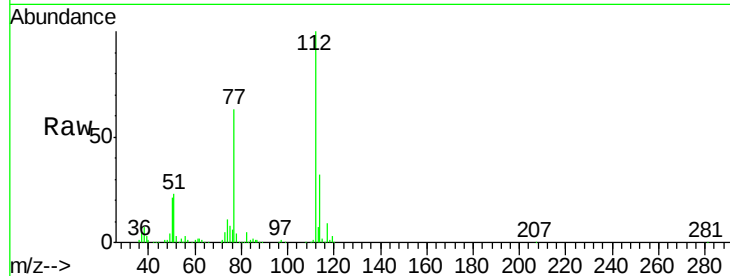
#65
Chlorobenzene
Concen: 43.724 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 271797
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0

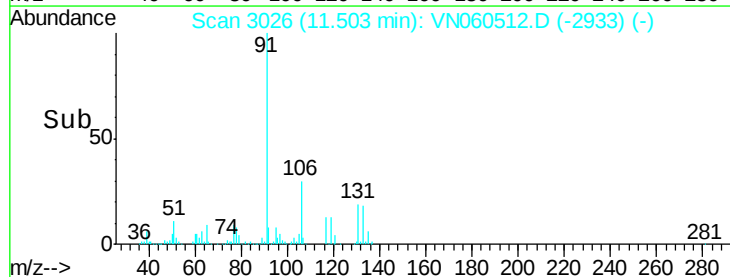
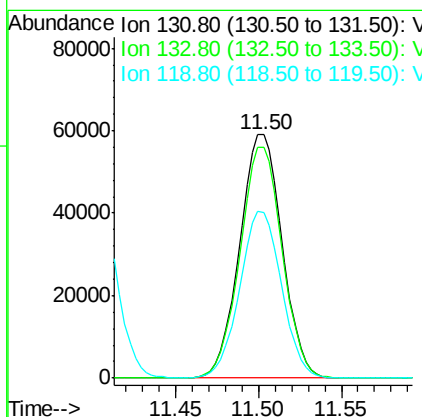
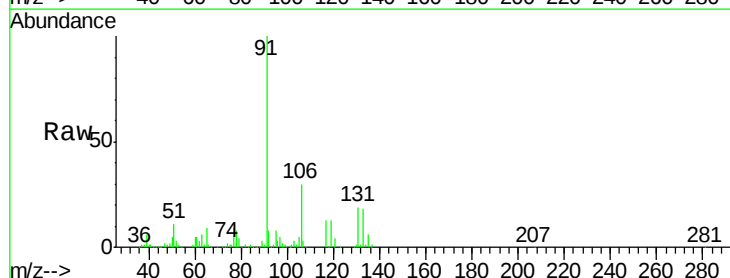
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 45.549 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion:131 Resp: 104690
Ion Ratio Lower Upper
131 100
133 94.8 47.7 143.1
119 67.5 33.2 99.6





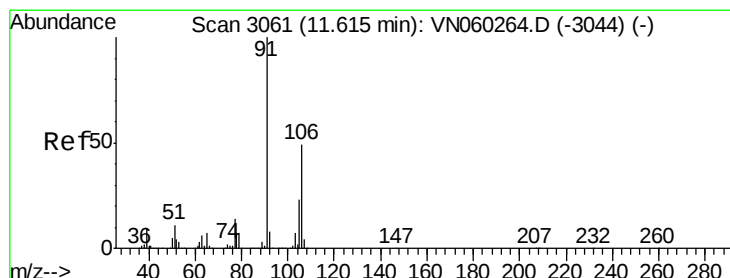
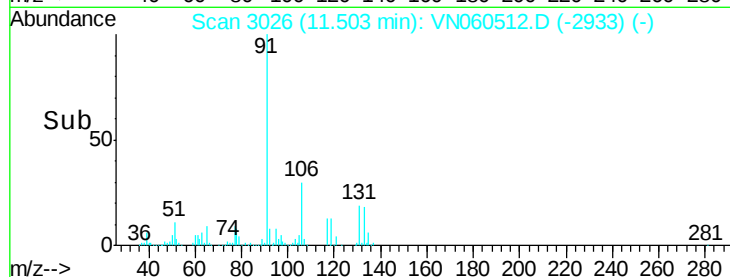
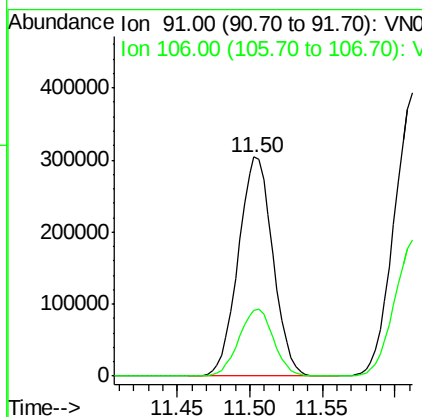
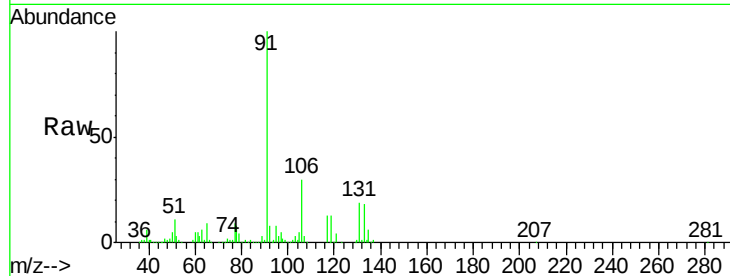
#67
Ethyl Benzene
Concen: 44.562 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 504458
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

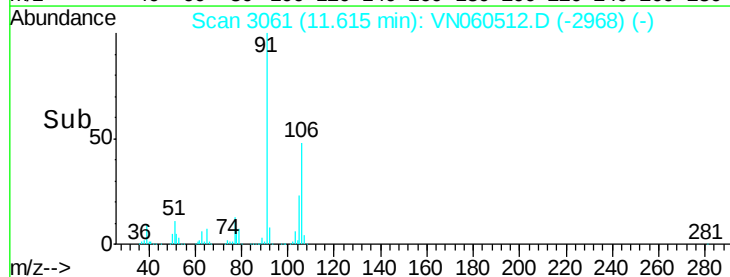
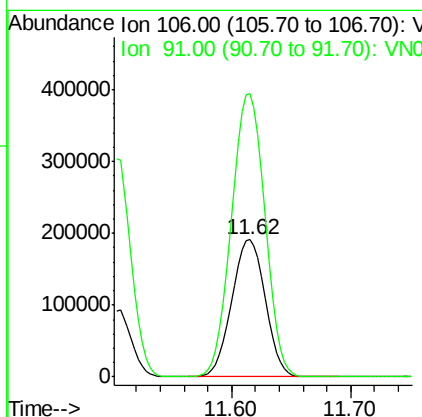
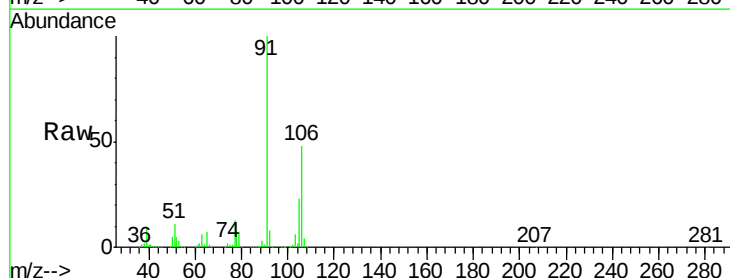
Manual Integrations
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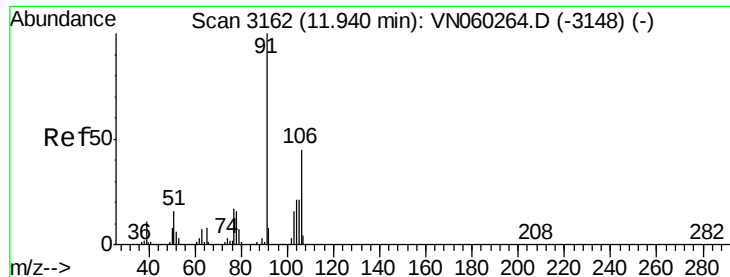
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#68
m/p-Xylenes
Concen: 87.310 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion: 106 Resp: 372905
Ion Ratio Lower Upper
106 100
91 206.8 164.5 246.7





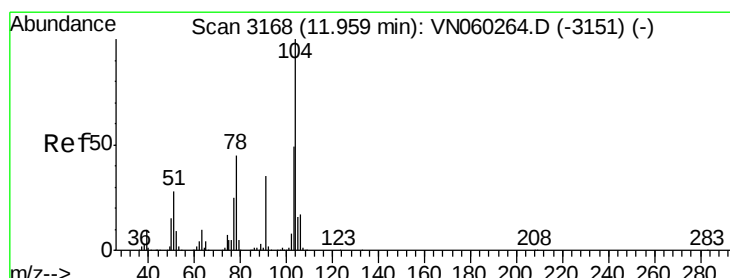
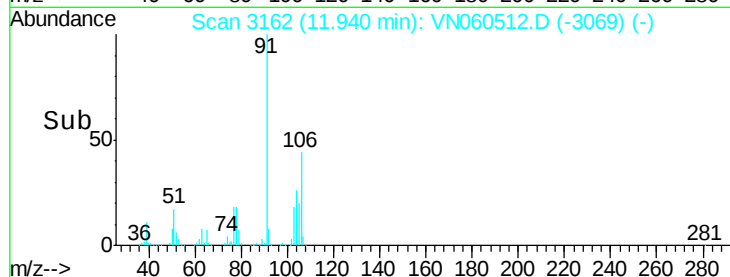
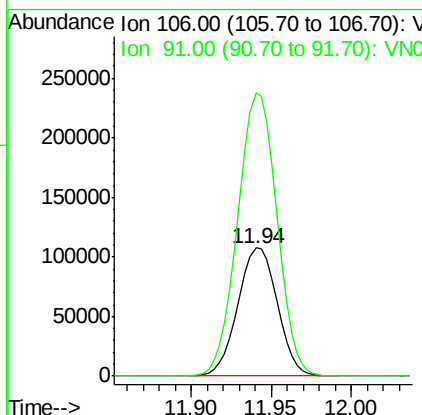
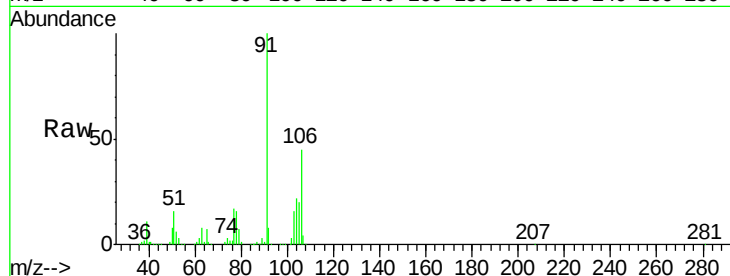
#69
o-Xylene
Concen: 44.521 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		181324		
91	219.4	109.5	328.4		

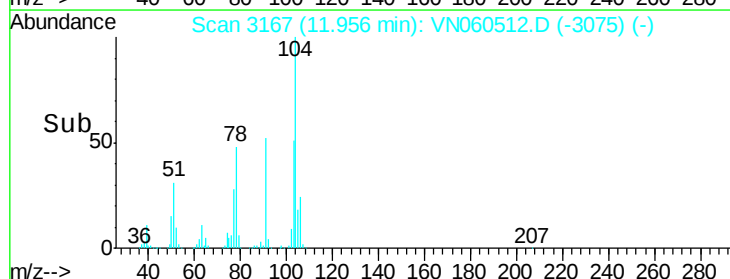
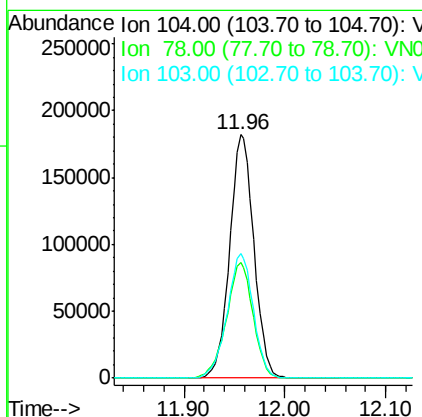
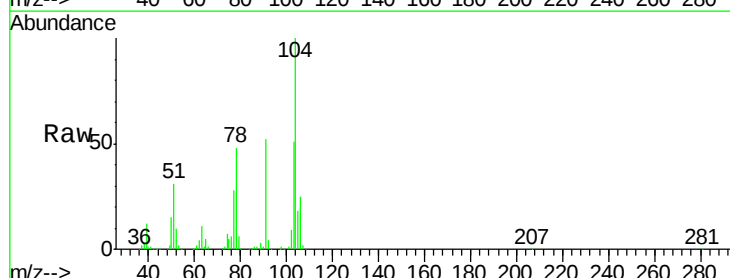
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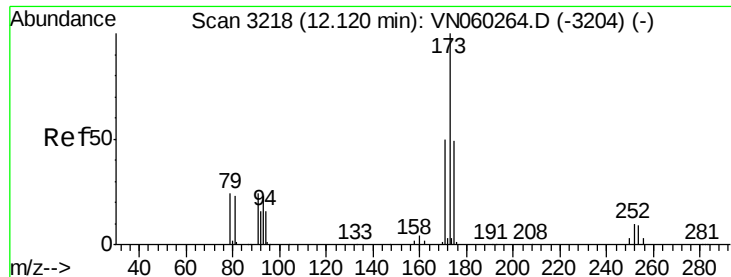
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#70
Styrene
Concen: 45.498 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		304663		
78	52.0	41.2	61.8		
103	55.3	43.9	65.9		





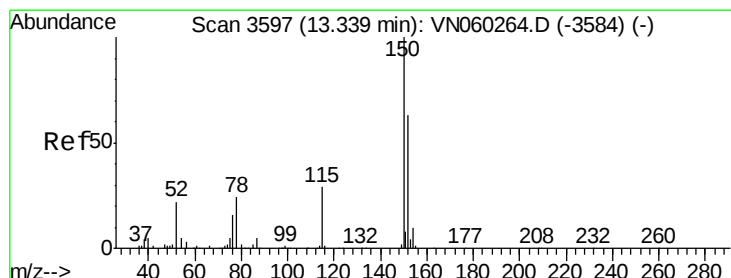
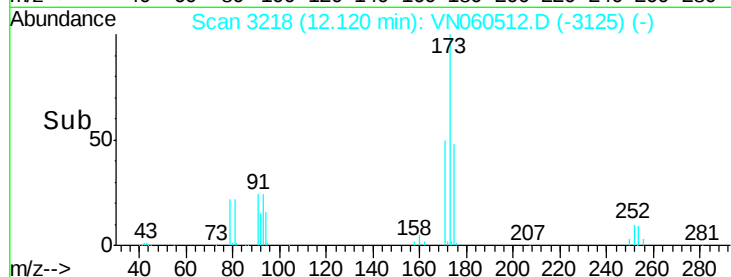
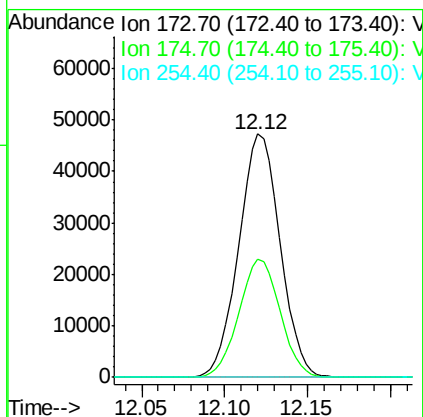
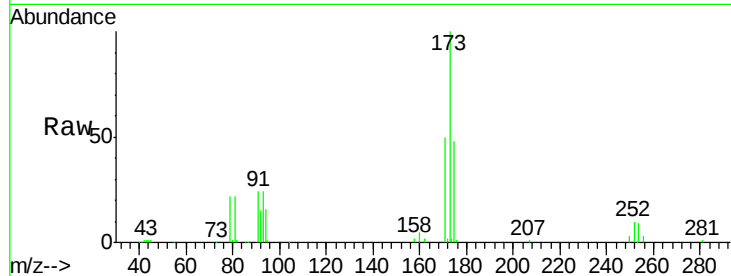
#71
Bromoform
Concen: 49.429 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.2
254	0.0	0.0	0.0

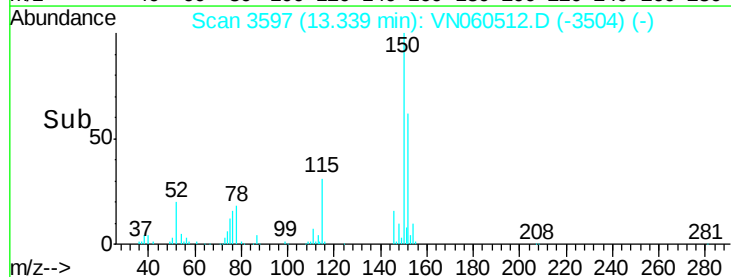
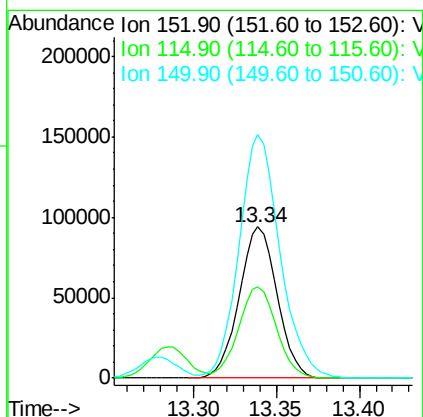
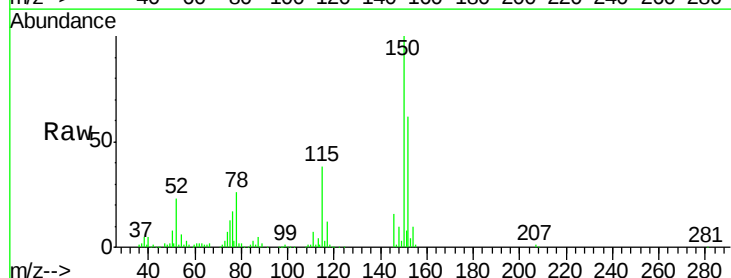
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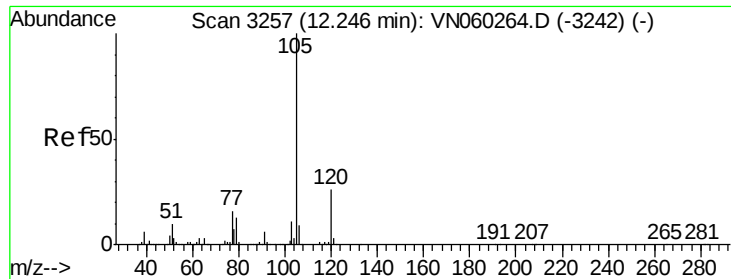
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.0	90.0
150	174.0	0.0	349.6





#73

Isopropylbenzene

Concen: 44.416 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 492056

Ion Ratio Lower Upper

105 100

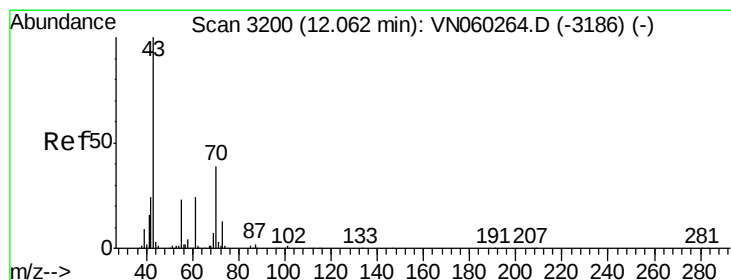
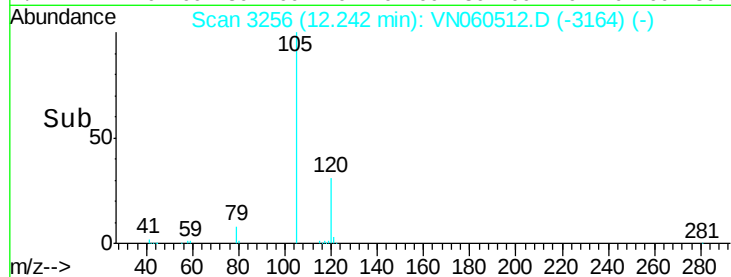
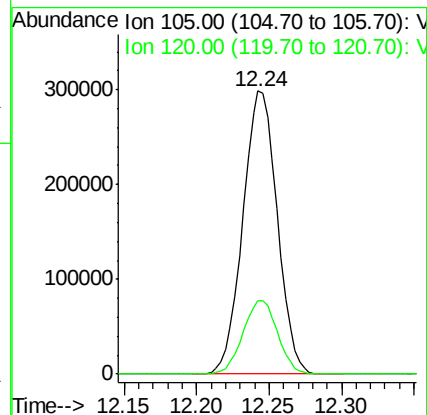
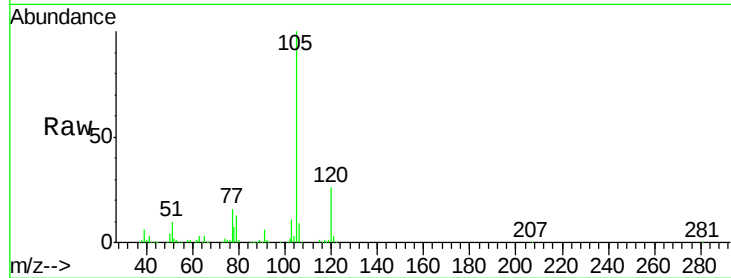
120 26.1 13.0 38.9

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#74

N-ethyl acetate

Concen: 47.227 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion: 43 Resp: 228624

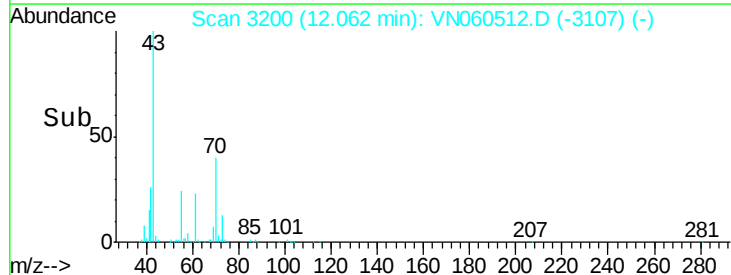
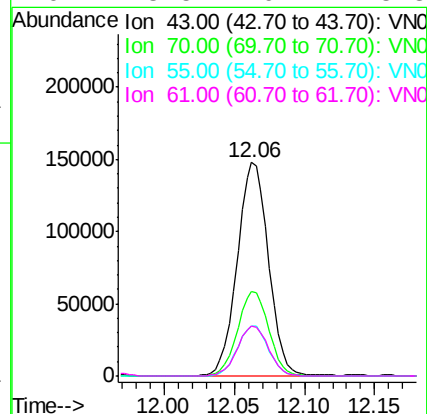
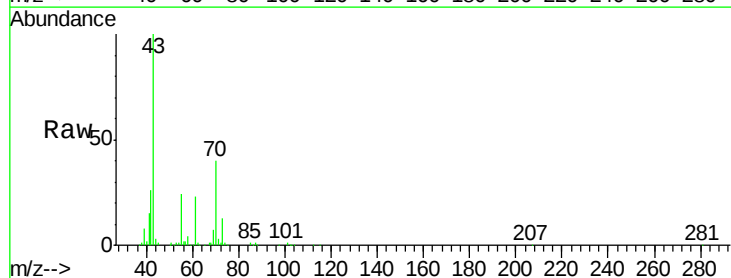
Ion Ratio Lower Upper

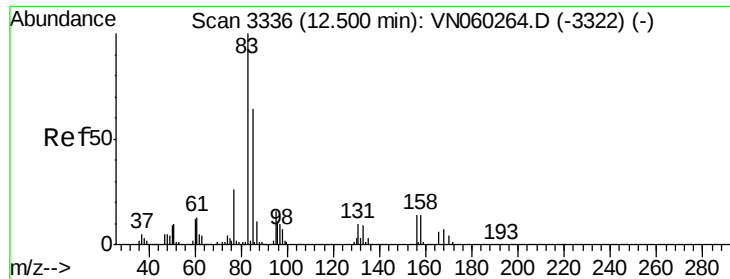
43 100

70 39.6 32.2 48.2

55 23.5 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.987 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

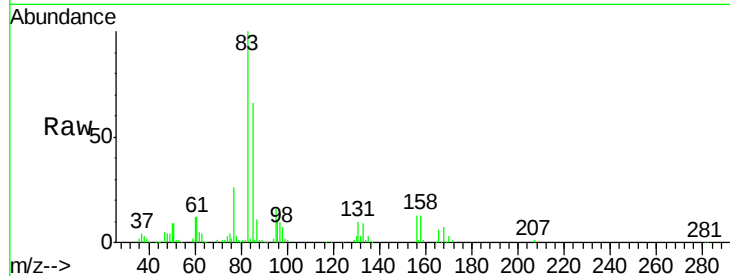
ClientSampleId :

VSTDCCC050EC

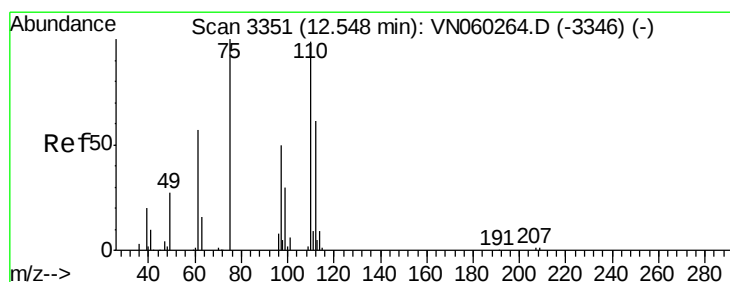
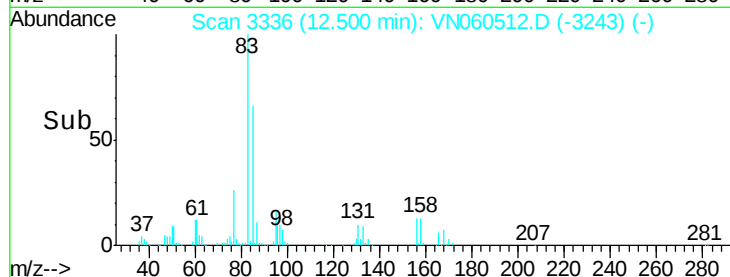
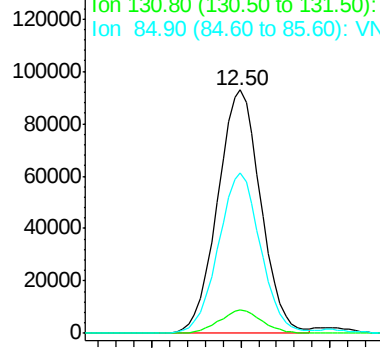
Tot Ion:	83	Resp:	156551
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	64.6	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060512.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 42.842 ug/l m

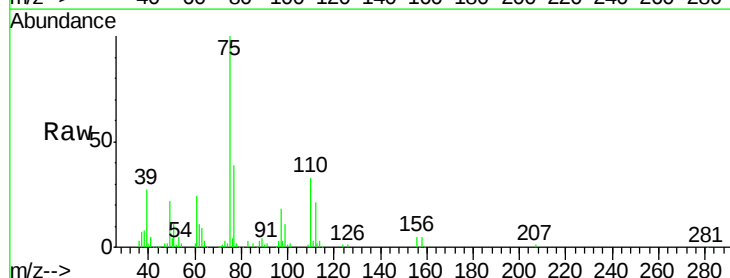
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

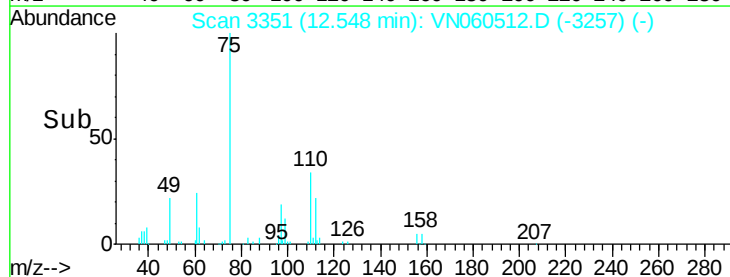
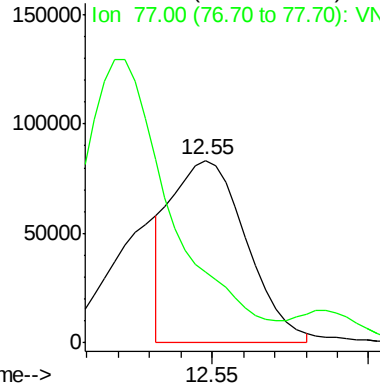
Lab File: VN060512.D

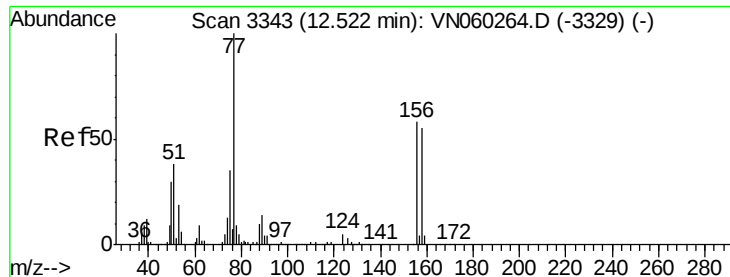
Acq: 13 Mar 2020 18:51

Tgt Ion:	75	Resp:	140493
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060512.D (-3257) (-)





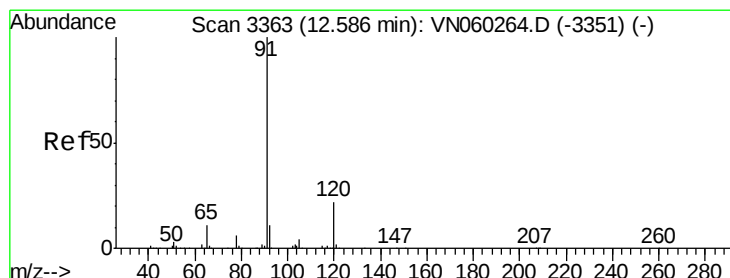
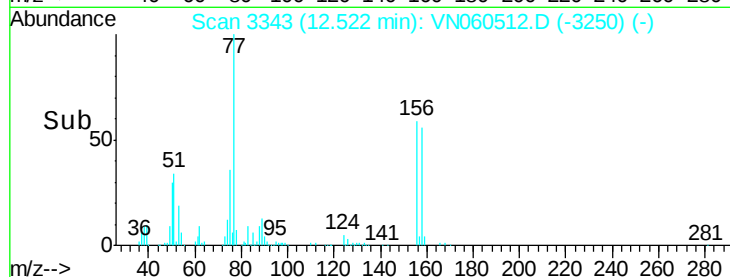
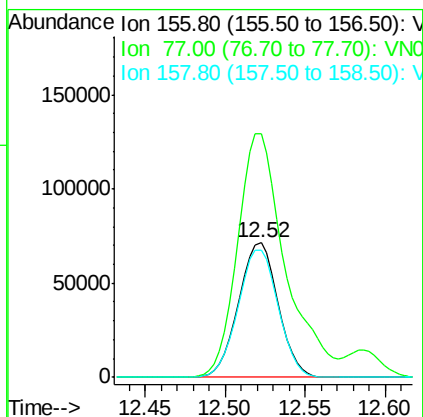
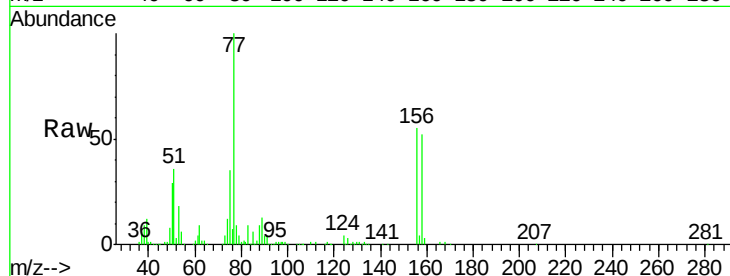
#77
Bromobenzene
Concen: 44.135 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.0	106.1	318.3
158	96.3	48.3	144.8

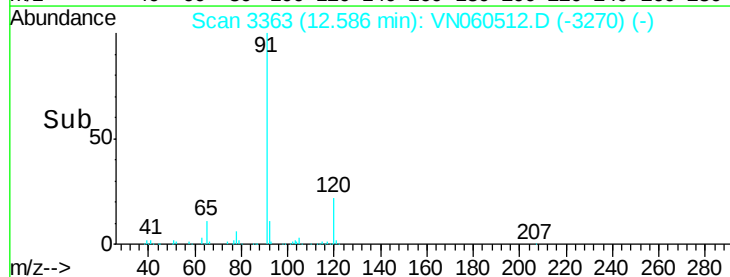
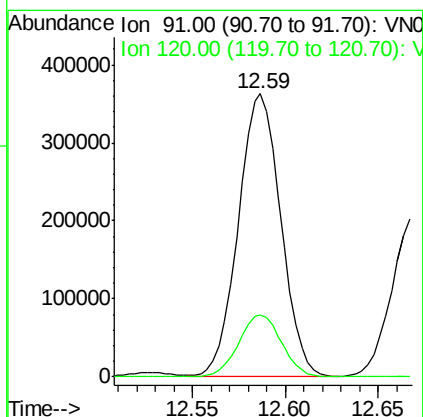
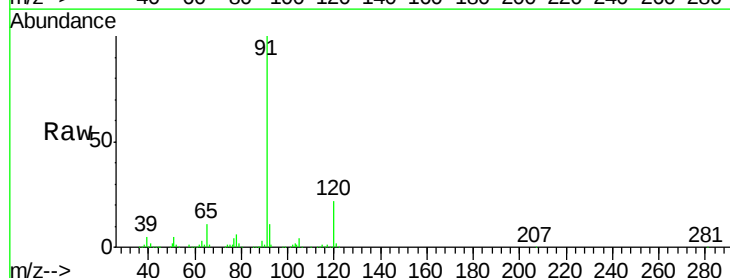
Manual Integrations
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#78
n-propylbenzene
Concen: 44.308 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.9





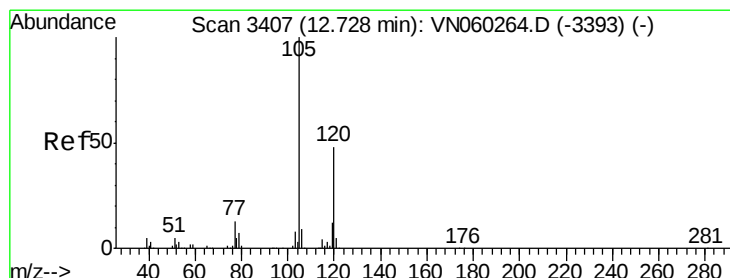
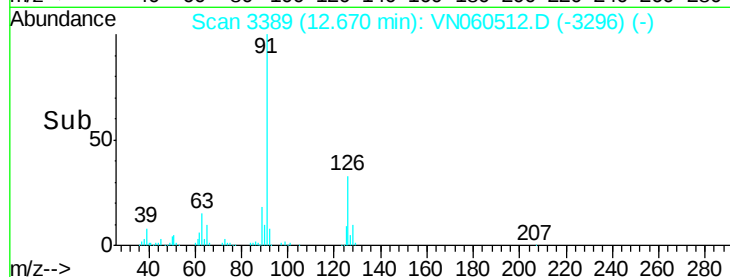
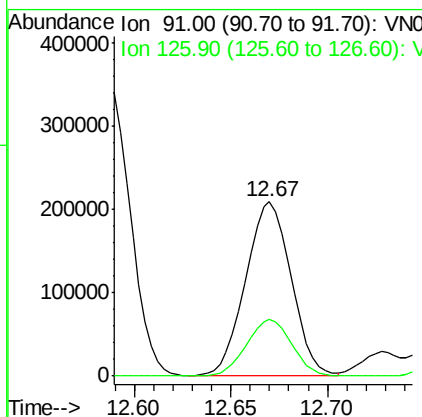
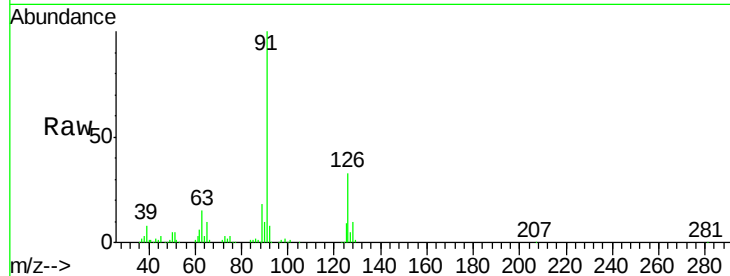
#79
 2-Chlorotoluene
 Concen: 45.070 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 344029
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.6 49.8

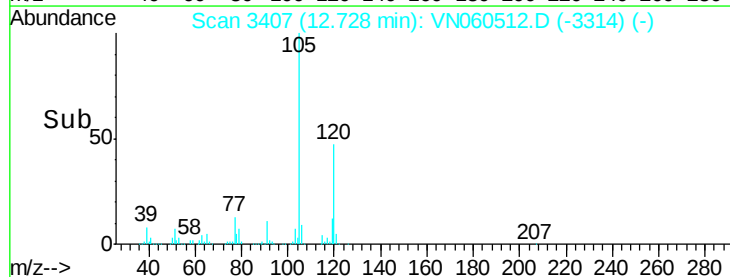
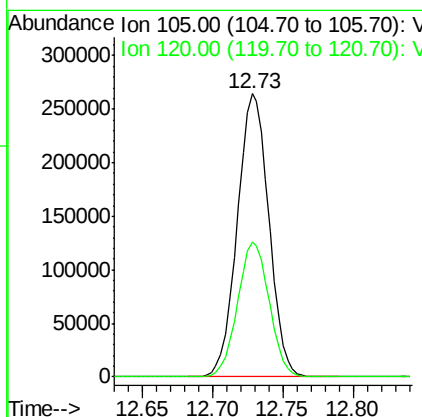
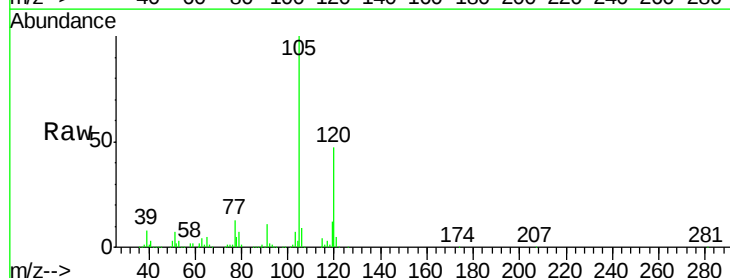
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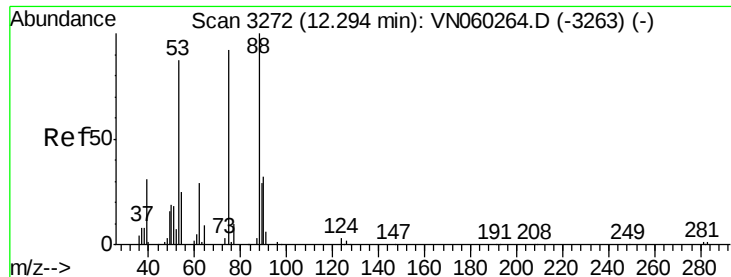
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#80
 1,3,5-Trimethylbenzene
 Concen: 44.402 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion: 105 Resp: 414156
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.1 72.4





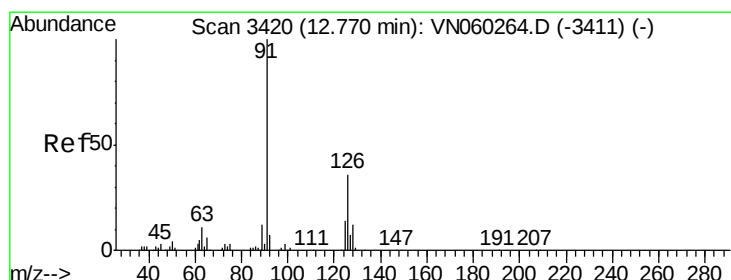
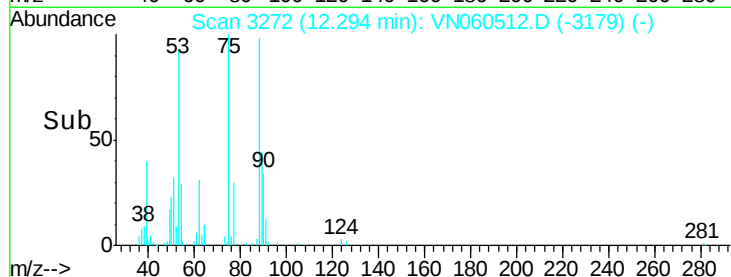
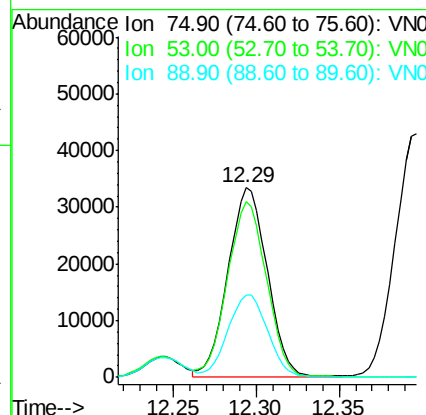
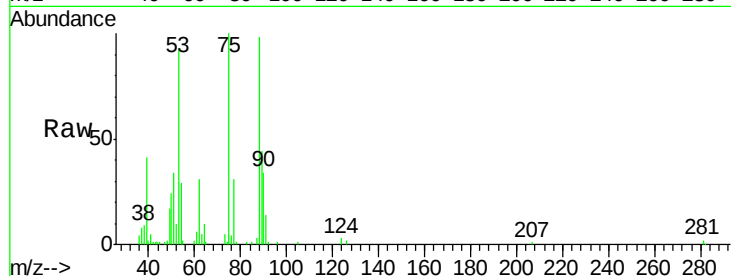
#81
trans-1,4-Dichloro-2-butene
Concen: 46.806 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.5	73.8	110.6
89	43.7	57.1	85.7#

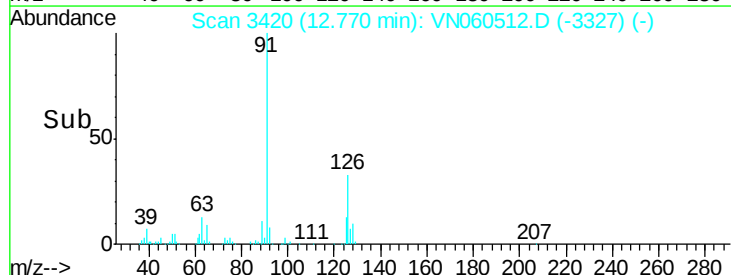
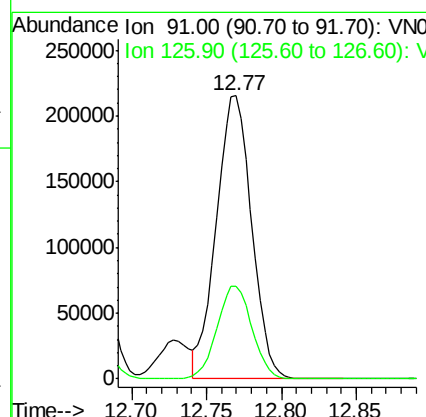
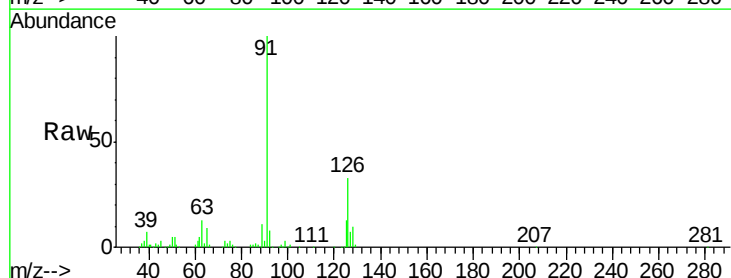
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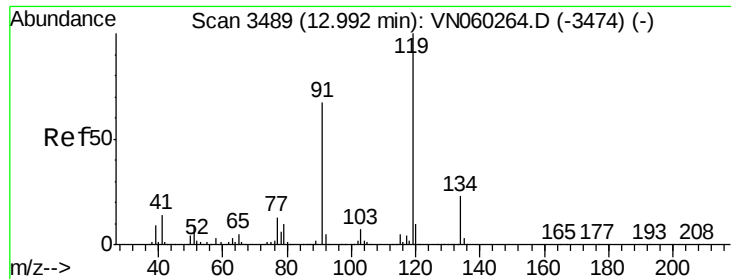
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#82
4-Chlorotoluene
Concen: 44.052 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





#83

tert-Butylbenzene

Concen: 43.513 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

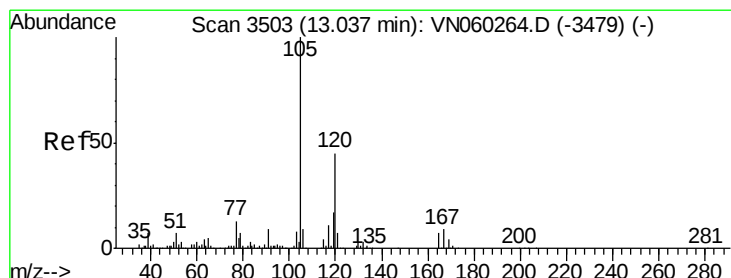
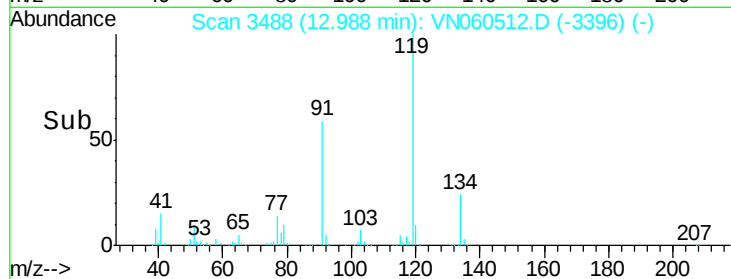
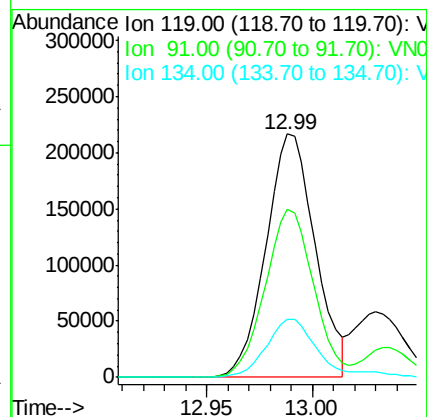
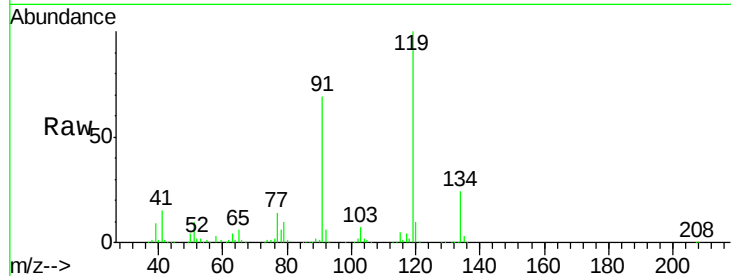
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	351399
Ion Ratio	Lower	Upper	
119	100		
91	68.1	33.1	99.2
134	25.4	12.4	37.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 44.371 ug/l

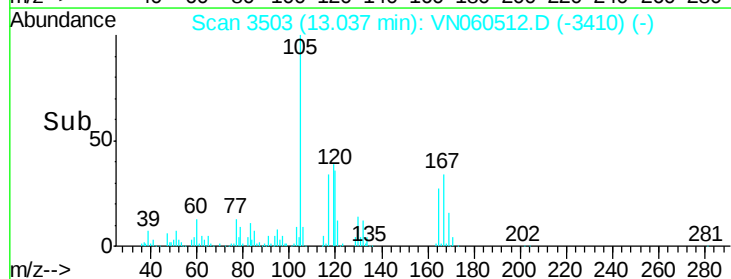
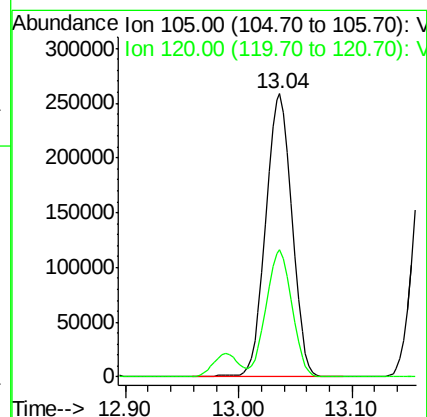
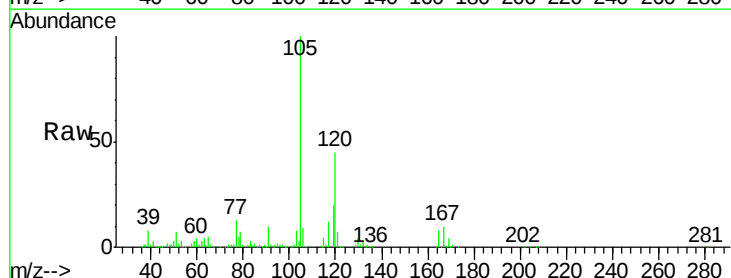
RT: 13.04 min Scan# 3503

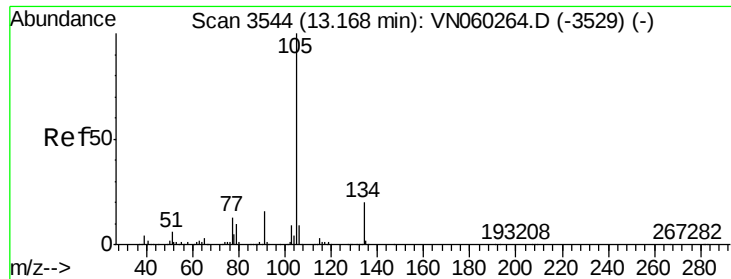
Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion:	105	Resp:	417729
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.3	66.9





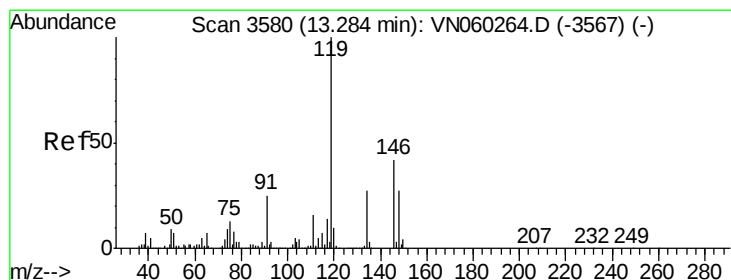
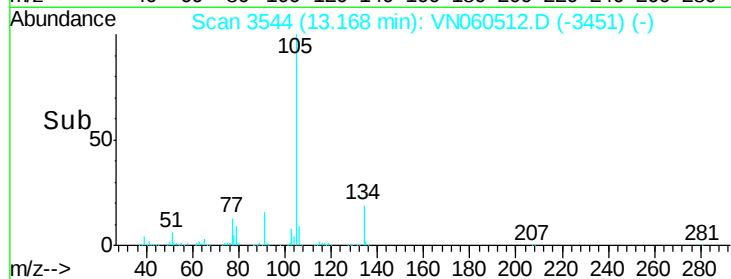
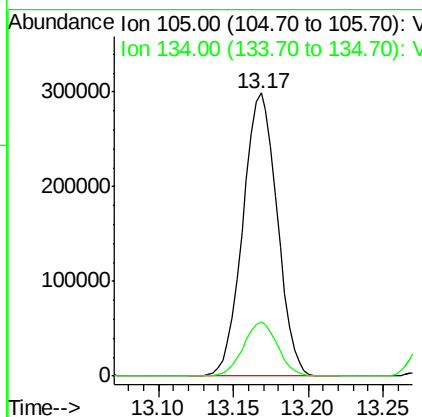
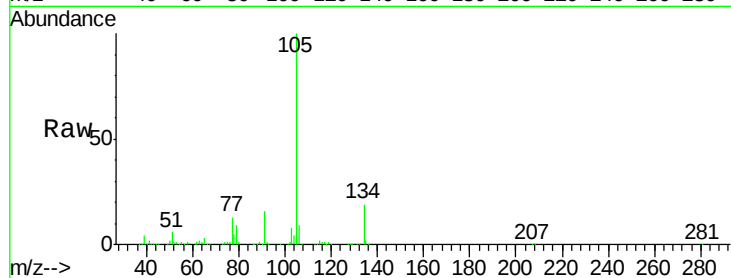
#85
 sec-Butylbenzene
 Concen: 44.070 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	476582		
134	19.1	9.8	29.5	

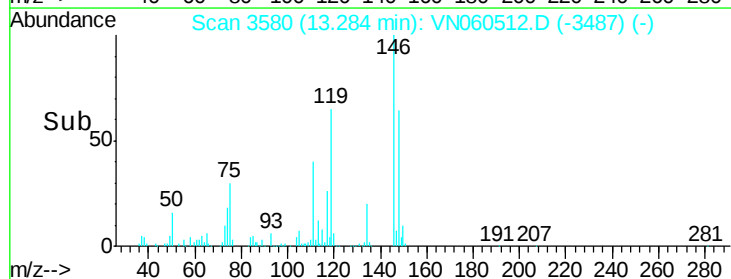
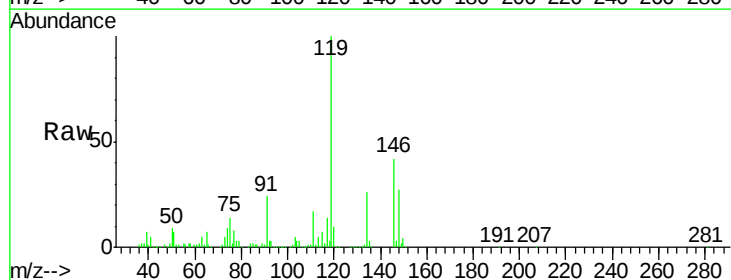
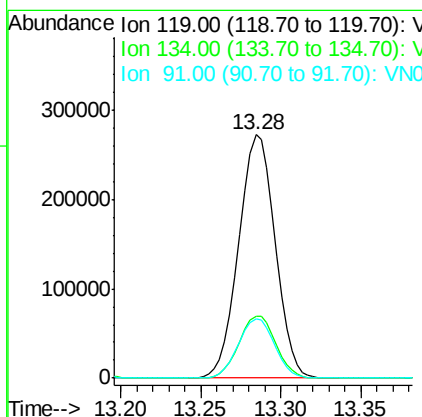
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#86
 p-Isopropyltoluene
 Concen: 42.123 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	421614		
134	26.0	13.2	39.6	
91	24.4	12.2	36.6	





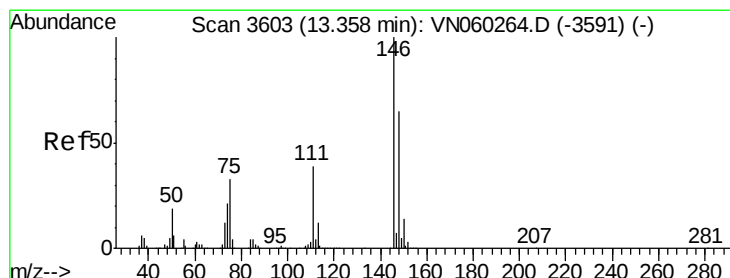
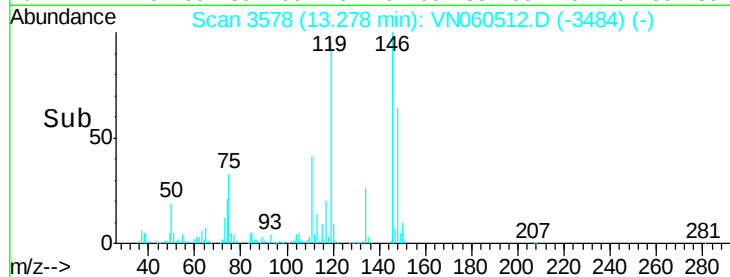
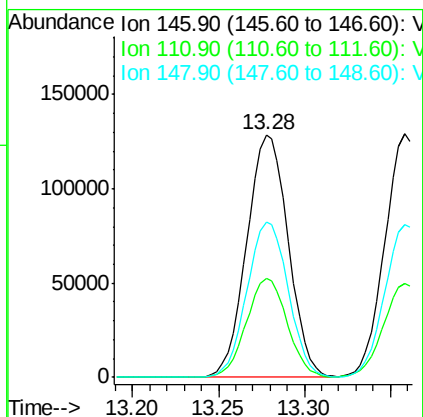
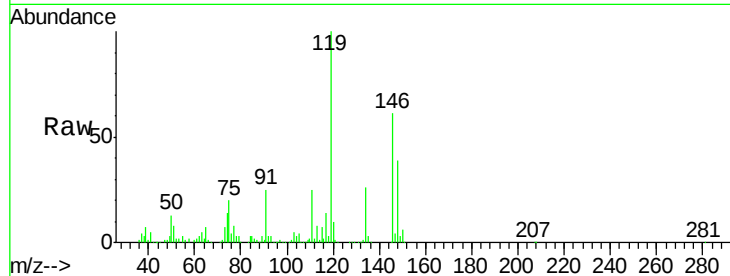
#87
 1,3-Dichlorobenzene
 Concen: 46.117 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	63.9	32.1	96.3

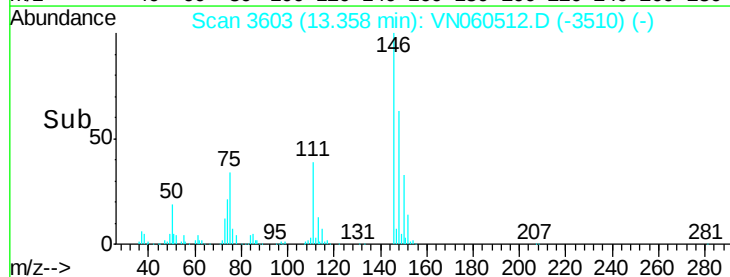
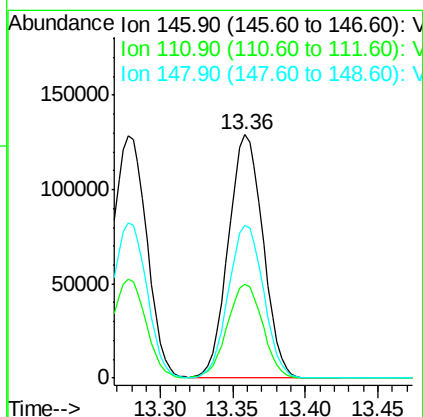
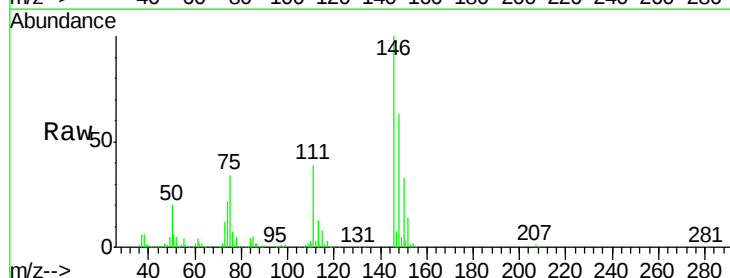
Manual Integrations
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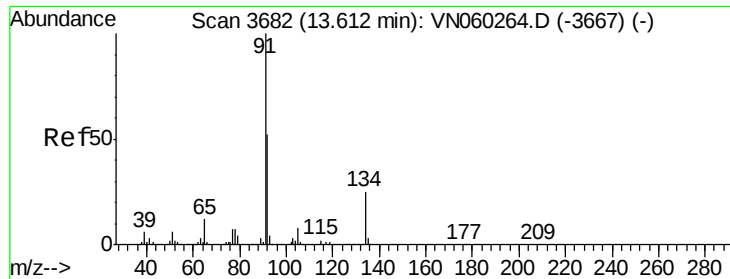
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#88
 1,4-Dichlorobenzene
 Concen: 46.293 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	63.7	32.3	96.9





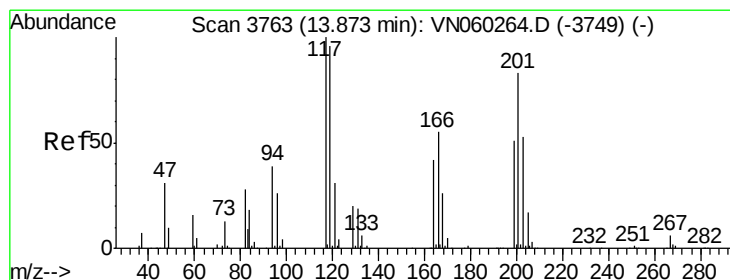
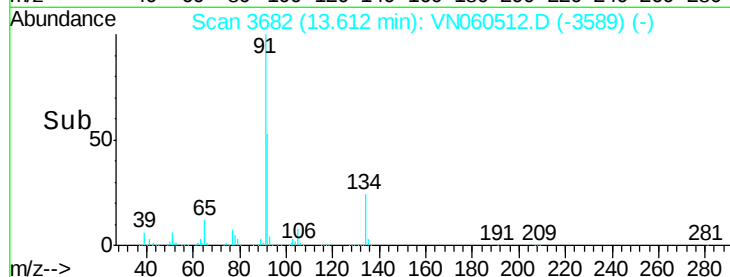
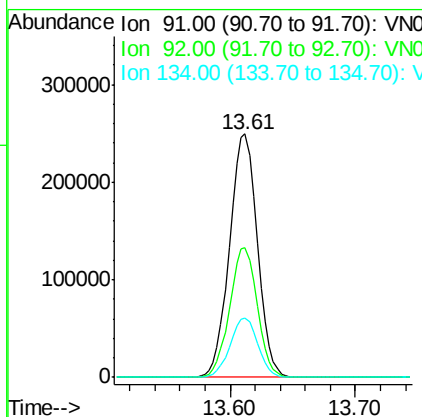
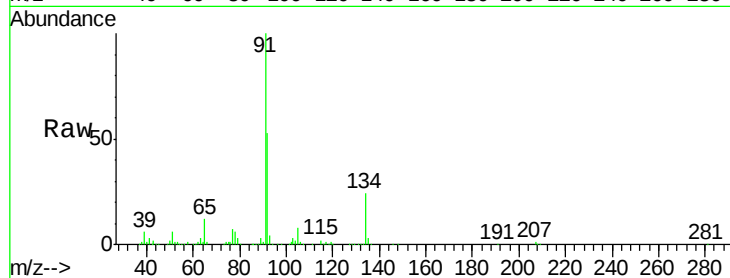
#89
n-Butylbenzene
Concen: 41.825 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	24.3	12.7	38.1

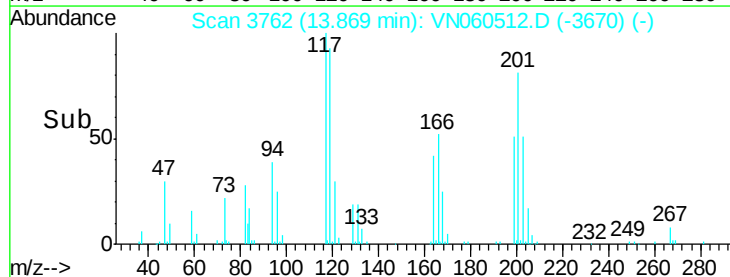
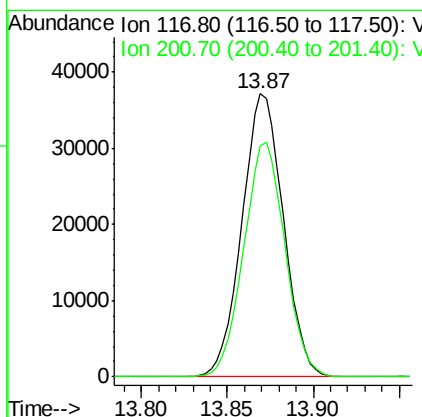
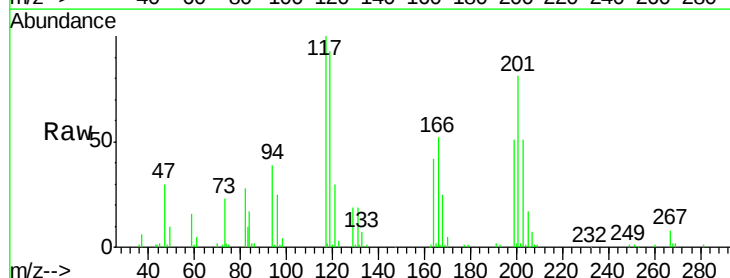
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#90
Hexachloroethane
Concen: 42.849 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060512.D
Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 44.352 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

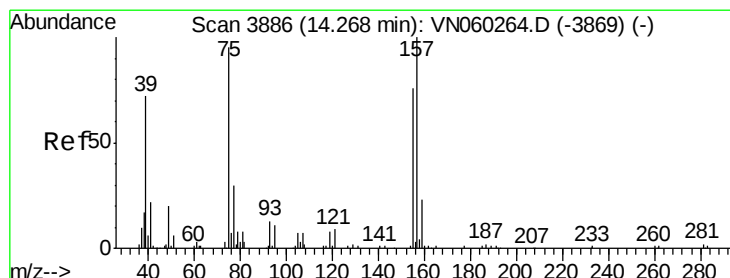
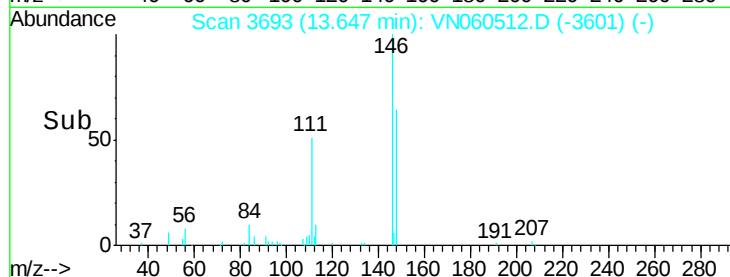
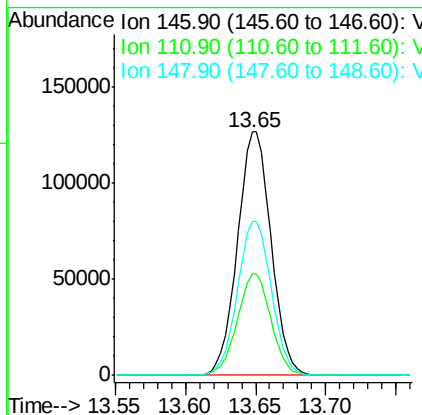
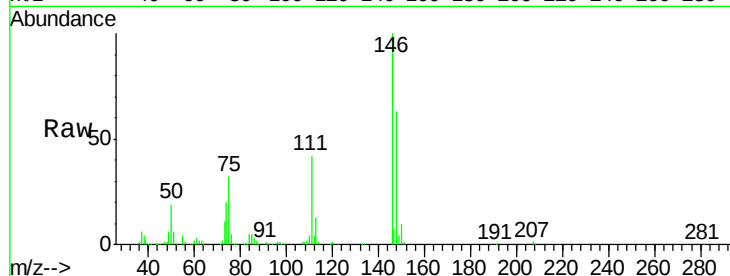
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	211044
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.3	61.0
148	63.8	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.318 ug/l

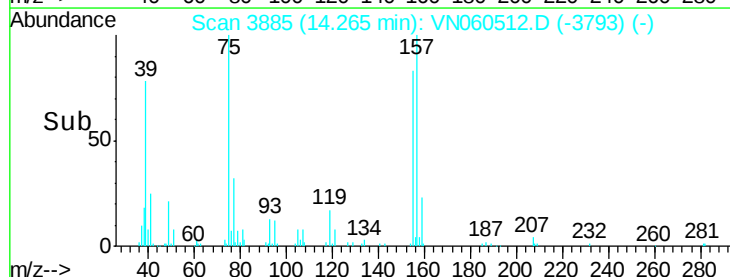
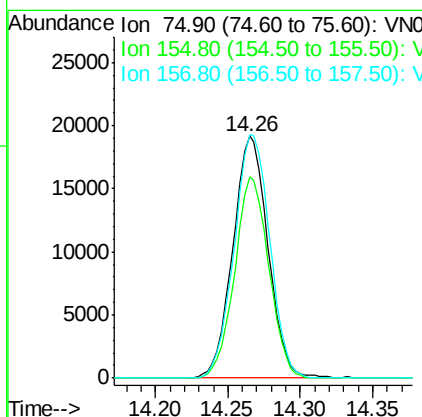
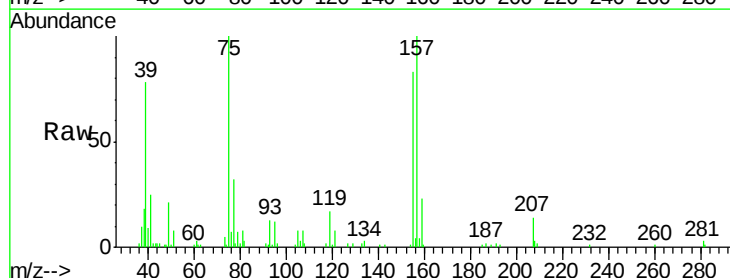
RT: 14.26 min Scan# 3885

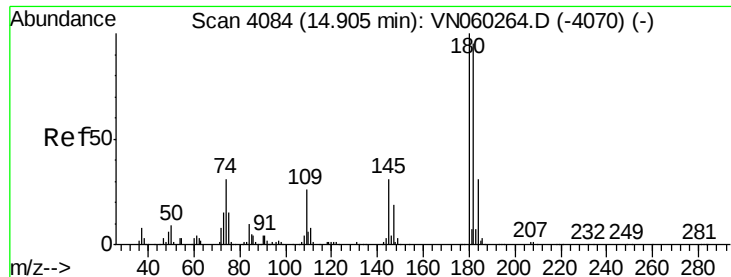
Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion:	75	Resp:	32268
Ion Ratio	Lower	Upper	
75	100		
155	80.6	40.4	121.2
157	101.9	52.5	157.5





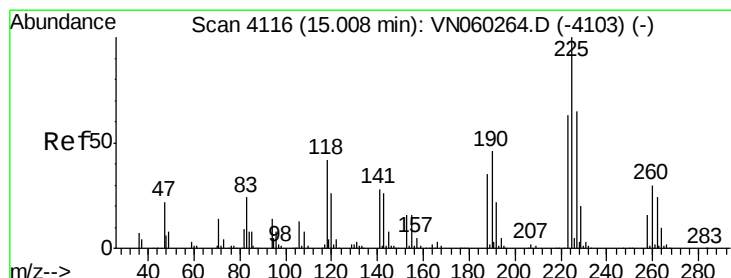
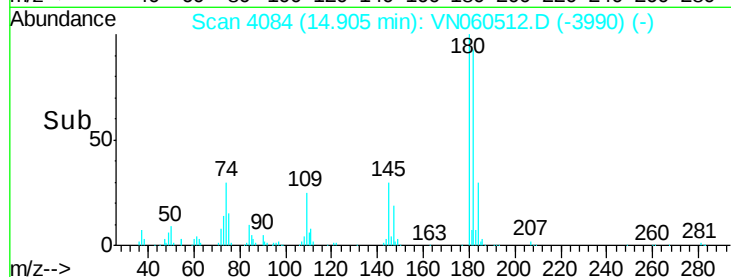
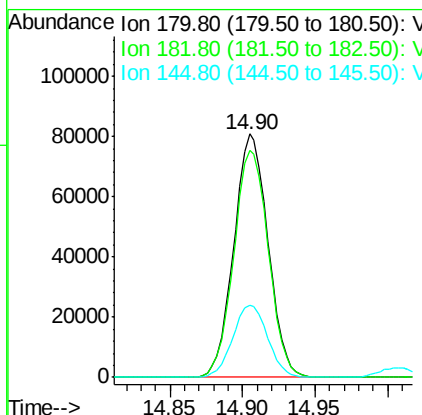
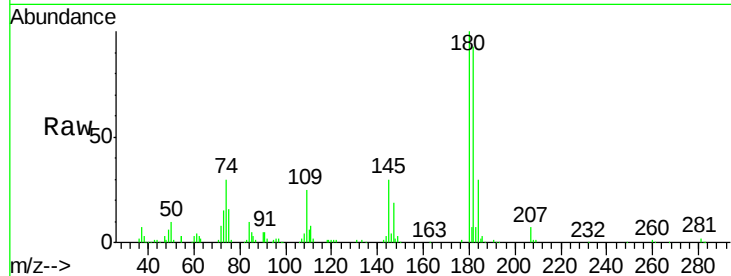
#93
 1,2,4-Trichlorobenzene
 Concen: 43.670 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	132004		
182	94.4	47.8	143.3	
145	30.4	15.4	46.1	

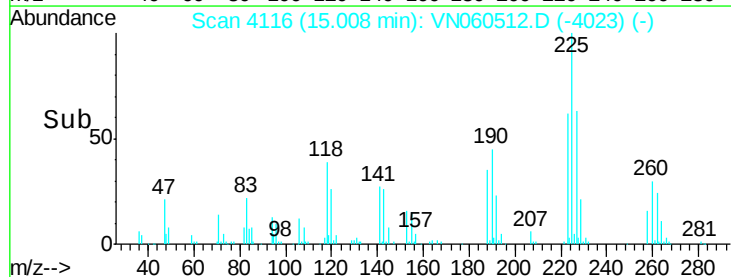
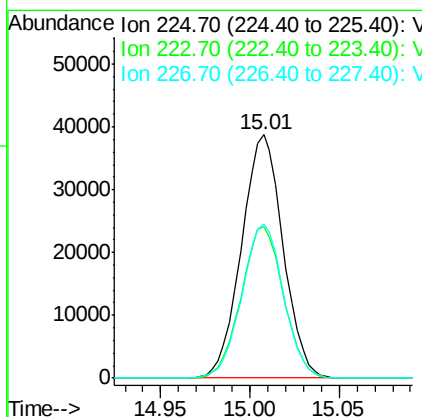
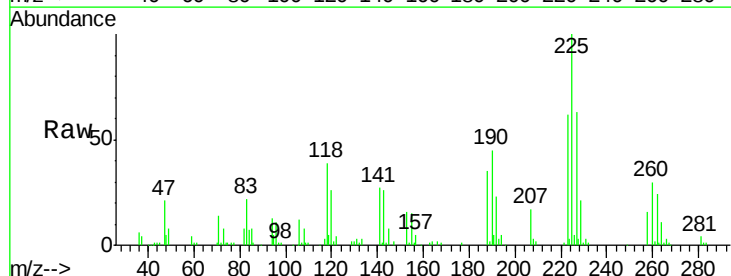
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 45.115 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060512.D
 Acq: 13 Mar 2020 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62782		
223	63.4	31.3	93.9	
227	63.4	32.3	96.9	





#95

Naphthalene

Concen: 43.407 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Instrument :

MSVOA_N

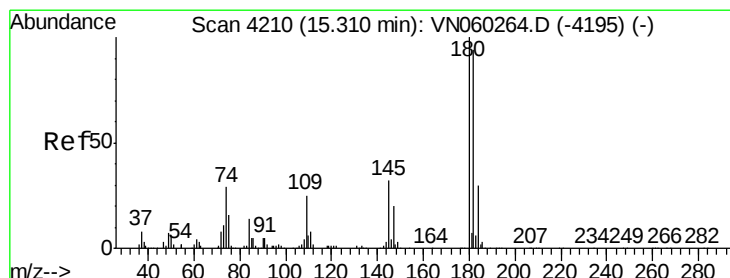
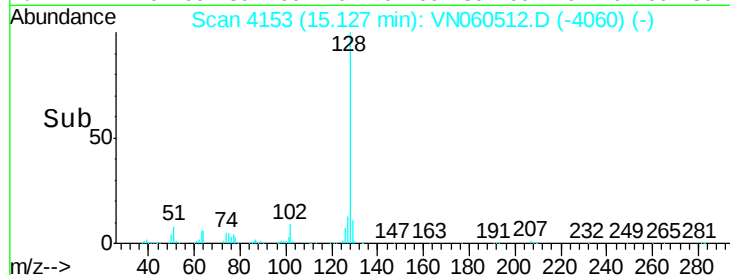
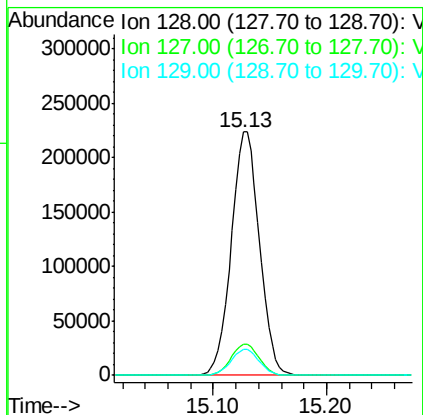
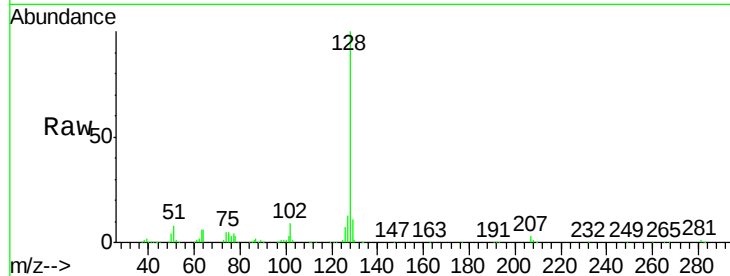
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	386888
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:04:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.214 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060512.D

Acq: 13 Mar 2020 18:51

Tgt Ion:	180	Resp:	123120
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	142.0
145	31.4	16.2	48.5

