

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060435.D
 Acq On : 11 Mar 2020 8:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:27 PM

Quant Time: Mar 12 03:47:53 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	197570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321510	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128230	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.56	113	95269	63.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.68%	
50) Toluene-d8	10.08	98	381490	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	148270	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77841	42.973	ug/l	99
3) Chloromethane	2.04	50	139896	44.359	ug/l	99
4) Vinyl Chloride	2.16	62	116589	43.106	ug/l	99
5) Bromomethane	2.54	94	47542	43.350	ug/l	97
6) Chloroethane	2.68	64	66374	45.294	ug/l	96
7) Trichlorofluoromethane	3.00	101	158586	45.892	ug/l	99
8) Diethyl Ether	3.38	74	62174	47.653	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	95094	48.624	ug/l	99
10) Methyl Iodide	3.92	142	72337	40.528	ug/l	99
11) Tert butyl alcohol	4.73	59	93845	249.327	ug/l	99
12) 1,1-Dichloroethene	3.71	96	91599	48.256	ug/l	99
13) Acrolein	3.57	56	93777	267.064	ug/l	100
14) Allyl chloride	4.29	41	157299	44.946	ug/l	91
15) Acrylonitrile	4.94	53	264693	266.801	ug/l	99
16) Acetone	3.78	43	226234	276.373	ug/l	99
17) Carbon Disulfide	4.03	76	221774	43.943	ug/l	99
18) Methyl Acetate	4.28	43	141231	51.700	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	346574	50.290	ug/l	97
20) Methylene Chloride	4.52	84	108726	48.364	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	98088	48.082	ug/l	96
22) Diisopropyl ether	5.91	45	377396	53.237	ug/l	98
23) Vinyl Acetate	5.86	43	1495613	265.504	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204032	50.845	ug/l	100
25) 2-Butanone	6.80	43	381055	288.197	ug/l	100
26) 2,2-Dichloropropane	6.79	77	186740	51.117	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122506	46.995	ug/l	98
28) Bromochloromethane	7.17	49	84804	51.472	ug/l	97
29) Tetrahydrofuran	7.18	42	236581	257.312	ug/l	100
30) Chloroform	7.34	83	205974	51.562	ug/l	98
31) Cyclohexane	7.63	56	172299	50.324	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	176201	49.784	ug/l	99
36) 1,1-Dichloropropene	7.77	75	147828	48.244	ug/l	99
37) Ethyl Acetate	6.89	43	153190	52.799	ug/l	99
38) Carbon Tetrachloride	7.75	117	145111	48.641	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	168625	46.674	ug/l	99
40) Benzene	8.02	78	449224	50.370	ug/l	100
41) Methacrylonitrile	7.15	41	73616m	54.951	ug/l	
42) 1,2-Dichloroethane	8.10	62	163704	50.867	ug/l	100
43) Isopropyl Acetate	8.14	43	271001	53.354	ug/l	99
44) Trichloroethene	8.82	130	121325	48.846	ug/l	99
45) 1,2-Dichloropropane	9.10	63	125303	53.738	ug/l	99
46) Dibromomethane	9.19	93	77669	51.335	ug/l	99
47) Bromodichloromethane	9.38	83	164629	53.500	ug/l	99
48) Methyl methacrylate	9.18	41	120151	51.873	ug/l	99
49) 1,4-Dioxane	9.18	88	32050	983.954	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	787407	273.415	ug/l	100
52) Toluene	10.14	92	282420	50.412	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	191579	50.809	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201452	51.561	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114113	50.652	ug/l	97
56) Ethyl methacrylate	10.42	69	179563	55.479	ug/l	99
57) 1,3-Dichloropropane	10.70	76	193396	52.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	448014	264.663	ug/l	99
59) 2-Hexanone	10.74	43	605957	286.574	ug/l	100
60) Dibromochloromethane	10.89	129	125811	54.913	ug/l	98
61) 1,2-Dibromoethane	11.00	107	115211	52.460	ug/l	98
64) Tetrachloroethene	10.62	164	120562	51.489	ug/l	99
65) Chlorobenzene	11.42	112	300968	50.078	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115433	51.946	ug/l	100
67) Ethyl Benzene	11.50	91	556260	50.824	ug/l	100
68) m/p-Xylenes	11.61	106	415232	100.556	ug/l	100
69) o-Xylene	11.94	106	200419	50.898	ug/l	99
70) Styrene	11.96	104	335171	51.771	ug/l	99
71) Bromoform	12.12	173	89952	56.166	ug/l #	100
73) Isopropylbenzene	12.24	105	544236	49.488	ug/l	99
74) N-amyl acetate	12.06	43	245366	51.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162348	54.309	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	148766m	45.699	ug/l	
77) Bromobenzene	12.52	156	131840	48.907	ug/l	97
78) n-propylbenzene	12.59	91	646539	50.155	ug/l	100
79) 2-Chlorotoluene	12.67	91	375435	49.546	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	461619	49.855	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63463	53.816	ug/l #	85
82) 4-Chlorotoluene	12.77	91	397099	49.740	ug/l	99
83) tert-Butylbenzene	12.99	119	392066	48.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	465600	49.819	ug/l	99
85) sec-Butylbenzene	13.17	105	532669	49.619	ug/l	99
86) p-Isopropyltoluene	13.28	119	483021	48.613	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241515	52.148	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241934	52.545	ug/l	99
89) n-Butylbenzene	13.61	91	445848	48.881	ug/l	99
90) Hexachloroethane	13.87	117	69701	48.464	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	229982	48.688	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34129	50.416	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	149045	49.658	ug/l	99
94) Hexachlorobutadiene	15.01	225	71598	51.915	ug/l	99
95) Naphthalene	15.13	128	422829	47.816	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137690	48.706	ug/l	99

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

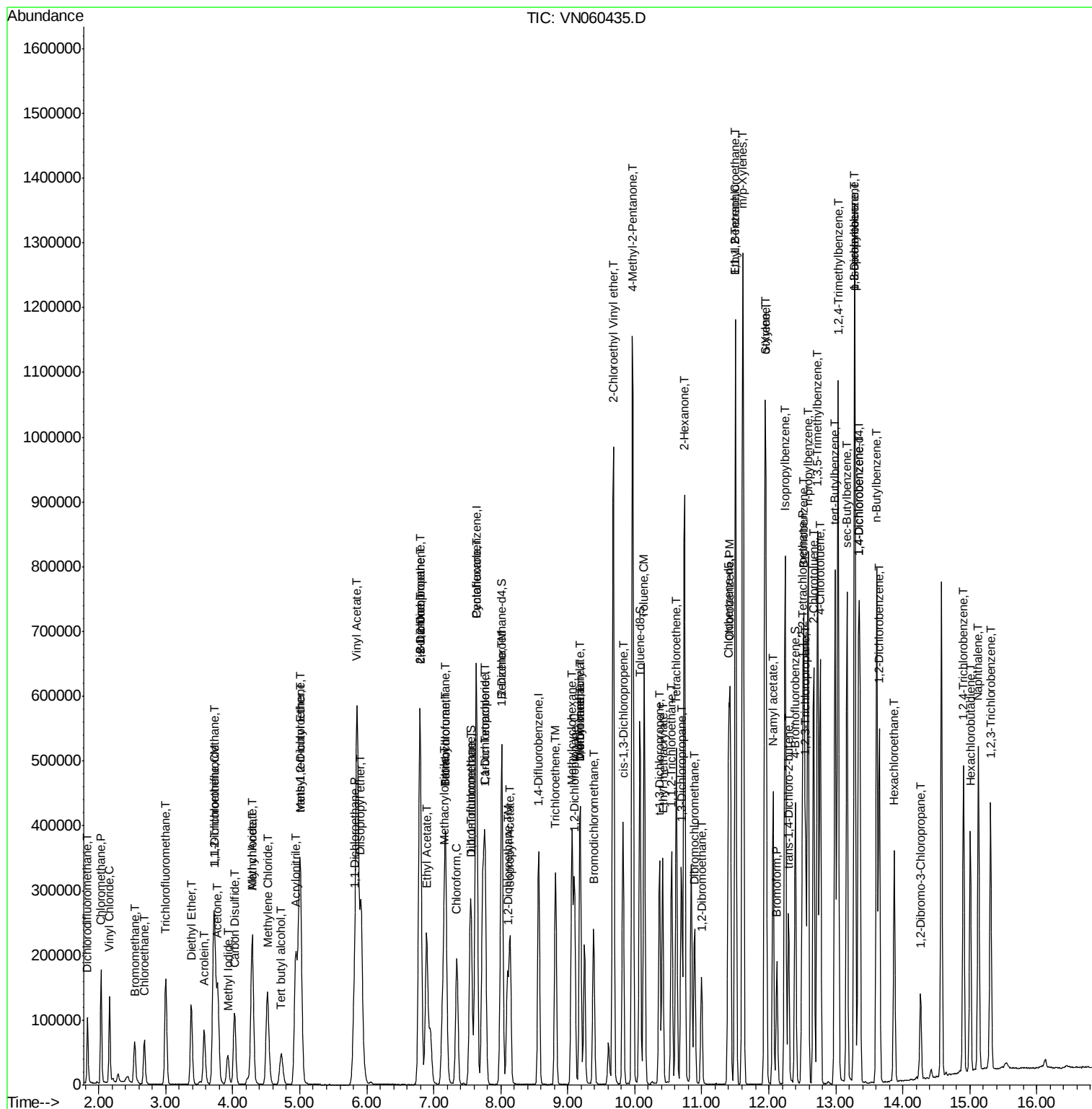
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
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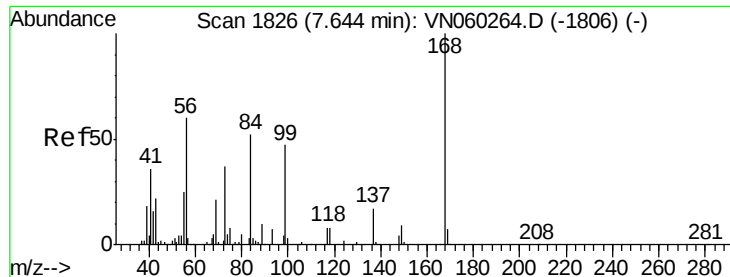
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 197570

Ion Ratio Lower Upper

168 100

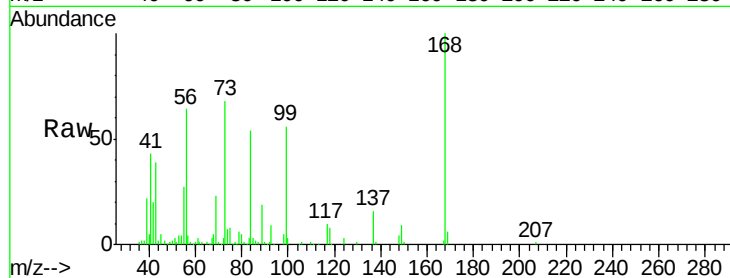
99 55.9 44.7 67.1

Manual Integrations

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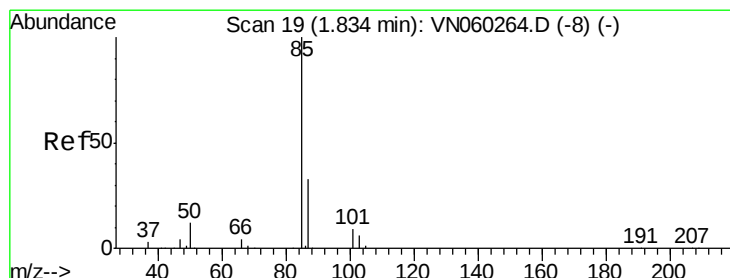
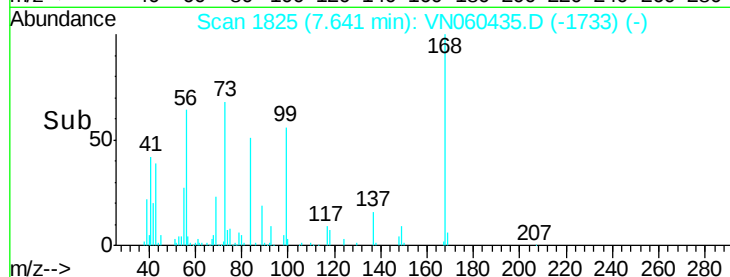
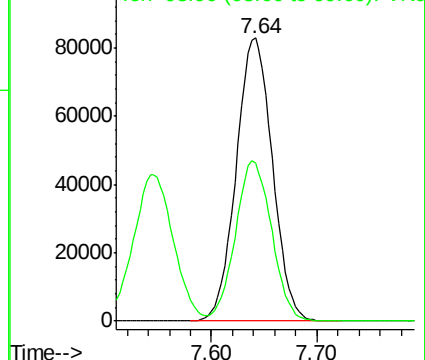
MMDadoda

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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: 42.973 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060435.D

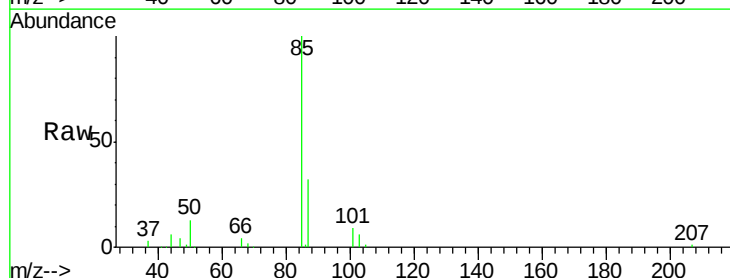
Acq: 11 Mar 2020 8:53

Tgt Ion: 85 Resp: 77841

Ion Ratio Lower Upper

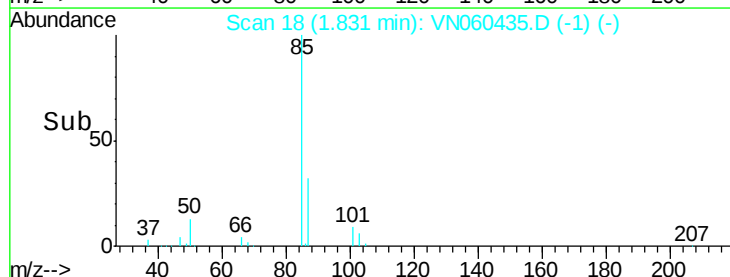
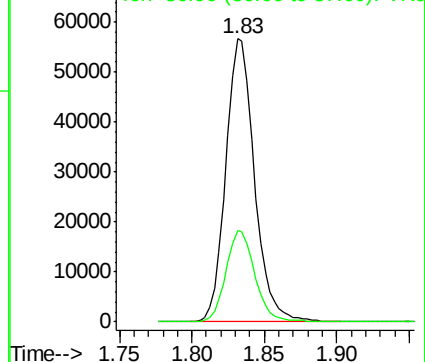
85 100

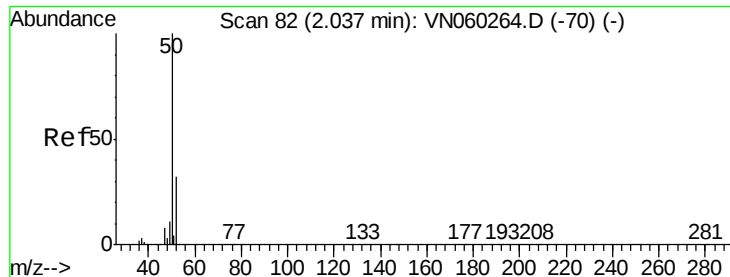
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.359 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 139896

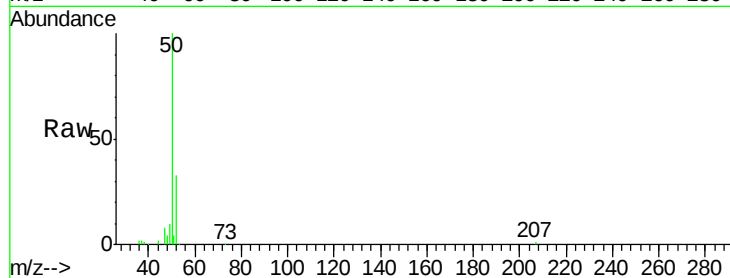
Ion Ratio Lower Upper

50 100

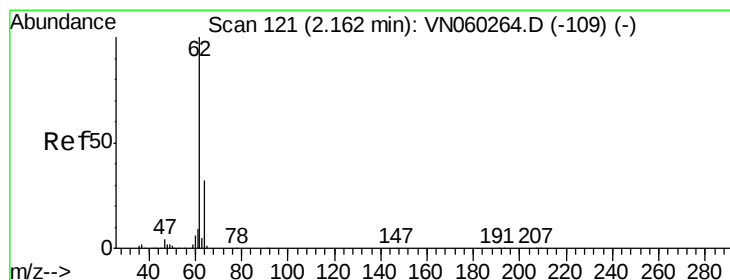
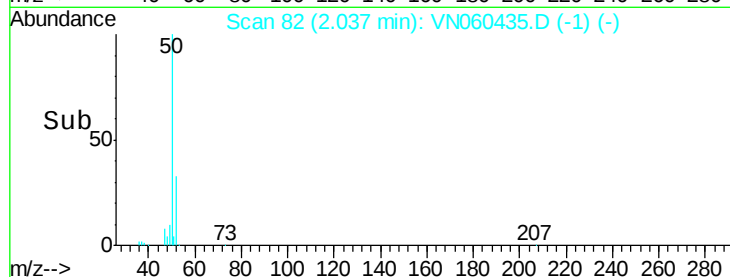
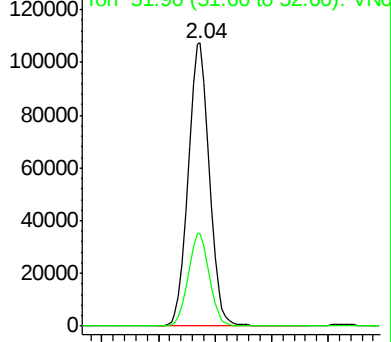
52 32.7 25.6 38.4

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VN060435.D (-1) (-)



#4

Vinyl Chloride

Concen: 43.106 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060435.D

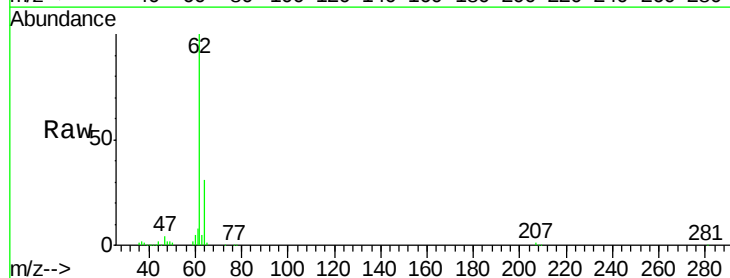
Acq: 11 Mar 2020 8:53

Tgt Ion: 62 Resp: 116589

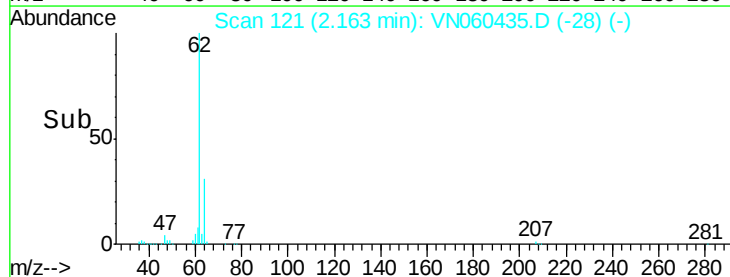
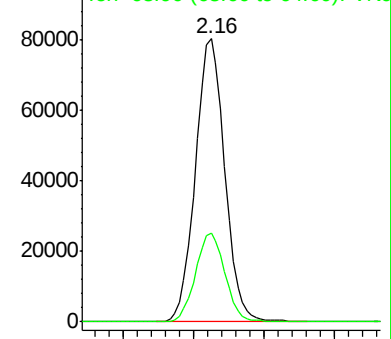
Ion Ratio Lower Upper

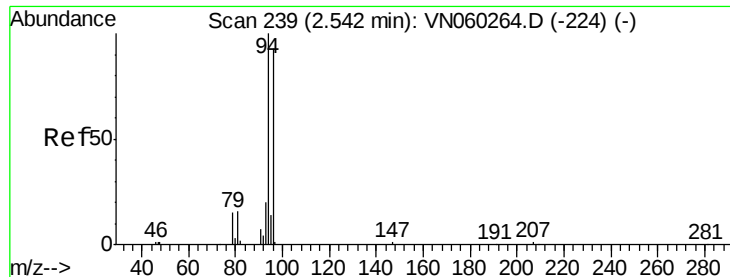
62 100

64 31.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN060435.D (-28) (-)





#5

Bromomethane

Concen: 43.350 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 47542

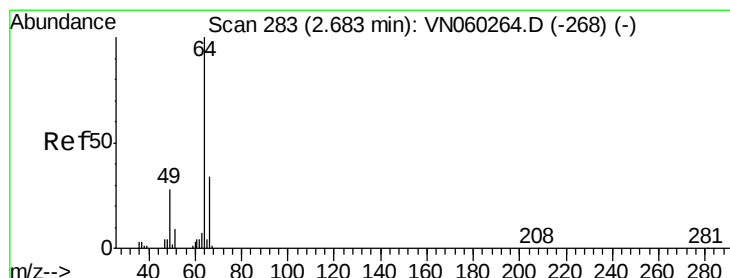
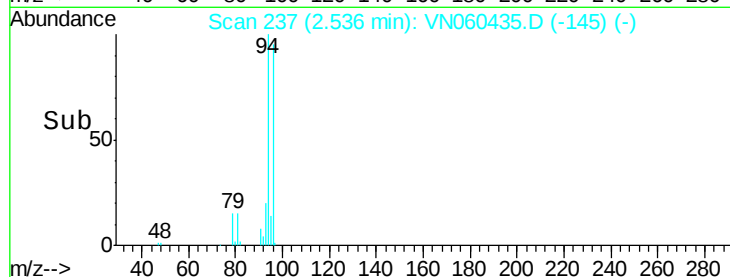
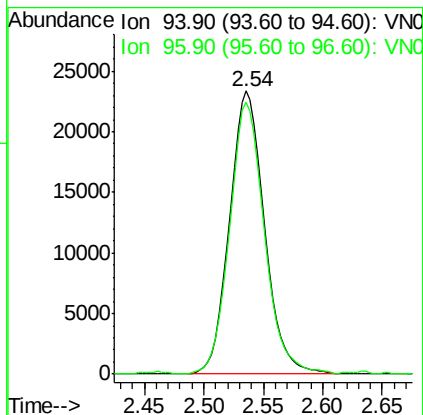
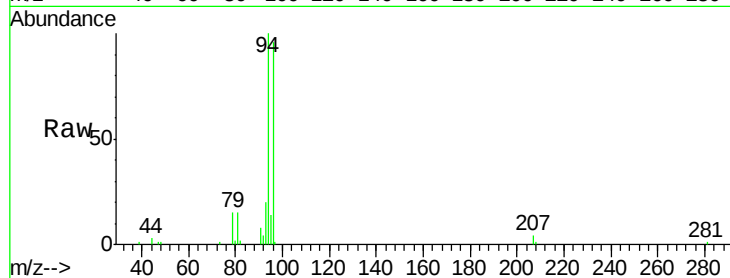
Ion Ratio Lower Upper

94 100

96 96.1 74.3 111.5

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#6

Chloroethane

Concen: 45.294 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN060435.D

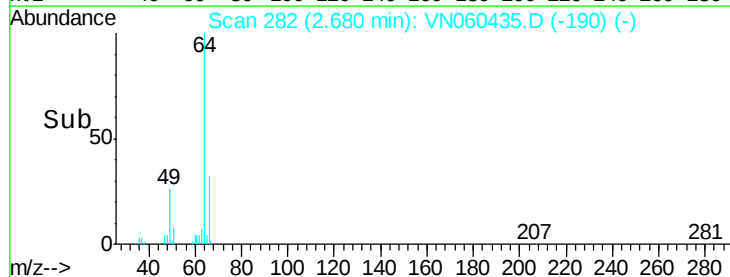
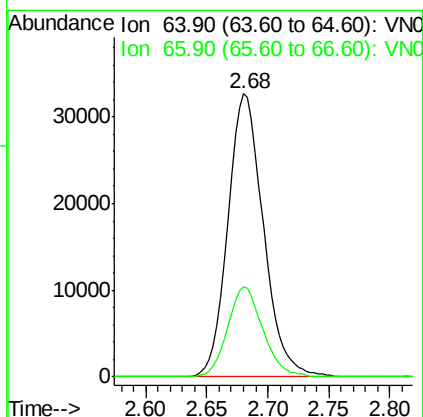
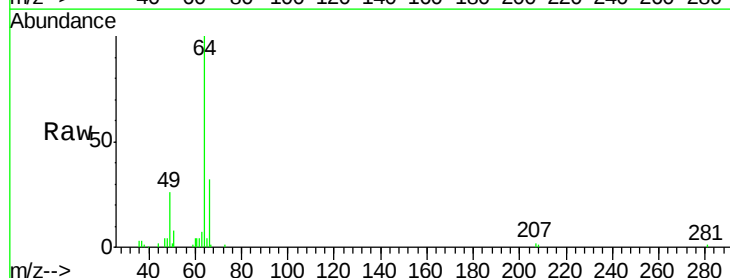
Acq: 11 Mar 2020 8:53

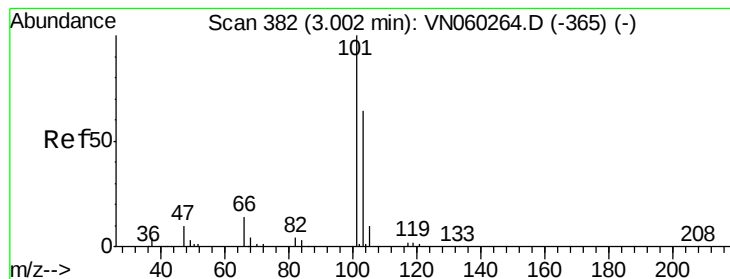
Tgt Ion: 64 Resp: 66374

Ion Ratio Lower Upper

64 100

66 32.0 27.4 41.2





#7

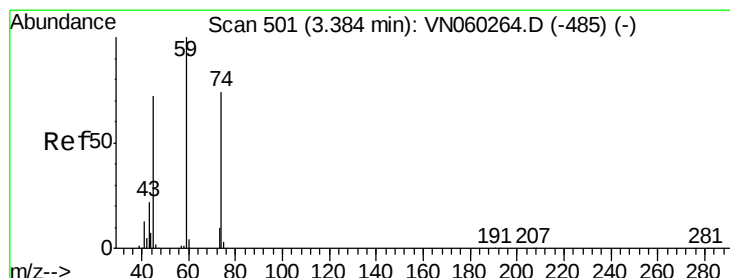
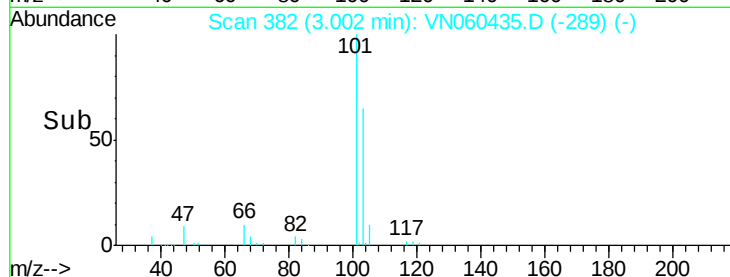
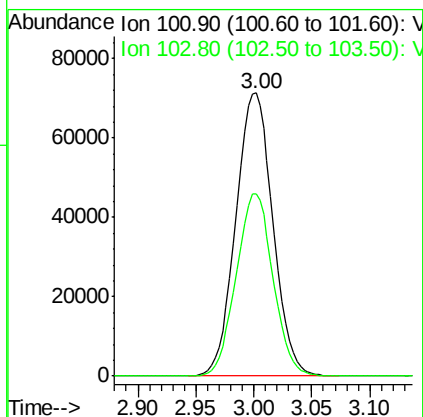
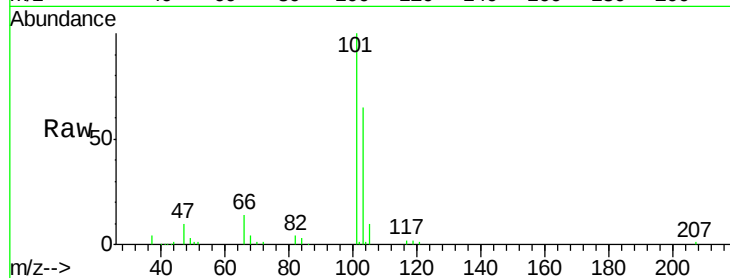
Trichlorofluoromethane
Concen: 45.892 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		158586		
103	64.6	51.3	76.9		

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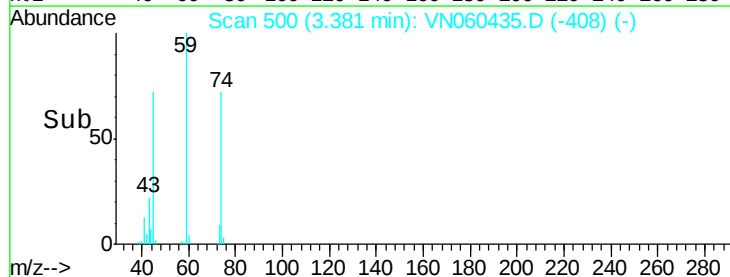
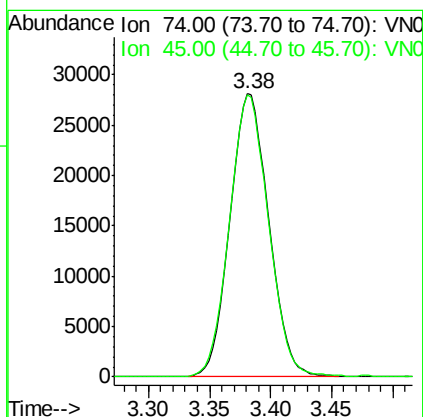
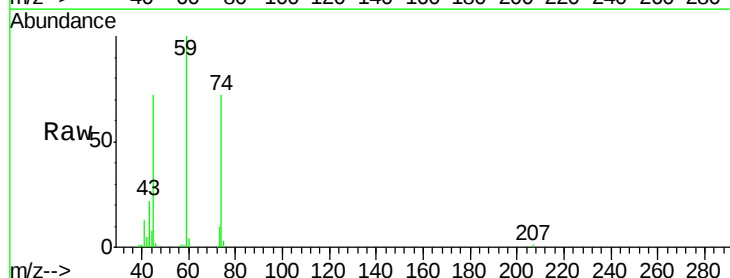
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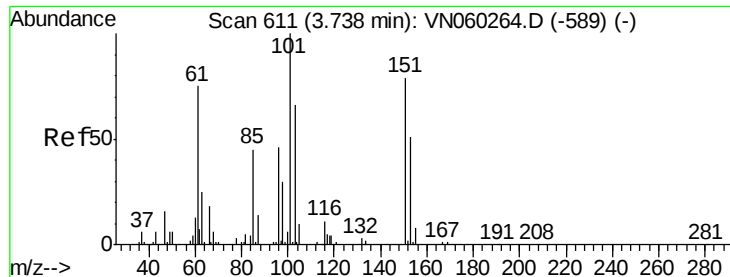


#8

Diethyl Ether
Concen: 47.653 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		62174		
45	100.2	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.624 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

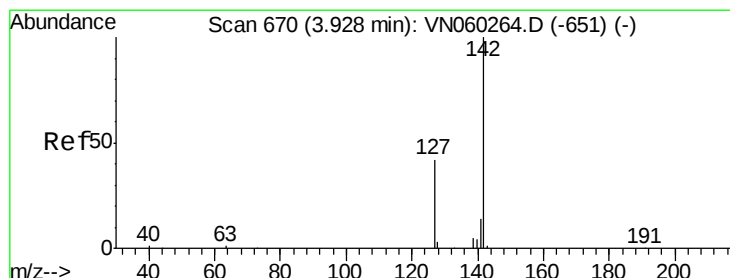
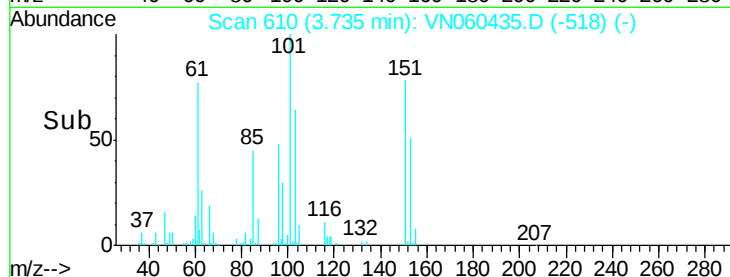
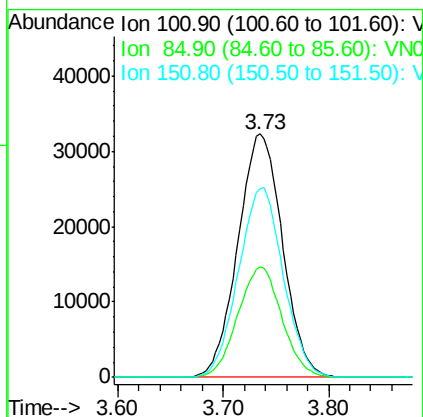
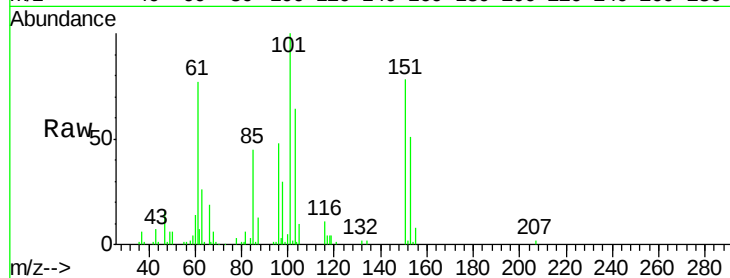
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	95094
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.4	53.2
151	78.2	62.0	93.0

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#10

Methyl Iodide

Concen: 40.528 ug/l

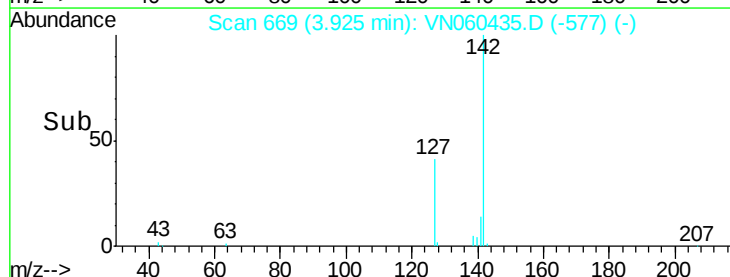
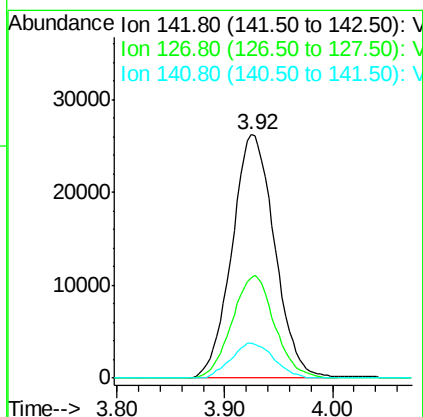
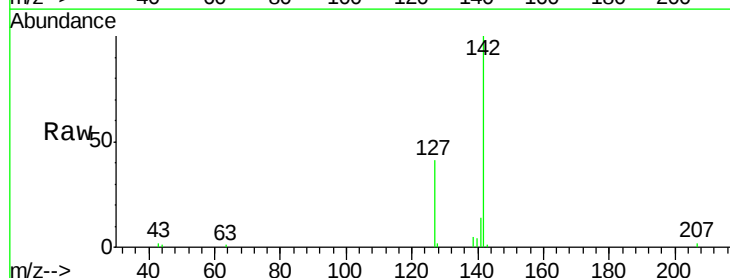
RT: 3.92 min Scan# 669

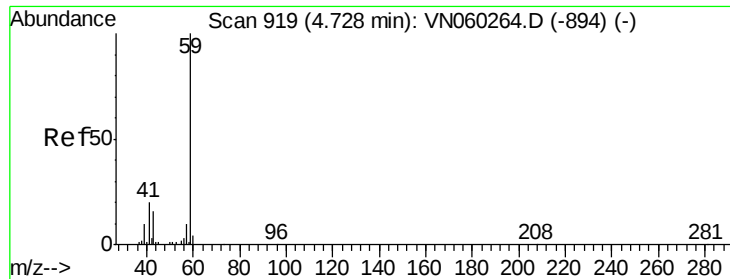
Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion:	142	Resp:	72337
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.8	50.6
141	14.4	11.1	16.7





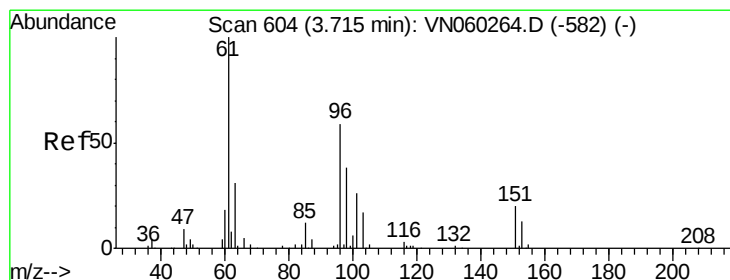
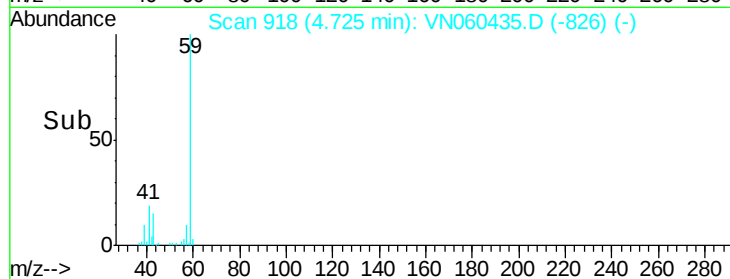
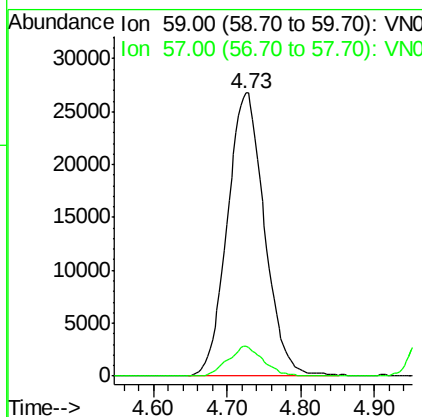
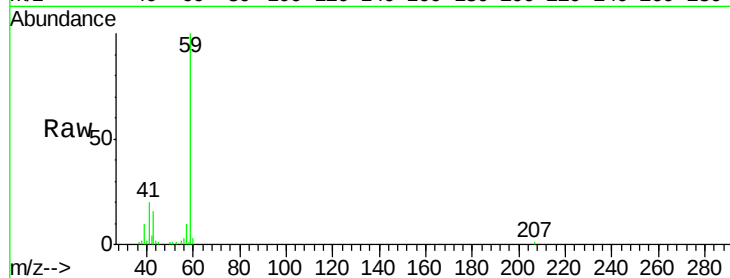
#11
Tert butyl alcohol
Concen: 249.327 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

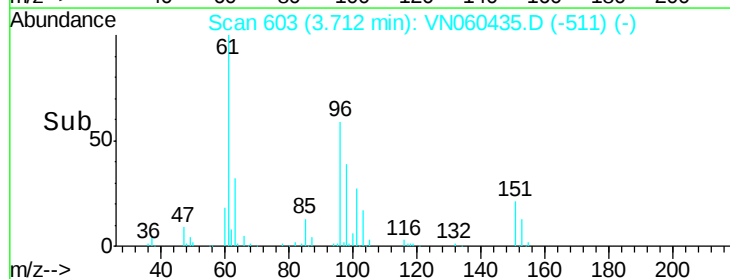
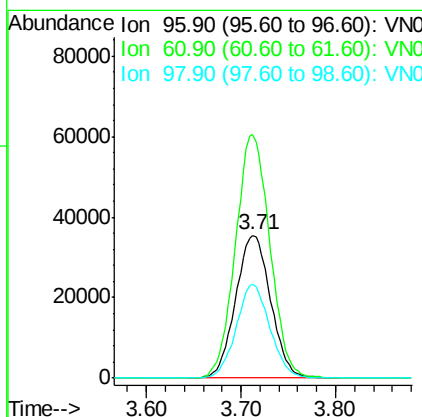
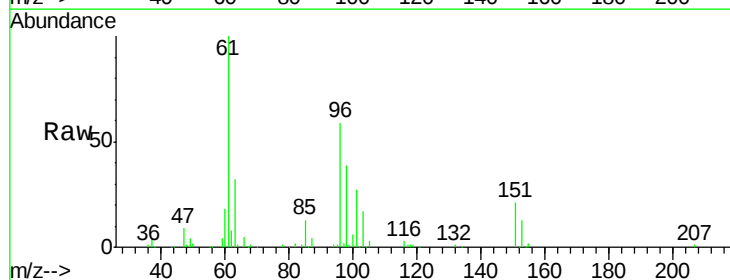
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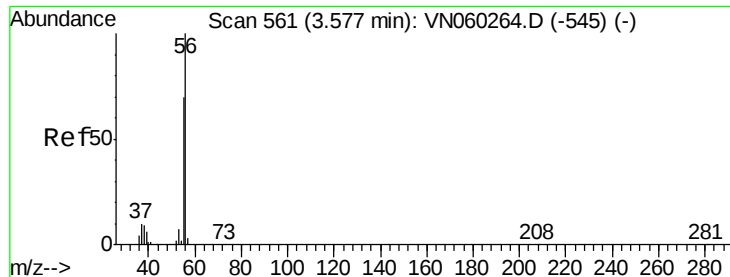
MMDadoda
3/12/2020 2:45:27 PM



#12
1,1-Dichloroethene
Concen: 48.256 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.1	135.4	203.0
98	65.7	51.6	77.4





#13

Acrolein

Concen: 267.064 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93777

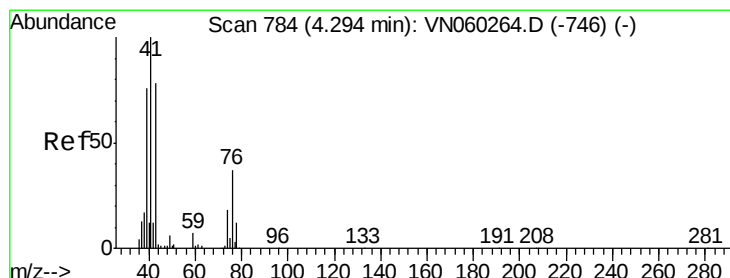
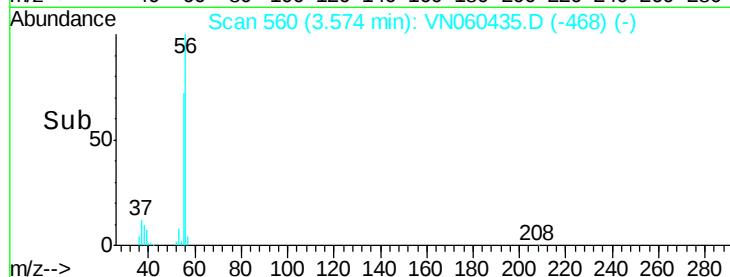
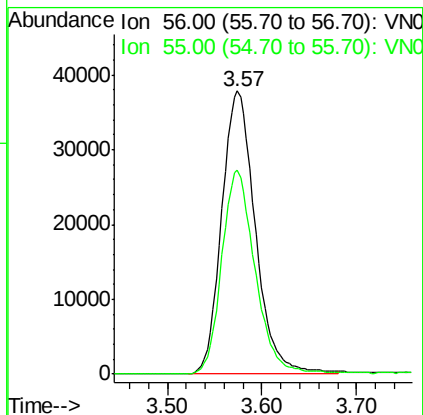
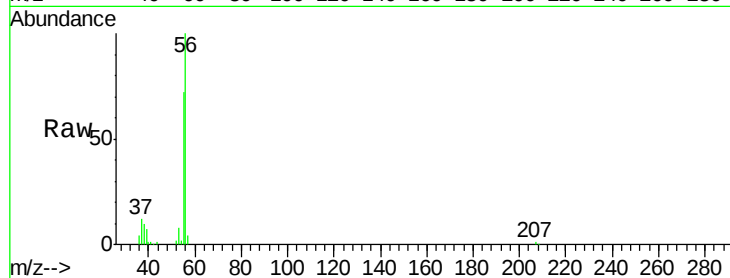
Ion Ratio Lower Upper

56 100

55 71.3 57.4 86.0

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#14

Allyl chloride

Concen: 44.946 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

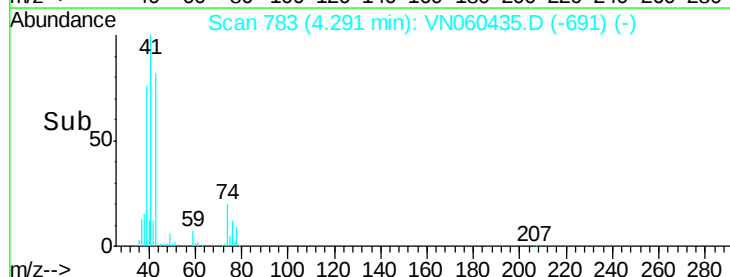
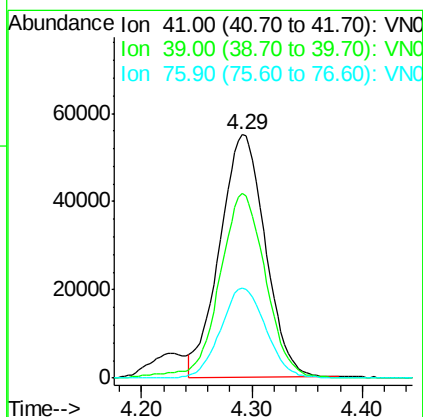
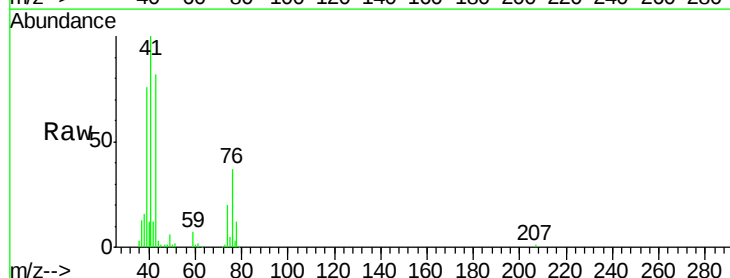
Tgt Ion: 41 Resp: 157299

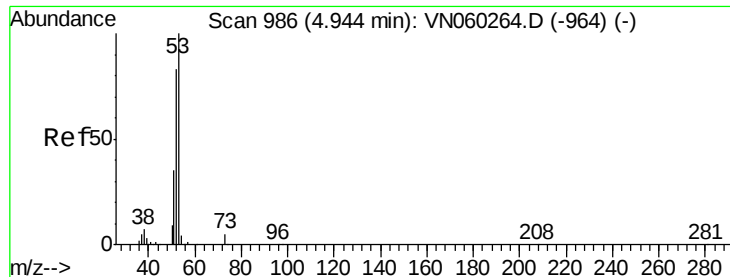
Ion Ratio Lower Upper

41 100

39 77.5 55.4 83.2

76 37.0 27.0 40.6





#15

Acrylonitrile

Concen: 266.801 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

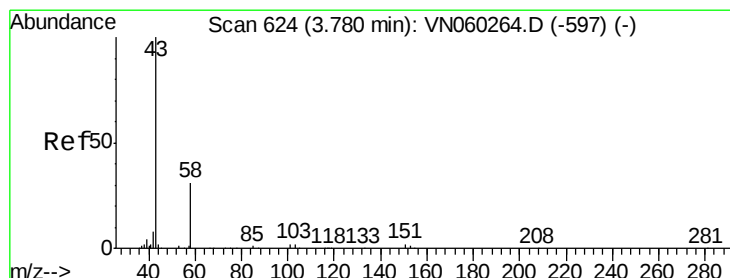
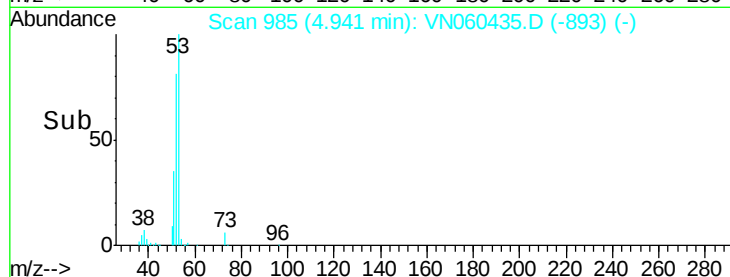
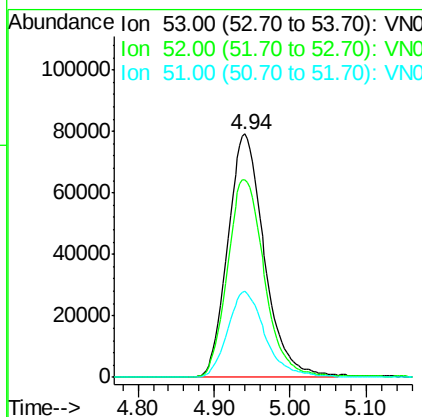
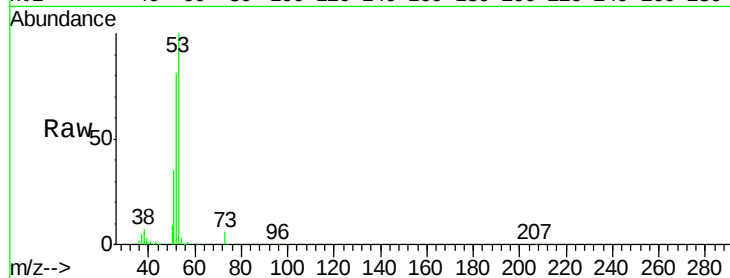
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	264693
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.8	100.2
51	36.4	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 276.373 ug/l

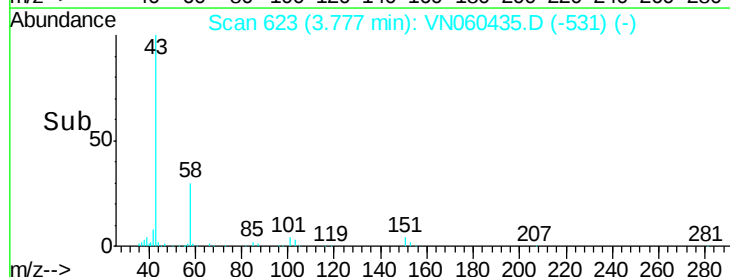
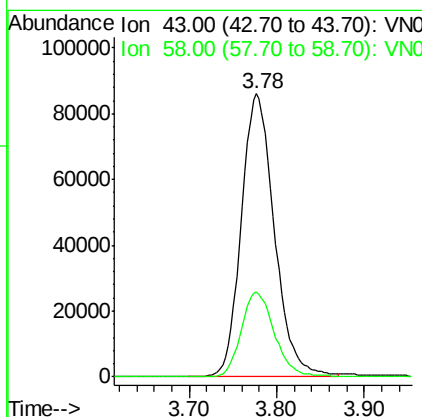
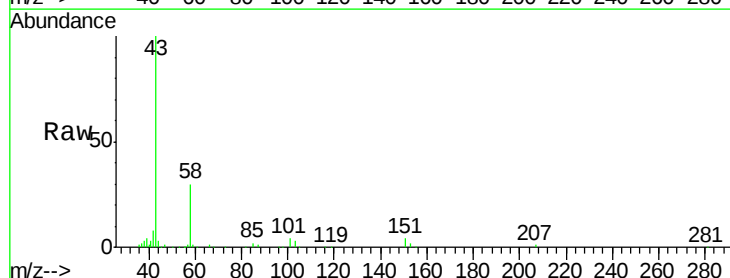
RT: 3.78 min Scan# 623

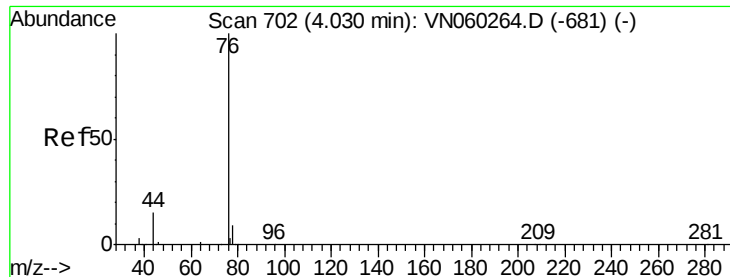
Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion:	43	Resp:	226234
Ion Ratio	Lower	Upper	
43	100		
58	30.1	24.6	36.8





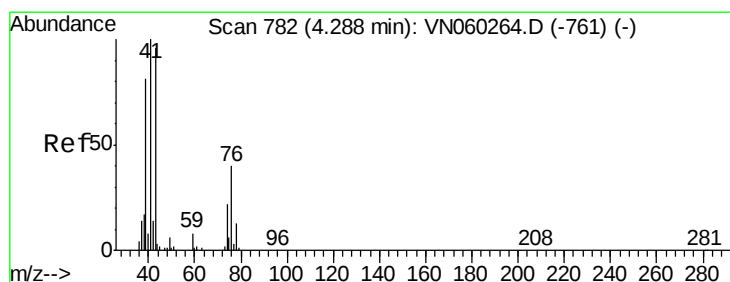
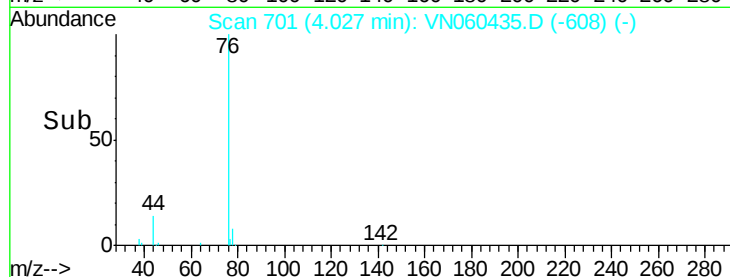
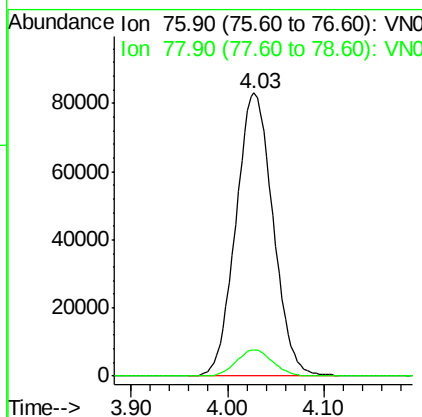
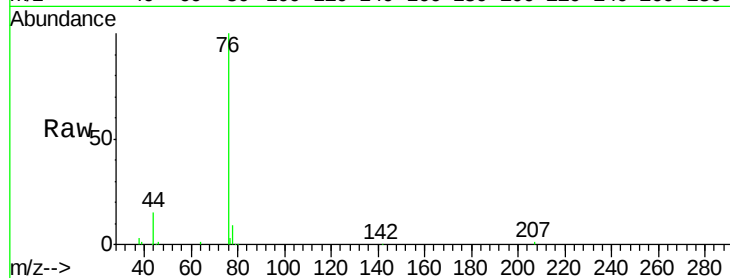
#17
Carbon Disulfide
Concen: 43.943 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

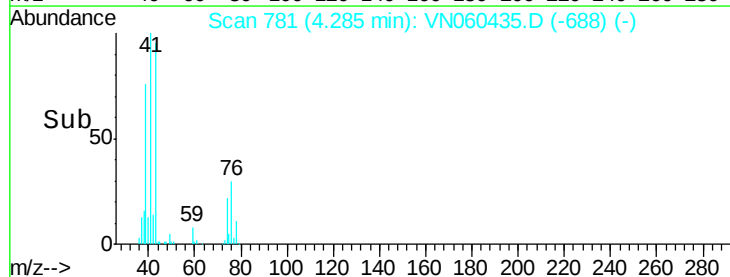
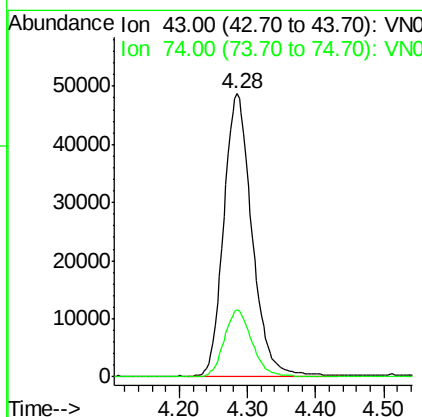
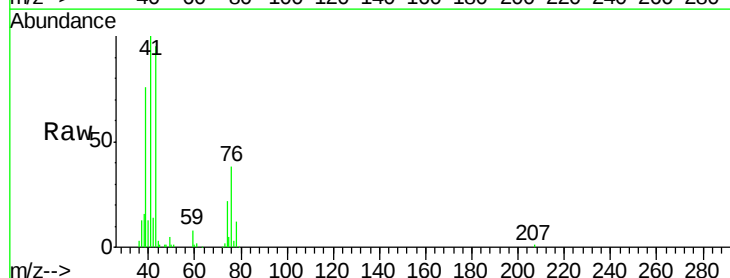
Manual Integrations
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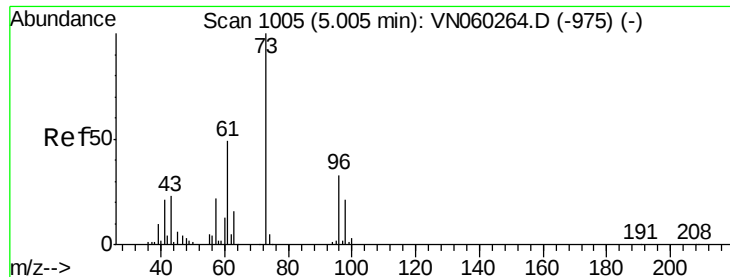
MMDadoda
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#18
Methyl Acetate
Concen: 51.700 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.8	28.2





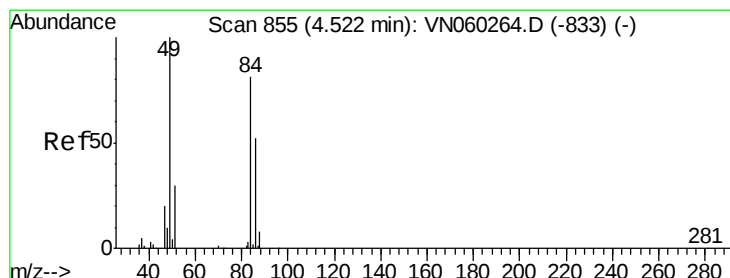
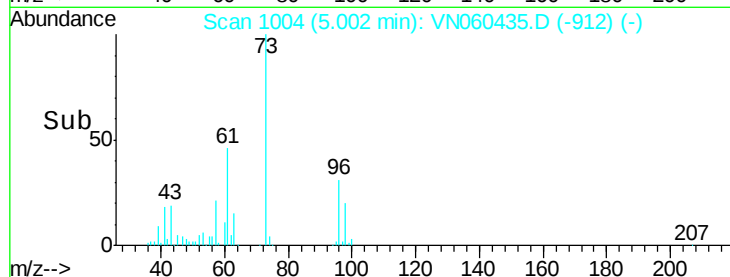
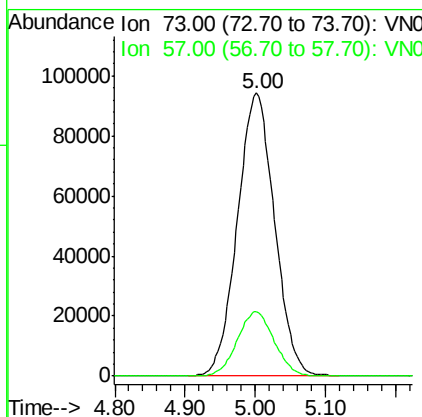
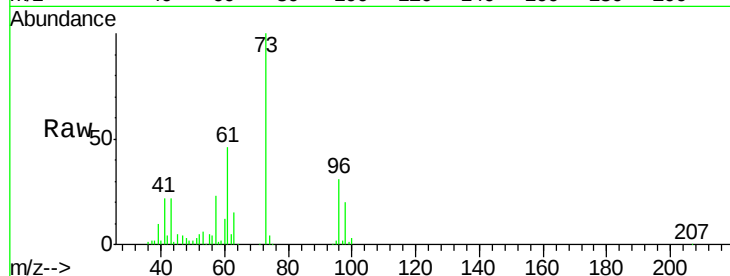
#19
Methvl tert-butvl Ether
Concen: 50.290 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 346574
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9

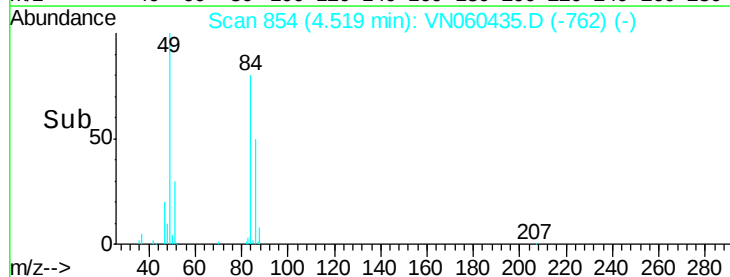
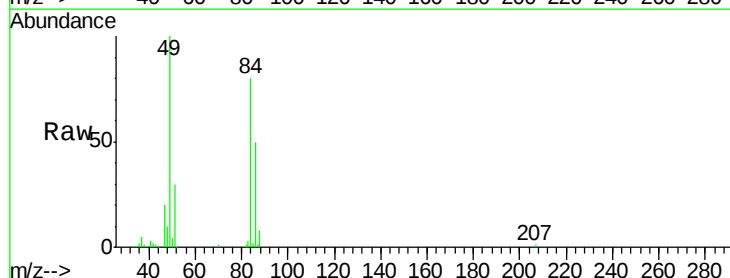
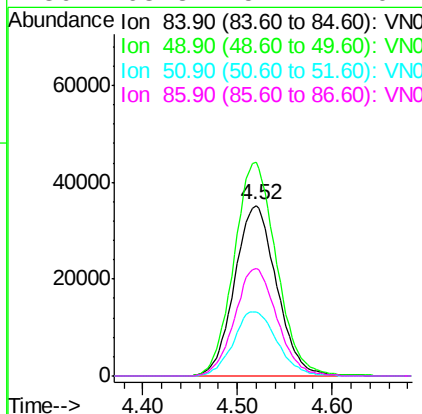
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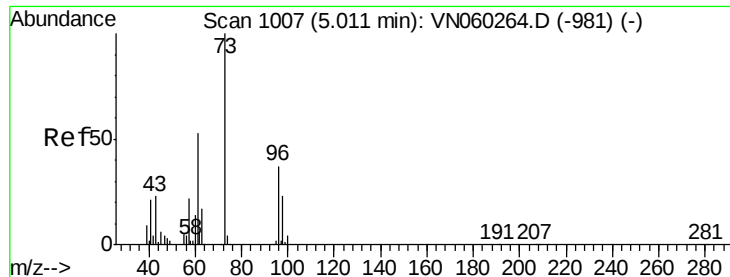
MMDadoda
3/12/2020 2:45:27 PM



#20
Methylene Chloride
Concen: 48.364 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion: 84 Resp: 108726
Ion Ratio Lower Upper
84 100
49 125.4 99.3 148.9
51 37.7 30.1 45.1
86 63.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.082 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 98088

Ion Ratio Lower Upper

96 100

61 146.7 113.8 170.8

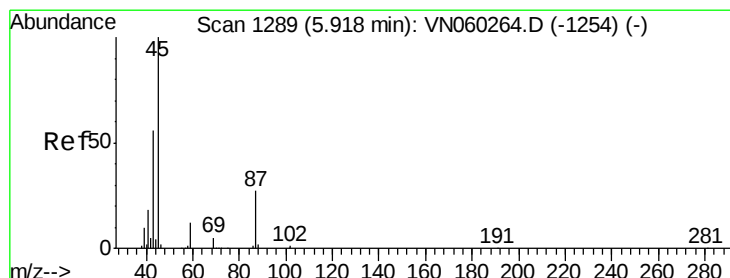
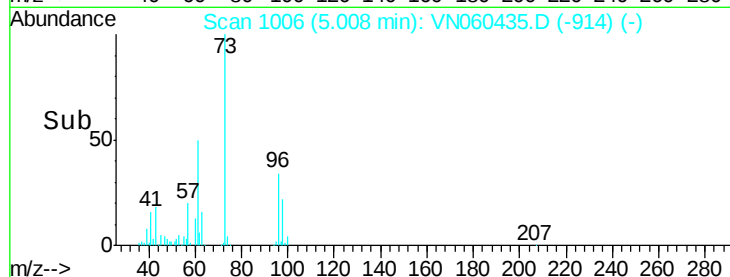
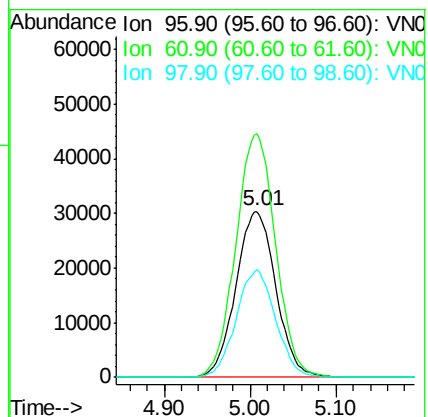
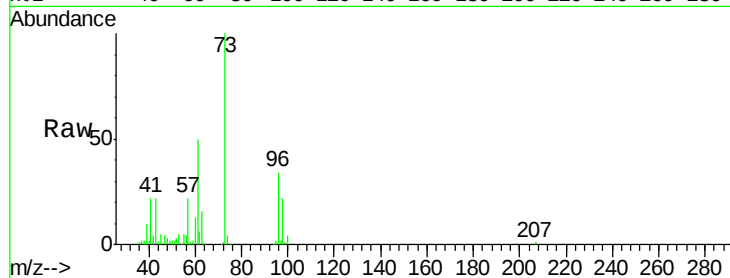
98 64.8 48.8 73.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.237 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion: 45 Resp: 377396

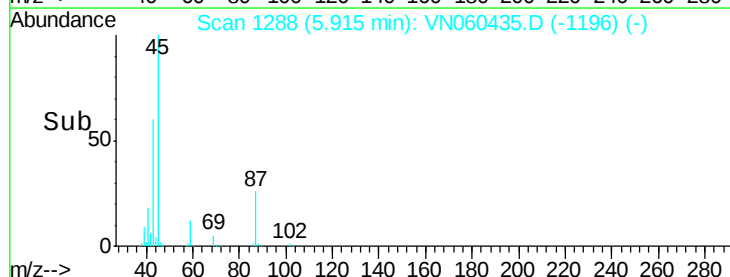
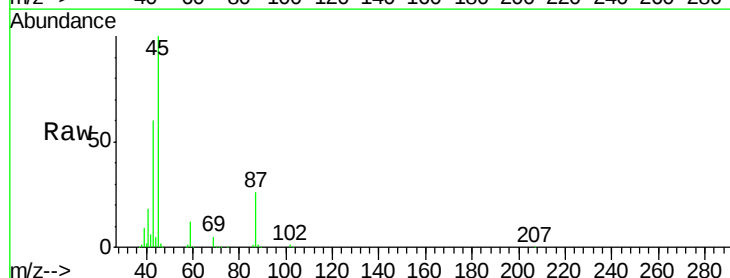
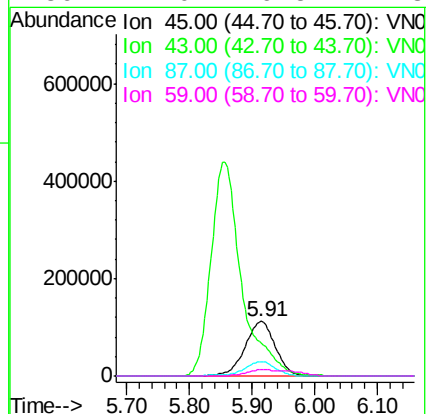
Ion Ratio Lower Upper

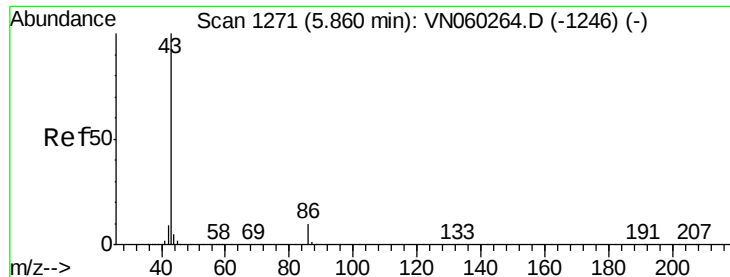
45 100

43 59.3 48.6 72.8

87 26.4 22.2 33.2

59 12.0 9.5 14.3





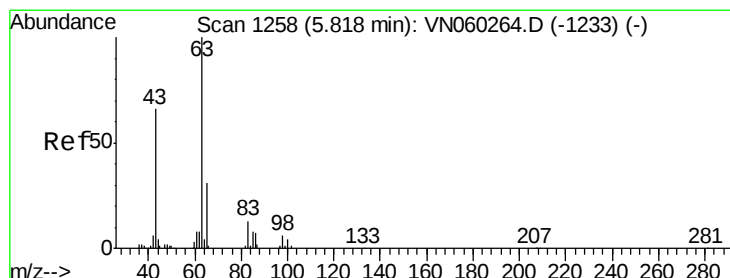
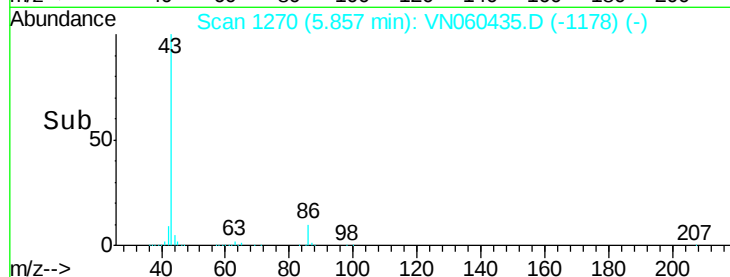
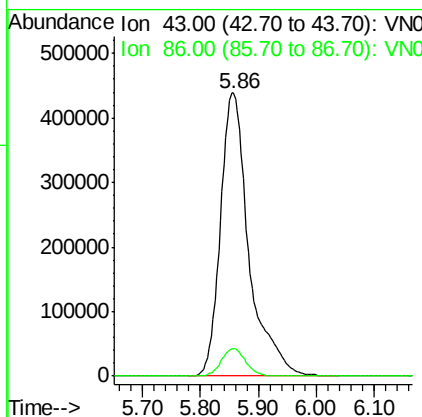
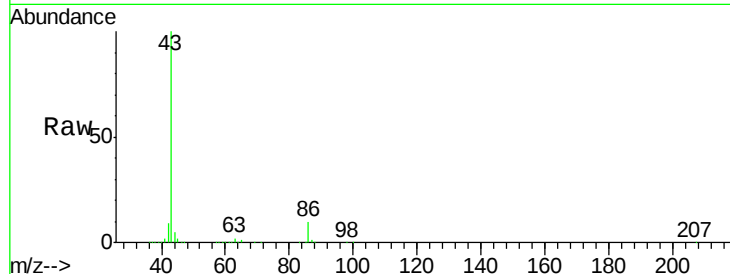
#23
 Vinyl Acetate
 Concen: 265.504 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1495613
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.0 12.0

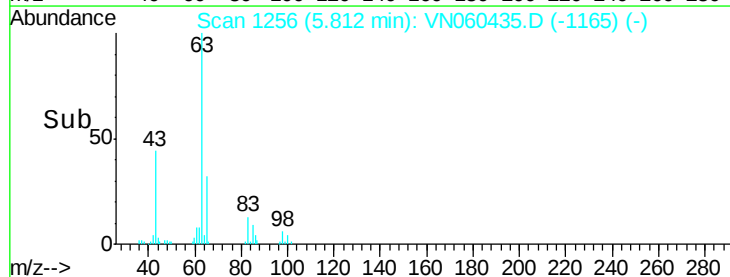
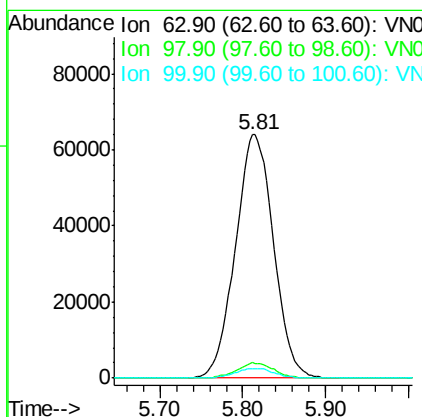
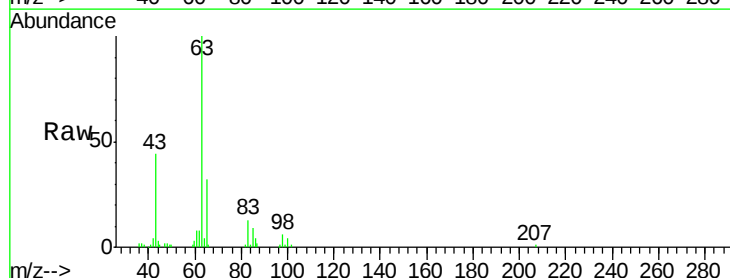
Manual Integrations
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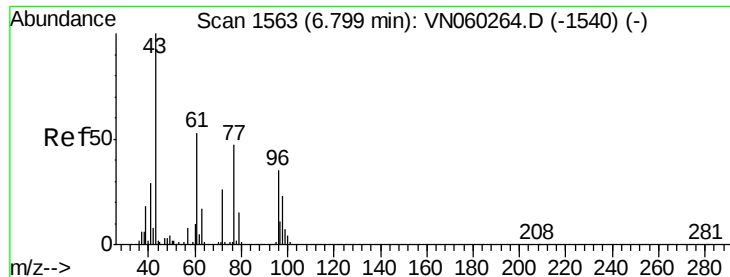
MMDadoda
 3/12/2020 2:45:27 PM



#24
 1,1-Dichloroethane
 Concen: 50.845 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion: 63 Resp: 204032
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 288.197 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tot Ion: 43 Resp: 381055

Ion Ratio Lower Upper

43 100

72 26.0 20.9 31.3

Instrument :

MSVOA_N

ClientSampled :

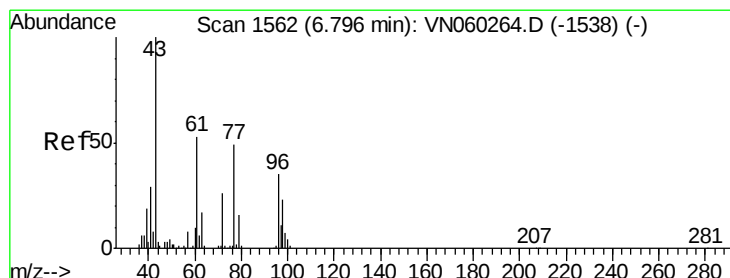
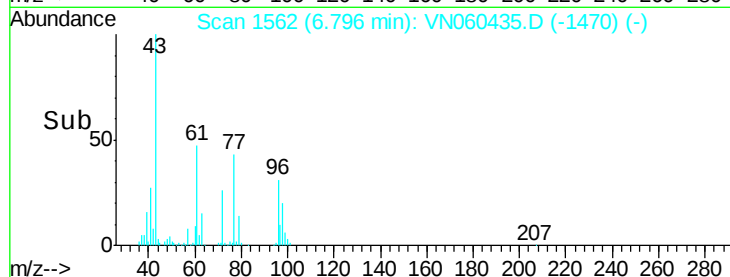
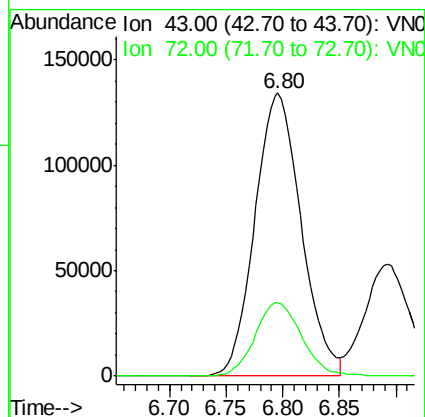
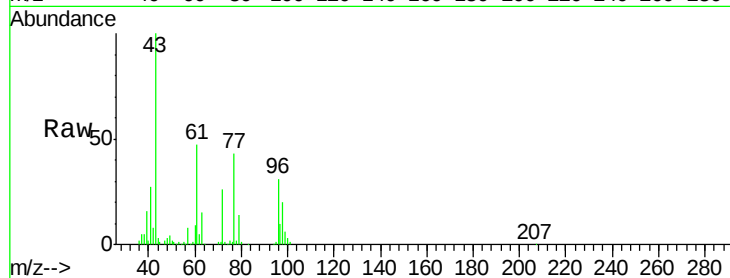
VSTDCCC050

Manual Integrations

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MMDadoda

3/12/2020 2:45:27 PM



#26

2,2-Dichloropropane

Concen: 51.117 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060435.D

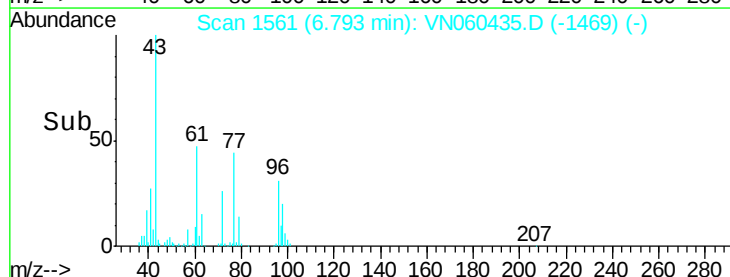
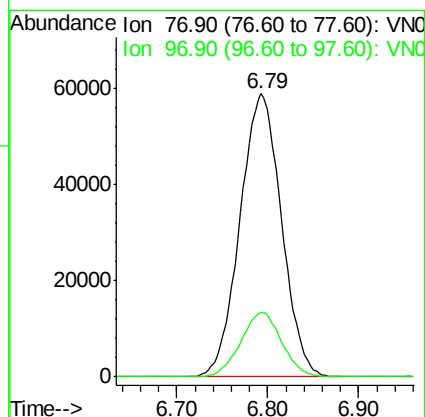
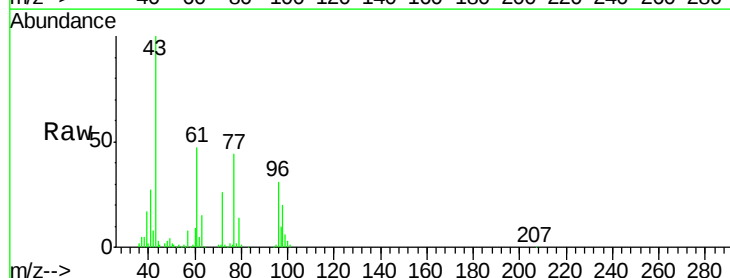
Acq: 11 Mar 2020 8:53

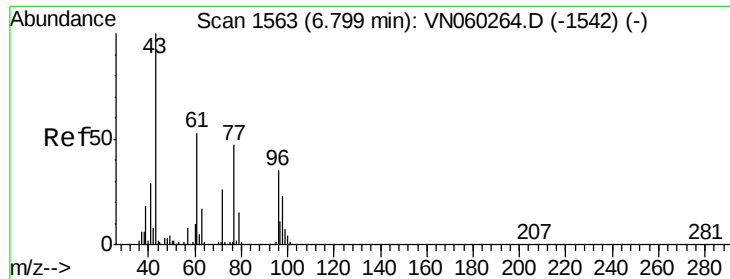
Tgt Ion: 77 Resp: 186740

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 46.995 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060435.D

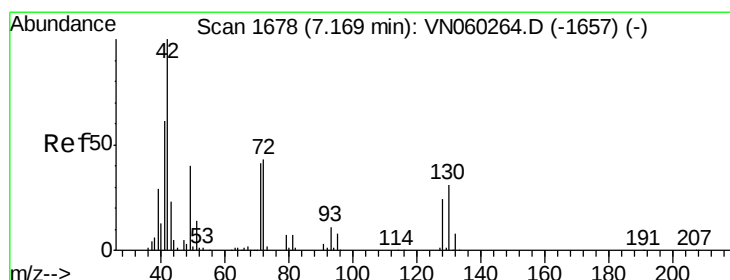
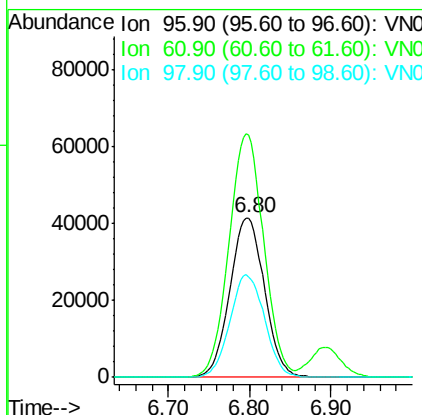
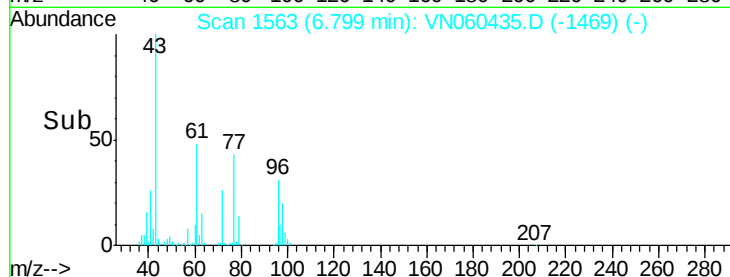
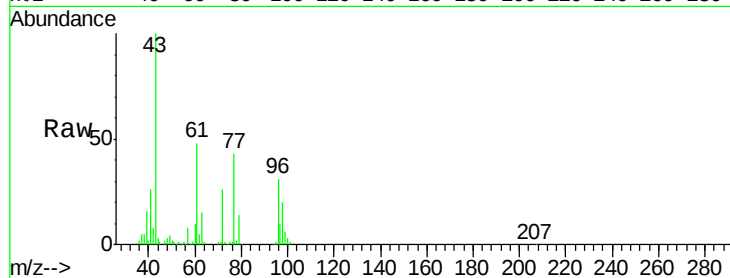
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.7	0.0	300.8	
98	64.5	0.0	128.2	

Manual Integrations
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#28

Bromochloromethane

Concen: 51.472 ug/l

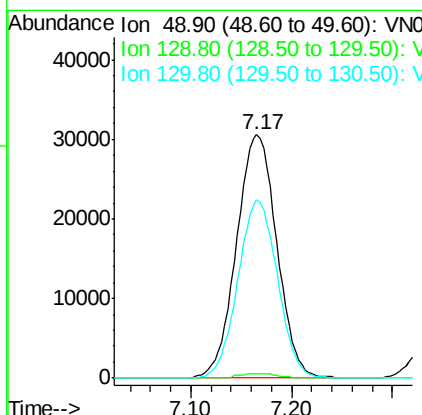
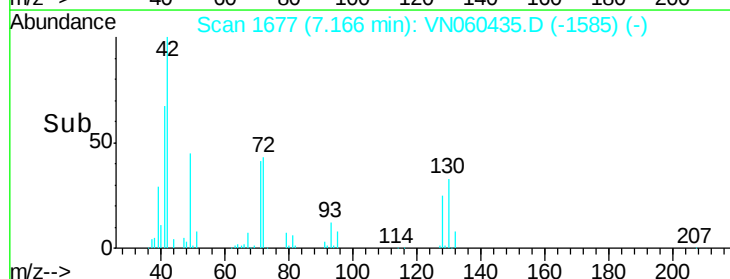
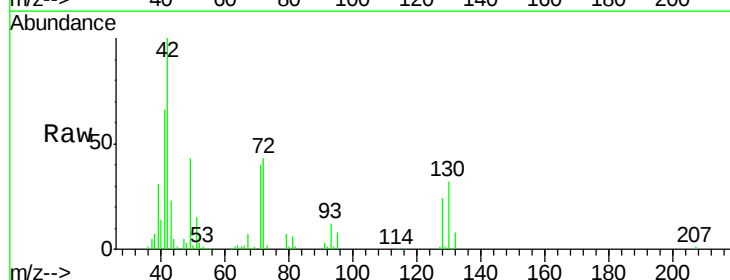
RT: 7.17 min Scan# 1677

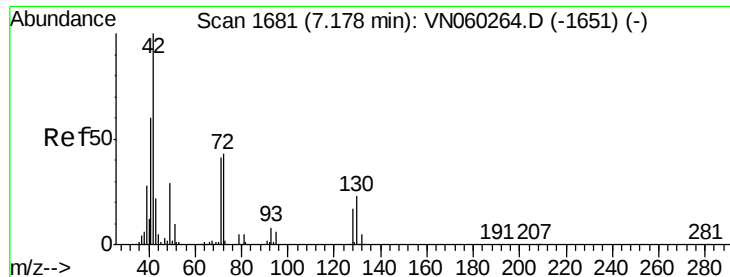
Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.8	
130	71.9	59.8	89.8	





#29

Tetrahydrofuran

Concen: 257.312 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

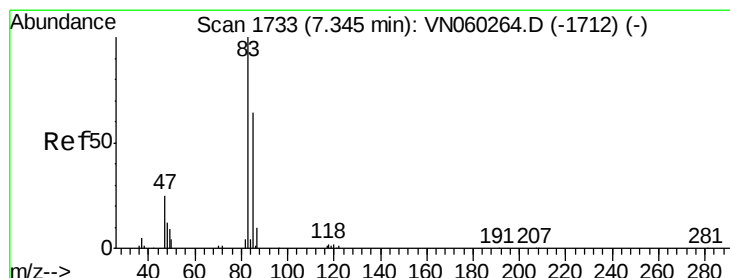
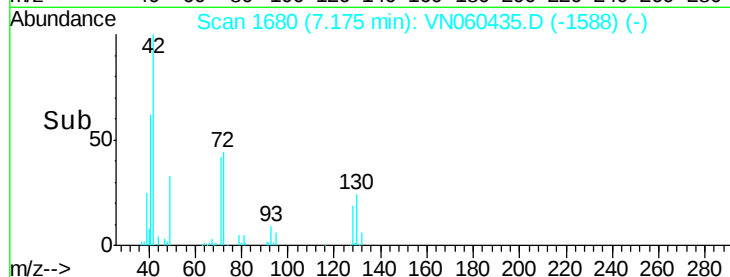
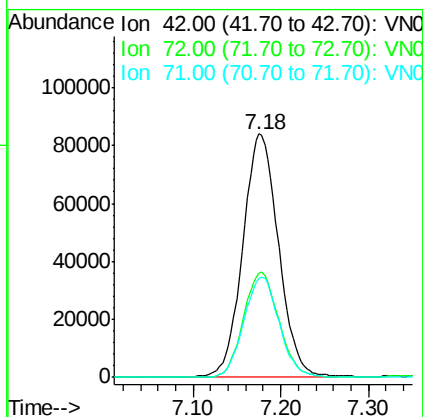
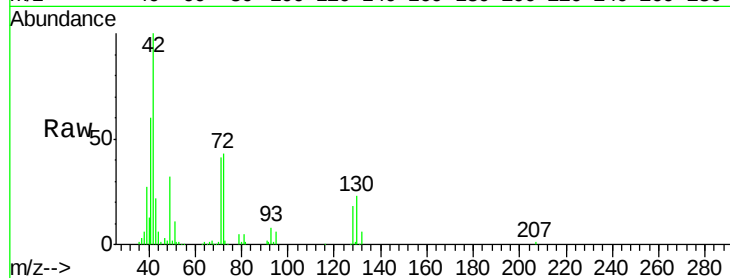
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	236581
Ion Ratio		Lower	Upper
42	100		
72	42.9	34.6	52.0
71	40.9	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 51.562 ug/l

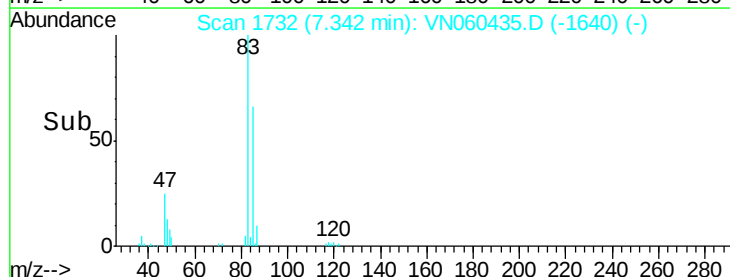
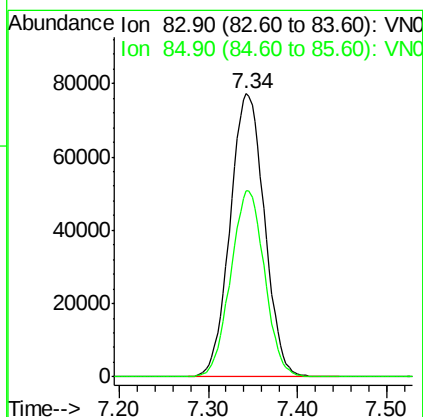
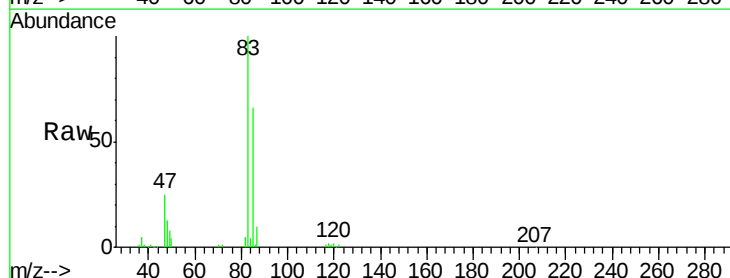
RT: 7.34 min Scan# 1732

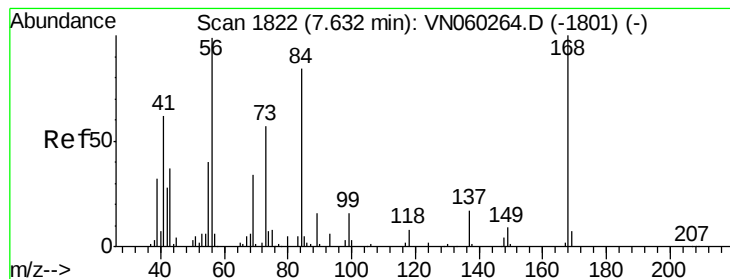
Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion:	83	Resp:	205974
Ion Ratio		Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 50.324 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 172299

Ion Ratio Lower Upper

56 100

69 33.7 27.2 40.8

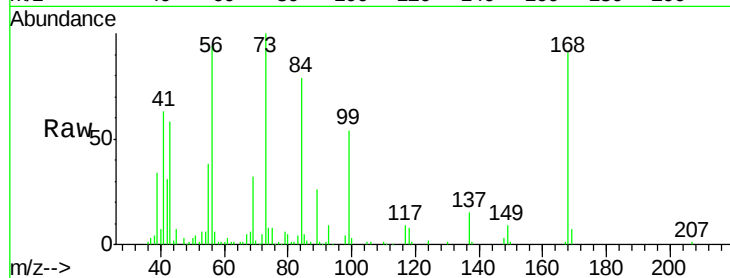
84 82.9 66.7 100.1

Manual Integrations

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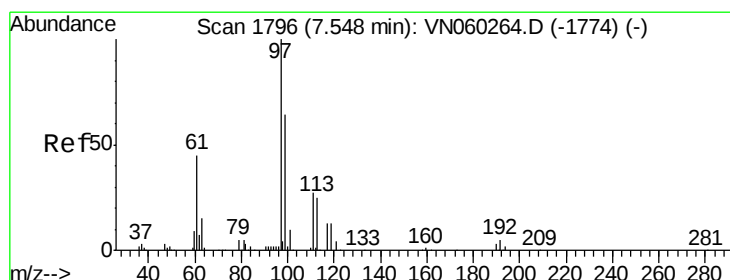
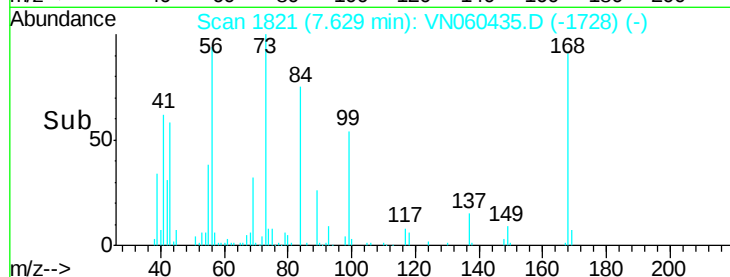
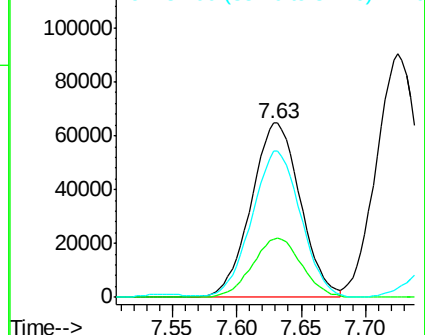


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.784 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

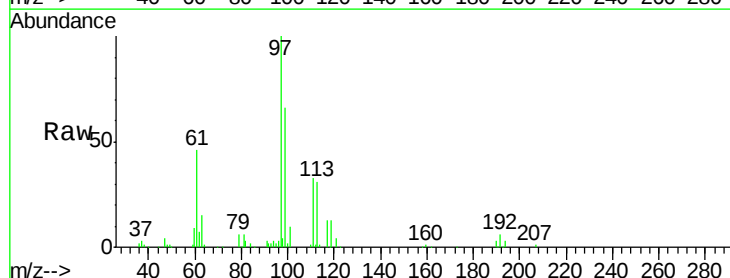
Tgt Ion: 97 Resp: 176201

Ion Ratio Lower Upper

97 100

99 64.8 51.4 77.0

61 46.5 36.6 55.0

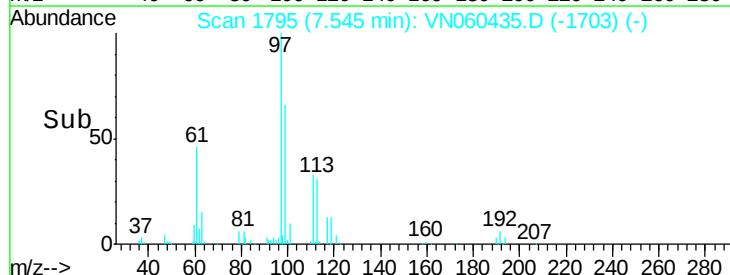
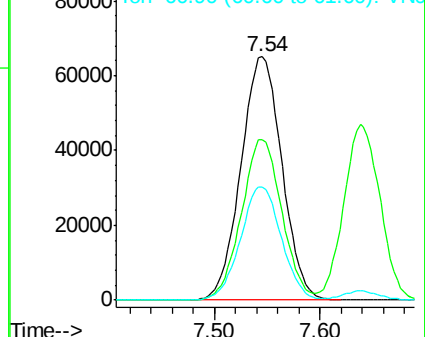


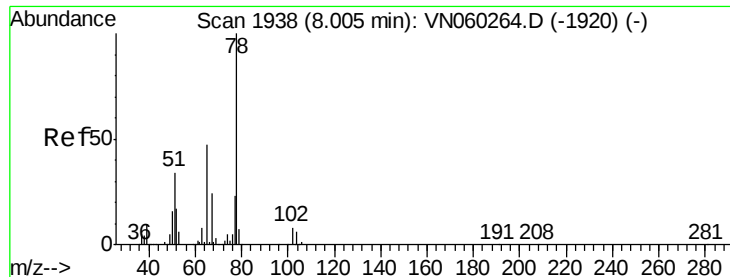
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





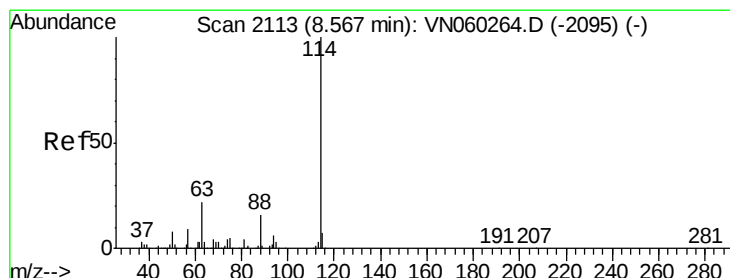
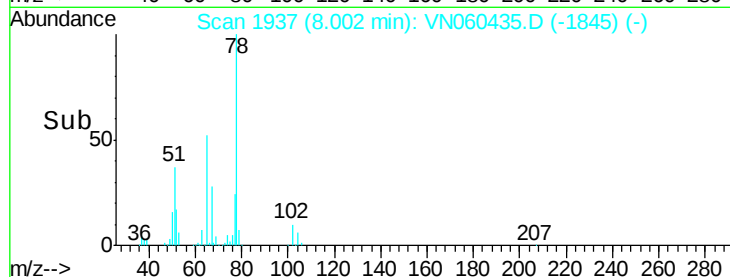
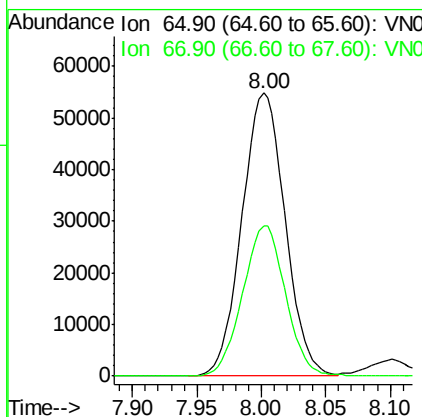
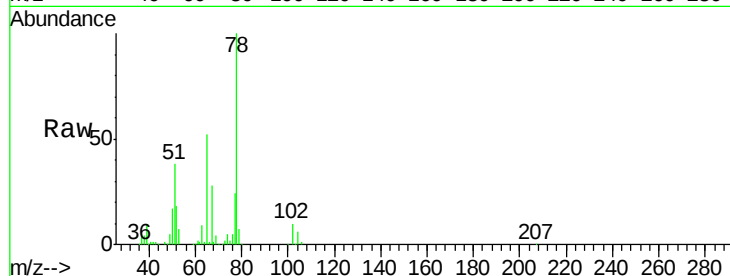
#33
 1,2-Dichloroethane-d4
 Concen: 50.587 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

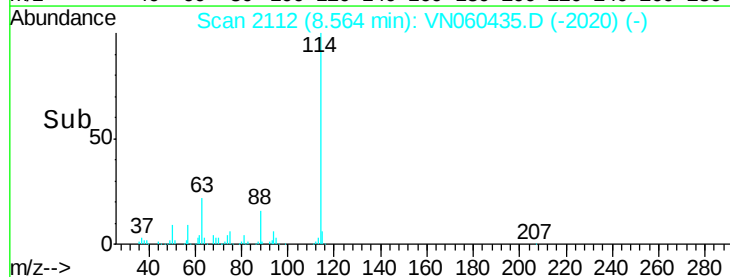
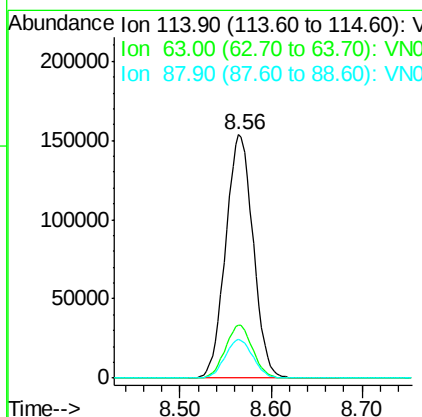
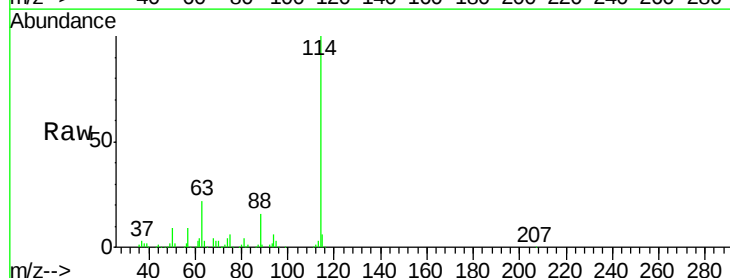
Manual Integrations
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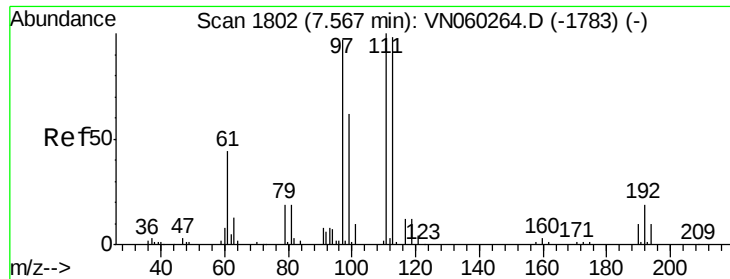
MMDadoda
 3/12/2020 2:45:27 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.2	
88	16.0	0.0	31.6	





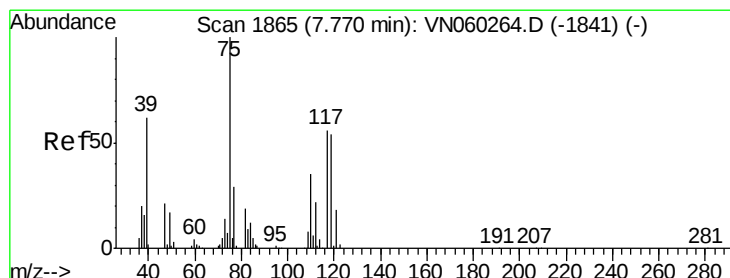
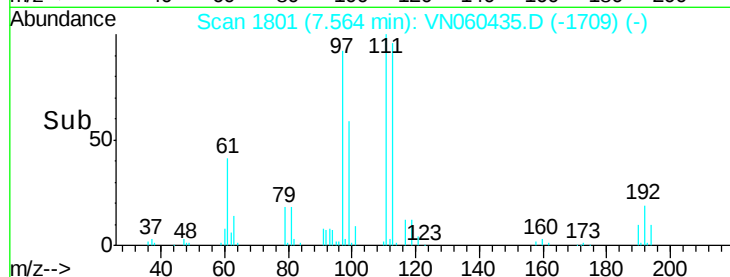
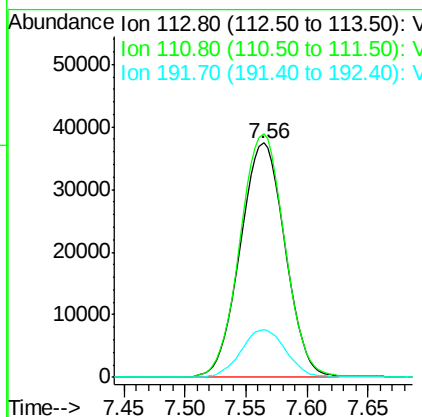
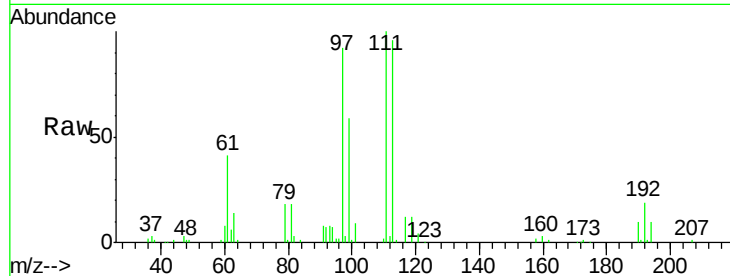
#35
Dibromofluoromethane
Concen: 63.838 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.4	16.2	24.2

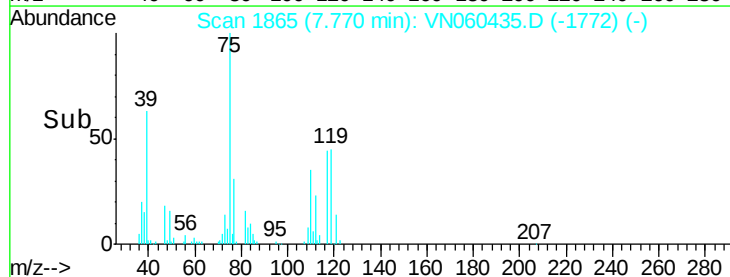
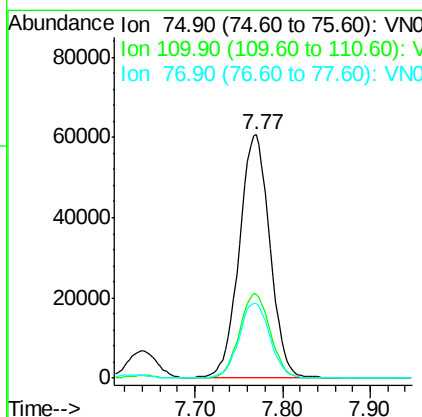
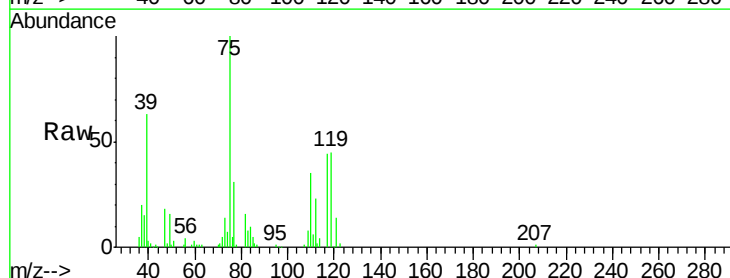
Manual Integrations
APPROVED

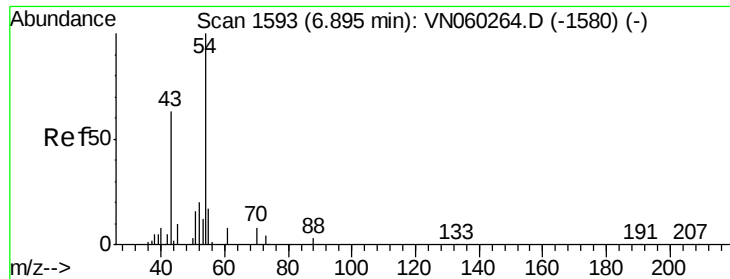
MMDadoda
3/12/2020 2:45:27 PM



#36
1,1-Dichloropropene
Concen: 48.244 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.3	52.0
77	31.0	24.2	36.2





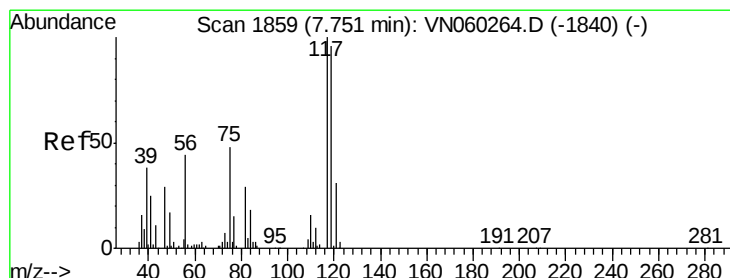
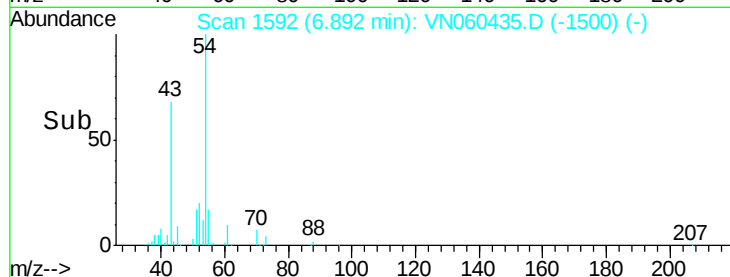
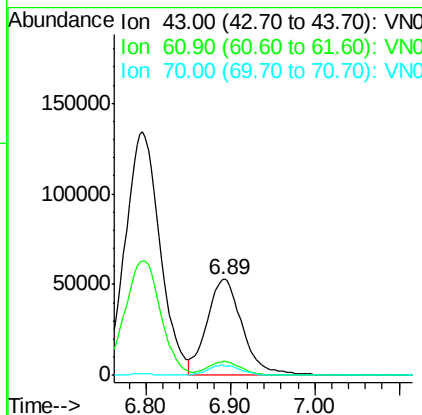
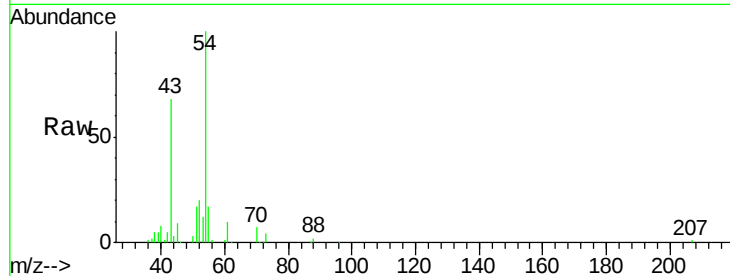
#37
Ethyl Acetate
Concen: 52.799 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.6	11.1	16.7	
70	10.1	8.4	12.6	

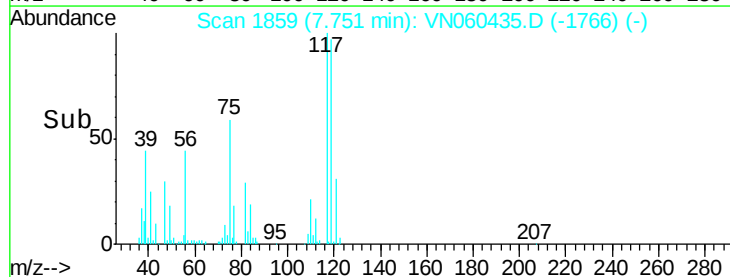
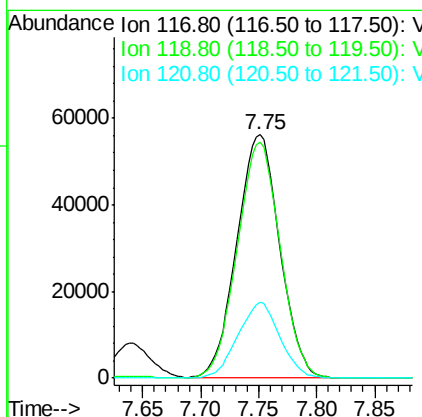
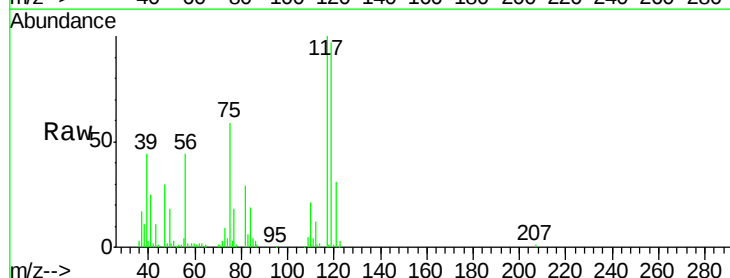
Manual Integrations
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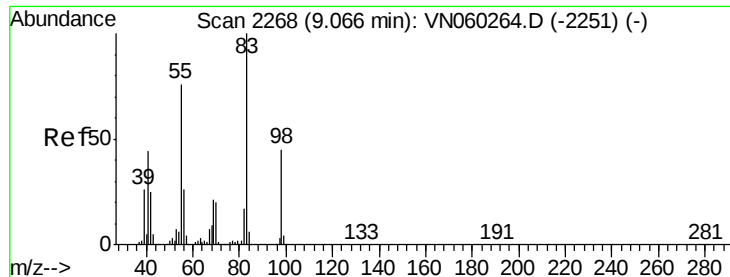
MMDadoda
3/12/2020 2:45:27 PM



#38
Carbon Tetrachloride
Concen: 48.641 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.9	76.7	115.1	
121	31.0	24.5	36.7	





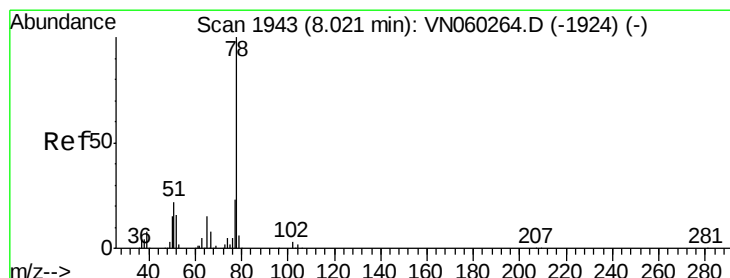
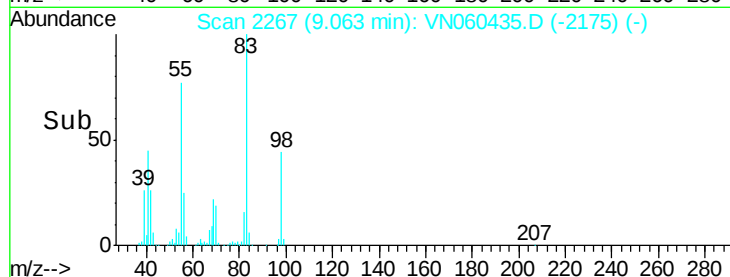
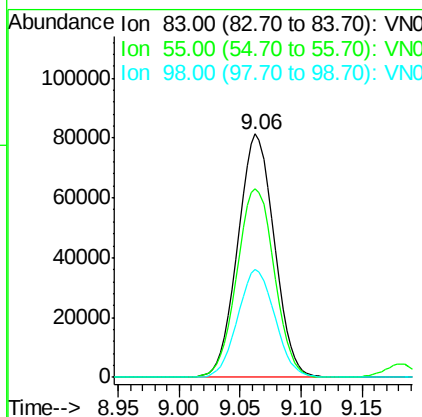
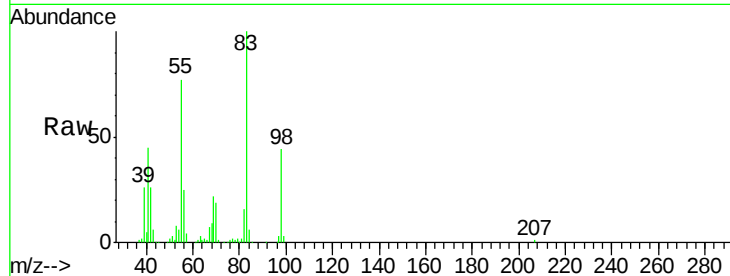
#39
Methvlcvclohexane
Concen: 46.674 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	61.0	91.4
98	44.2	36.1	54.1

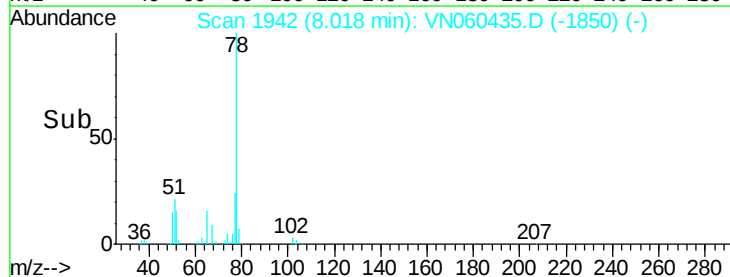
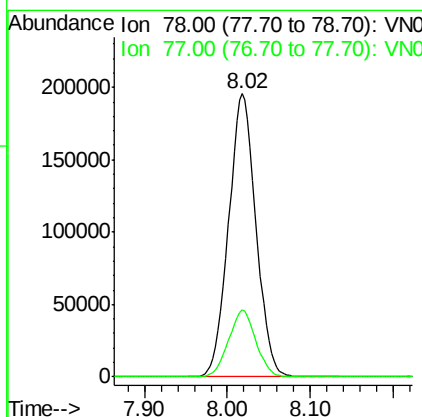
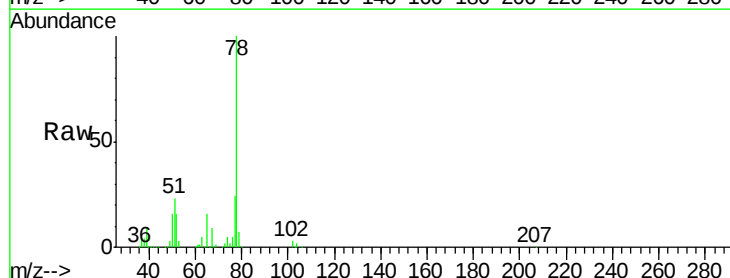
Manual Integrations
APPROVED

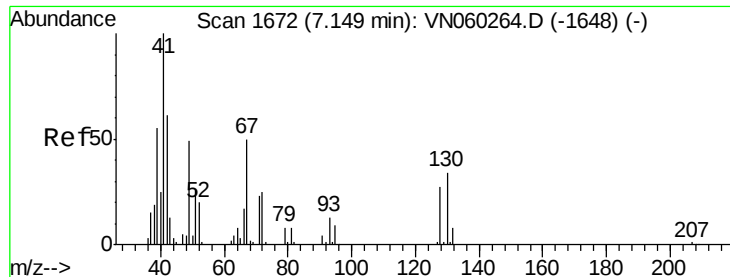
MMDadoda
3/12/2020 2:45:27 PM



#40
Benzene
Concen: 50.370 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





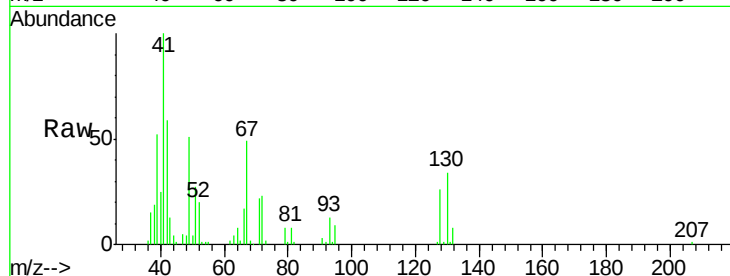
#41
Methacrylonitrile
Concen: 54.951 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

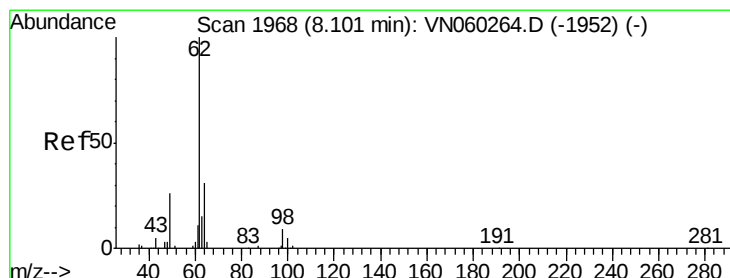
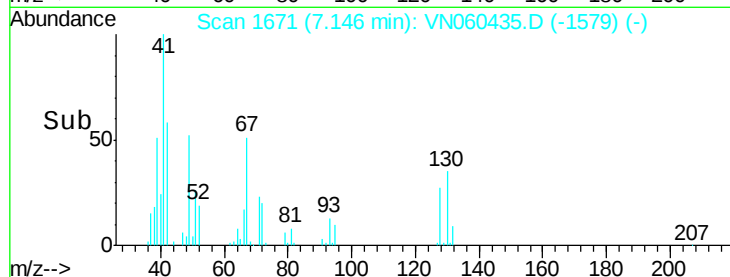
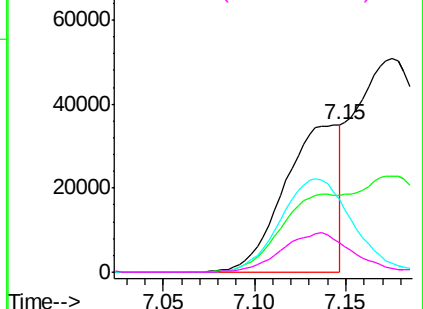
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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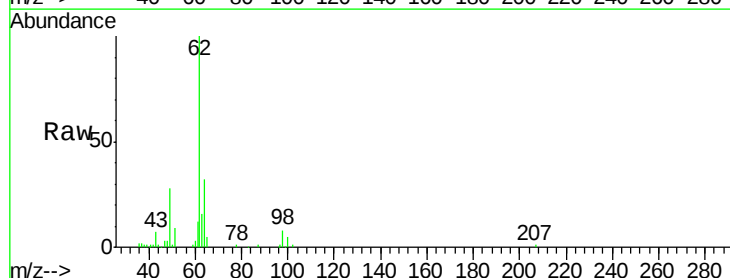


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

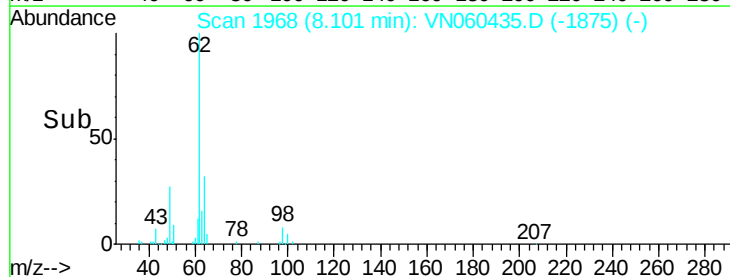
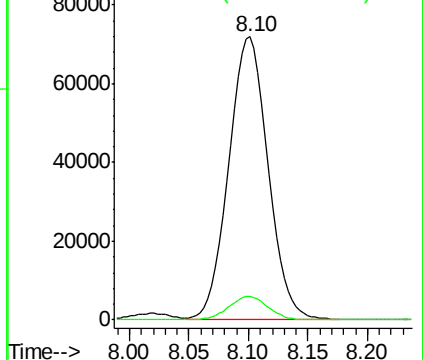


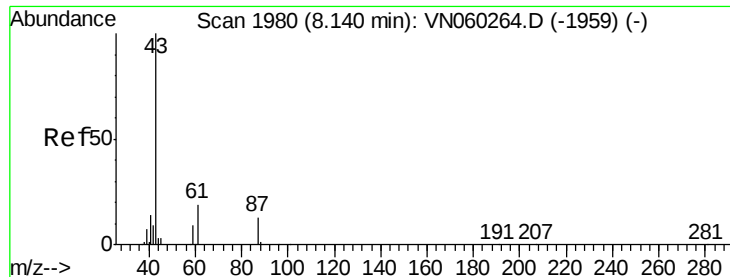
#42
1,2-Dichloroethane
Concen: 50.867 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

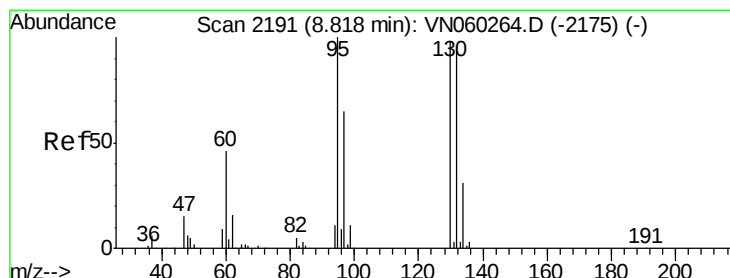
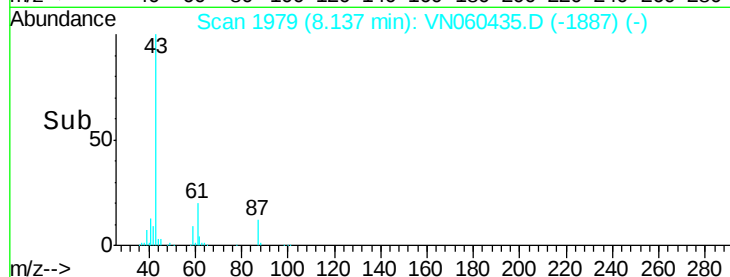
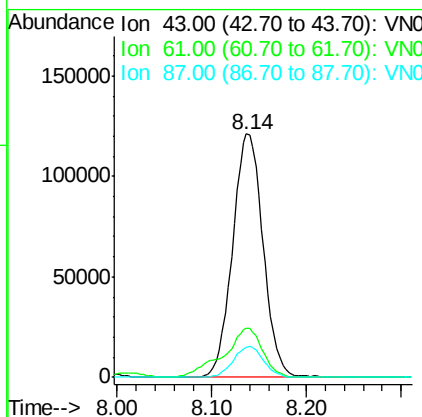
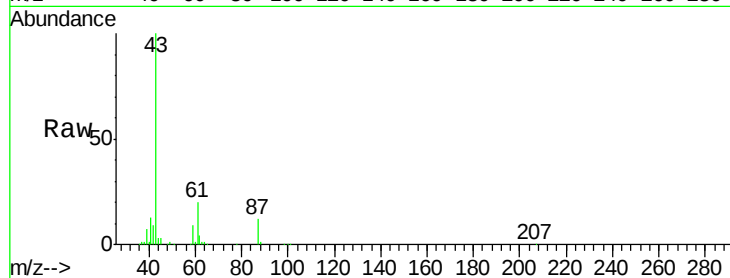
Isopropyl Acetate
 Concen: 53.354 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.9	31.3
87	12.5	10.6	16.0

Manual Integrations
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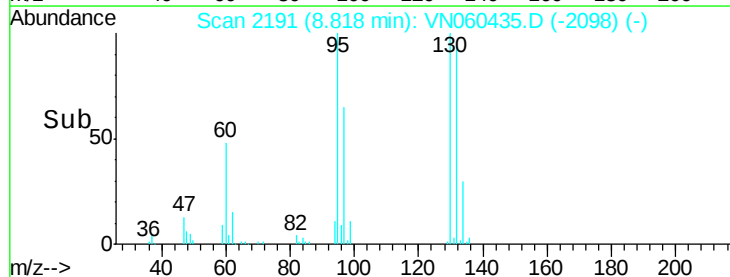
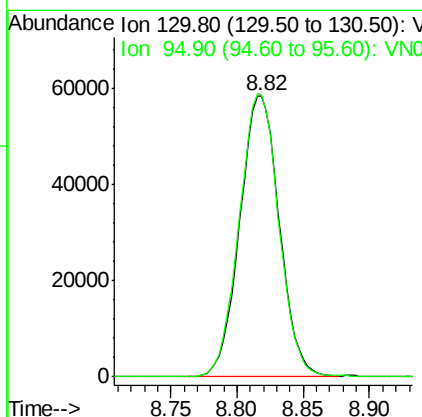
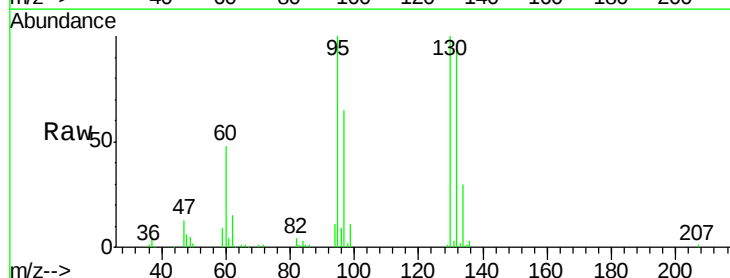
MMDadoda
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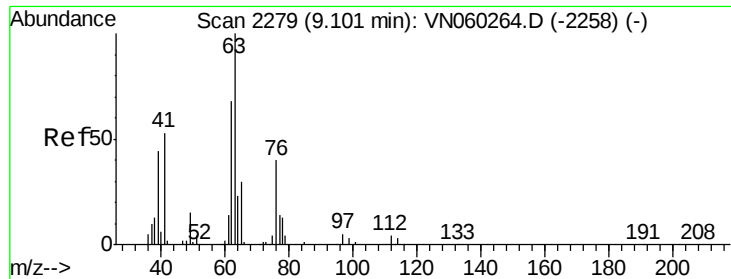


#44

Trichloroethene
 Concen: 48.846 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	203.4





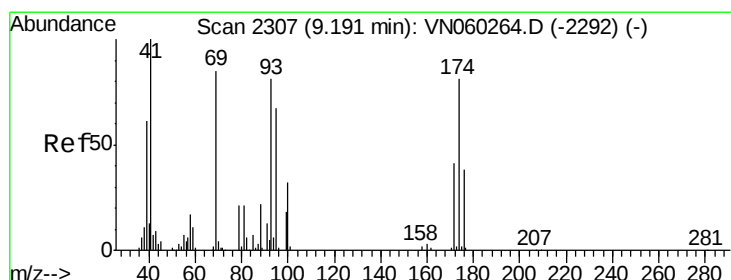
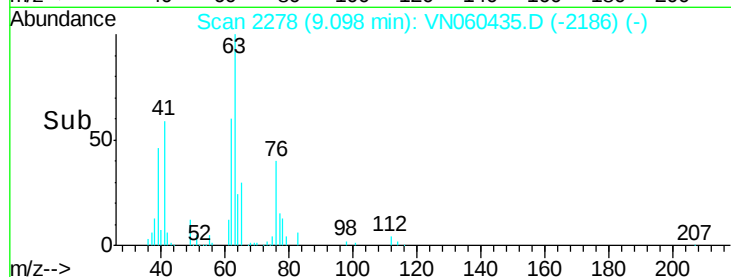
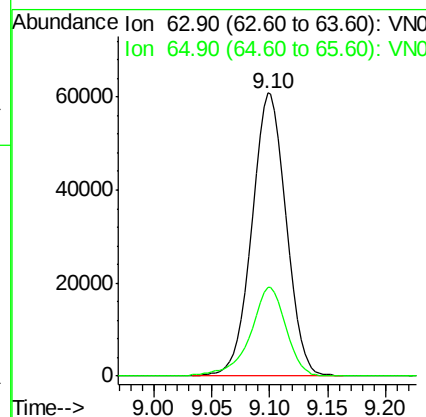
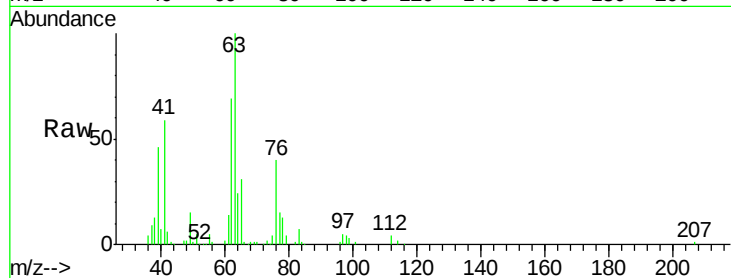
#45
 1,2-Dichloropropane
 Concen: 53.738 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.4	36.6

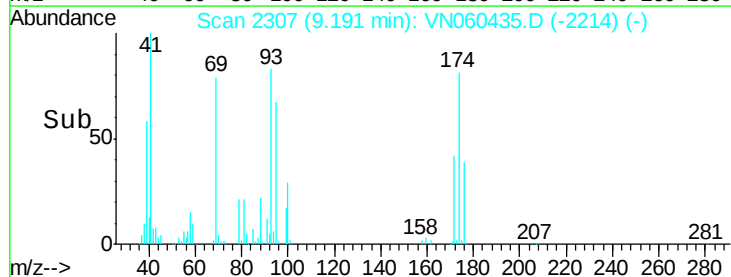
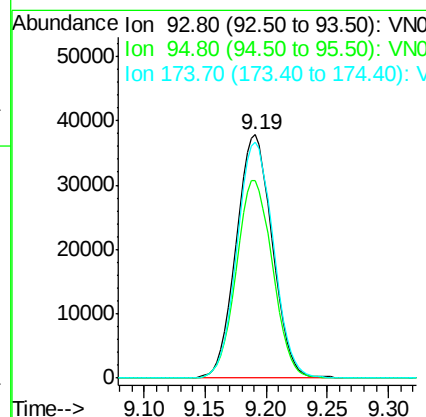
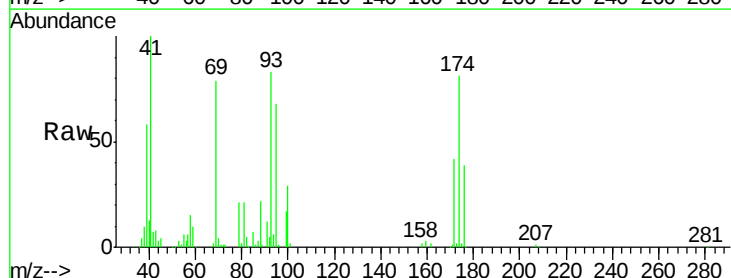
Manual Integrations
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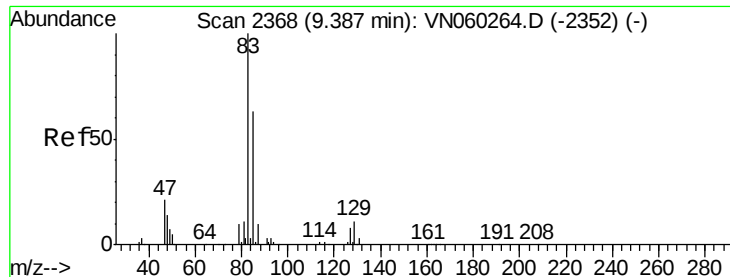
MMDadoda
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#46
 Dibromomethane
 Concen: 51.335 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.9	98.9
174	97.6	79.6	119.4





#47

Bromodichloromethane

Concen: 53.500 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

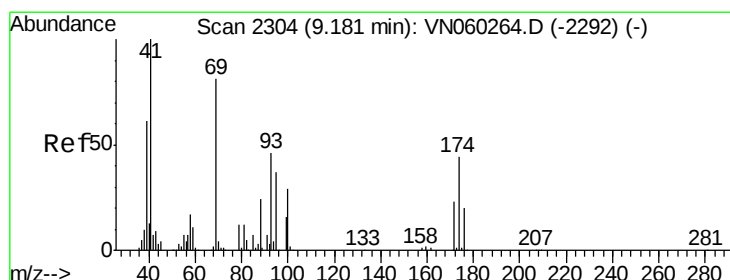
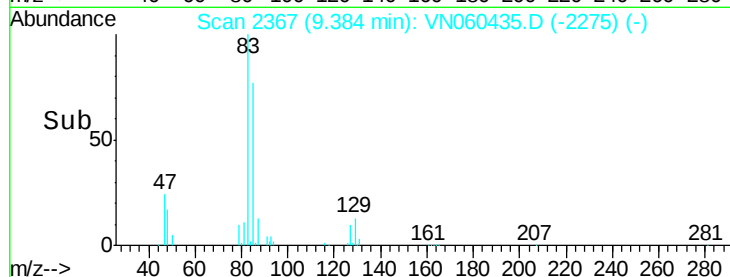
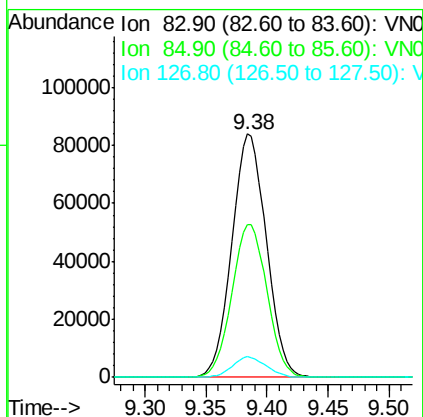
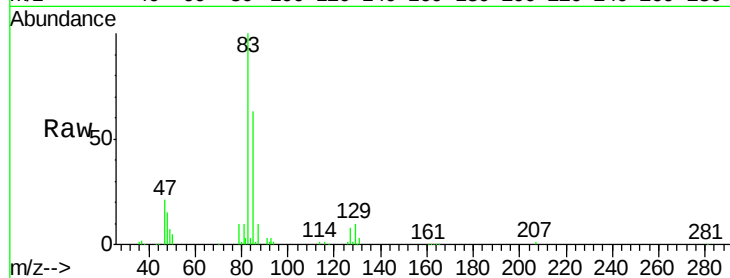
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164629
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.7	76.1
127	8.5	6.8	10.2

Manual Integrations
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3/12/2020 2:45:27 PM



#48

Methyl methacrylate

Concen: 51.873 ug/l

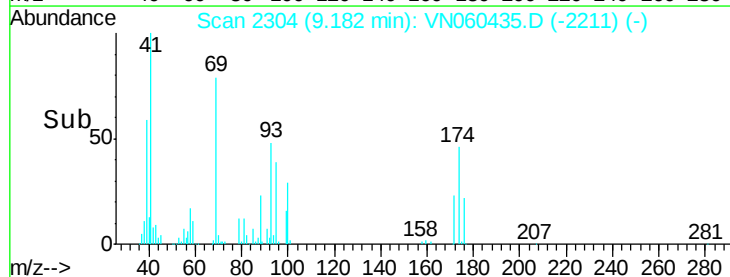
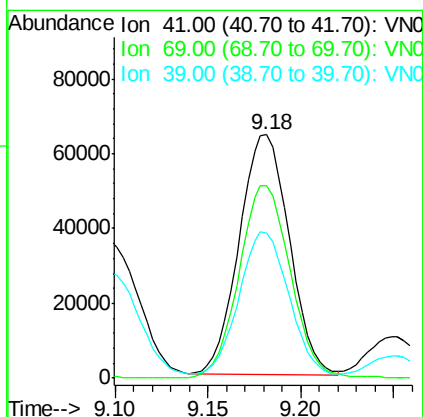
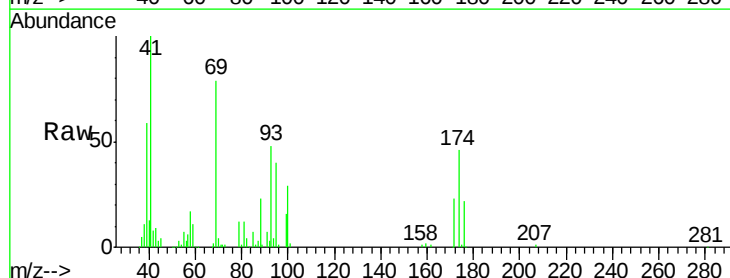
RT: 9.18 min Scan# 2304

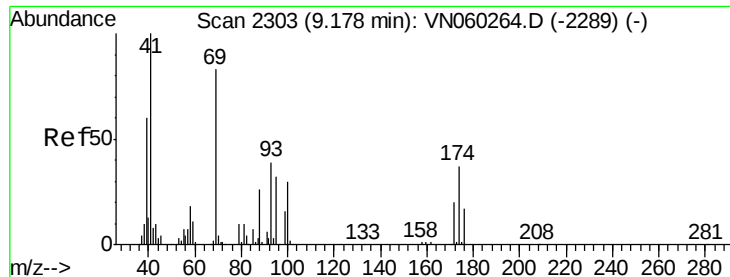
Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Tgt Ion:	41	Resp:	120151
Ion Ratio	Lower	Upper	
41	100		
69	82.7	66.7	100.1
39	62.3	50.1	75.1





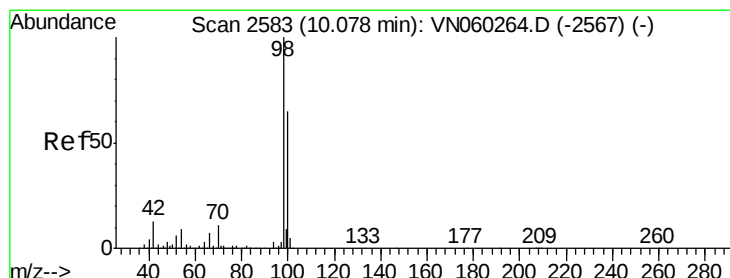
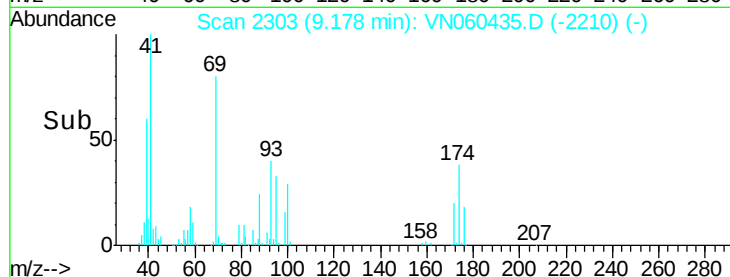
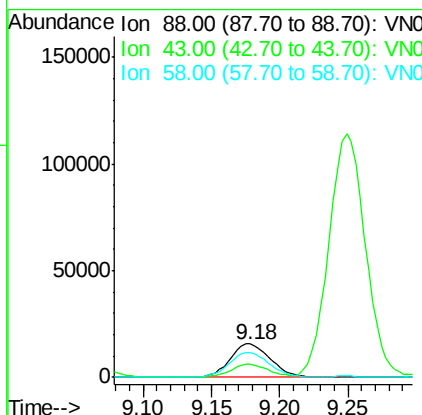
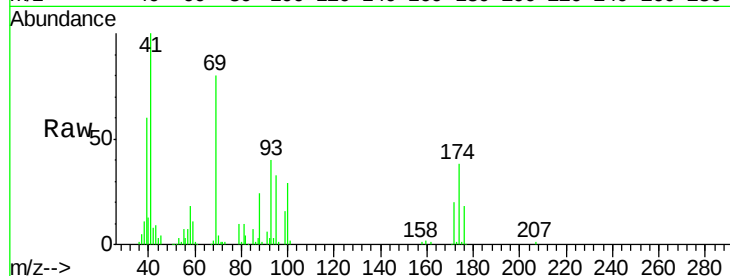
#49
1,4-Dioxane
Concen: 983.954 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.4	45.6
58	74.3	57.0	85.6

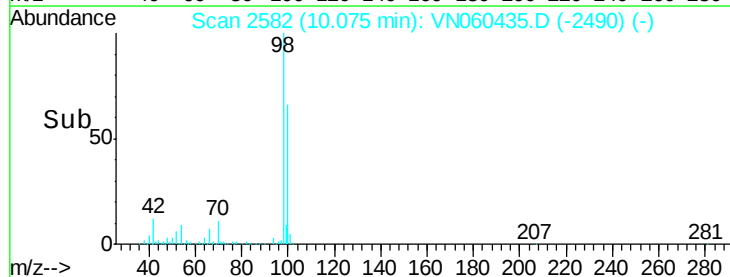
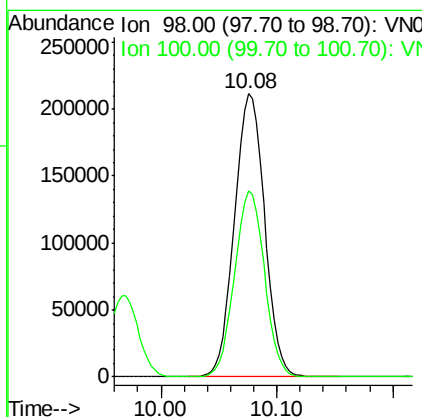
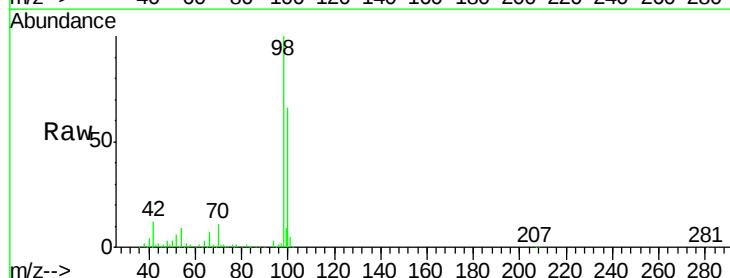
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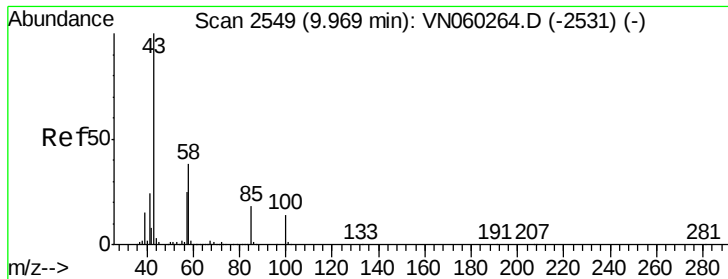
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#50
Toluene-d8
Concen: 50.509 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 273.415 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 787407

Ion Ratio Lower Upper

43 100

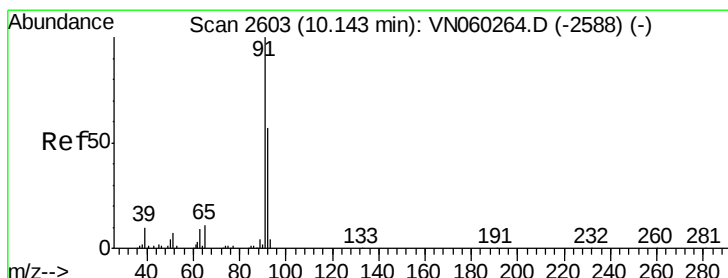
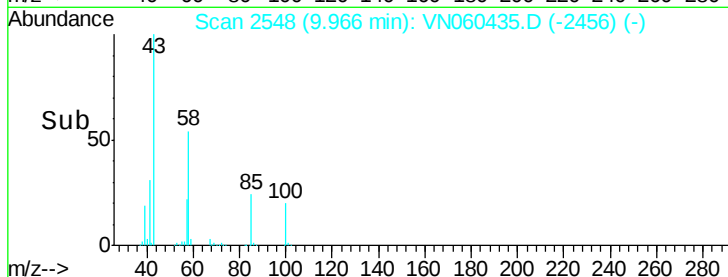
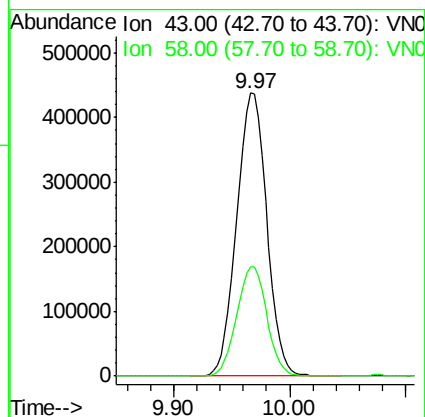
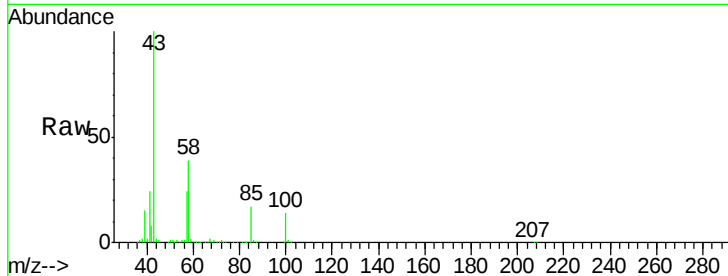
58 38.5 30.9 46.3

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#52

Toluene

Concen: 50.412 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060435.D

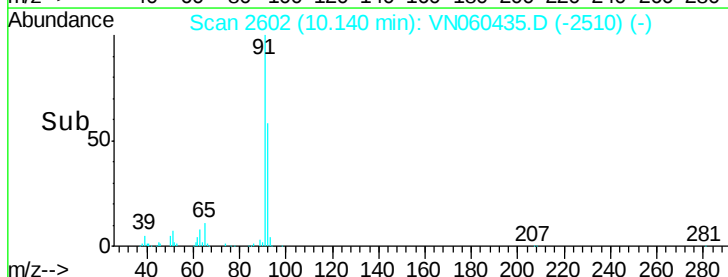
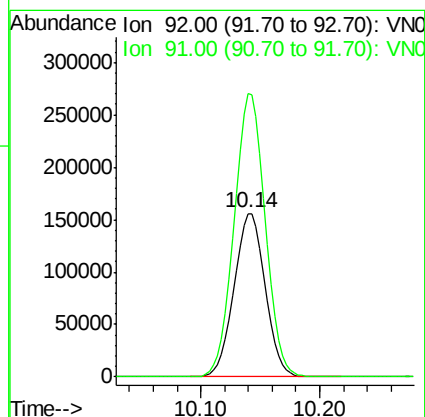
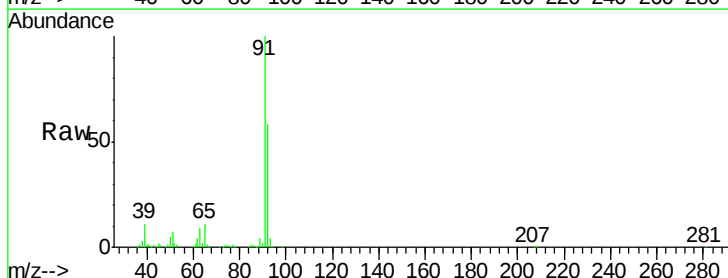
Acq: 11 Mar 2020 8:53

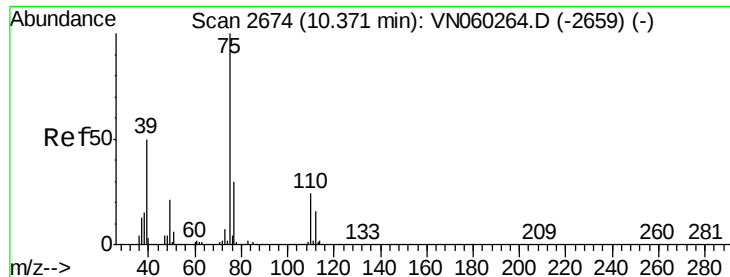
Tgt Ion: 92 Resp: 282420

Ion Ratio Lower Upper

92 100

91 173.0 138.1 207.1





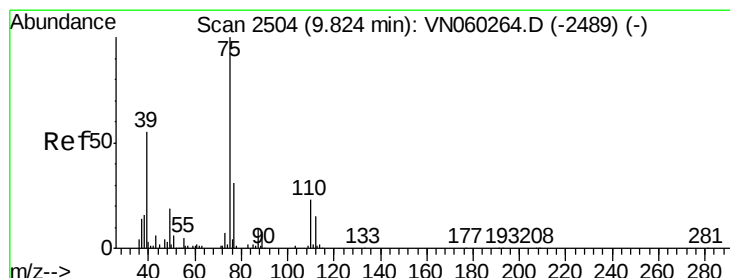
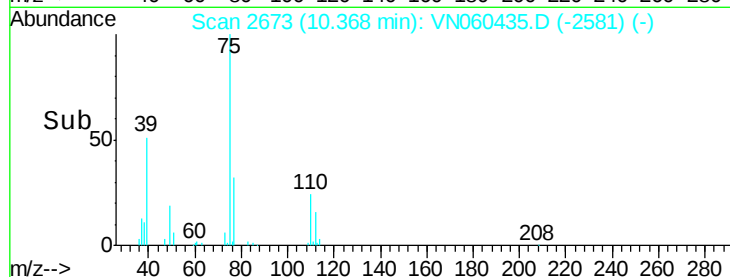
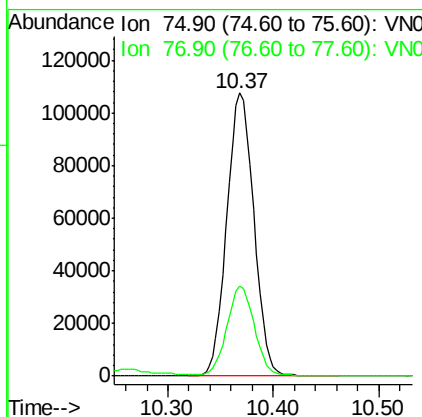
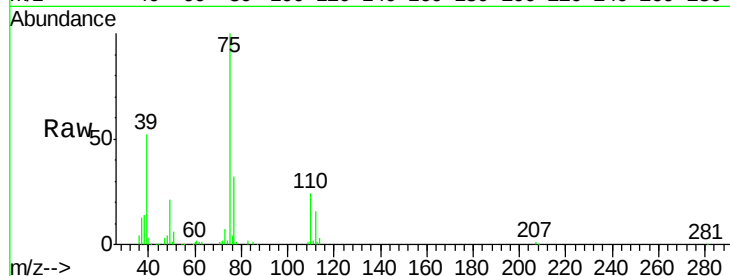
#53
t-1,3-Dichloropropene
Concen: 50.809 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.8	37.2

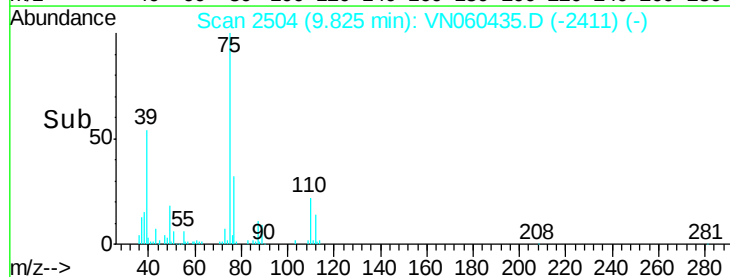
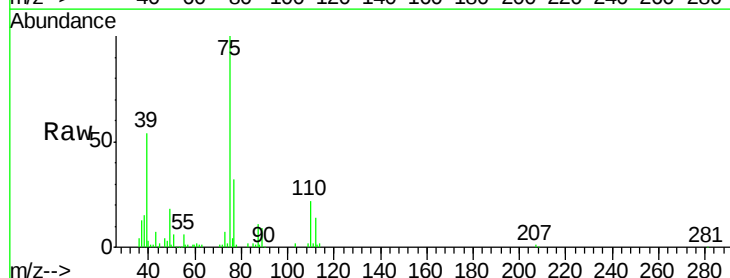
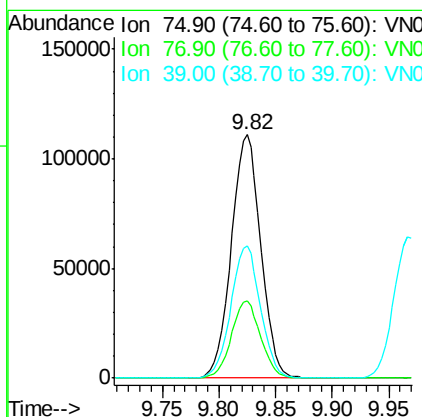
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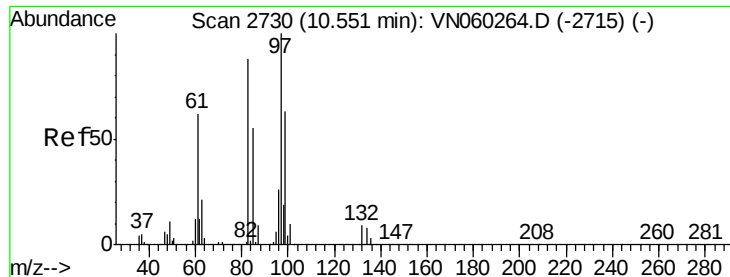
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3/12/2020 2:45:27 PM



#54
cis-1,3-Dichloropropene
Concen: 51.561 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2
39	54.3	43.8	65.8





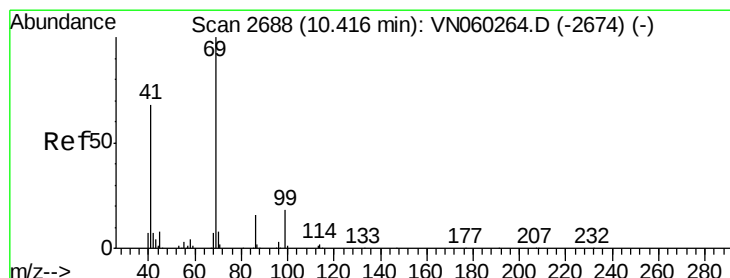
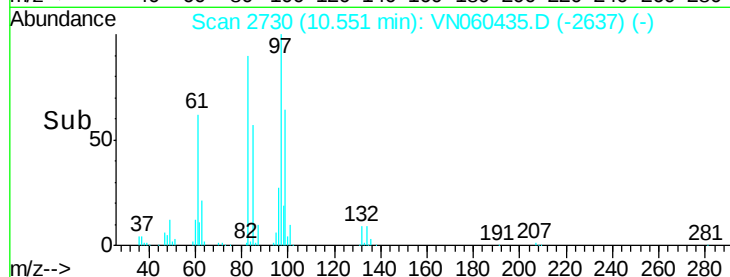
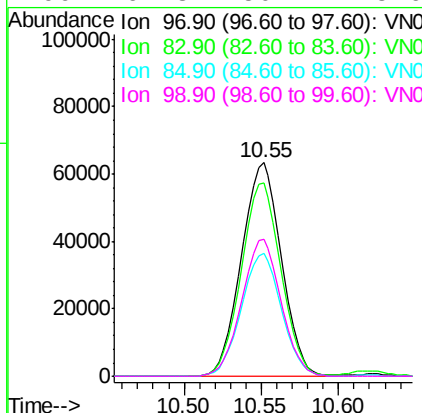
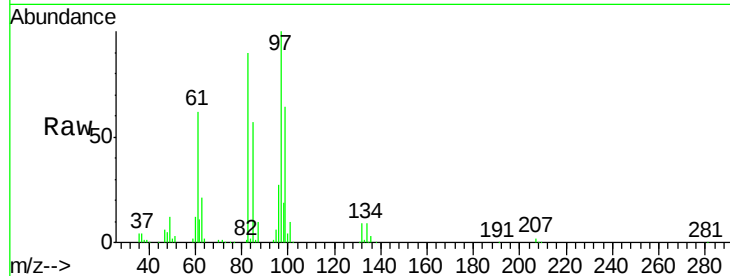
#55
 1,1,2-Trichloroethane
 Concen: 50.652 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.4	70.0	105.0
85	57.3	44.0	66.0
99	64.3	50.4	75.6

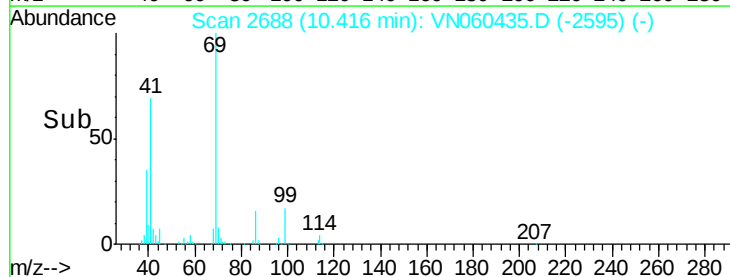
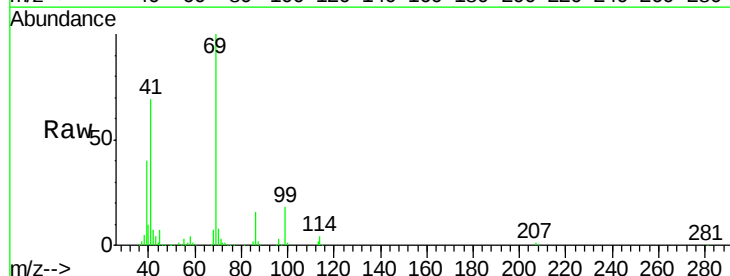
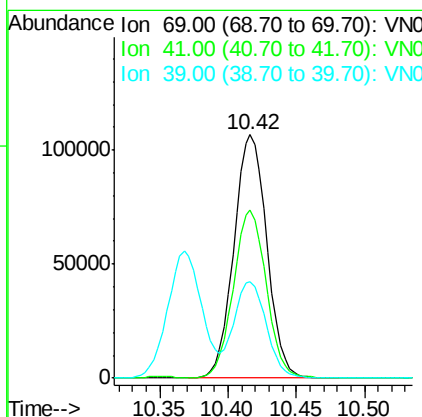
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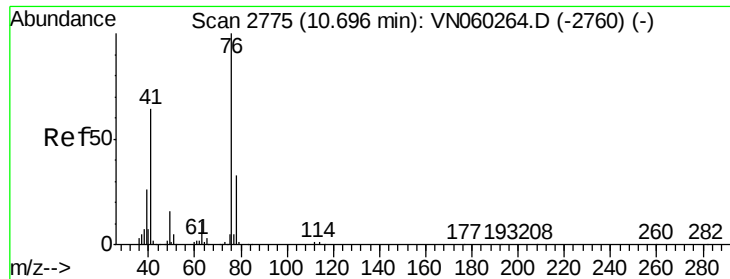
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 3/12/2020 2:45:27 PM



#56
 Ethyl methacrylate
 Concen: 55.479 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	54.1	81.1
39	39.3	32.5	48.7





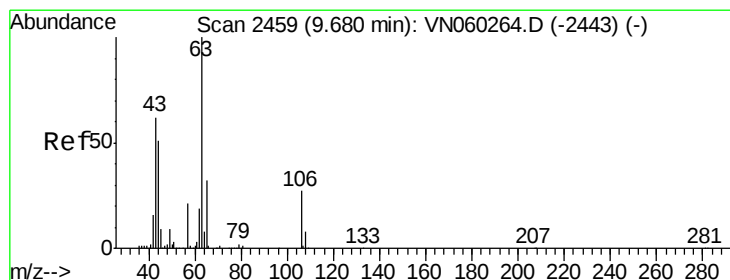
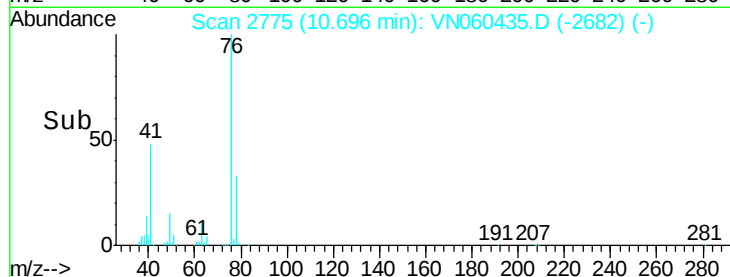
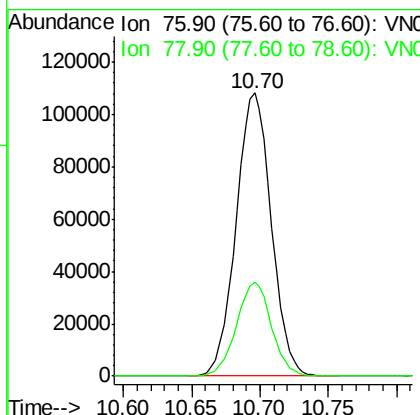
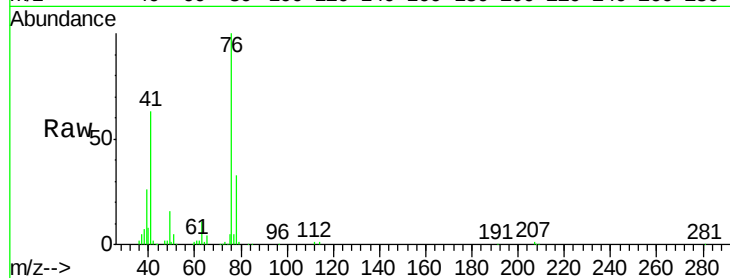
#57
 1,3-Dichloropropane
 Concen: 52.639 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.2

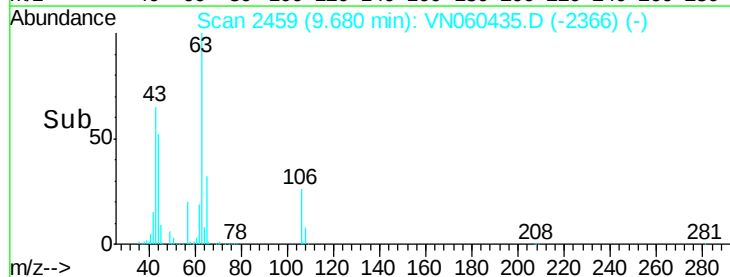
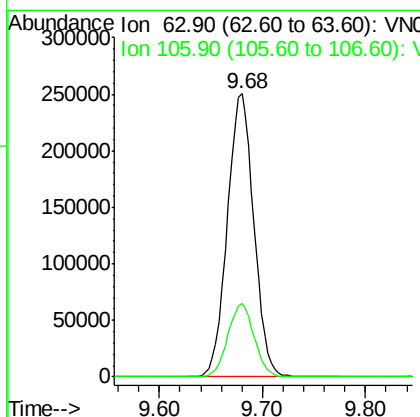
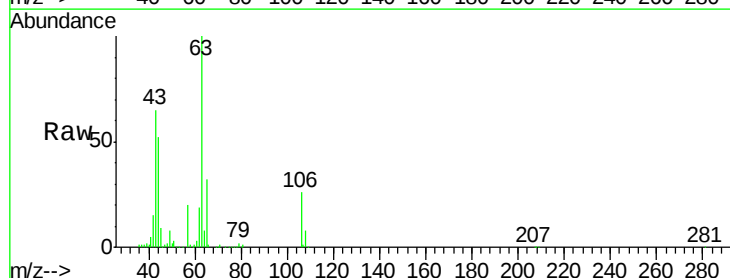
Manual Integrations
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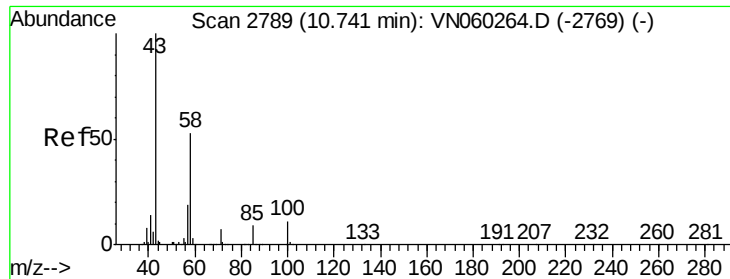
MMDadoda
 3/12/2020 2:45:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.663 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.8	21.1	31.7





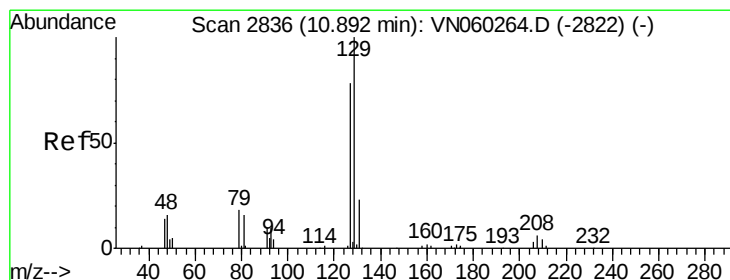
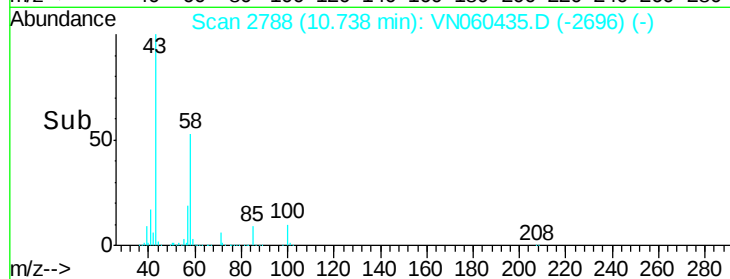
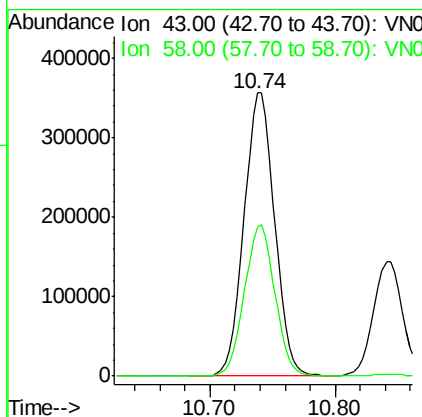
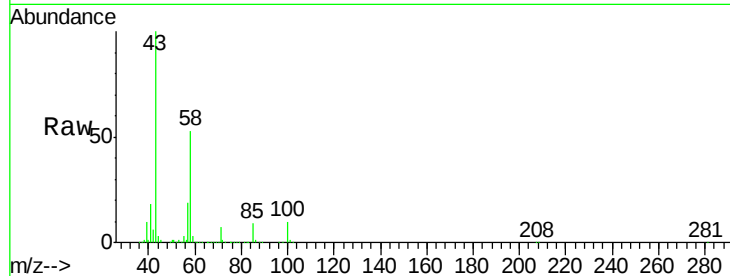
#59
2-Hexanone
Concen: 286.574 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

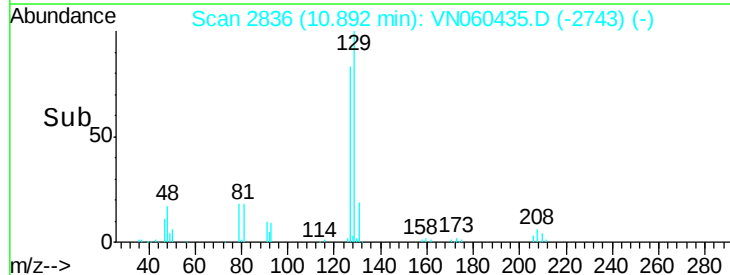
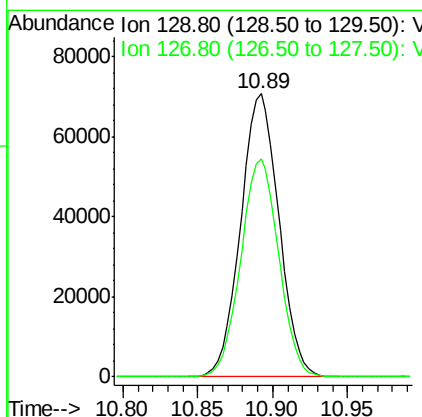
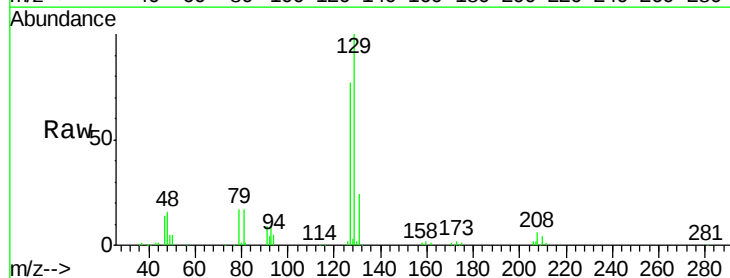
Manual Integrations
APPROVED

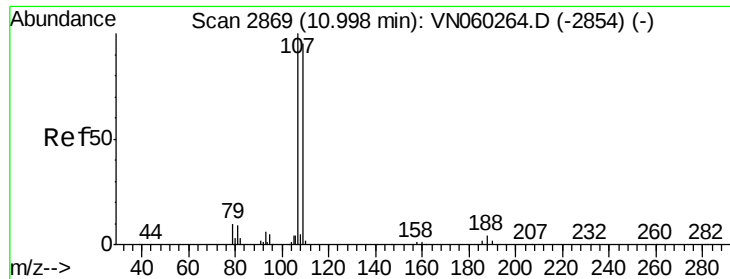
MMDadoda
3/12/2020 2:45:27 PM



#60
Dibromochloromethane
Concen: 54.913 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.9	116.7





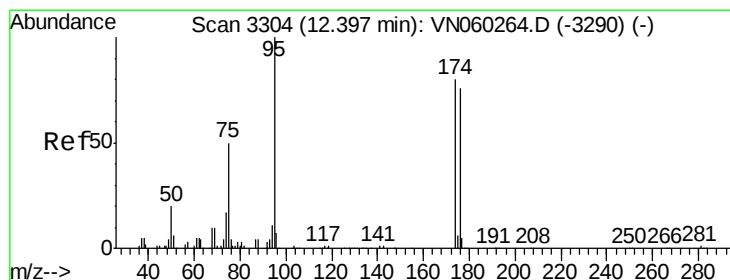
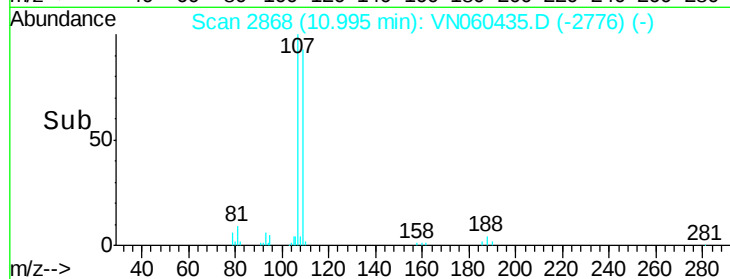
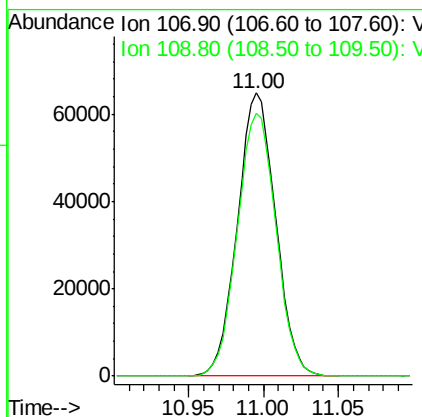
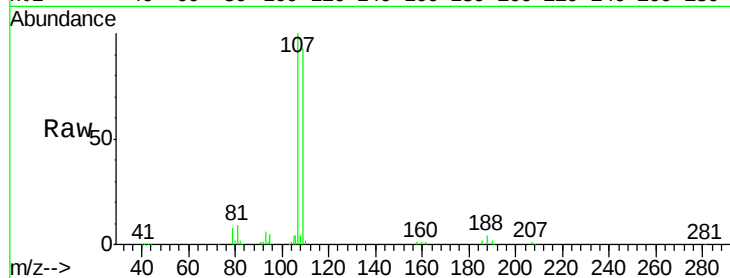
#61
 1,2-Dibromoethane
 Concen: 52.460 ug/l
 RT: 11.00 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.8	115.2

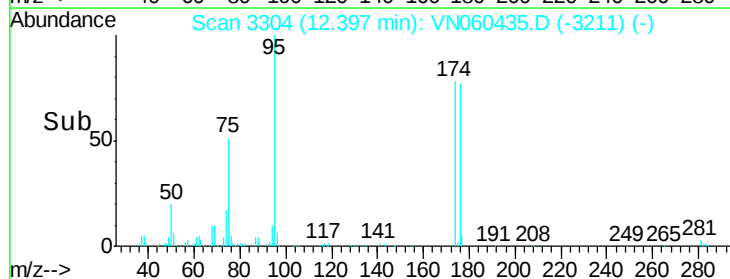
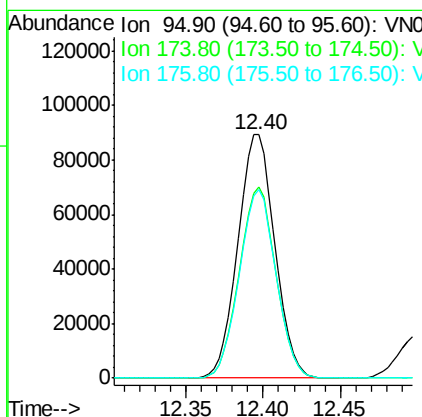
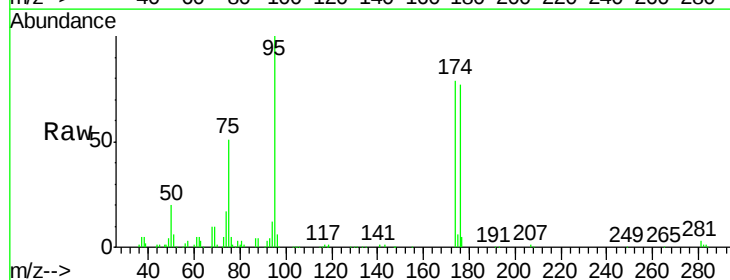
Manual Integrations
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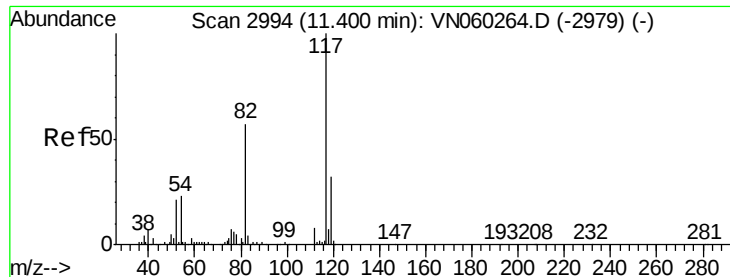
MMDadoda
 3/12/2020 2:45:27 PM



#62
 4-Bromofluorobenzene
 Concen: 51.786 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	159.2
176	76.9	0.0	153.8





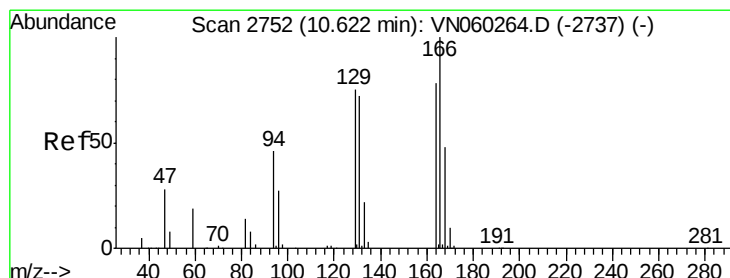
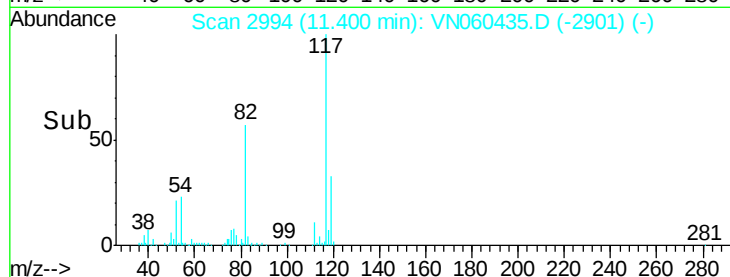
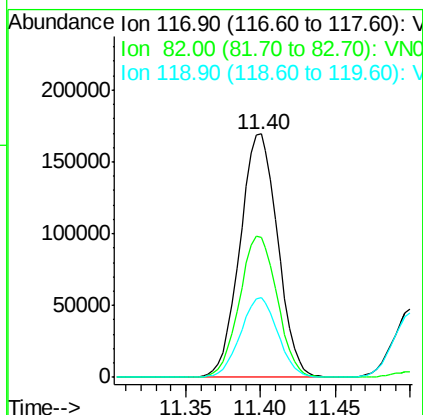
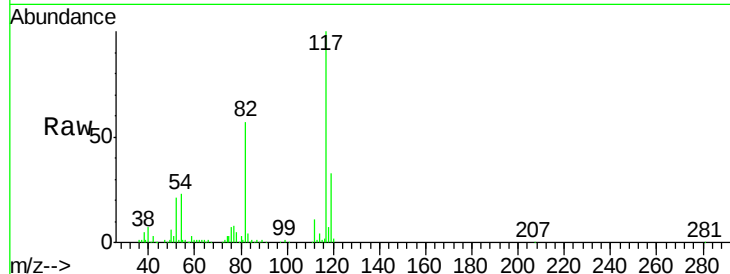
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297635		
82	57.4	45.8	68.6	
119	32.8	25.8	38.8	

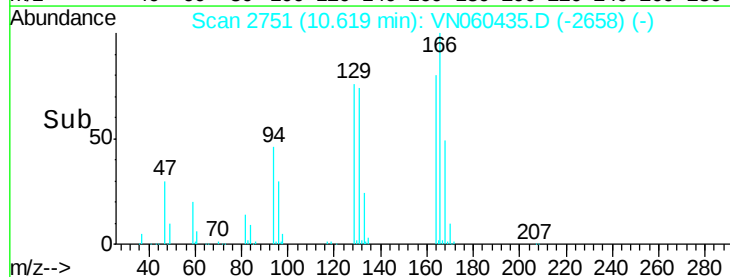
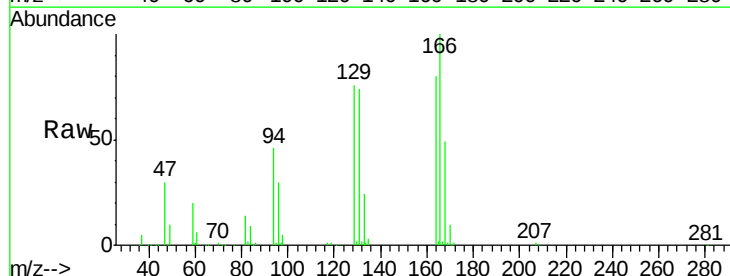
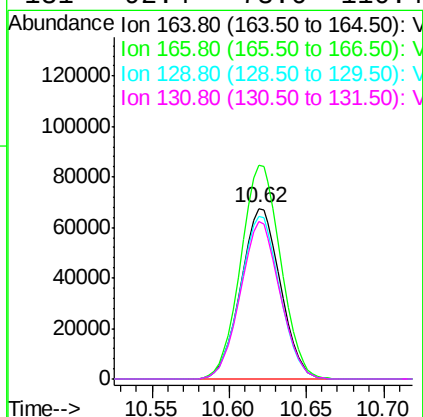
Manual Integrations
APPROVED

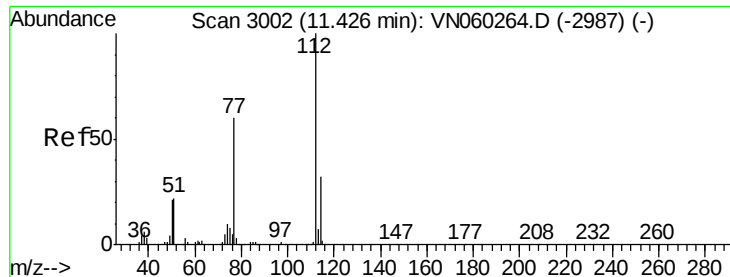
MMDadoda
3/12/2020 2:45:27 PM



#64
Tetrachloroethene
Concen: 51.489 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120562		
166	125.4	102.0	153.0	
129	95.8	76.4	114.6	
131	92.4	73.6	110.4	





#65

Chlorobenzene

Concen: 50.078 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 300968

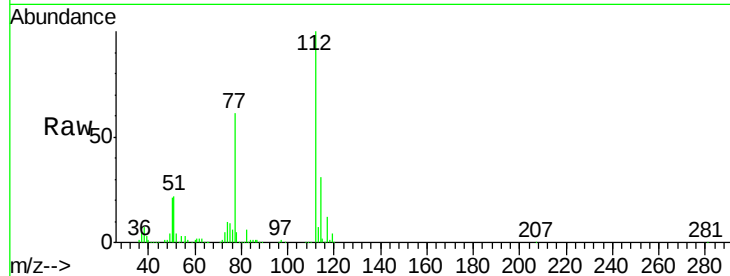
Ion Ratio Lower Upper

112 100

114 31.1 25.4 38.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

200000

150000

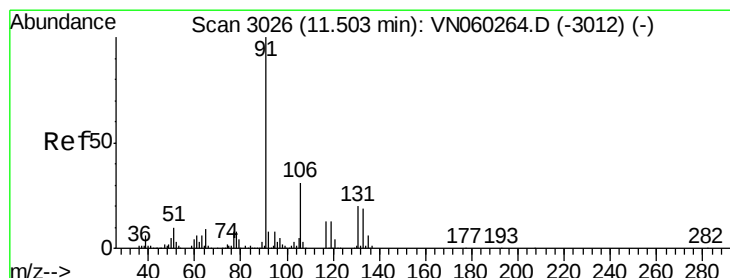
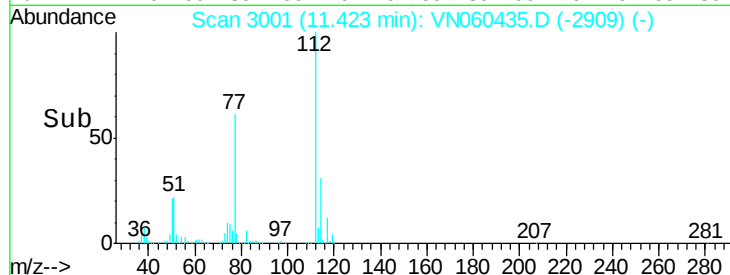
100000

50000

0

11.35 11.40 11.45 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.946 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

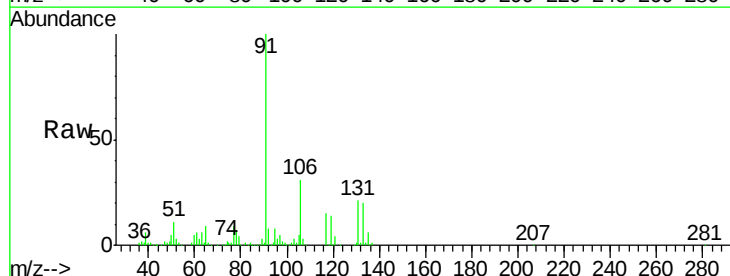
Tgt Ion:131 Resp: 115433

Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

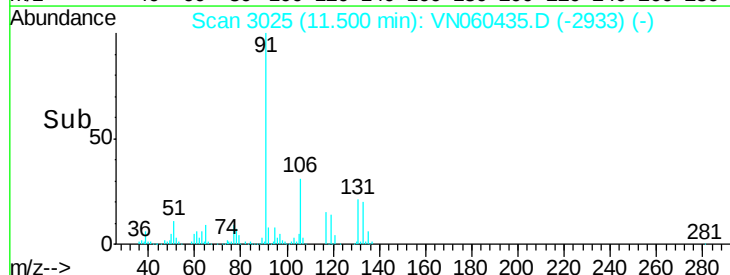
40000

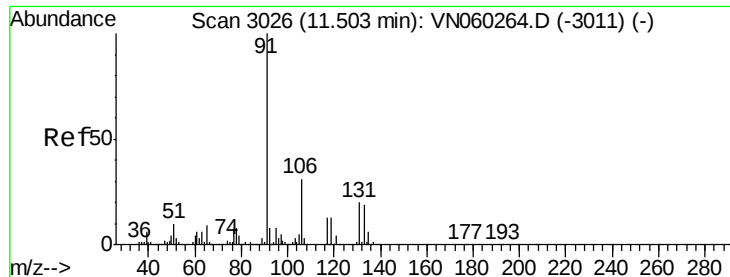
20000

0

11.45 11.50 11.55

Time-->





#67

Ethyl Benzene

Concen: 50.824 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 556260

Ion Ratio Lower Upper

91 100

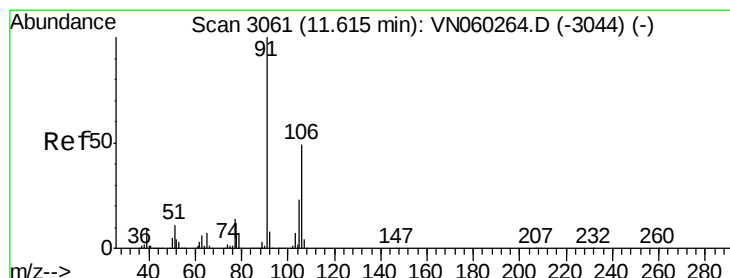
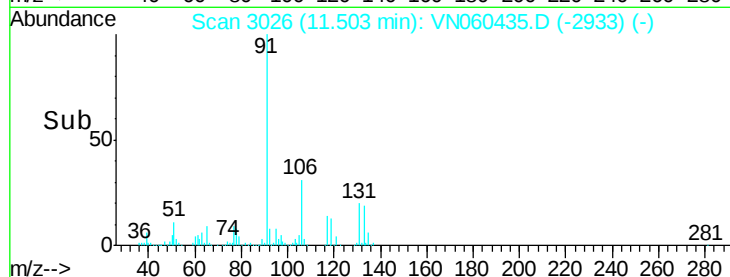
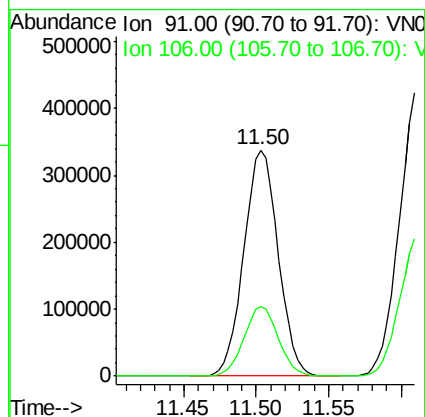
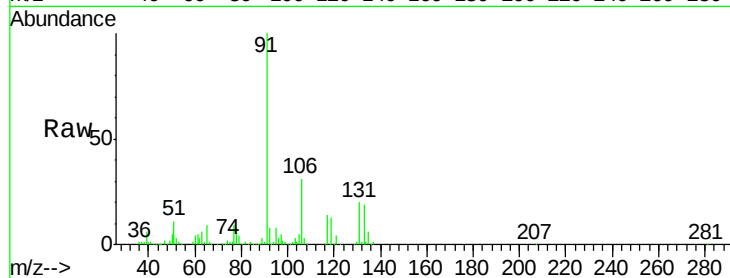
106 31.0 24.7 37.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.556 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060435.D

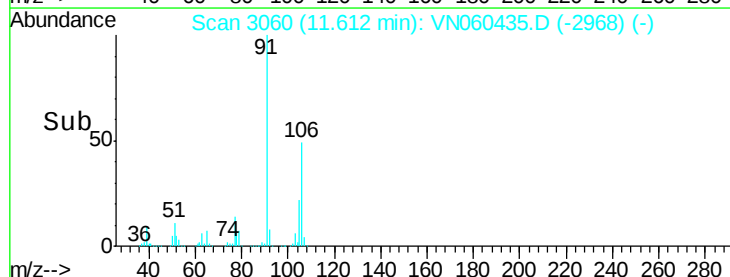
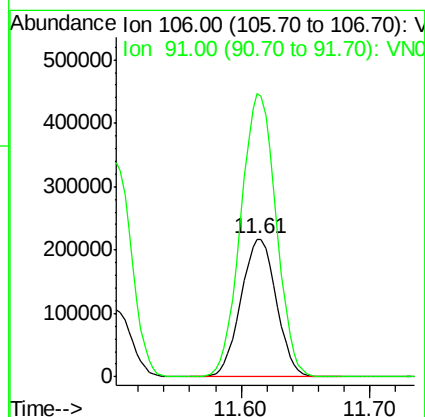
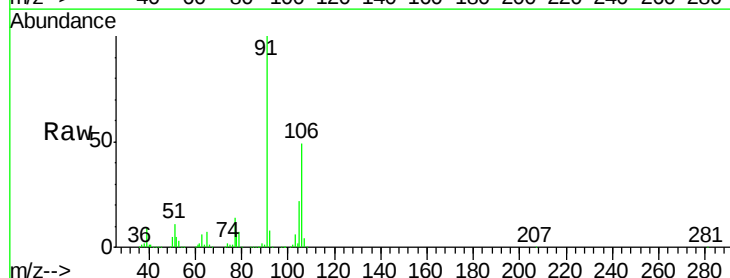
Acq: 11 Mar 2020 8:53

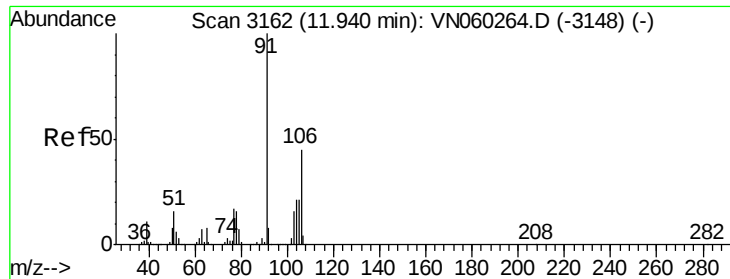
Tgt Ion: 106 Resp: 415232

Ion Ratio Lower Upper

106 100

91 205.1 164.5 246.7





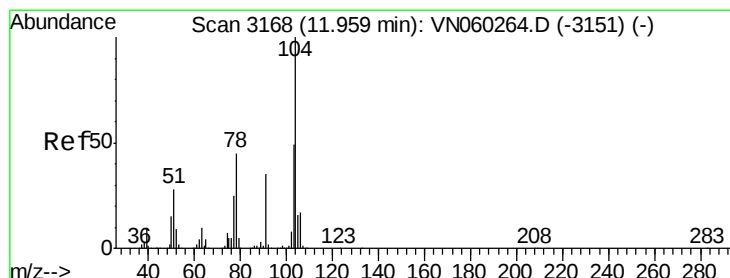
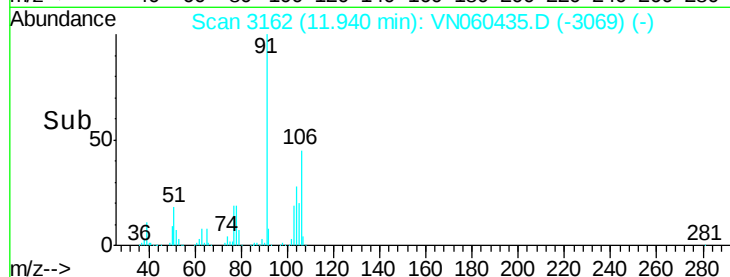
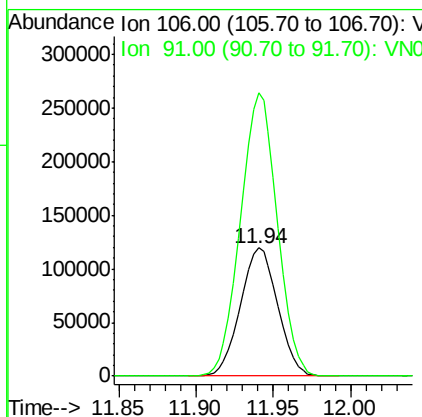
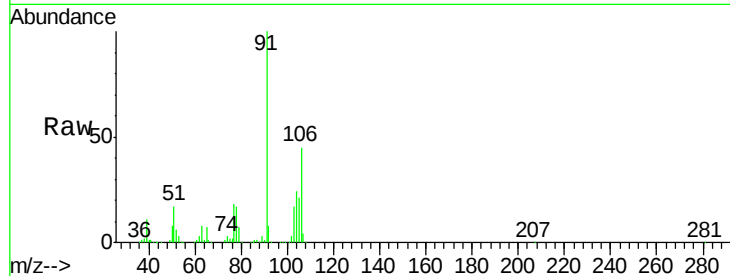
#69
o-Xylene
Concen: 50.898 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.0	109.5	328.4	

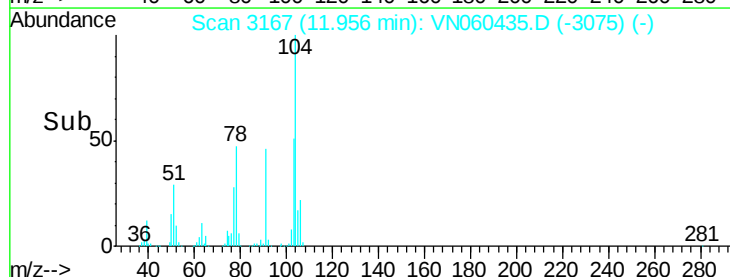
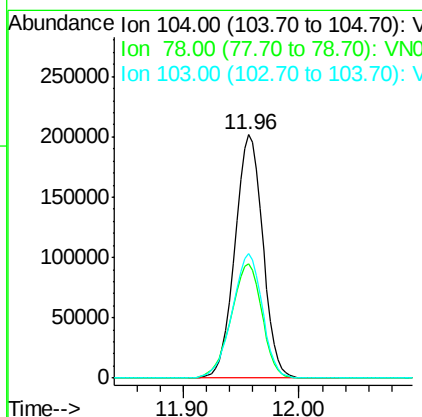
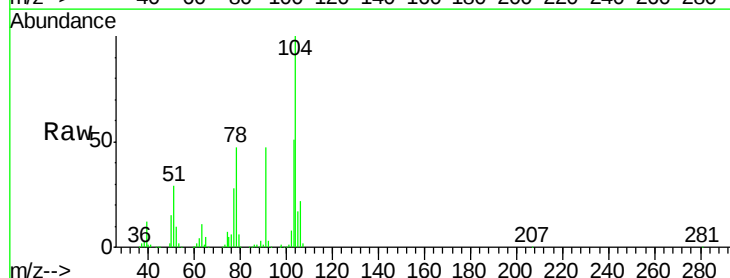
Manual Integrations
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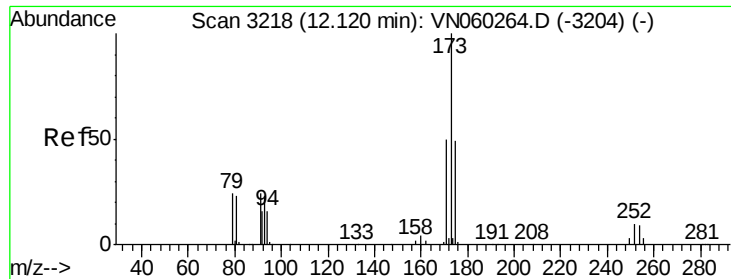
MMDadoda
3/12/2020 2:45:27 PM



#70
Styrene
Concen: 51.771 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

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





#71

Bromoform

Concen: 56.166 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

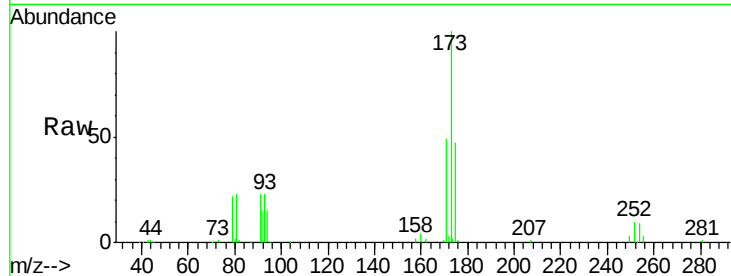
ClientSampleId :

VSTDCCC050

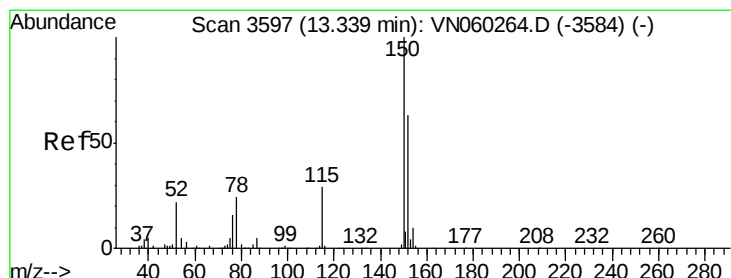
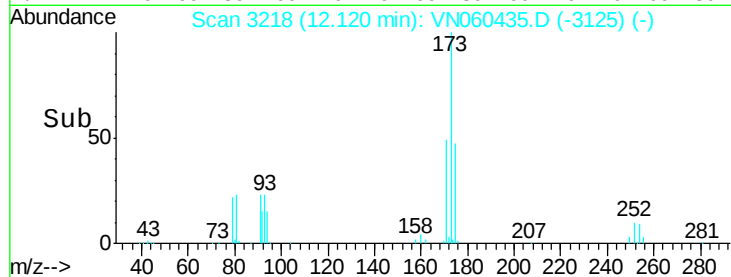
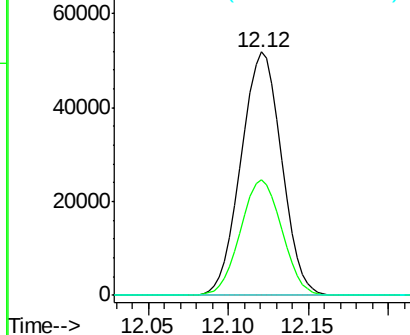
Tot Ion:	173	Resp:	89952
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.1	72.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

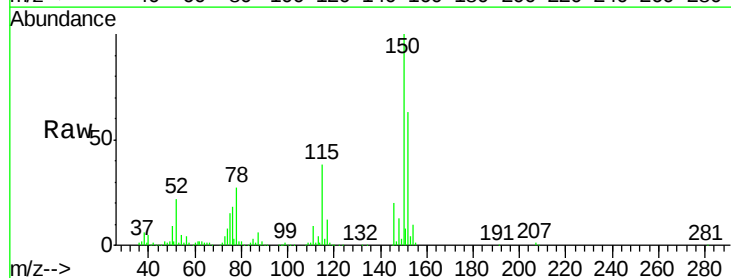
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

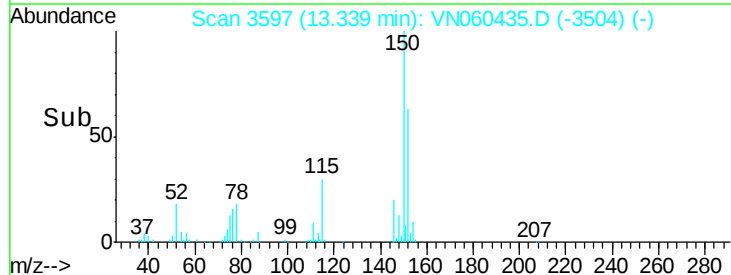
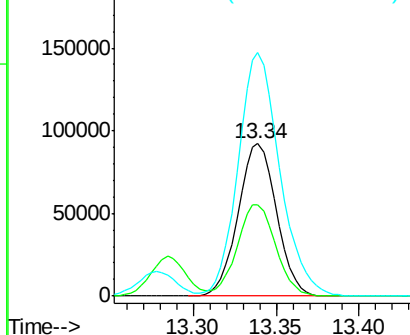
Lab File: VN060435.D

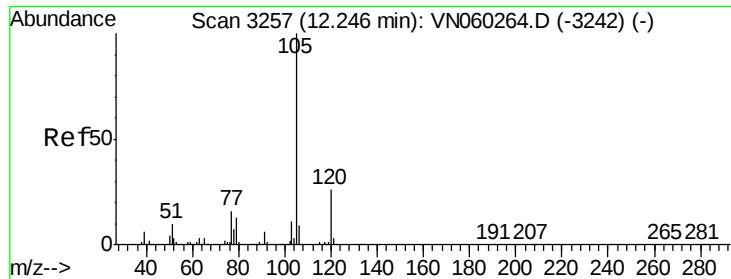
Acq: 11 Mar 2020 8:53

Tgt Ion:	152	Resp:	148374
Ion Ratio	Lower	Upper	
152	100		
115	59.8	30.0	90.0
150	173.3	0.0	349.6



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





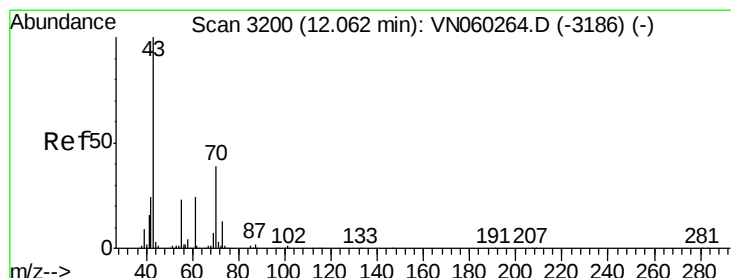
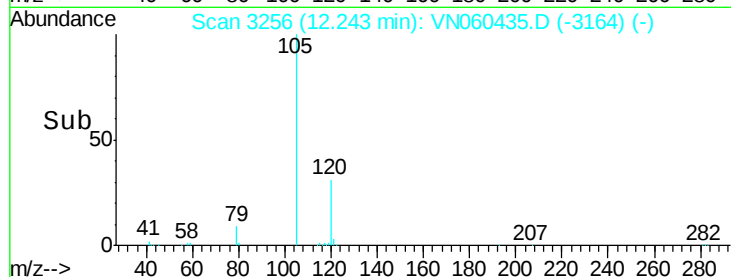
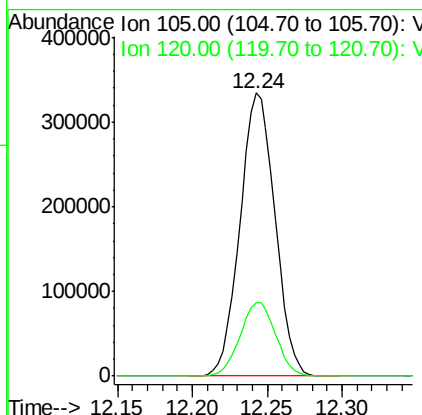
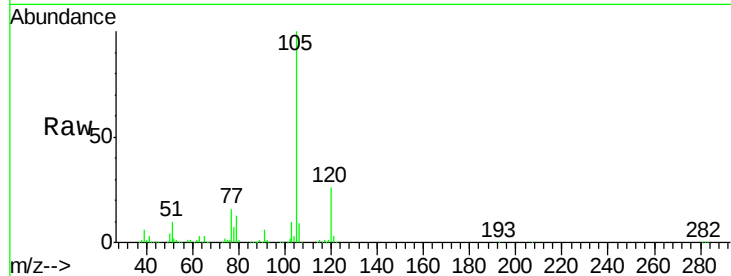
#73
Isopropylbenzene
Concen: 49.488 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	38.9

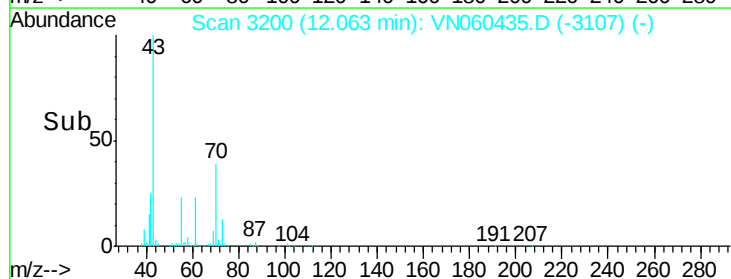
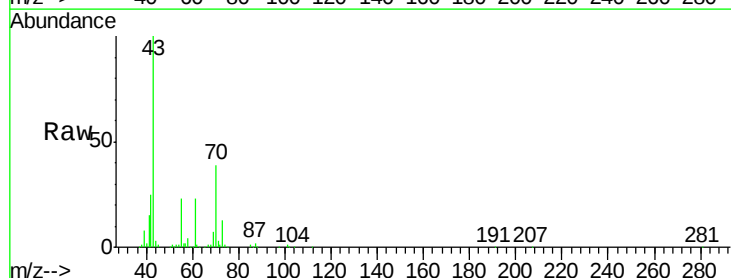
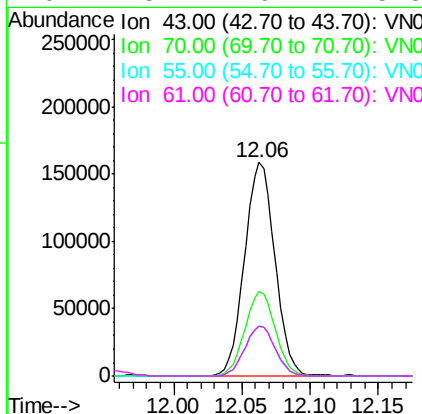
Manual Integrations
APPROVED

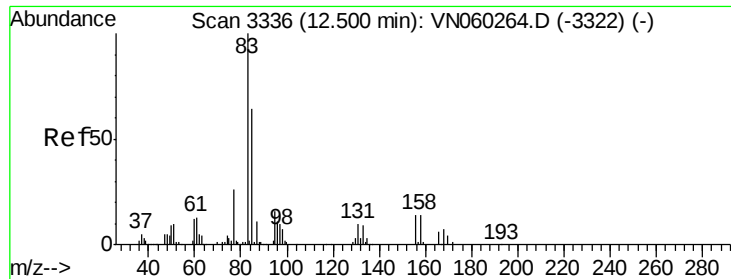
MMDadoda
3/12/2020 2:45:27 PM



#74
N-ethyl acetate
Concen: 51.059 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.2	48.2
55	23.3	18.2	27.4
61	23.4	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 54.309 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 162348
Ion Ratio Lower Upper

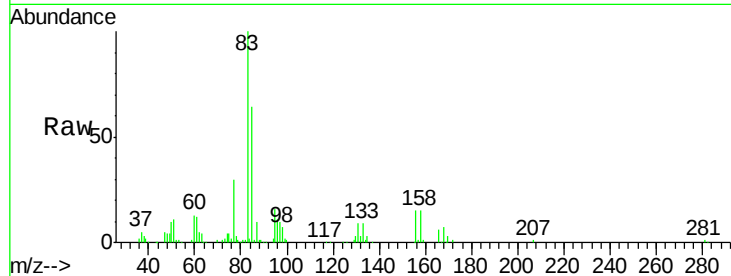
83 100

131 9.6 5.1 15.3

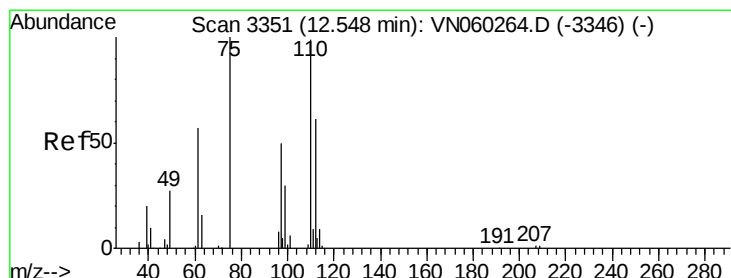
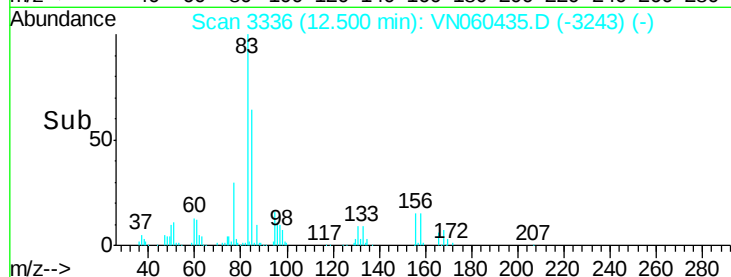
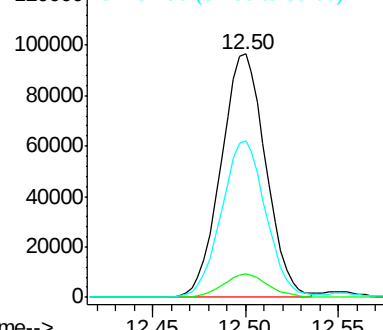
85 64.0 32.3 96.8

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN060435.D (-3243) (-)
Ion 130.80 (130.50 to 131.50): VN060435.D (-3243) (-)
Ion 84.90 (84.60 to 85.60): VN060435.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 45.699 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

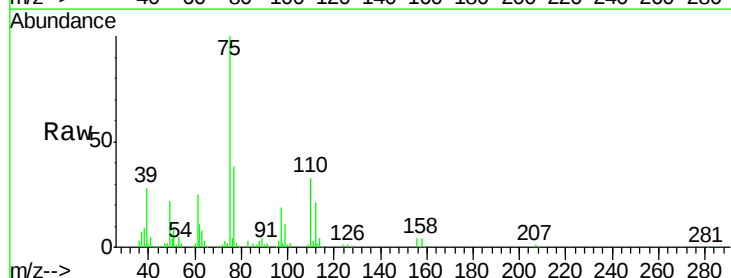
Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

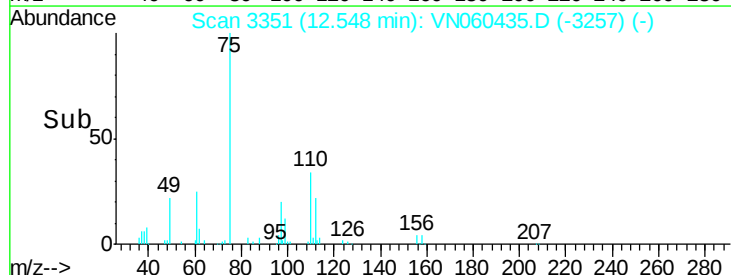
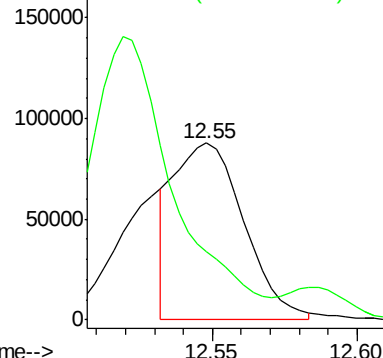
Tgt Ion: 75 Resp: 148766
Ion Ratio Lower Upper

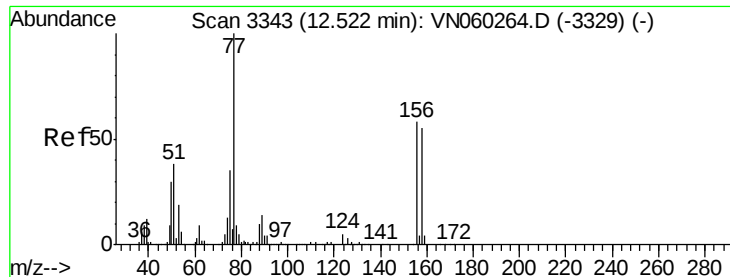
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060435.D (-3257) (-)
Ion 77.00 (76.70 to 77.70): VN060435.D (-3257) (-)





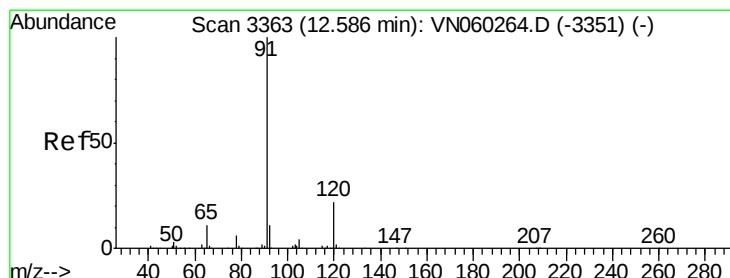
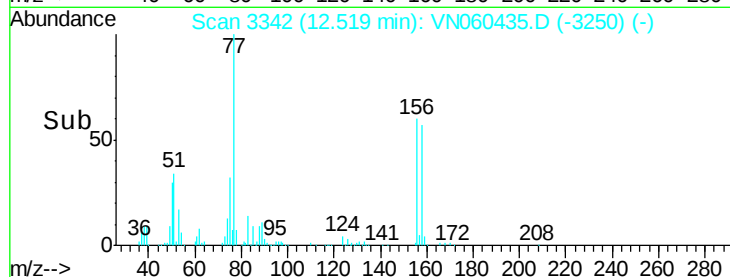
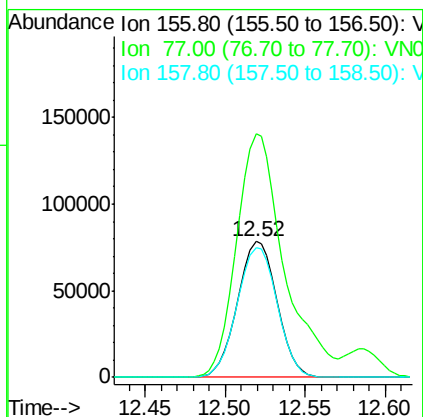
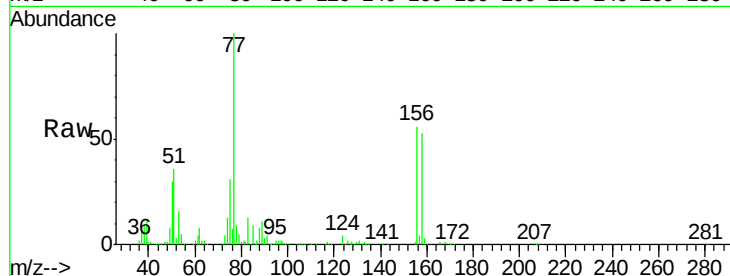
#77
Bromobenzene
Concen: 48.907 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.7	106.1	318.3
158	97.0	48.3	144.8

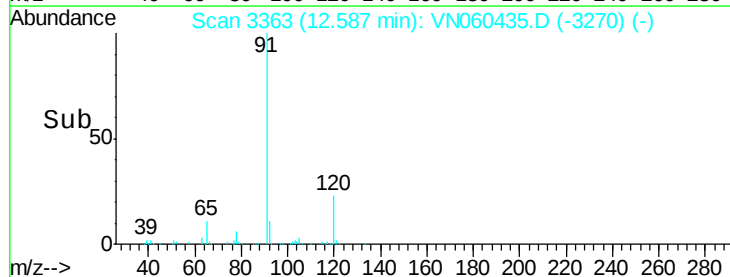
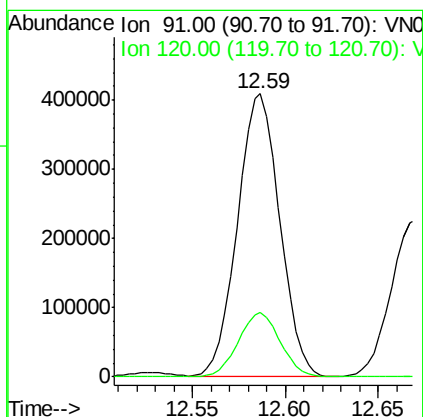
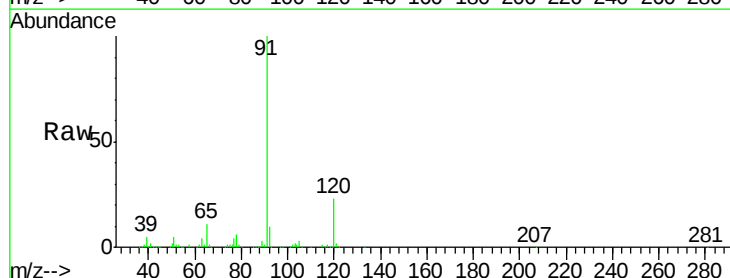
Manual Integrations
APPROVED

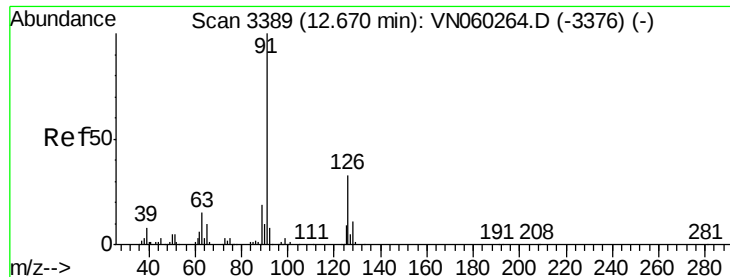
MMDadoda
3/12/2020 2:45:27 PM



#78
n-propylbenzene
Concen: 50.155 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.546 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060435.D

Acq: 11 Mar 2020 8:53

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 375435

Ion Ratio Lower Upper

91 100

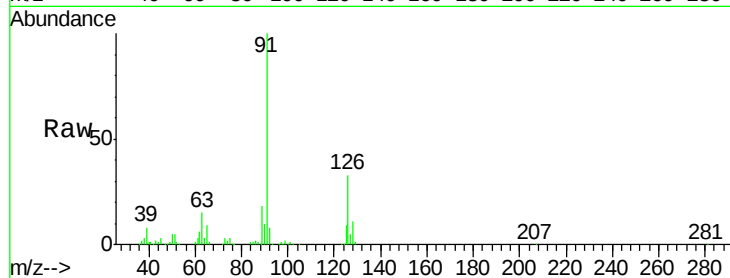
126 33.0 16.6 49.8

Manual Integrations

APPROVED

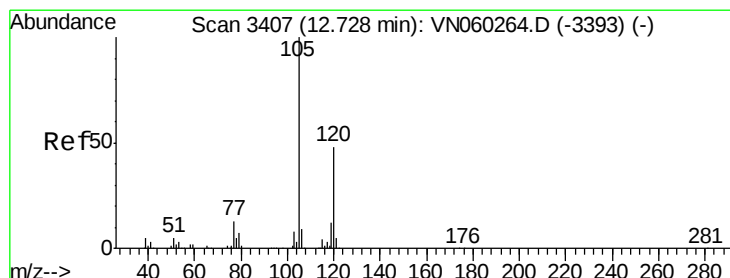
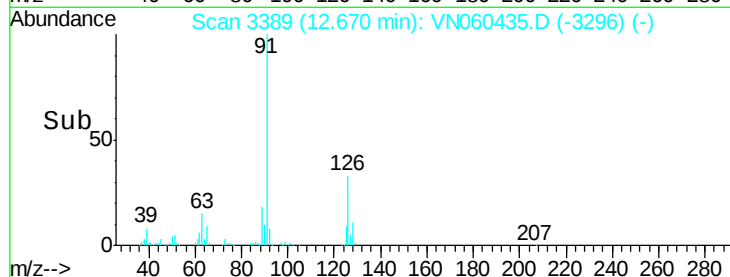
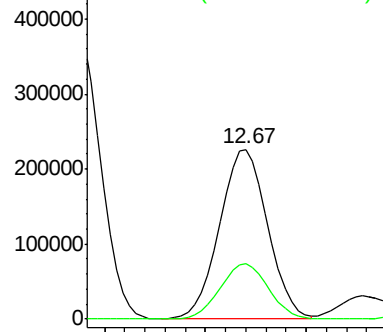
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.855 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060435.D

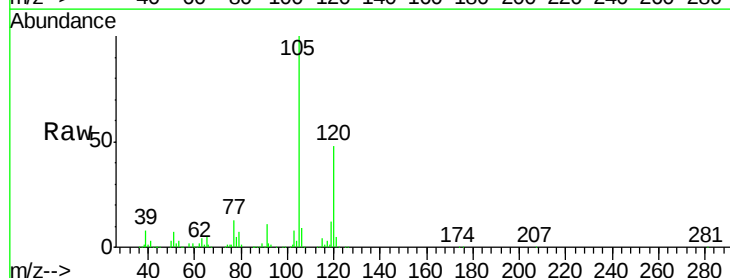
Acq: 11 Mar 2020 8:53

Tgt Ion: 105 Resp: 461619

Ion Ratio Lower Upper

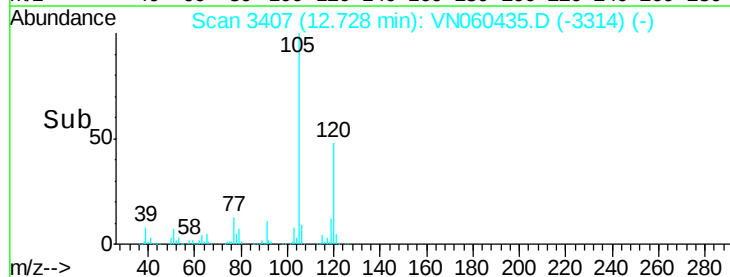
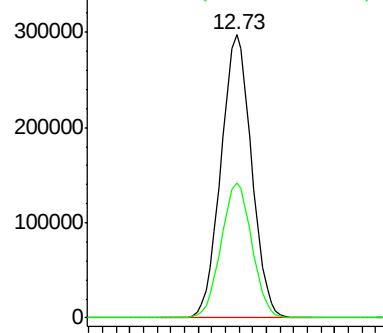
105 100

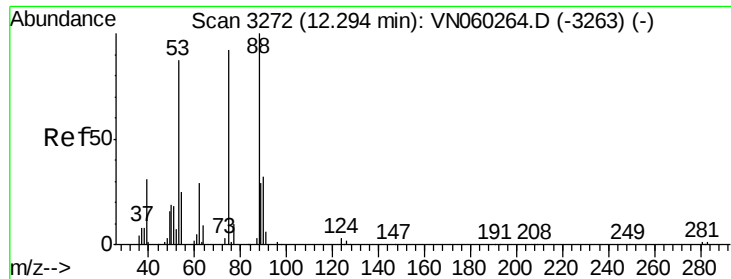
120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





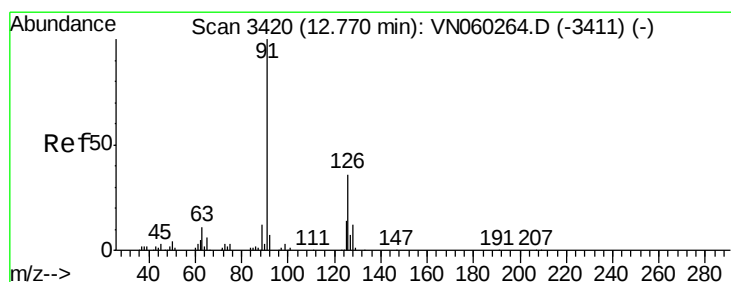
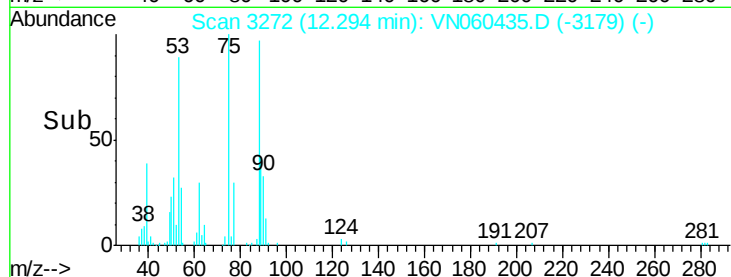
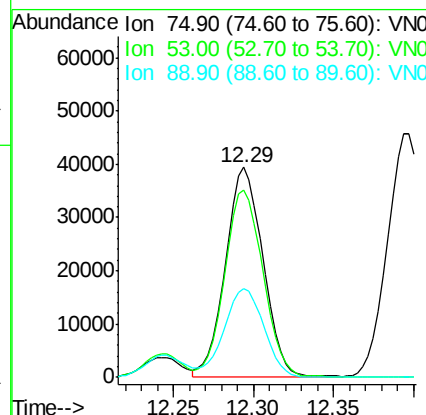
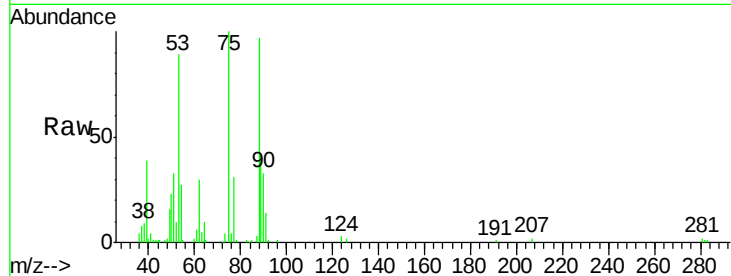
#81
trans-1,4-Dichloro-2-butene
Concen: 53.816 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.8	110.6
89	44.5	57.1	85.7

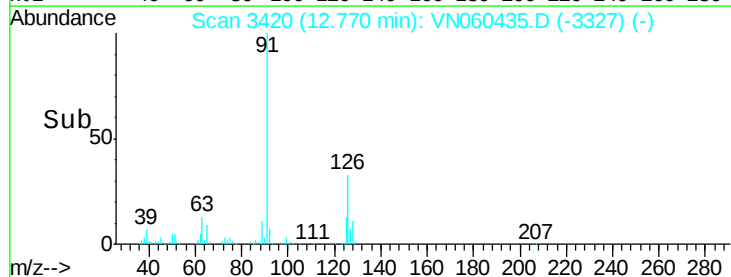
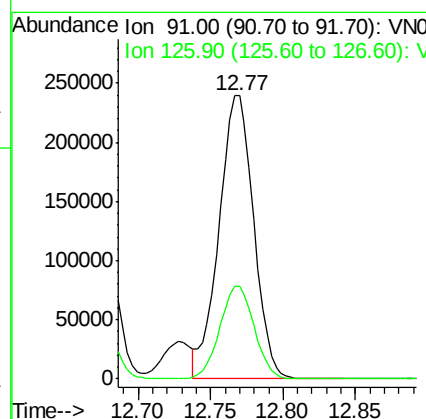
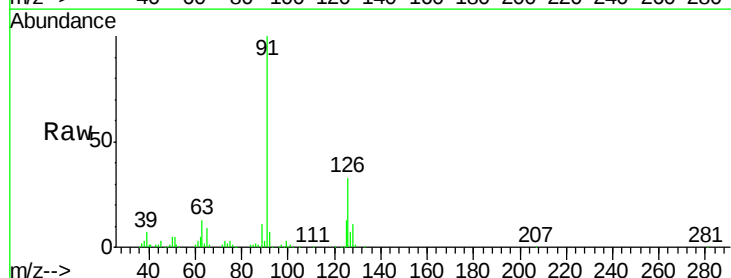
Manual Integrations
APPROVED

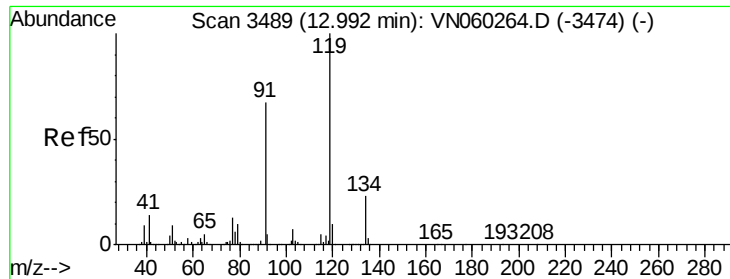
MMDadoda
3/12/2020 2:45:27 PM



#82
4-Chlorotoluene
Concen: 49.740 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





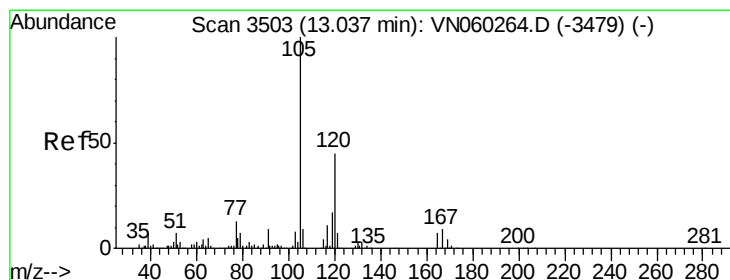
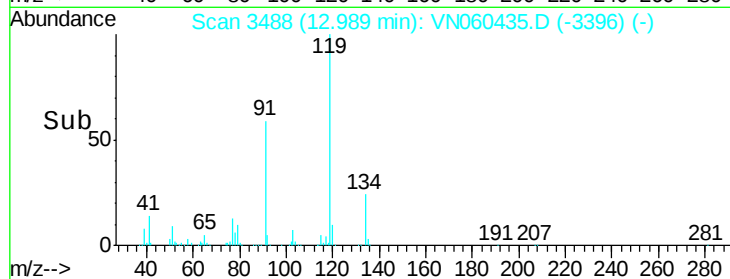
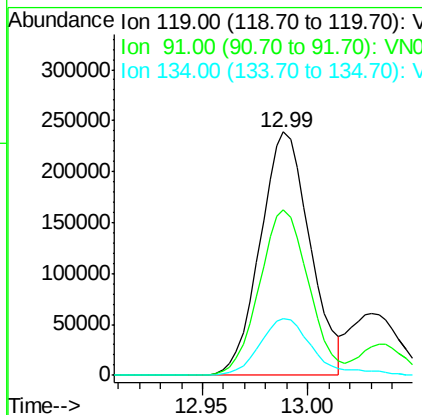
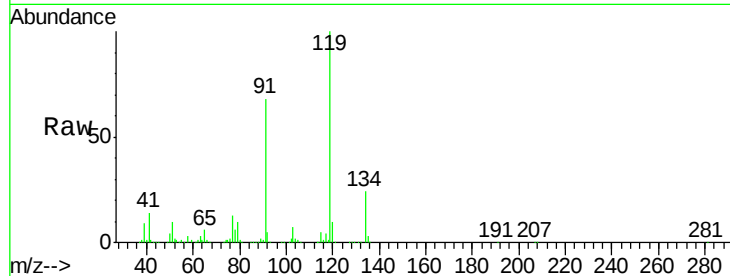
#83
 tert-Butylbenzene
 Concen: 48.907 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.1	99.2
134	25.0	12.4	37.0

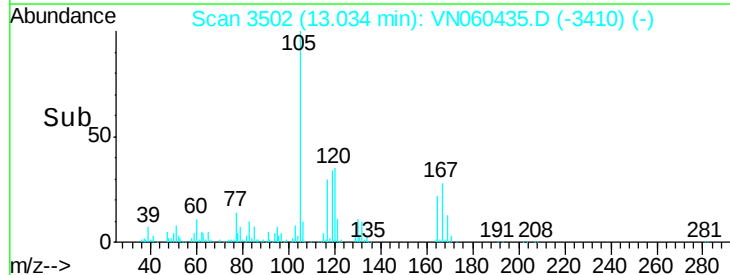
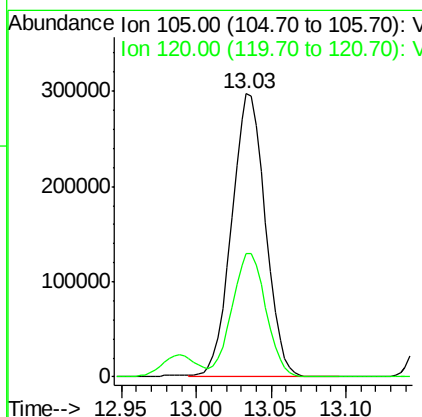
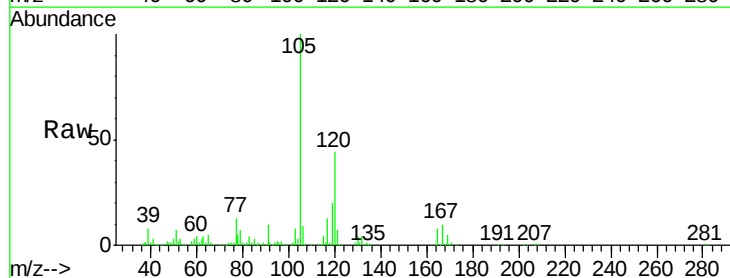
Manual Integrations
 APPROVED

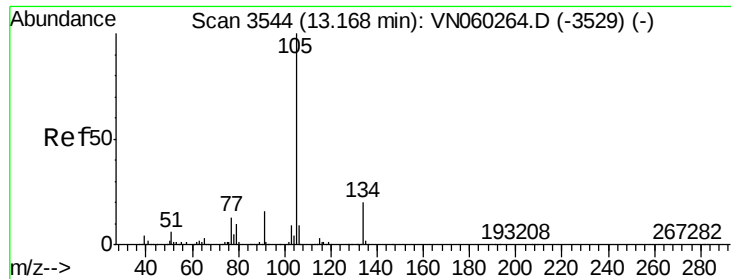
MMDadoda
 3/12/2020 2:45:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.819 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.3	66.9





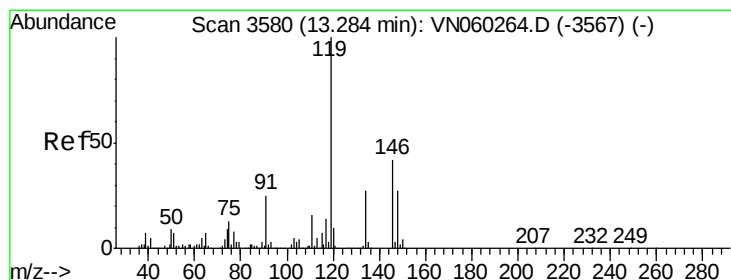
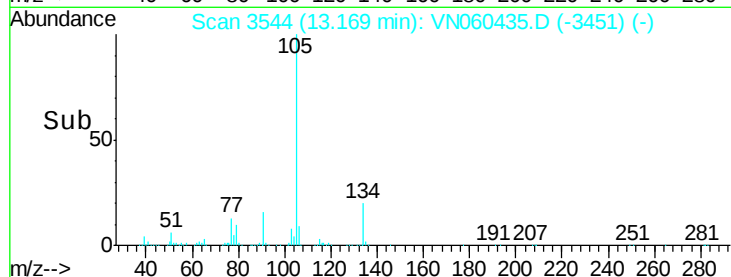
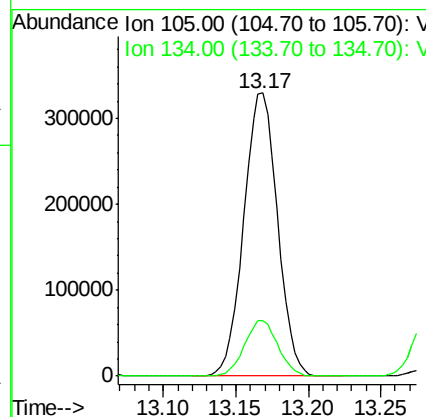
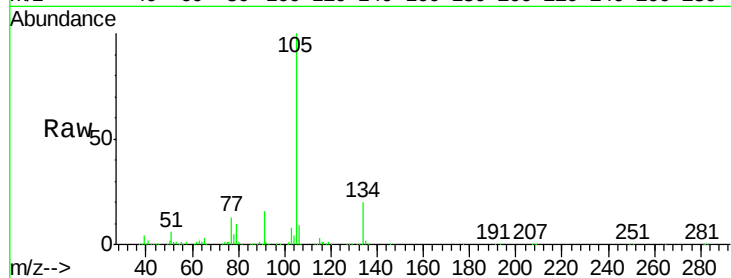
#85
 sec-Butylbenzene
 Concen: 49.619 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	532669		
134	19.4	9.8	29.5	

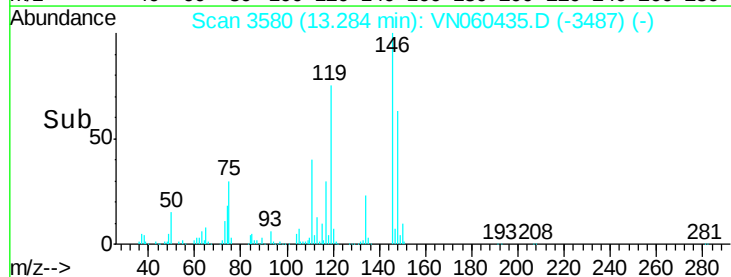
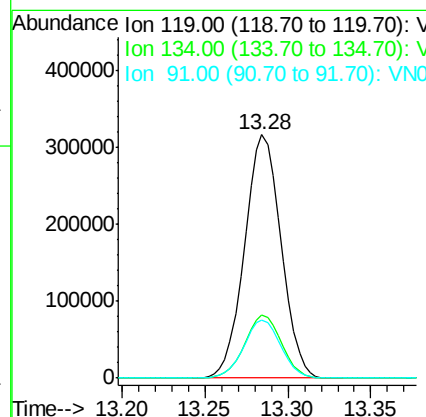
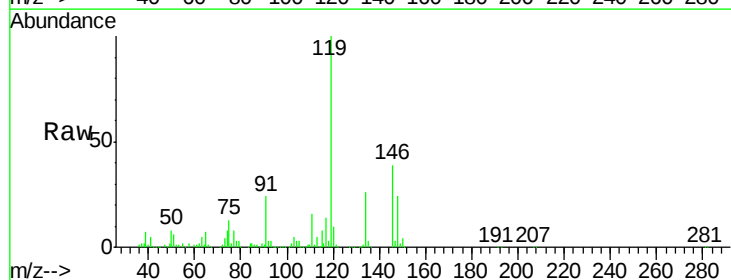
Manual Integrations
 APPROVED

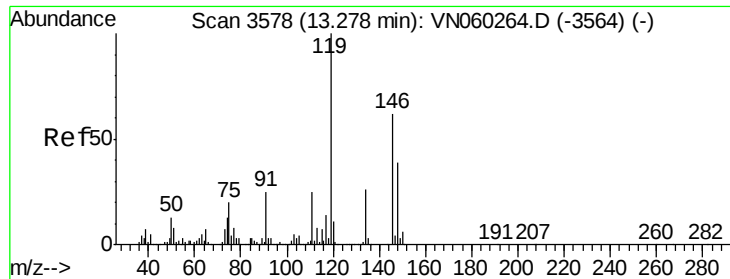
MMDadoda
 3/12/2020 2:45:27 PM



#86
 p-Isopropyltoluene
 Concen: 48.613 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	483021		
134	26.1	13.2	39.6	
91	24.2	12.2	36.6	





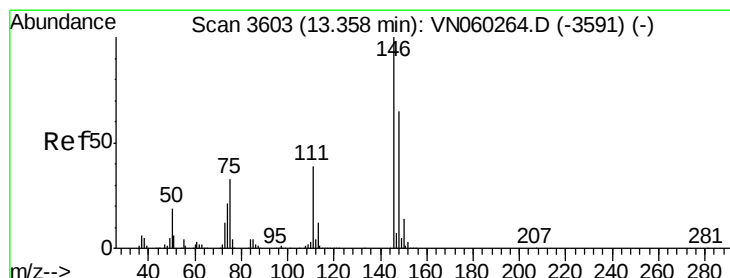
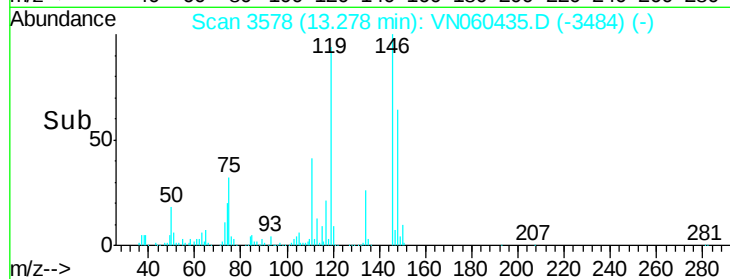
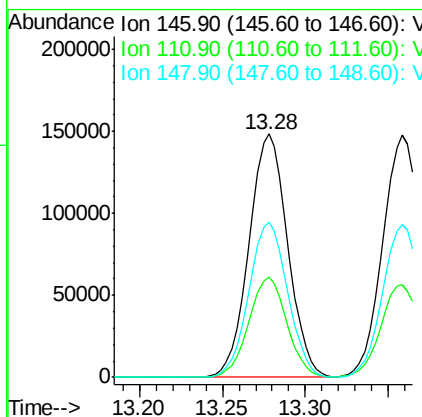
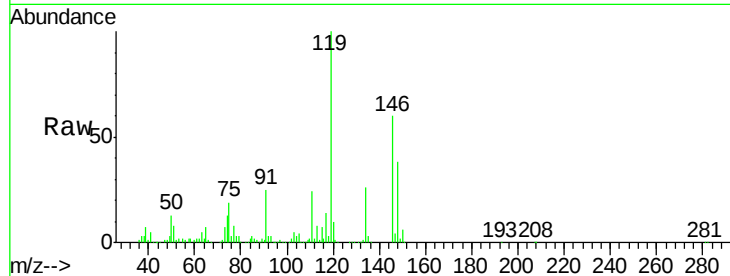
#87
 1,3-Dichlorobenzene
 Concen: 52.148 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
146	100		
111	40.6	20.0	59.9
148	63.9	32.1	96.3

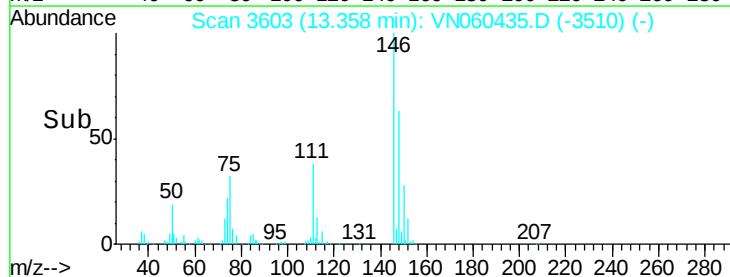
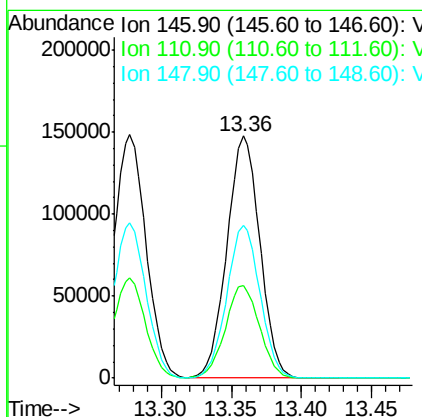
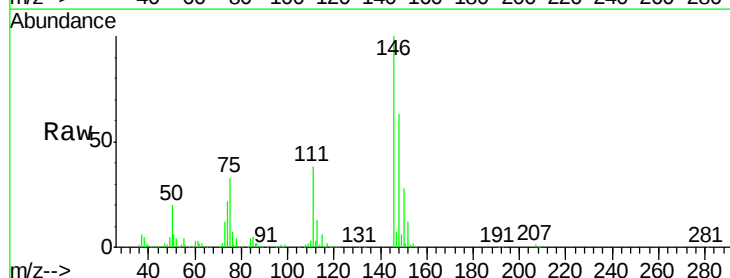
Manual Integrations
 APPROVED

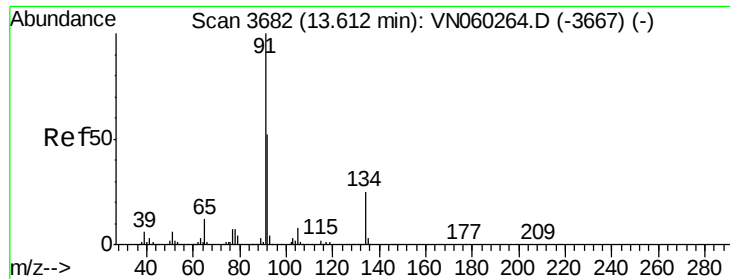
MMDadoda
 3/12/2020 2:45:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.545 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
111	39.6	19.8	59.4
148	63.5	32.3	96.9





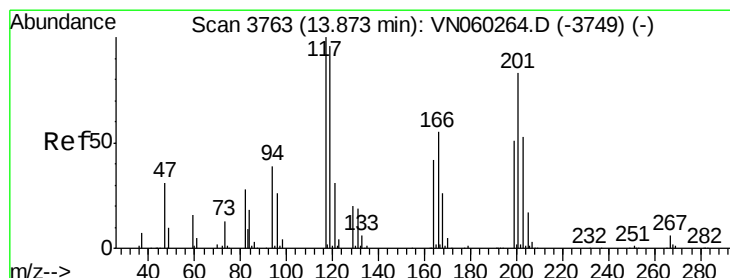
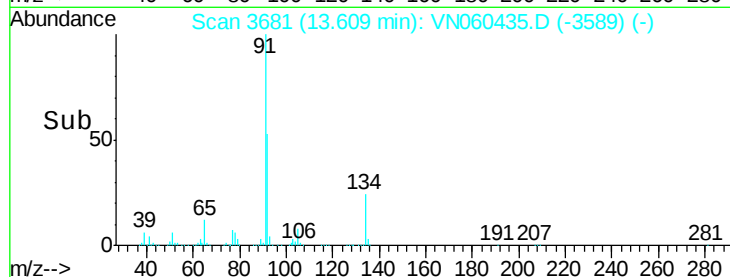
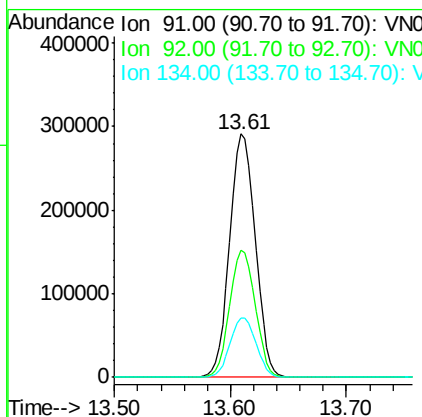
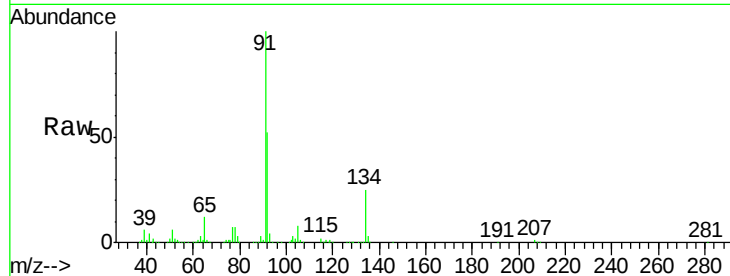
#89
n-Butylbenzene
Concen: 48.881 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	24.8	12.7	38.1

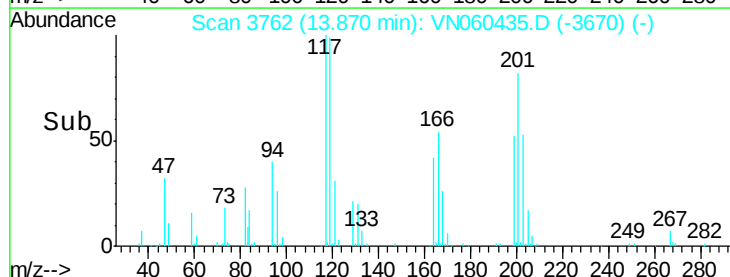
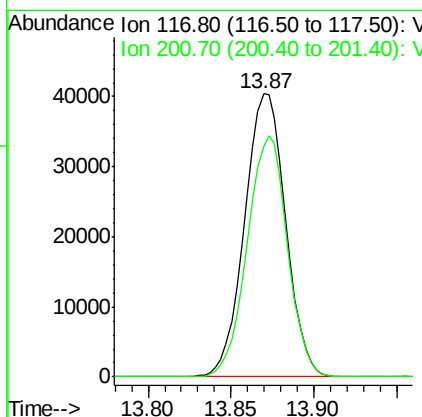
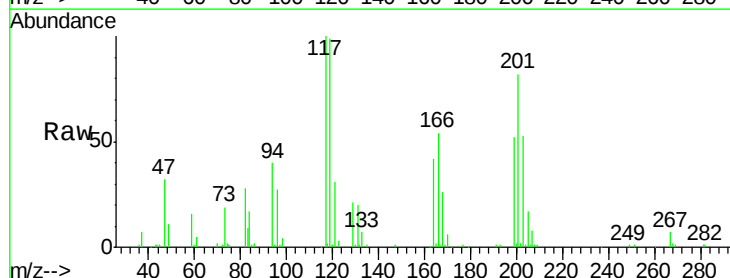
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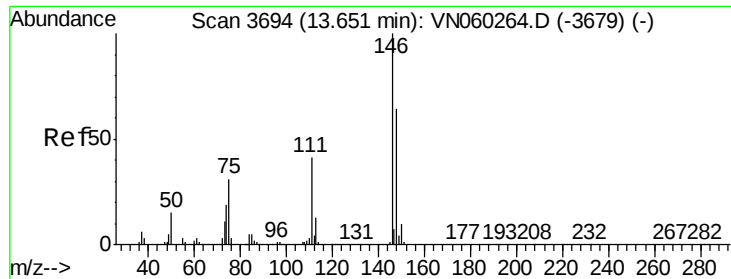
MMDadoda
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#90
Hexachloroethane
Concen: 48.464 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.0	123.0





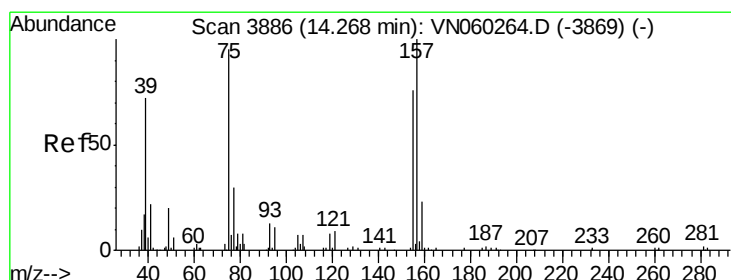
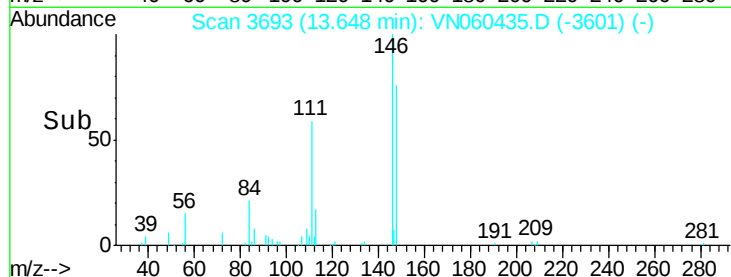
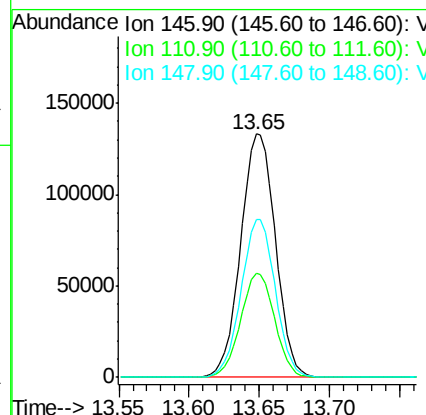
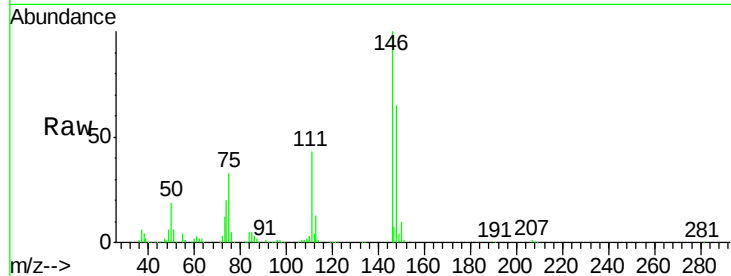
#91
 1,2-Dichlorobenzene
 Concen: 48.688 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	229982		
111	41.9	20.3	61.0	
148	63.8	31.8	95.3	

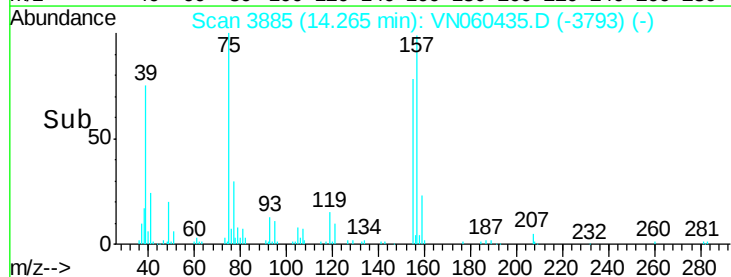
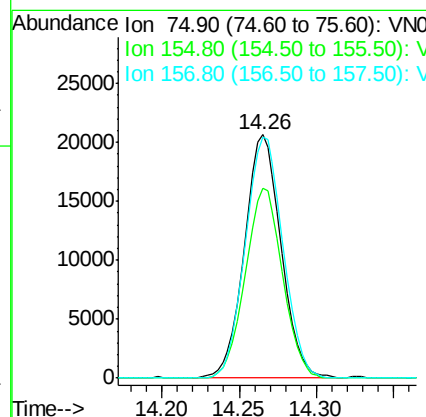
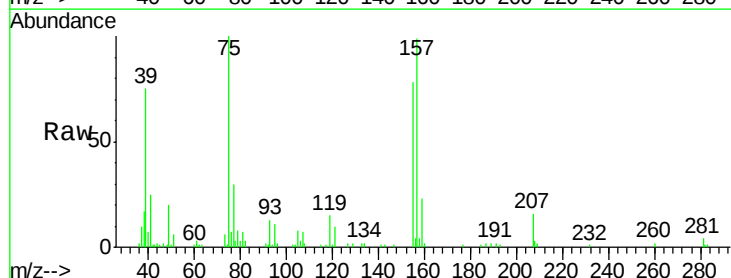
Manual Integrations
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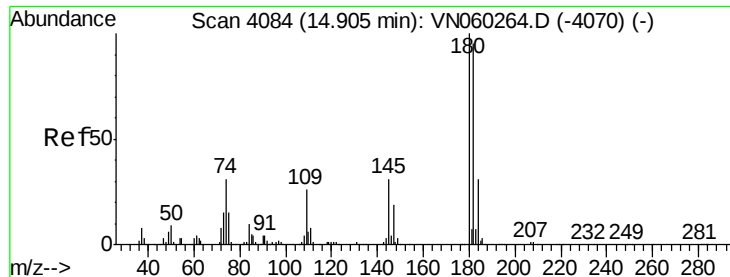
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.416 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34129		
155	78.8	40.4	121.2	
157	101.3	52.5	157.5	





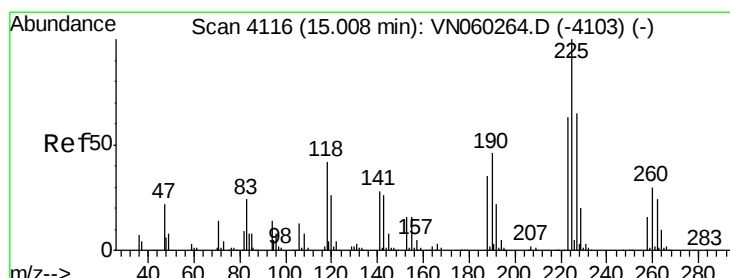
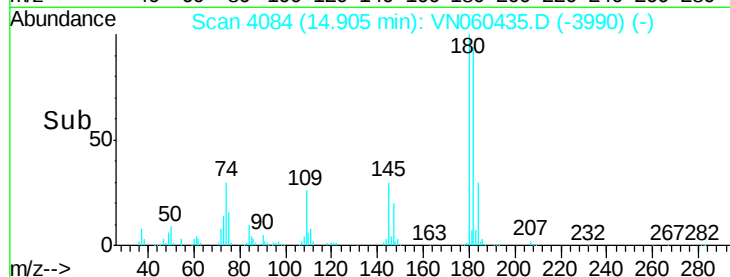
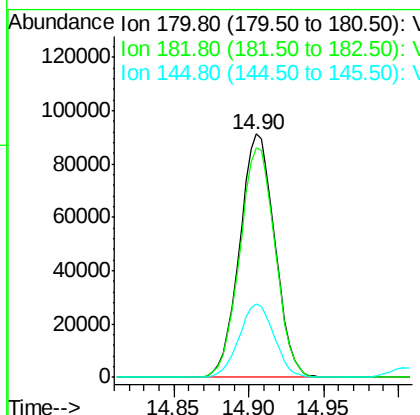
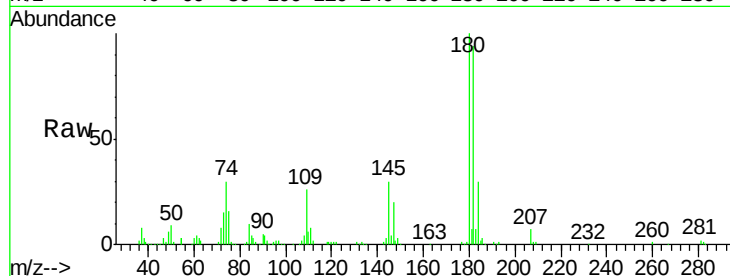
#93
 1,2,4-Trichlorobenzene
 Concen: 49.658 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149045		
182	95.2	47.8	143.3	
145	30.2	15.4	46.1	

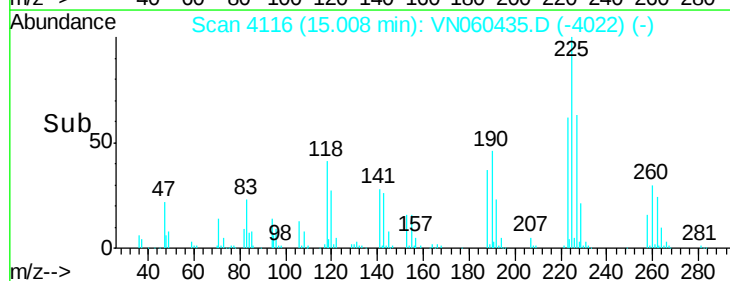
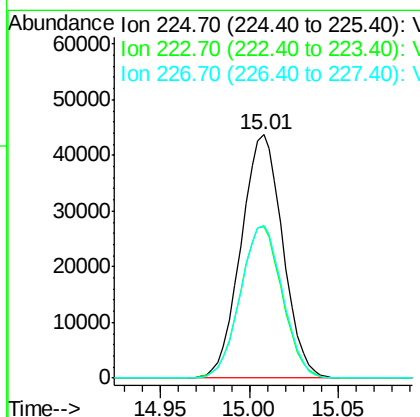
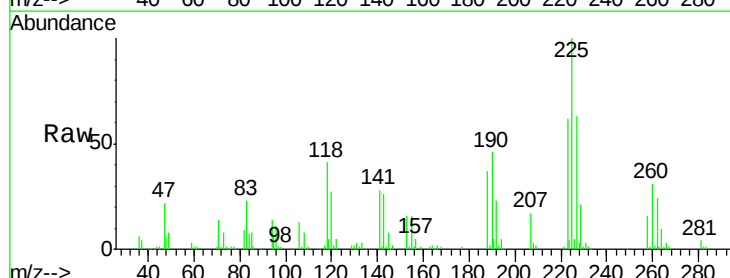
Manual Integrations
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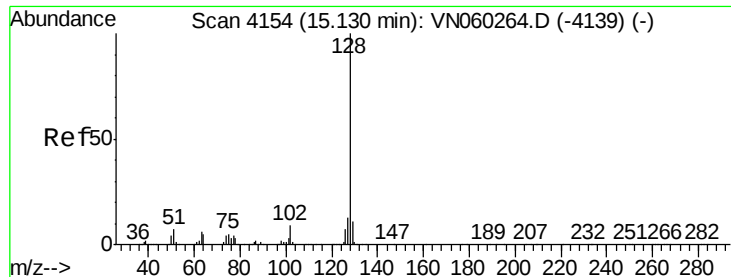
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#94
 Hexachlorobutadiene
 Concen: 51.915 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060435.D
 Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71598		
223	62.6	31.3	93.9	
227	63.2	32.3	96.9	





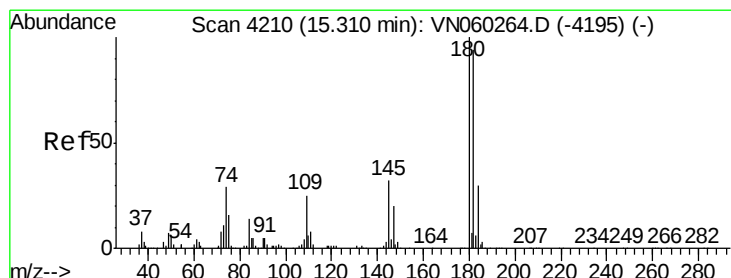
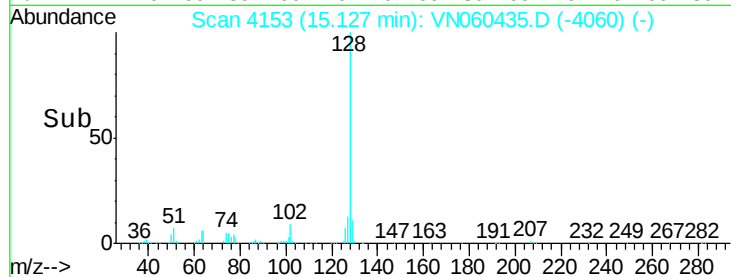
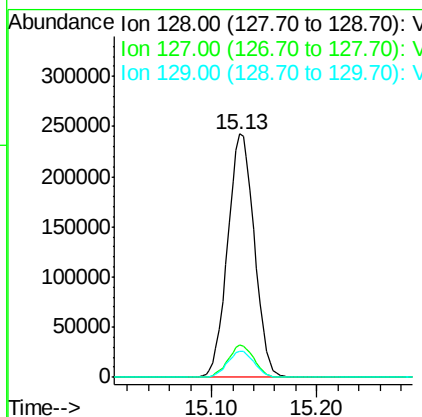
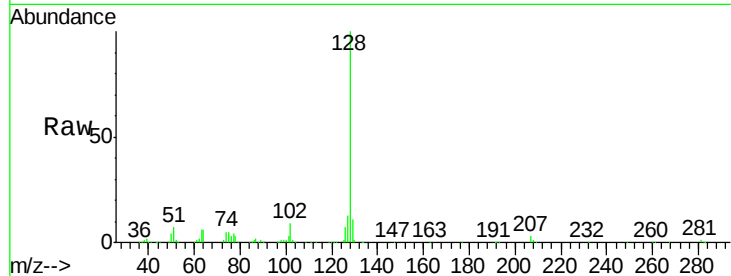
#95
Naphthalene
Concen: 47.816 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.706 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060435.D
Acq: 11 Mar 2020 8:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	32.1	16.2	48.5

