

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021220\
 Data File : VN060070.D
 Acq On : 12 Feb 2020 12:50
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:37:14 AM

Quant Time: Feb 12 14:11:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 13:36:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	315541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	161785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	260205	102.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.96%	
35) Dibromofluoromethane	7.56	113	209932	104.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.02%	
50) Toluene-d8	10.08	98	819614	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
62) 4-Bromofluorobenzene	12.40	95	311498	107.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	216048	103.582	ug/l	100
3) Chloromethane	2.04	50	239205	96.370	ug/l	97
4) Vinyl Chloride	2.17	62	282258	99.765	ug/l	100
5) Bromomethane	2.53	94	169974	97.978	ug/l	99
6) Chloroethane	2.68	64	142165	99.346	ug/l	97
7) Trichlorofluoromethane	3.00	101	364657	99.968	ug/l	100
8) Diethyl Ether	3.38	74	124757	102.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	201226	99.361	ug/l	99
10) Methyl Iodide	3.93	142	281942	112.341	ug/l	99
11) Tert butyl alcohol	4.73	59	200276	527.083	ug/l	99
12) 1,1-Dichloroethene	3.72	96	202396	102.589	ug/l	96
13) Acrolein	3.58	56	202409	538.927	ug/l	97
14) Allyl chloride	4.29	41	289793	99.799	ug/l	99
15) Acrylonitrile	4.94	53	509054	548.586	ug/l	100
16) Acetone	3.78	43	567853	512.705	ug/l	99
17) Carbon Disulfide	4.03	76	594786	100.021	ug/l	99
18) Methyl Acetate	4.29	43	220398	105.932	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	678009	102.192	ug/l	99
20) Methylene Chloride	4.52	84	221426	100.208	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	220044	102.318	ug/l	99
22) Diisopropyl ether	5.92	45	668252	105.006	ug/l	94
23) Vinyl Acetate	5.86	43	2895366	541.775	ug/l	100
24) 1,1-Dichloroethane	5.82	63	393568	102.088	ug/l	100
25) 2-Butanone	6.80	43	760895	546.245	ug/l	98
26) 2,2-Dichloropropane	6.80	77	372663	101.773	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	255410	101.479	ug/l	100
28) Bromochloromethane	7.17	49	155921	102.876	ug/l #	98
29) Tetrahydrofuran	7.18	42	455677	533.236	ug/l	99
30) Chloroform	7.35	83	412706	102.195	ug/l	100
31) Cyclohexane	7.63	56	352746	98.224	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	378213	102.485	ug/l	100
36) 1,1-Dichloropropene	7.77	75	307972	101.753	ug/l	99
37) Ethyl Acetate	6.90	43	293322	107.231	ug/l	99
38) Carbon Tetrachloride	7.75	117	338636	103.020	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	386463	102.862	ug/l	98
40) Benzene	8.02	78	904558	100.750	ug/l	100
41) Methacrylonitrile	7.15	41	124043m	41.162	ug/l	
42) 1,2-Dichloroethane	8.10	62	324920	103.256	ug/l	99
43) Isopropyl Acetate	8.14	43	498102	106.524	ug/l	99
44) Trichloroethene	8.82	130	249533	100.374	ug/l	98
45) 1,2-Dichloropropane	9.10	63	228680	102.880	ug/l	99
46) Dibromomethane	9.19	93	162929	103.725	ug/l	99
47) Bromodichloromethane	9.39	83	334354	104.698	ug/l	99
48) Methyl methacrylate	9.18	41	228087	108.719	ug/l	99
49) 1,4-Dioxane	9.18	88	79321	2212.860	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1471165	543.562	ug/l	100
52) Toluene	10.14	92	598379	103.932	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	391065	108.487	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	398319	104.937	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	230691	102.706	ug/l	99
56) Ethyl methacrylate	10.42	69	361215	113.682	ug/l	99
57) 1,3-Dichloropropane	10.70	76	377315	101.805	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	838054	566.152	ug/l	100
59) 2-Hexanone	10.74	43	1166555	557.967	ug/l	100
60) Dibromochloromethane	10.89	129	276873	107.418	ug/l	99
61) 1,2-Dibromoethane	11.00	107	250692	106.470	ug/l	100
64) Tetrachloroethene	10.62	164	229456	95.658	ug/l	99
65) Chlorobenzene	11.43	112	643073	100.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	247435	101.744	ug/l	100
67) Ethyl Benzene	11.50	91	1175435	101.378	ug/l	100
68) m/p-Xylenes	11.62	106	890483	204.632	ug/l	99
69) o-Xylene	11.94	106	430490	102.744	ug/l	99
70) Styrene	11.96	104	739268	109.415	ug/l	99
71) Bromoform	12.12	173	214848	109.839	ug/l #	99
73) Isopropylbenzene	12.25	105	1174586	97.224	ug/l	100
74) N-amyl acetate	12.07	43	467397	107.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	349982	100.645	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	318756m	73.106	ug/l	
77) Bromobenzene	12.52	156	295266	98.481	ug/l	99
78) n-propylbenzene	12.59	91	1359137	98.742	ug/l	100
79) 2-Chlorotoluene	12.67	91	785565	97.098	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	991342	98.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	133703	105.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	826573	99.582	ug/l	100
83) tert-Butylbenzene	12.99	119	847659	95.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1000738	100.925	ug/l	100
85) sec-Butylbenzene	13.17	105	1152647	97.946	ug/l	99
86) p-Isopropyltoluene	13.28	119	1070407	100.391	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	537687	101.313	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	534653	100.762	ug/l	99
89) n-Butylbenzene	13.61	91	967881	103.205	ug/l	100
90) Hexachloroethane	13.87	117	199911	100.360	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	514111	98.985	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	75810	94.168	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	331640	108.672	ug/l	99
94) Hexachlorobutadiene	15.01	225	169482	94.865	ug/l	99
95) Naphthalene	15.13	128	937598	113.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	320287	105.390	ug/l	99

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

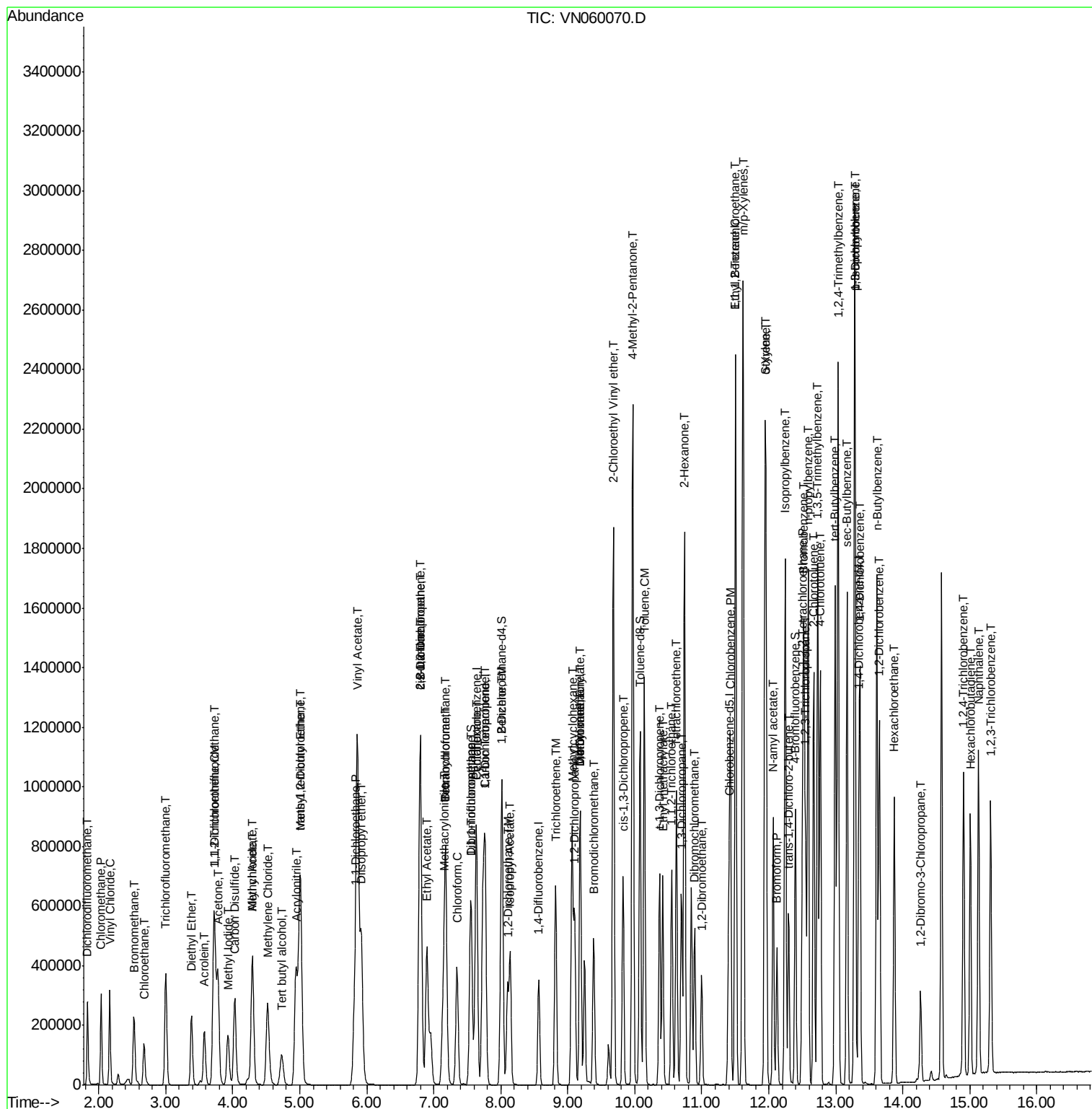
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 Operator : JC/MD
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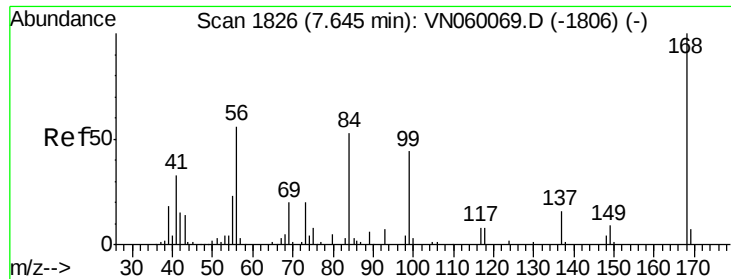
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

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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: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 208669

Ion Ratio Lower Upper

168 100

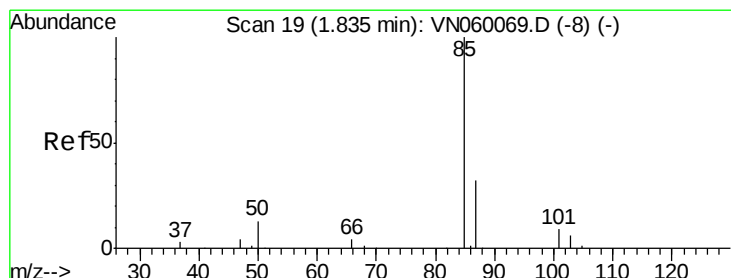
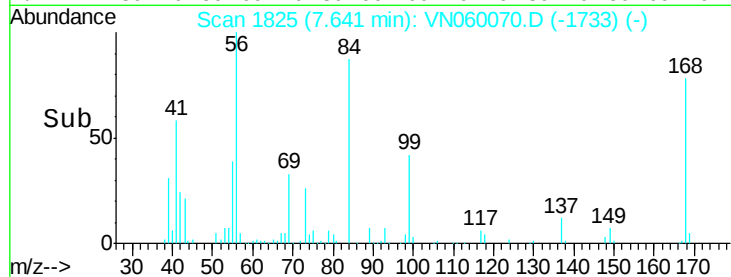
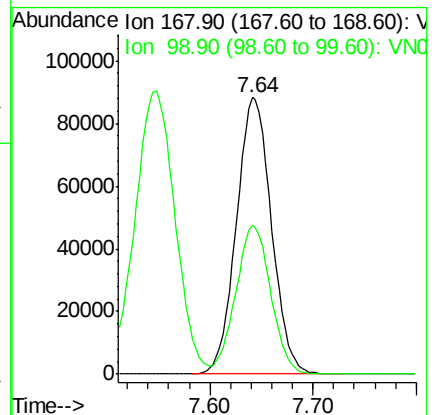
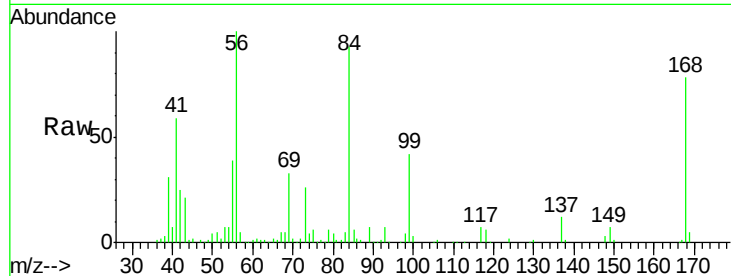
99 53.7 42.7 64.1

Manual Integrations

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2/13/2020 10:37:14 AM



#2

Dichlorodifluoromethane

Concen: 103.582 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060070.D

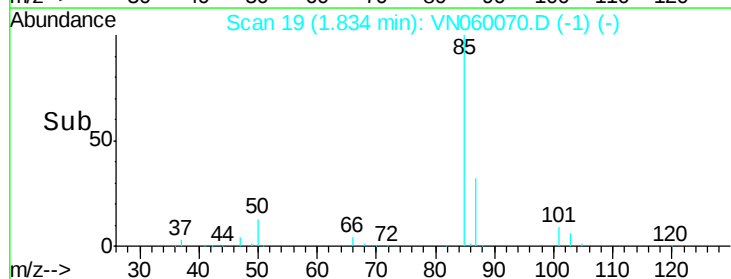
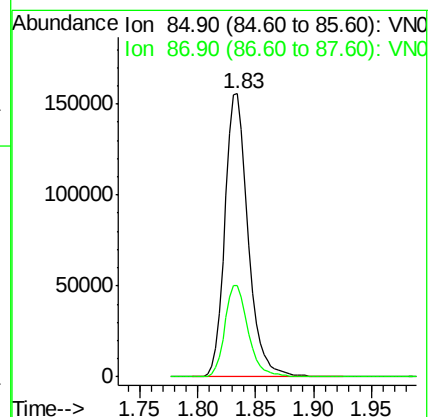
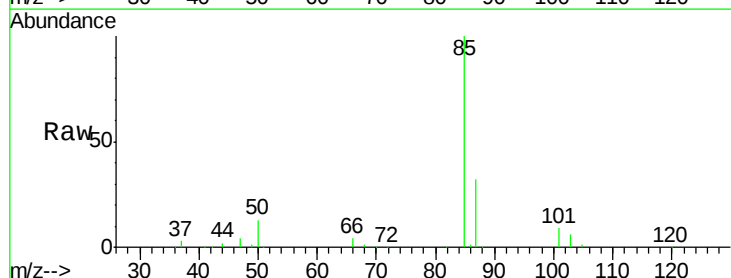
Acq: 12 Feb 2020 12:50

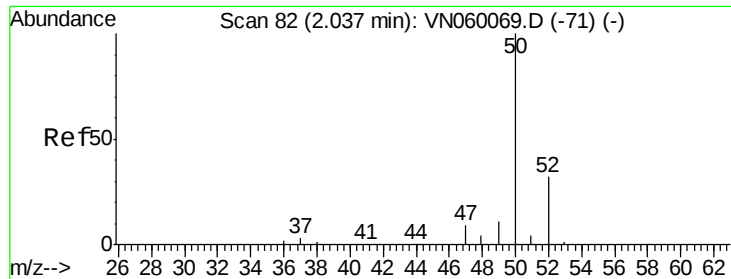
Tgt Ion: 85 Resp: 216048

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.2





#3

Chloromethane

Concen: 96.370 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 239205

Ion Ratio Lower Upper

50 100

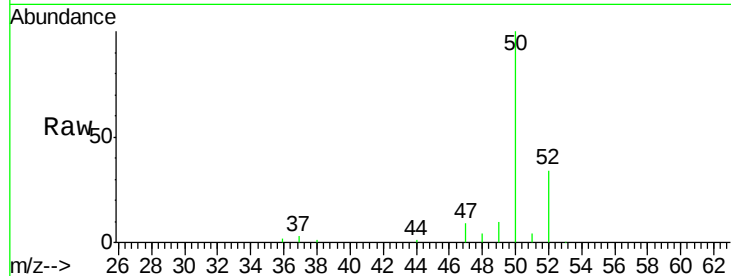
52 33.7 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

200000

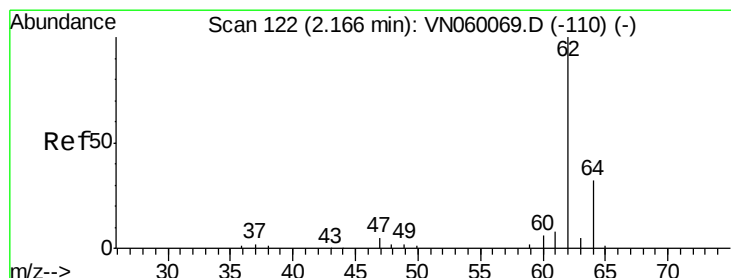
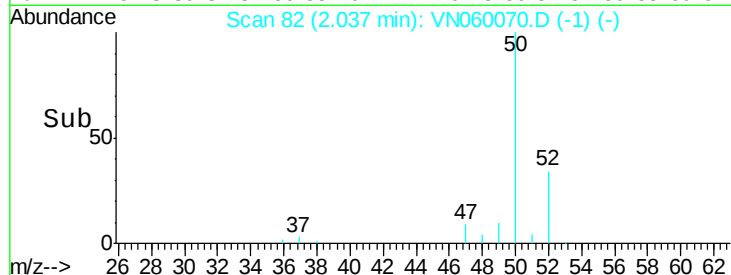
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 99.765 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060070.D

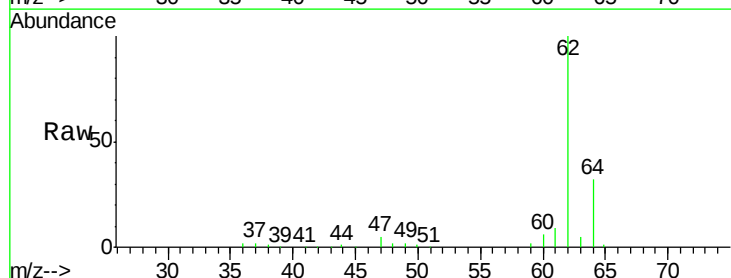
Acq: 12 Feb 2020 12:50

Tgt Ion: 62 Resp: 282258

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

200000

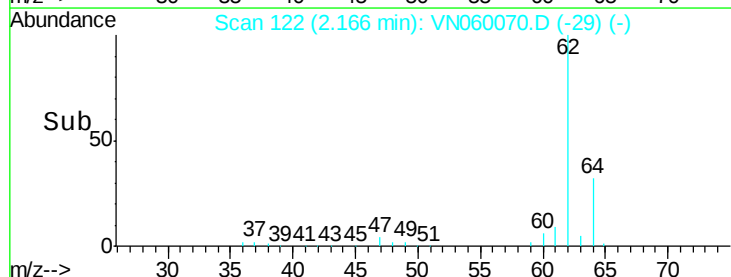
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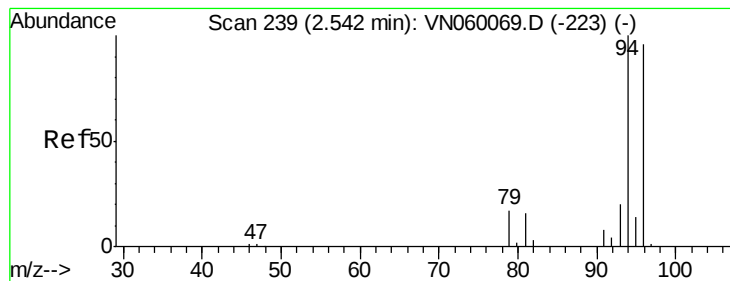
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50000

0

Time-->





#5

Bromomethane

Concen: 97.978 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 169974

Ion Ratio Lower Upper

94 100

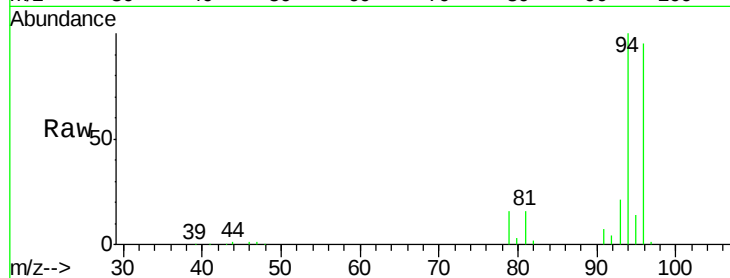
96 95.1 76.7 115.1

Manual Integrations

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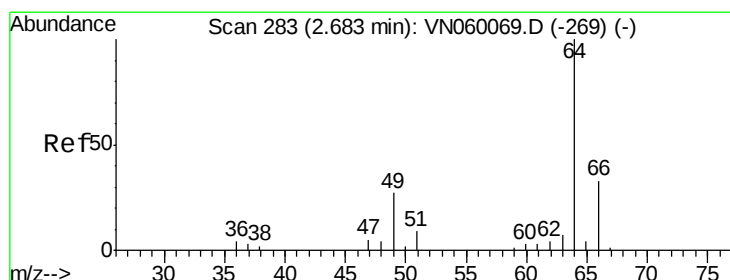
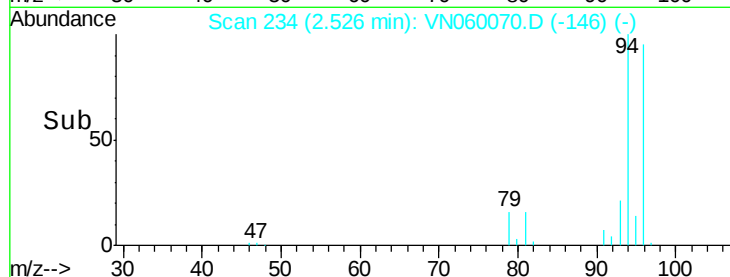
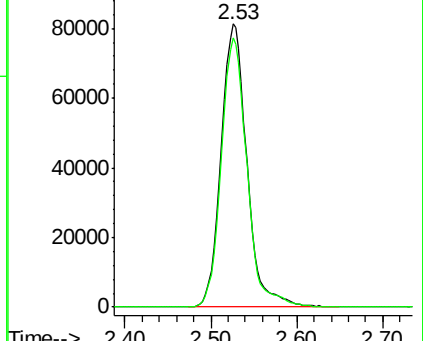
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Abundance Ion 93.90 (93.60 to 94.60): VN060069.D

Ion 95.90 (95.60 to 96.60): VN060070.D



#6

Chloroethane

Concen: 99.346 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN060070.D

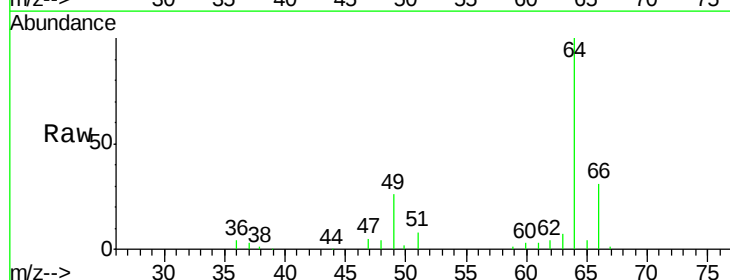
Acq: 12 Feb 2020 12:50

Tgt Ion: 64 Resp: 142165

Ion Ratio Lower Upper

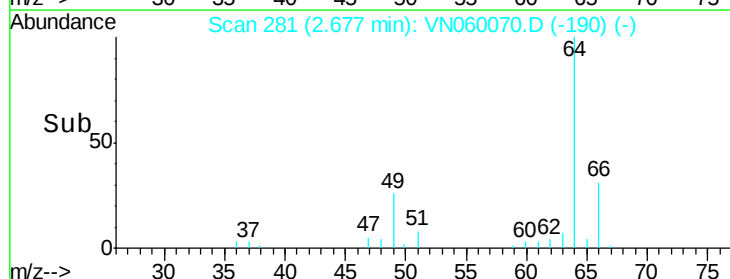
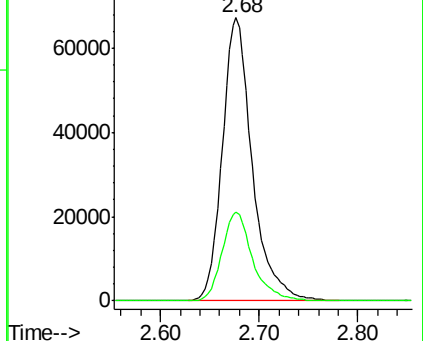
64 100

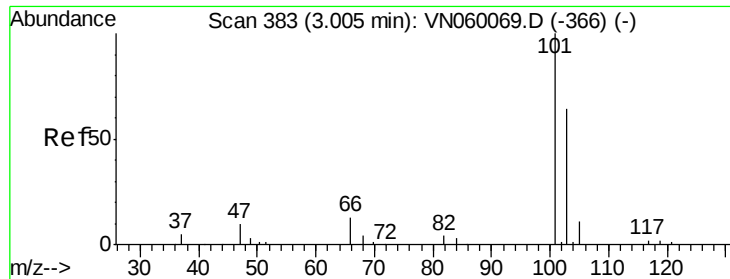
66 31.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060069.D

Ion 65.90 (65.60 to 66.60): VN060070.D





#7

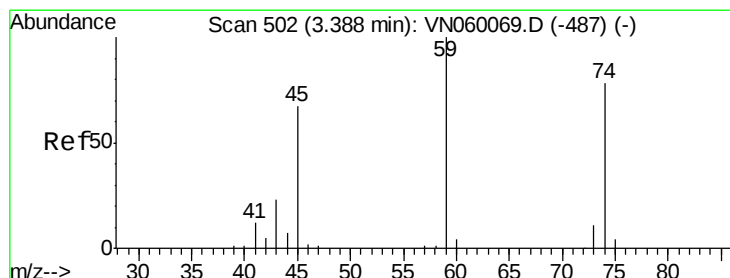
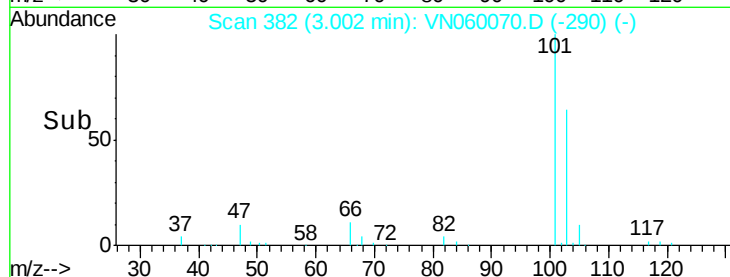
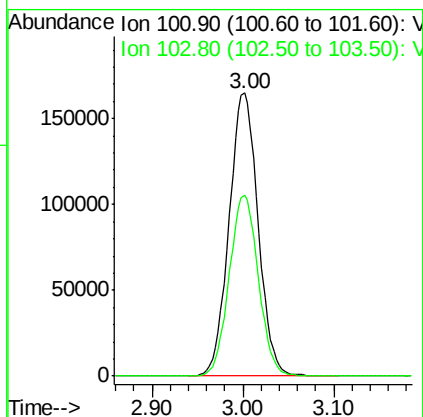
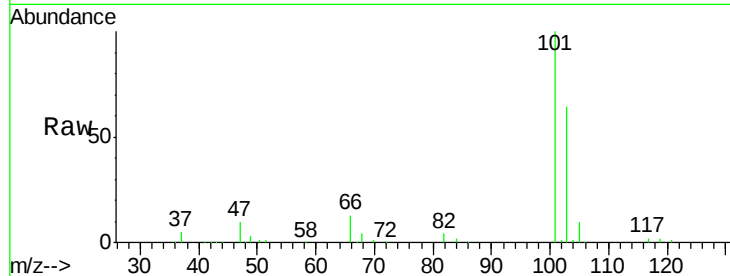
Trichlorofluoromethane
Concen: 99.968 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 364657
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.6

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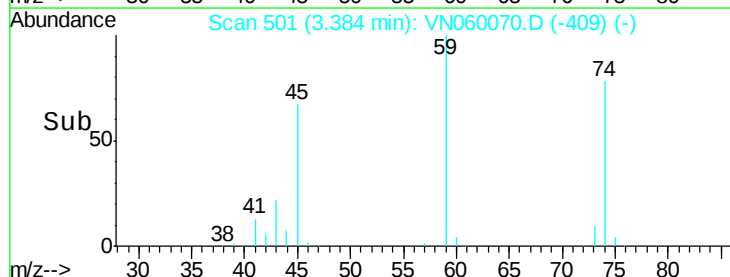
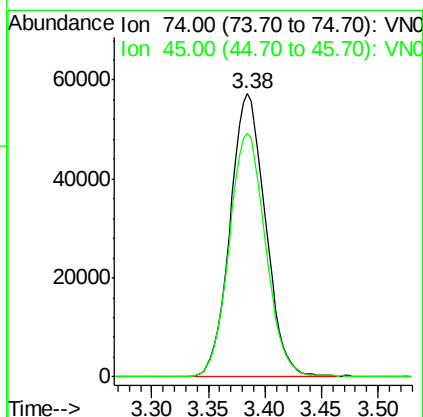
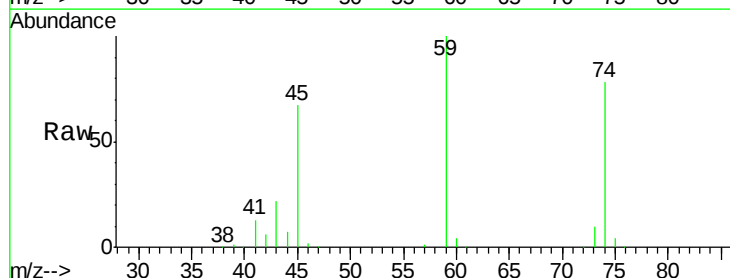
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2/13/2020 10:37:14 AM

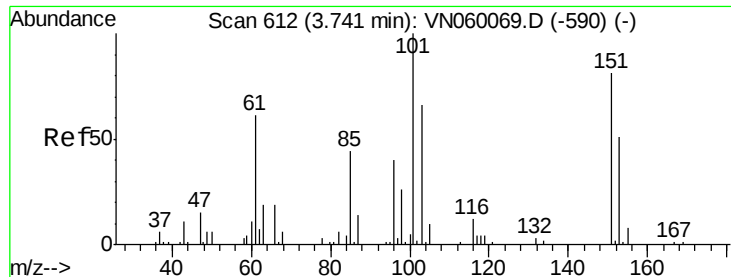


#8

Diethyl Ether
Concen: 102.744 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion: 74 Resp: 124757
Ion Ratio Lower Upper
74 100
45 88.7 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.361 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

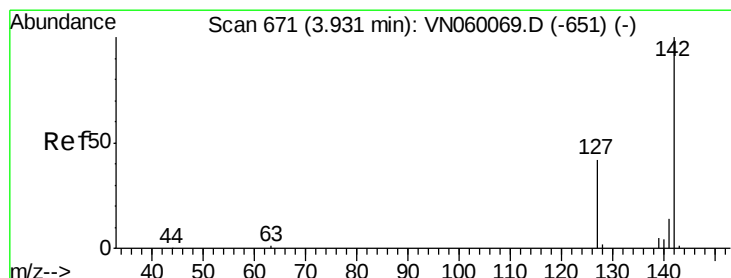
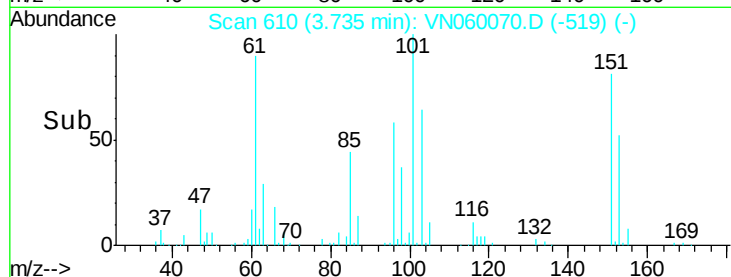
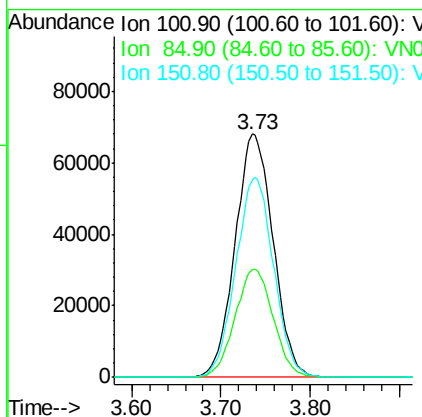
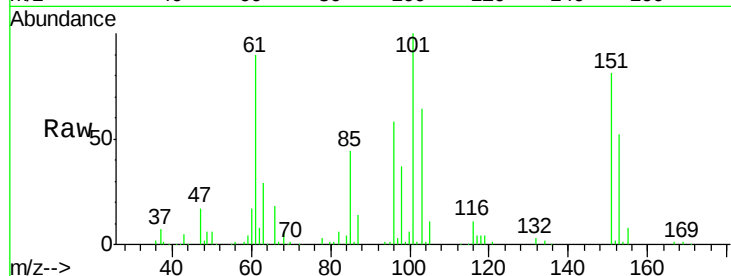
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	201226
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	81.9	65.8	98.6

Manual Integrations
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MMDadoda
2/13/2020 10:37:14 AM



#10

Methyl Iodide

Concen: 112.341 ug/l

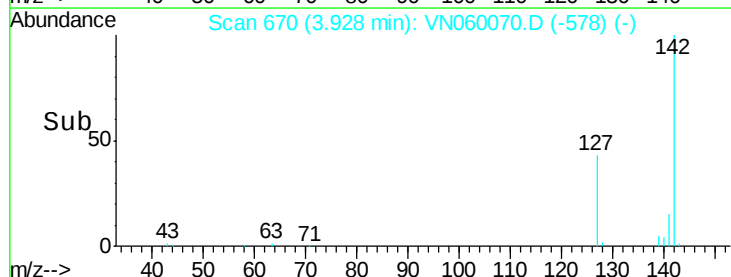
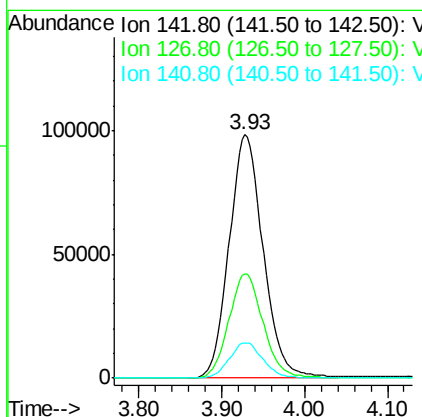
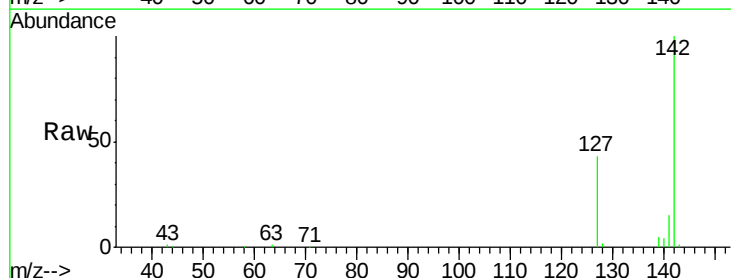
RT: 3.93 min Scan# 670

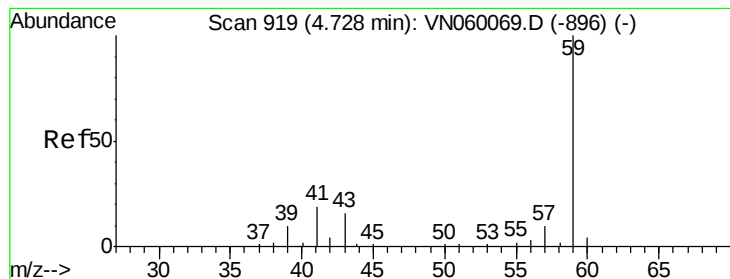
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	142	Resp:	281942
Ion Ratio	Lower	Upper	
142	100		
127	43.0	33.6	50.4
141	14.4	11.4	17.2





#11

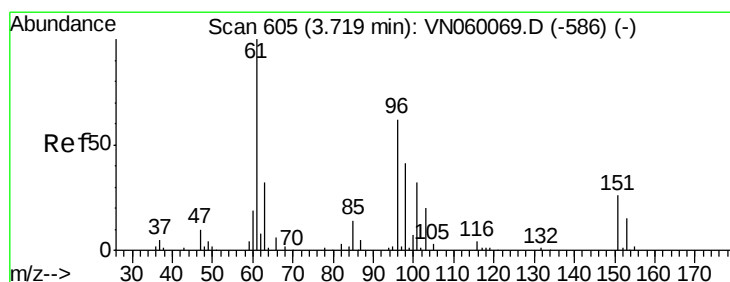
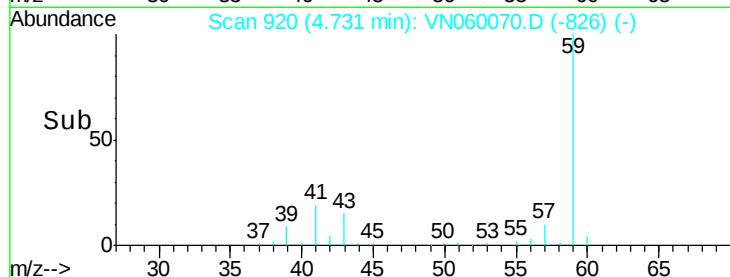
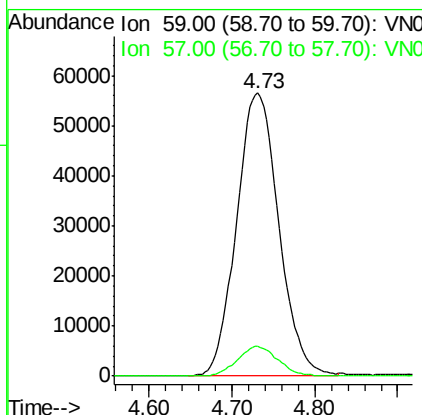
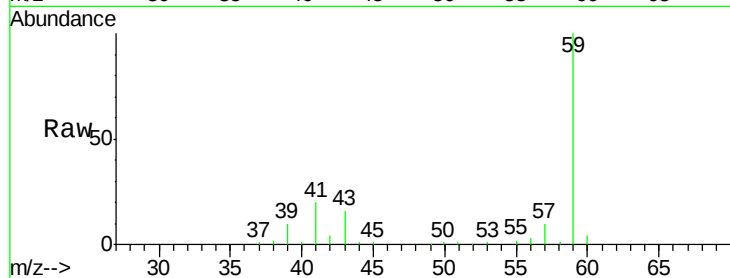
Tert butyl alcohol
 Concen: 527.083 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	200276		
57	10.1		8.2	12.4

Manual Integrations
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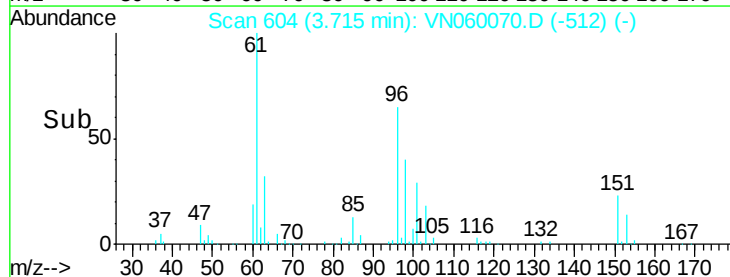
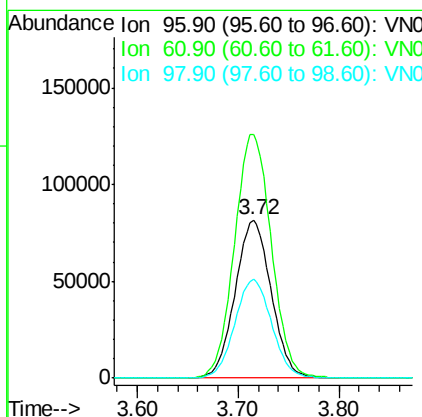
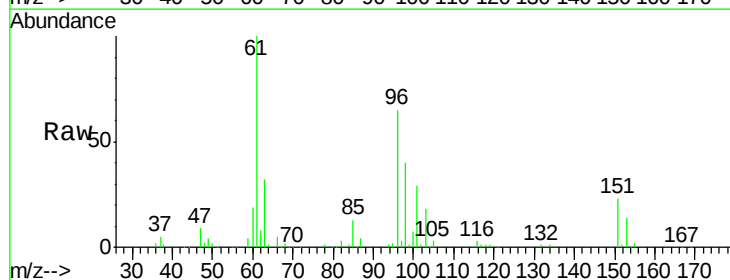
MMDadoda
 2/13/2020 10:37:14 AM

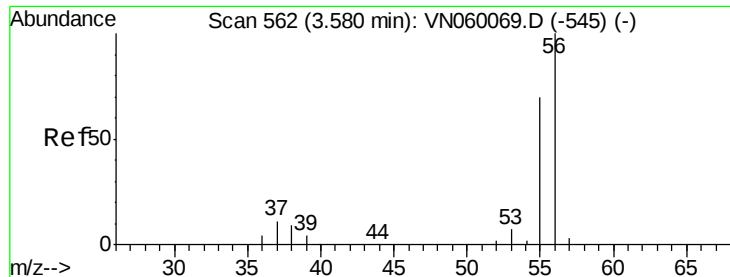


#12

1,1-Dichloroethene
 Concen: 102.589 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	202396		
61	154.1		128.3	192.5
98	62.3		52.2	78.4





#13

Acrolein

Concen: 538.927 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 202409

Ion Ratio Lower Upper

56 100

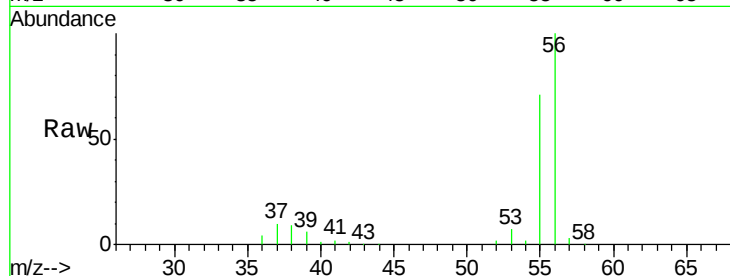
55 71.2 54.8 82.2

Manual Integrations

APPROVED

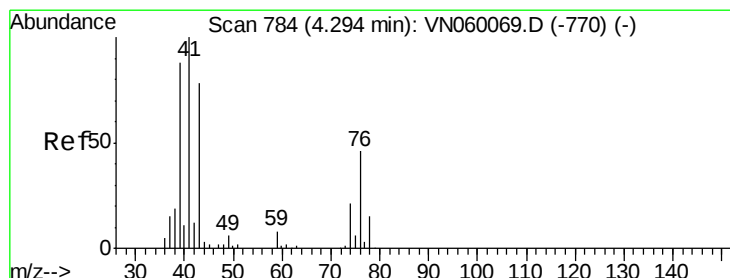
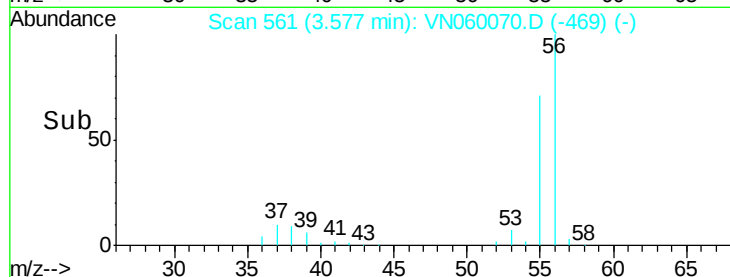
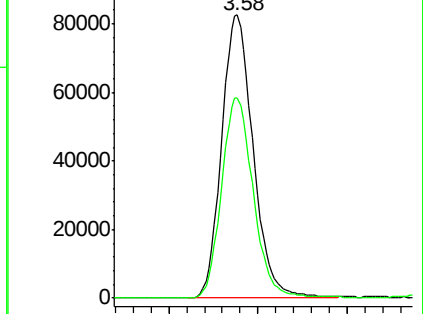
MMDadoda

2/13/2020 10:37:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN060069.D (-545) (-)



#14

Allyl chloride

Concen: 99.799 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

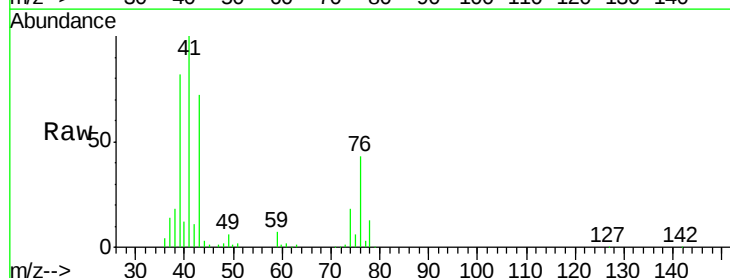
Tgt Ion: 41 Resp: 289793

Ion Ratio Lower Upper

41 100

39 83.2 67.8 101.8

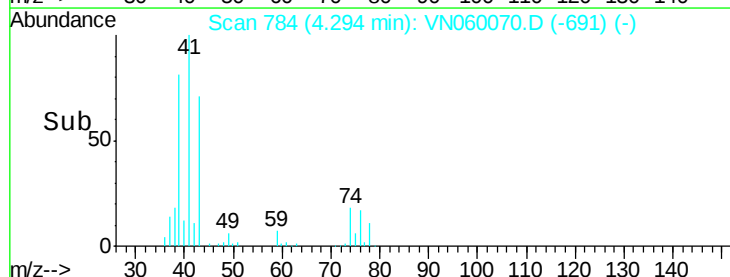
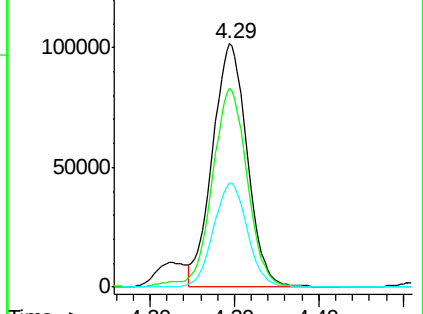
76 42.0 33.9 50.9

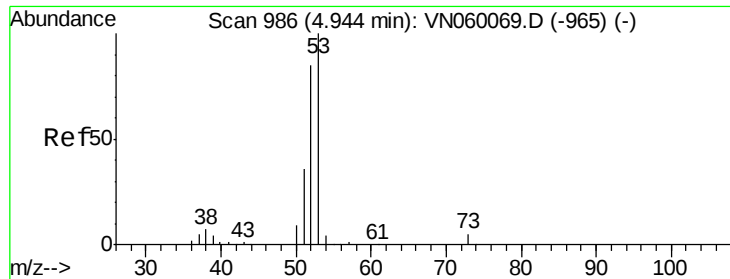


Abundance Ion 41.00 (40.70 to 41.70): VN060069.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN060069.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN060069.D (-770) (-)





#15

Acrylonitrile

Concen: 548.586 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

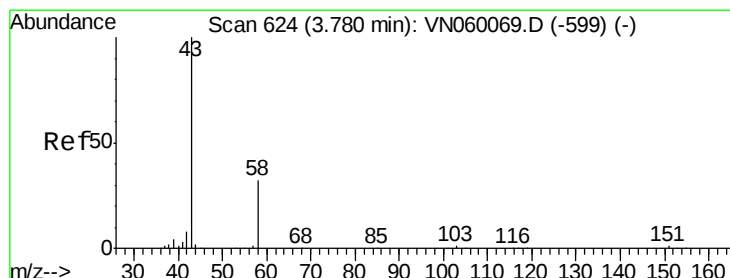
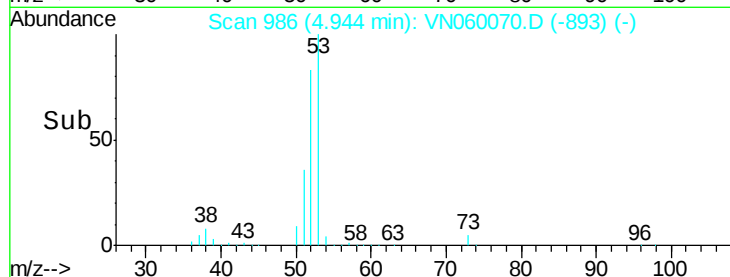
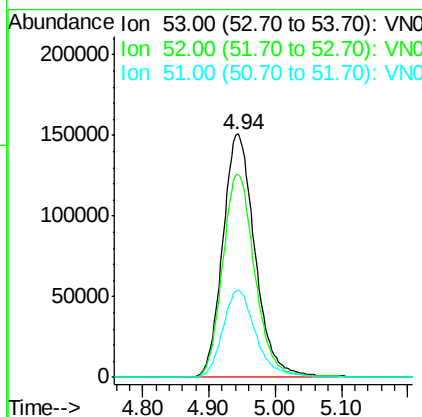
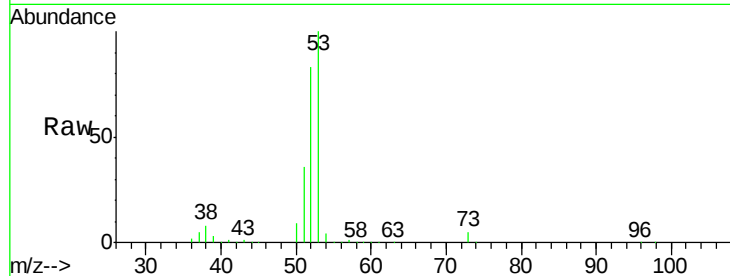
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	509054
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.8	100.2
51	36.9	29.4	44.0

Manual Integrations
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MMDadoda
2/13/2020 10:37:14 AM



#16

Acetone

Concen: 512.705 ug/l

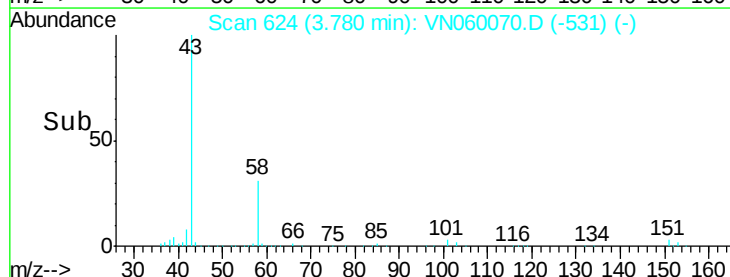
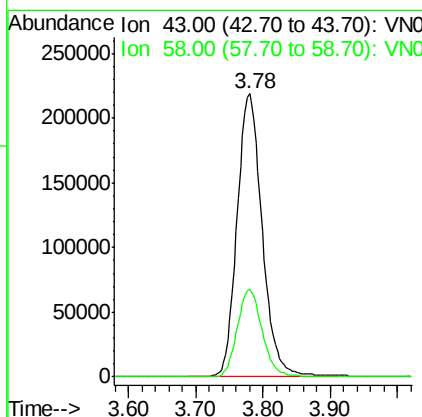
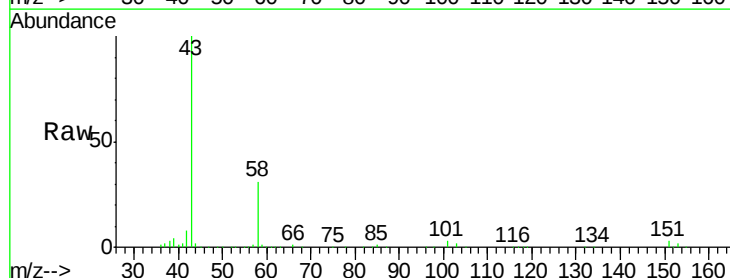
RT: 3.78 min Scan# 624

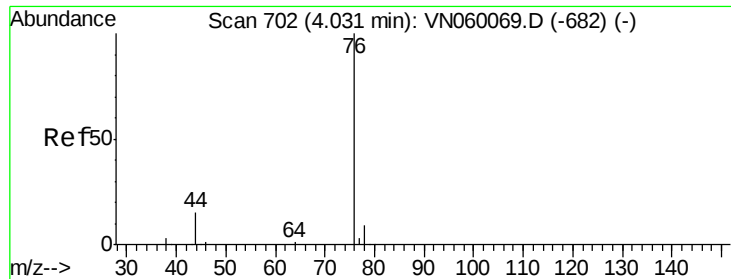
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	43	Resp:	567853
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.2	37.8





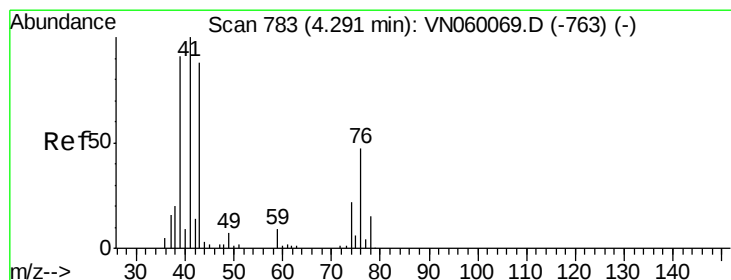
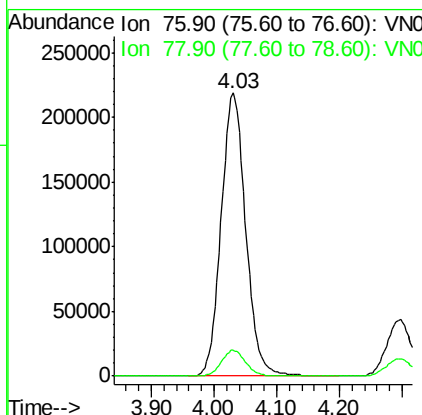
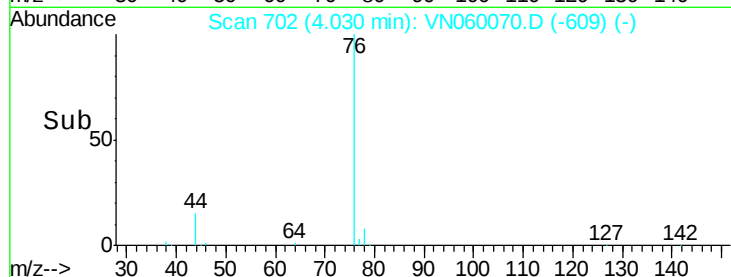
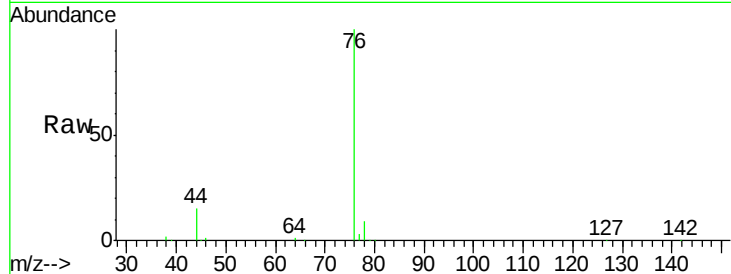
#17
Carbon Disulfide
Concen: 100.021 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 594786
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6

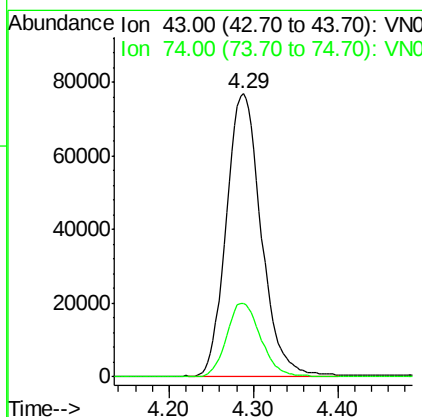
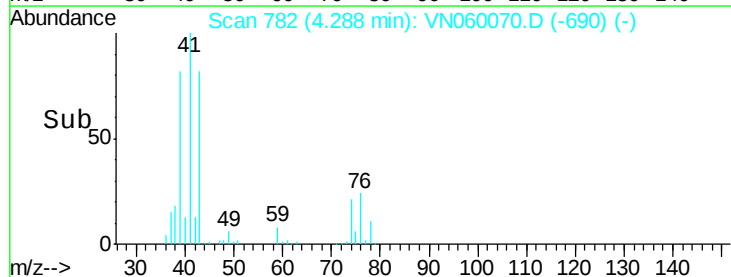
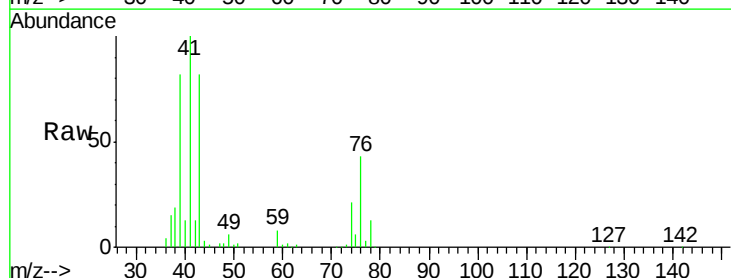
Manual Integrations
APPROVED

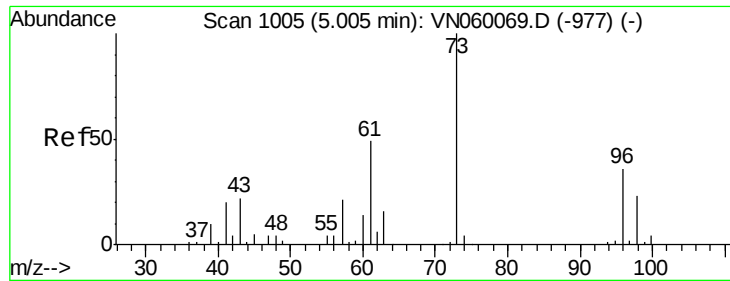
MMDadoda
2/13/2020 10:37:14 AM



#18
Methyl Acetate
Concen: 105.932 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion: 43 Resp: 220398
Ion Ratio Lower Upper
43 100
74 25.6 20.3 30.5





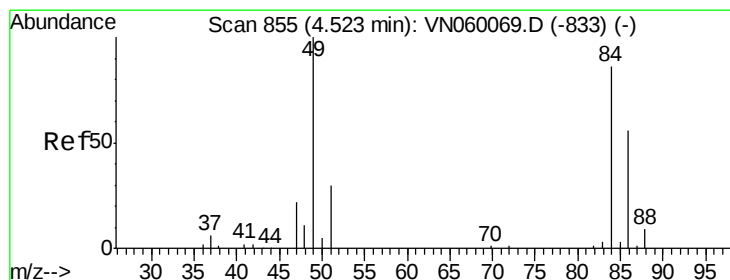
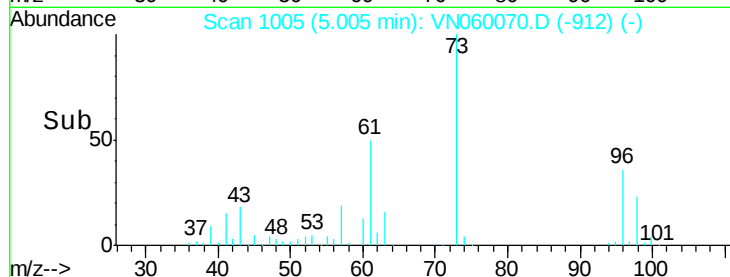
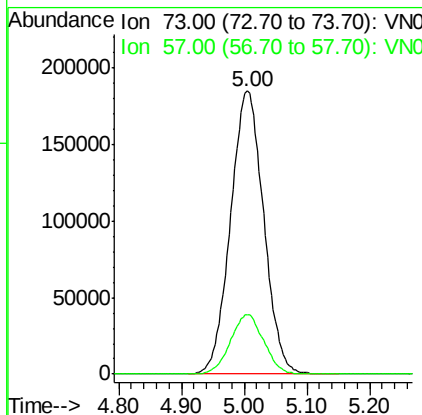
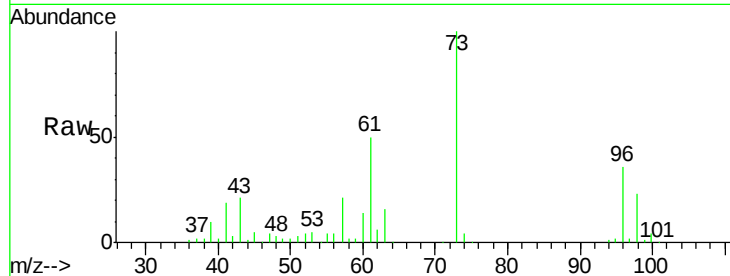
#19
Methvl tert-butvl Ether
Concen: 102.192 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 678009
Ion Ratio Lower Upper
73 100
57 20.9 17.2 25.8

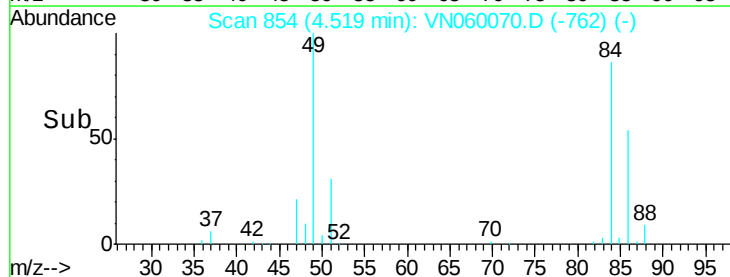
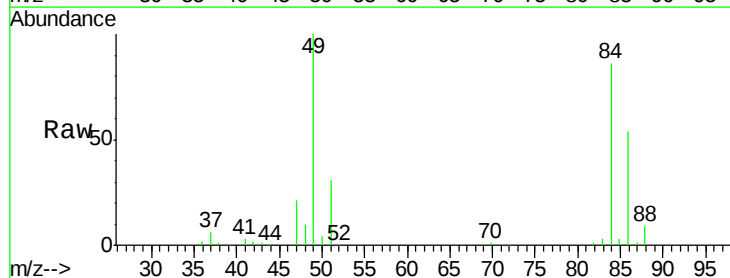
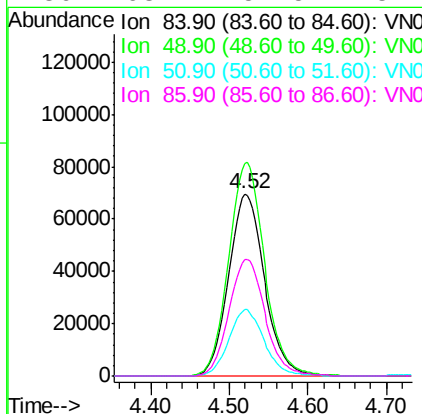
Manual Integrations
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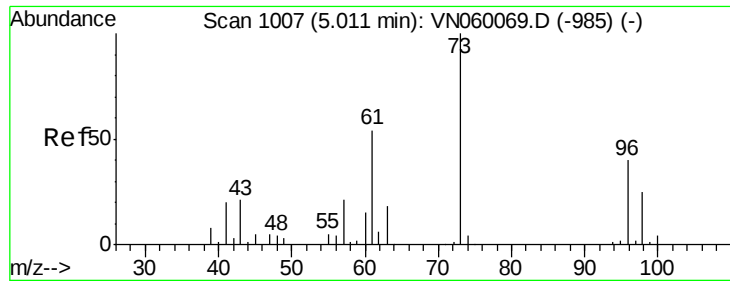
MMDadoda
2/13/2020 10:37:14 AM



#20
Methylene Chloride
Concen: 100.208 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion: 84 Resp: 221426
Ion Ratio Lower Upper
84 100
49 116.8 93.4 140.0
51 36.7 28.4 42.6
86 63.7 52.5 78.7





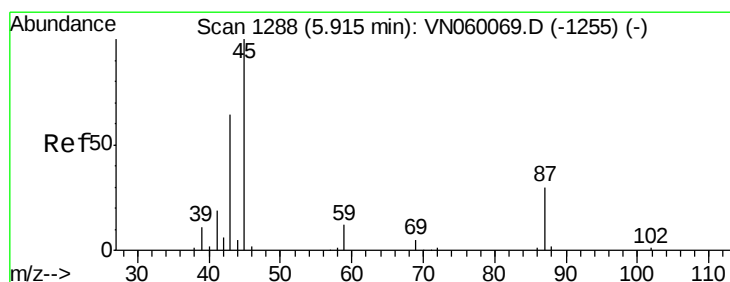
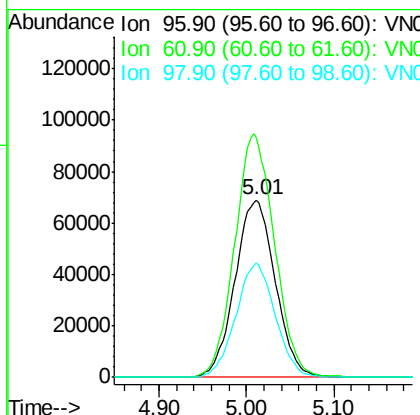
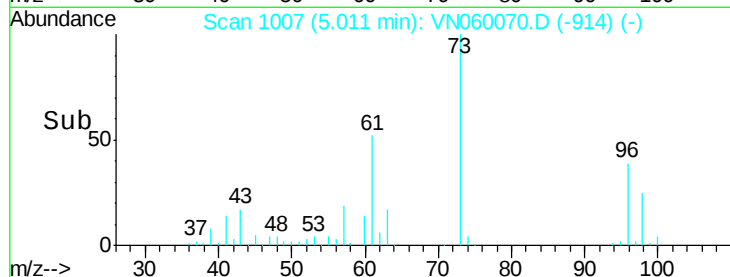
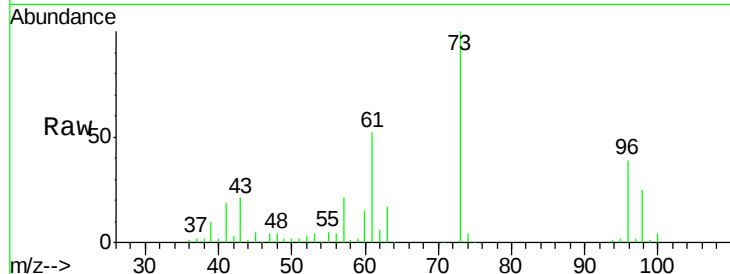
#21
trans-1,2-Dichloroethene
Concen: 102.318 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	109.3	163.9
98	64.6	51.0	76.6

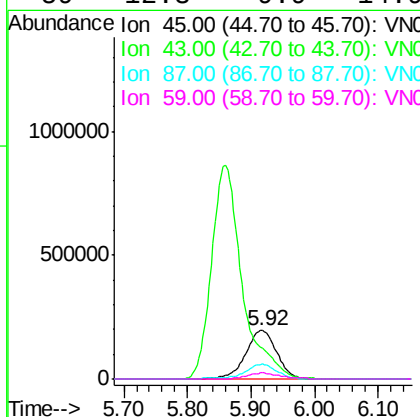
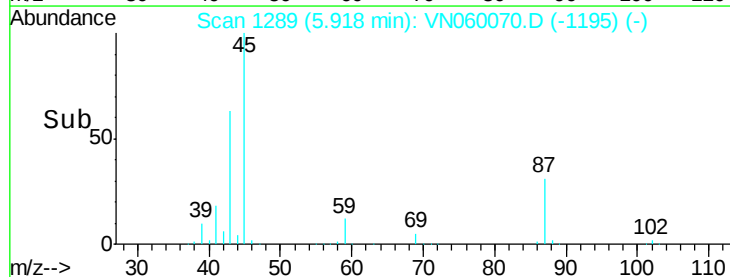
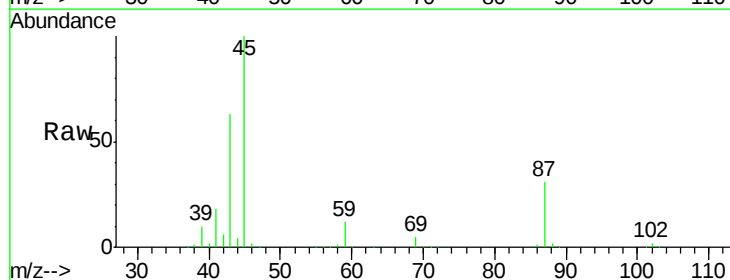
Manual Integrations
APPROVED

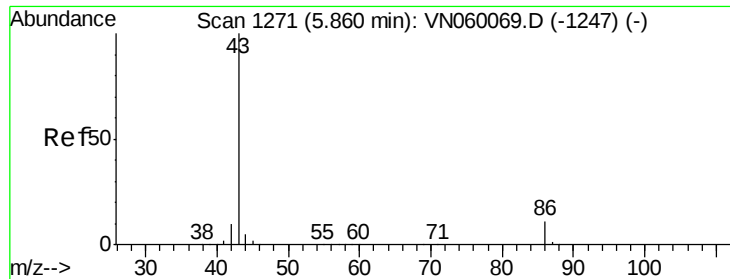
MMDadoda
2/13/2020 10:37:14 AM



#22
Diisopropyl ether
Concen: 105.006 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	55.9	83.9
87	30.6	24.5	36.7
59	12.3	9.9	14.9





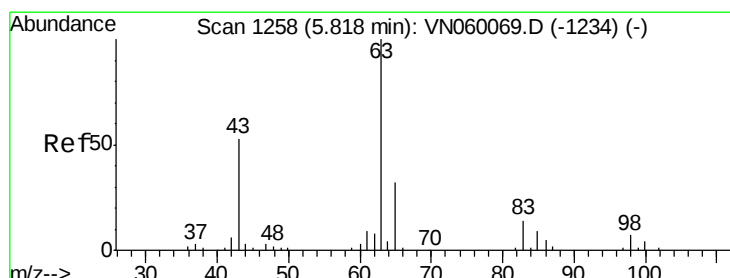
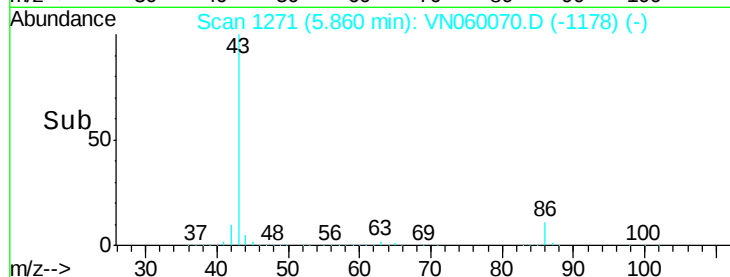
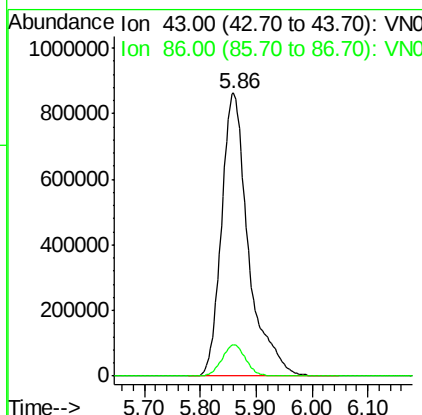
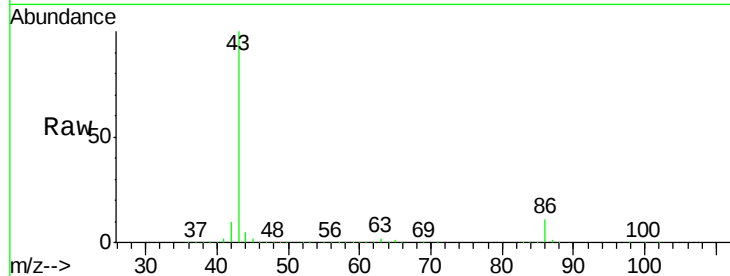
#23
 Vinyl Acetate
 Concen: 541.775 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Tot Ion: 43 Resp: 2895366
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.9 13.3

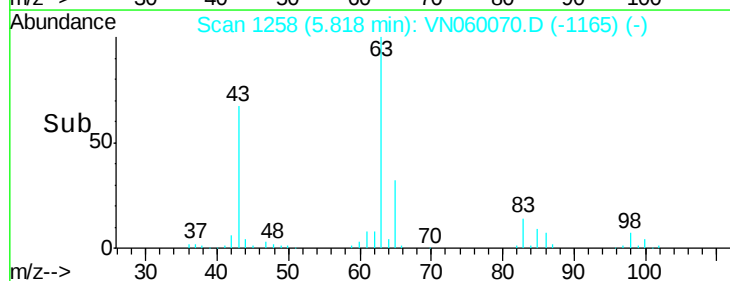
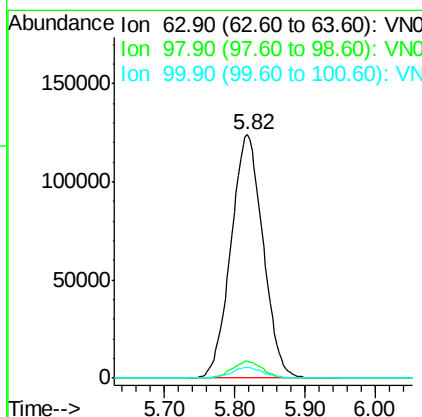
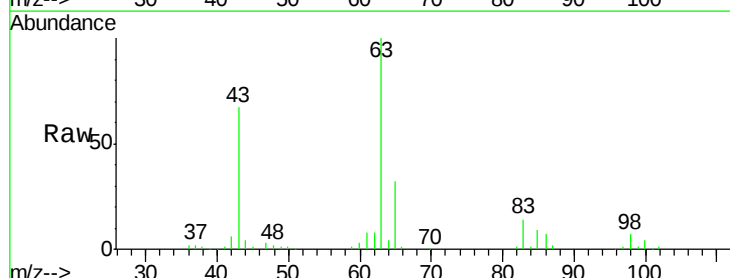
Manual Integrations
 APPROVED

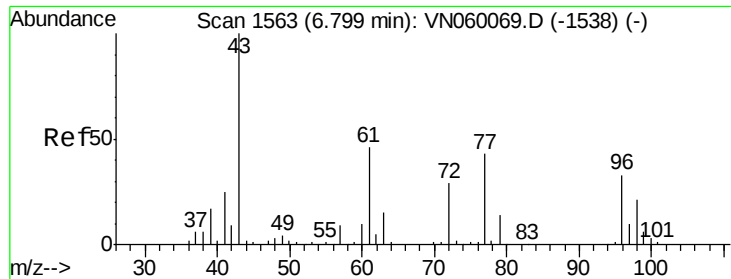
MMDadoda
 2/13/2020 10:37:14 AM



#24
 1,1-Dichloroethane
 Concen: 102.088 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion: 63 Resp: 393568
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.2 2.2 6.6





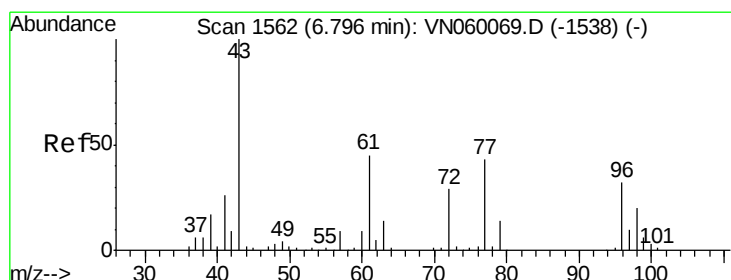
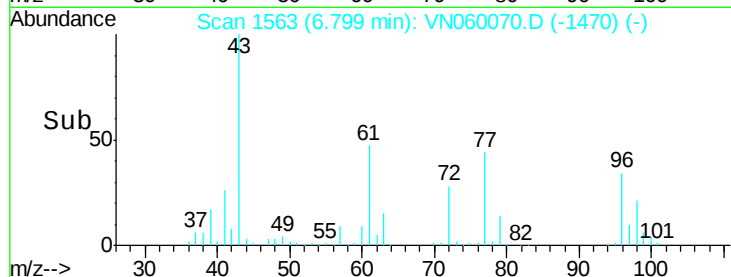
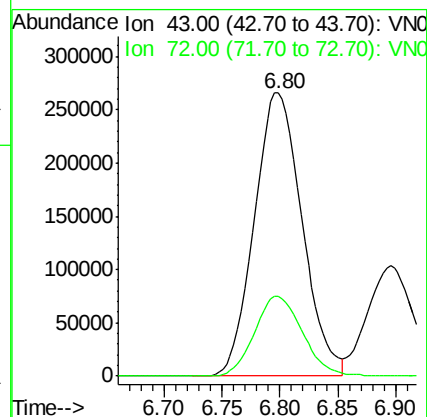
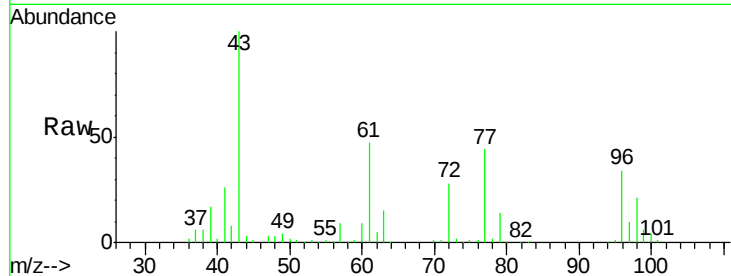
#25
2-Butanone
Concen: 546.245 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 760895
Ion Ratio Lower Upper
43 100
72 28.1 23.3 34.9

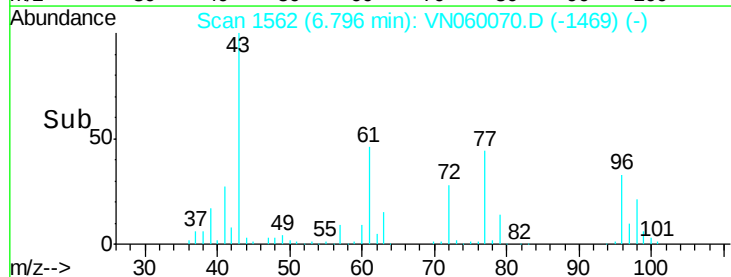
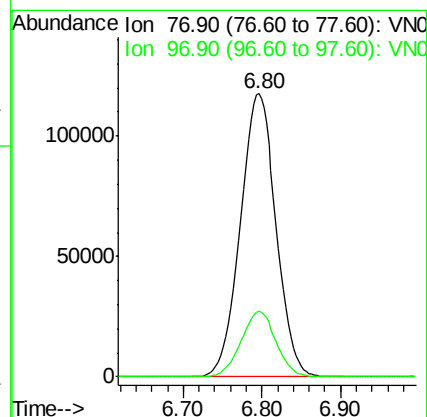
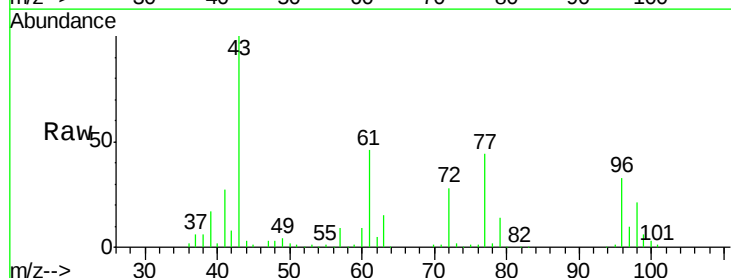
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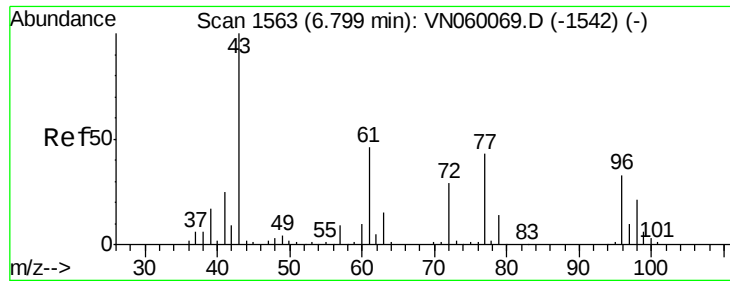
MMDadoda
2/13/2020 10:37:14 AM



#26
2,2-Dichloropropane
Concen: 101.773 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion: 77 Resp: 372663
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 101.479 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

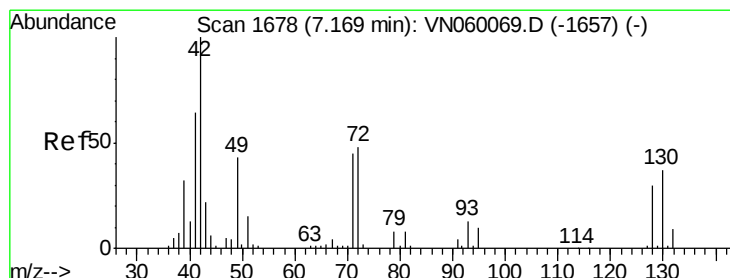
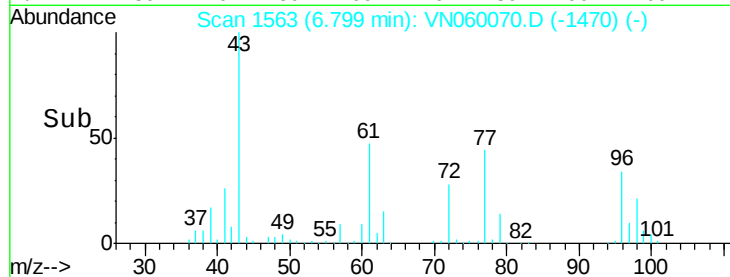
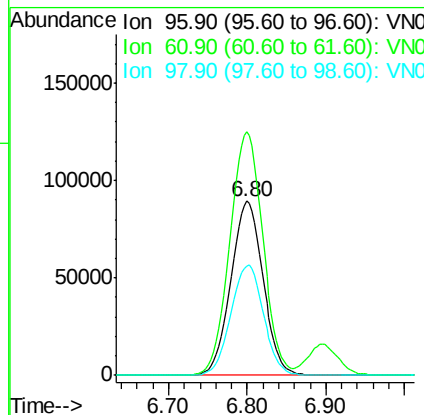
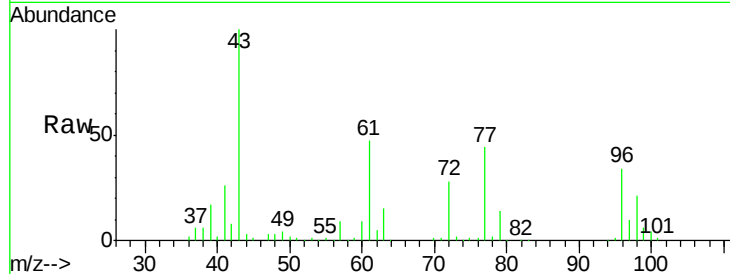
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	255410
Ion Ratio		Lower	Upper
96	100		
61	143.1	0.0	285.8
98	64.2	0.0	129.6

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#28

Bromochloromethane

Concen: 102.876 ug/l

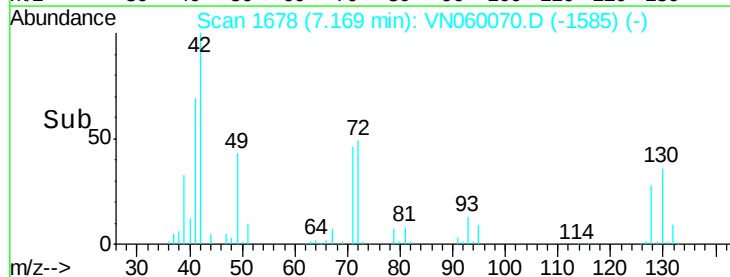
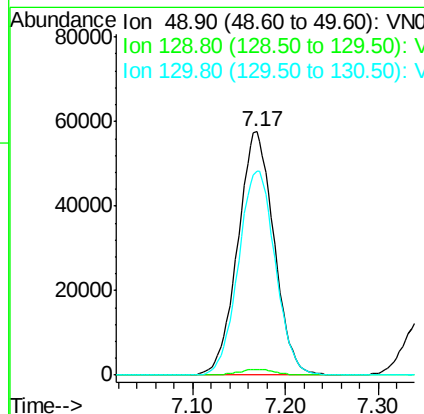
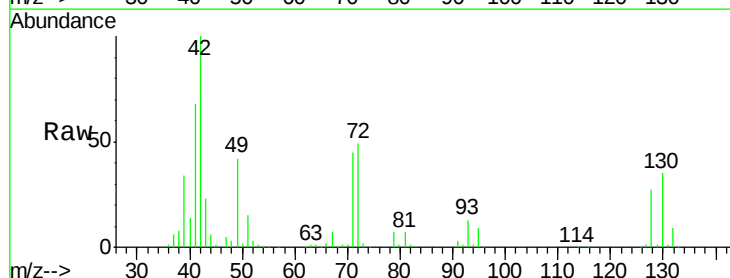
RT: 7.17 min Scan# 1678

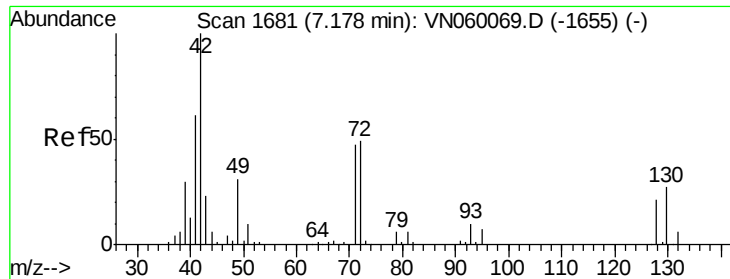
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	49	Resp:	155921
Ion Ratio		Lower	Upper
49	100		
129	2.3	0.0	2.2#
130	85.3	66.8	100.2





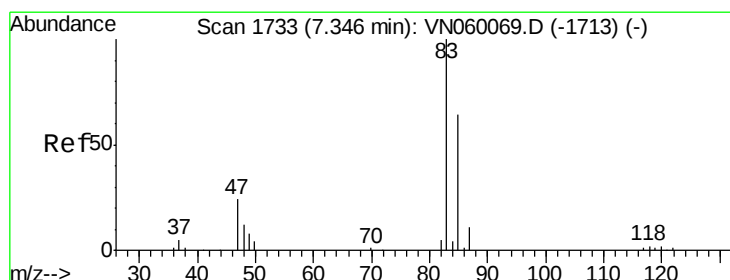
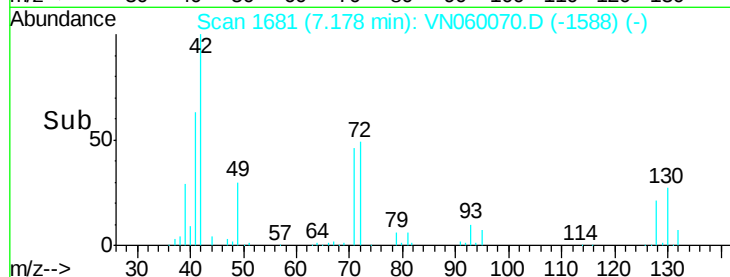
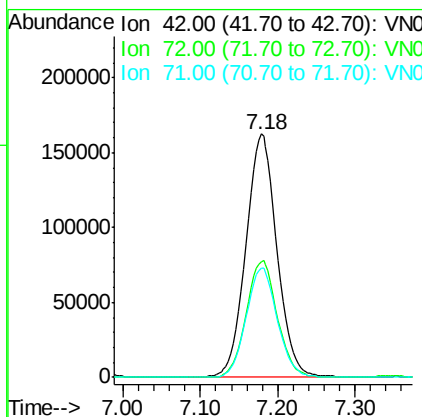
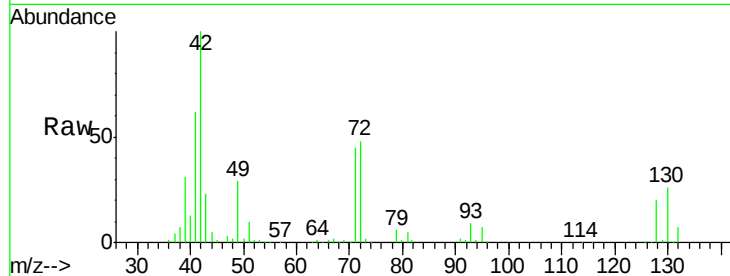
#29
Tetrahydrofuran
Concen: 533.236 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.2	57.4
71	45.2	36.6	54.8

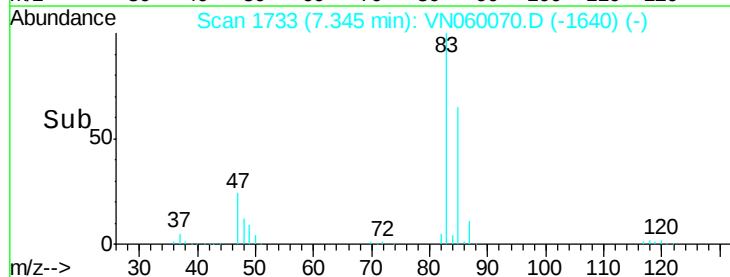
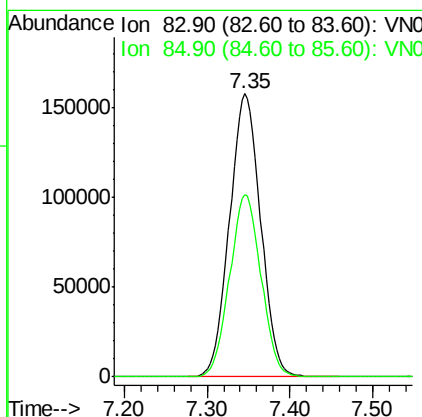
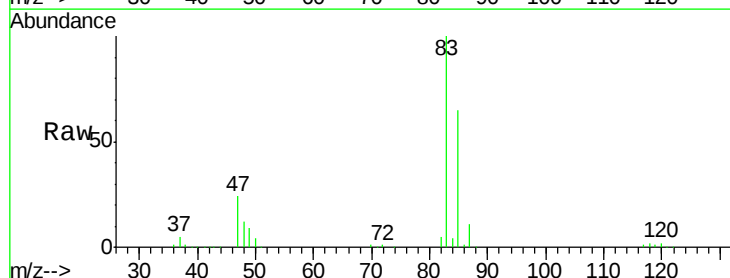
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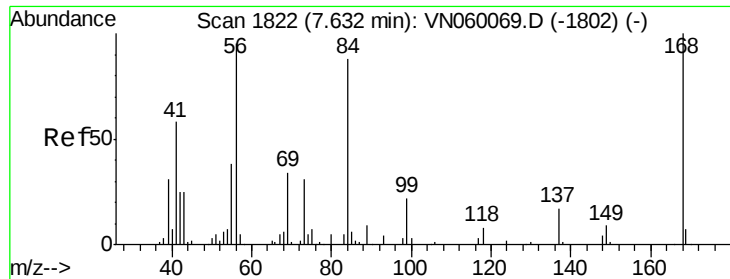
MMDadoda
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#30
Chloroform
Concen: 102.195 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





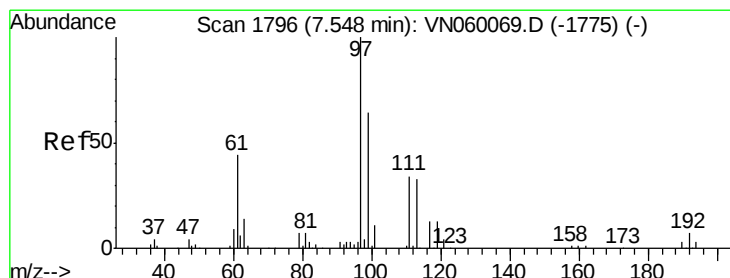
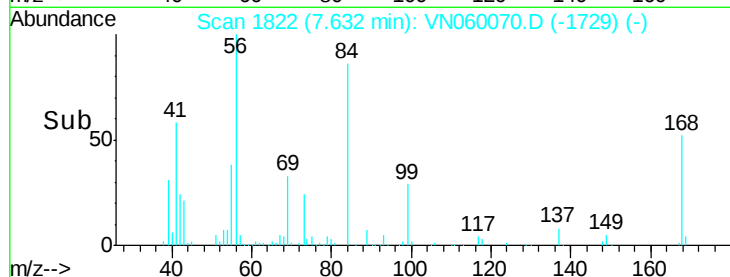
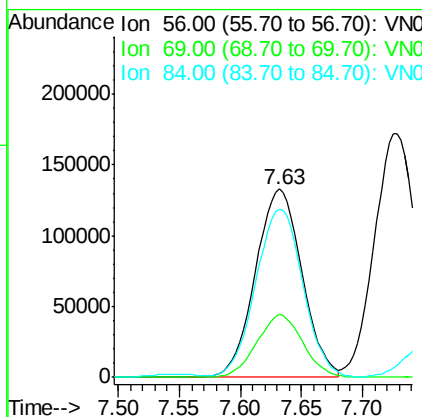
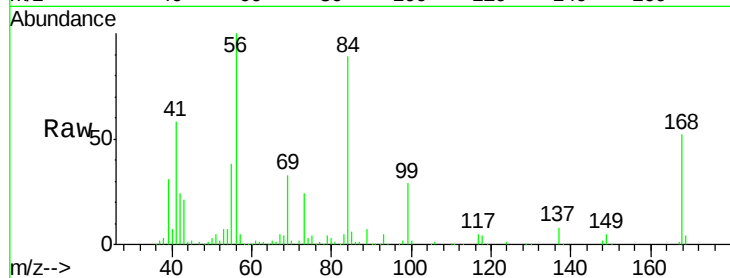
#31
Cyclohexane
Concen: 98.224 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	28.3	42.5
84	87.8	72.6	108.8

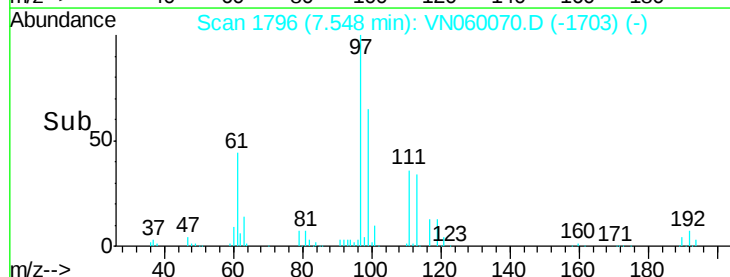
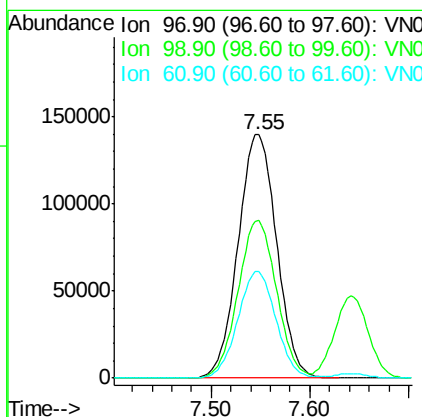
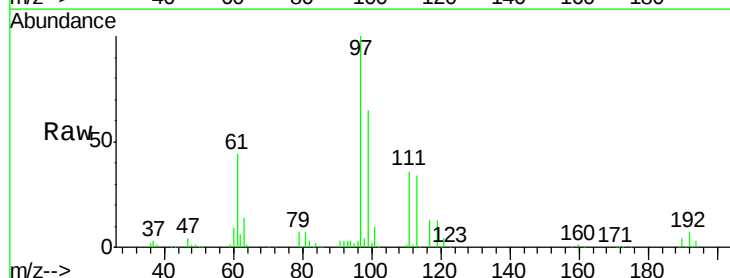
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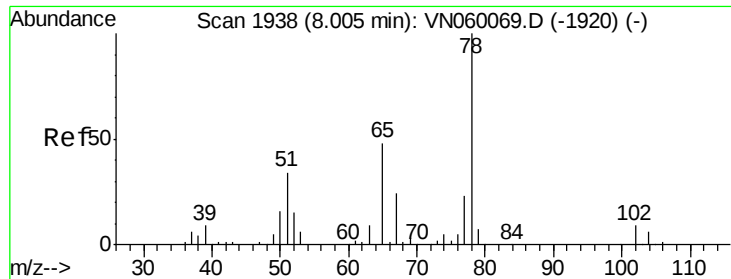
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 102.485 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	43.3	34.9	52.3





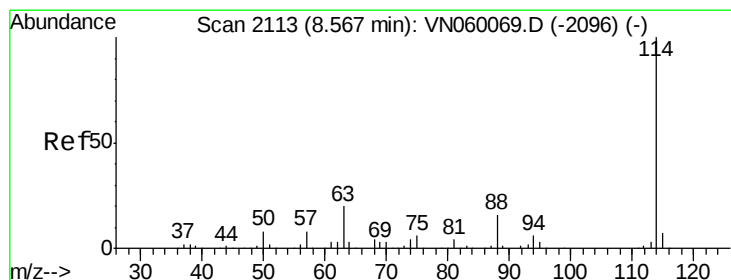
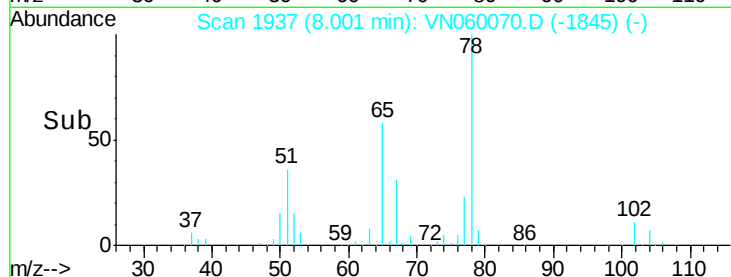
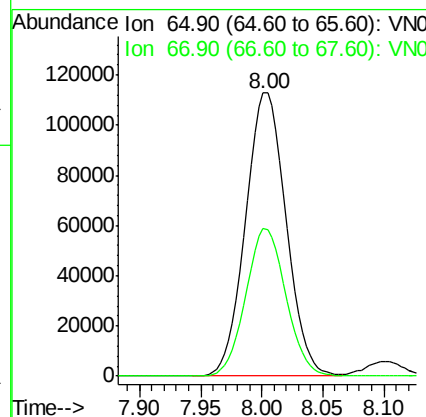
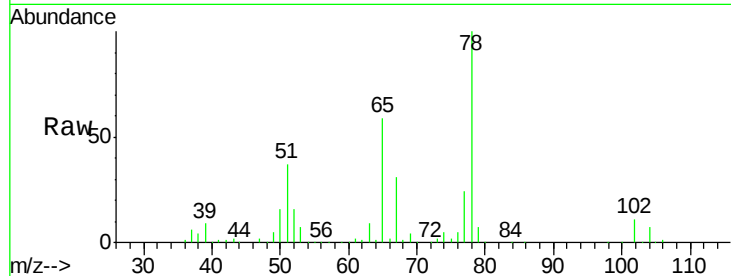
#33
 1,2-Dichloroethane-d4
 Concen: 102.477 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	260205		
67	51.4	0.0	104.0	

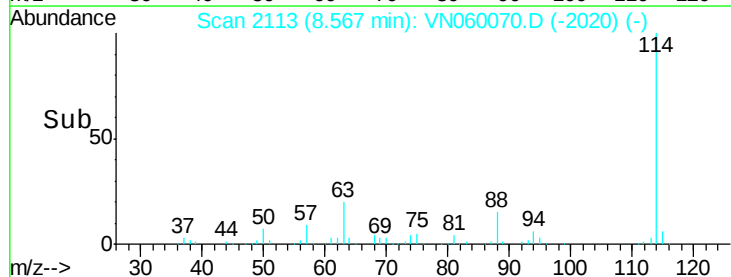
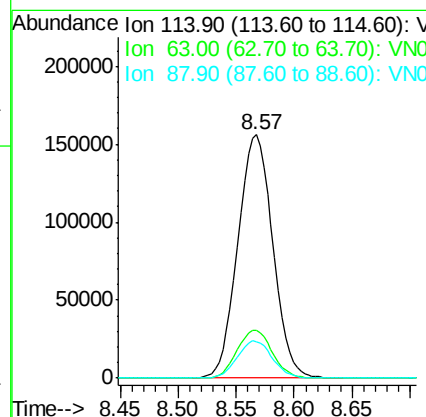
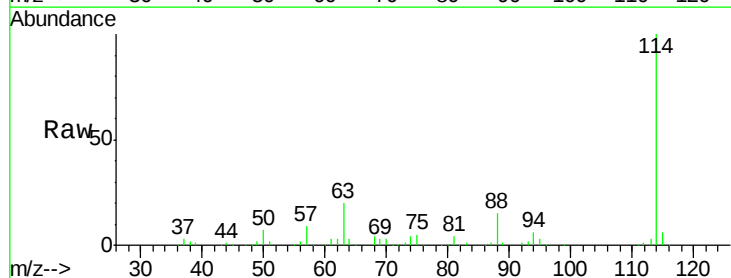
Manual Integrations
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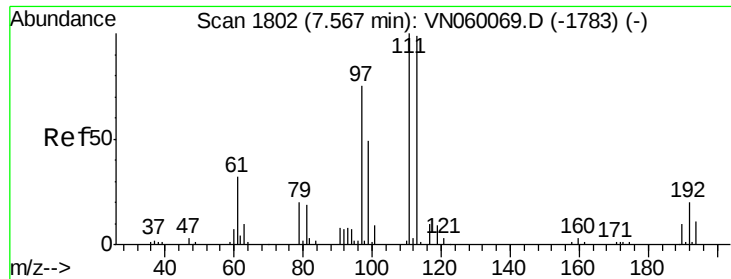
MMDadoda
 2/13/2020 10:37:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	326769		
63	19.8	0.0	40.0	
88	15.1	0.0	31.6	





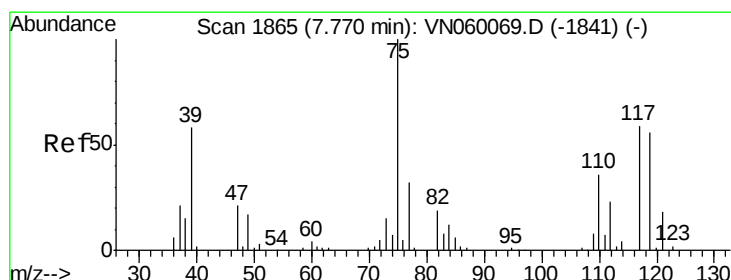
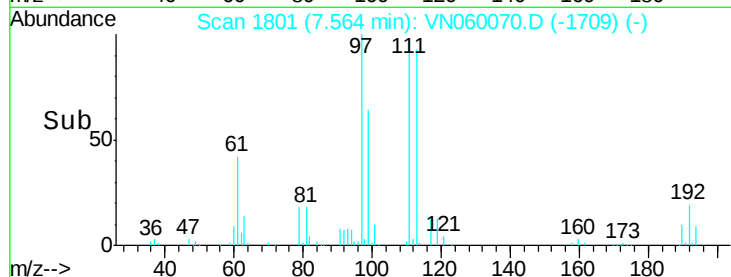
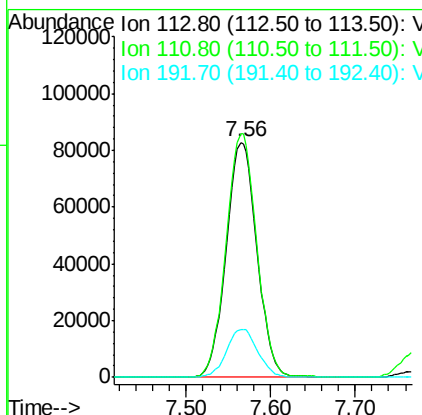
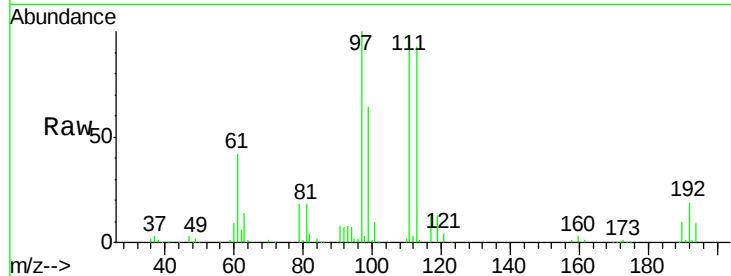
#35
Dibromofluoromethane
Concen: 104.514 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209932		
111	103.5	81.4	122.2	
192	20.7	16.2	24.2	

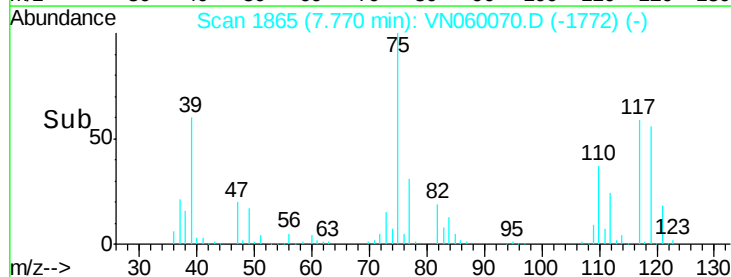
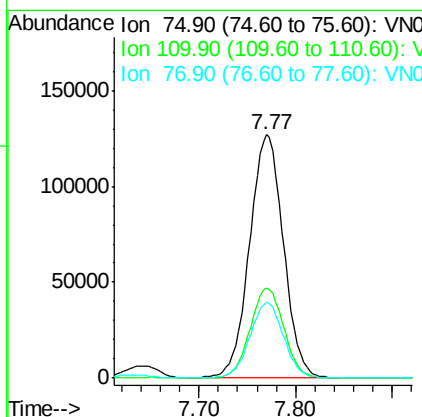
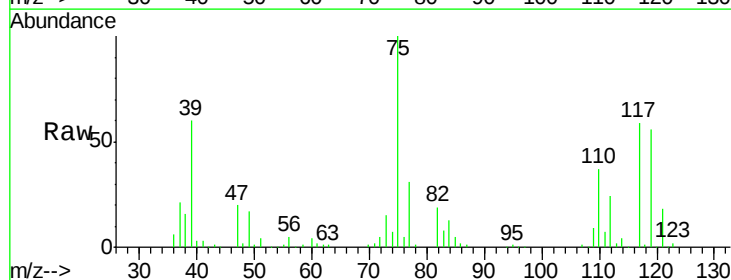
Manual Integrations
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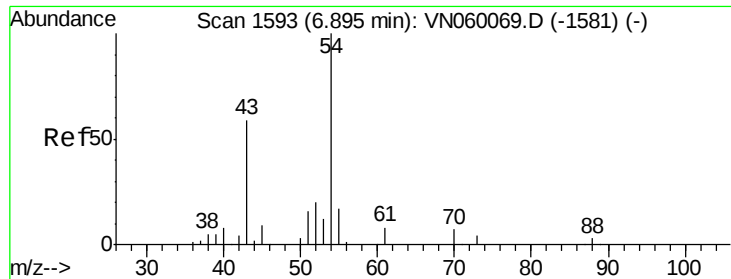
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#36
1,1-Dichloropropene
Concen: 101.753 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307972		
110	37.0	18.1	54.3	
77	31.1	25.1	37.7	





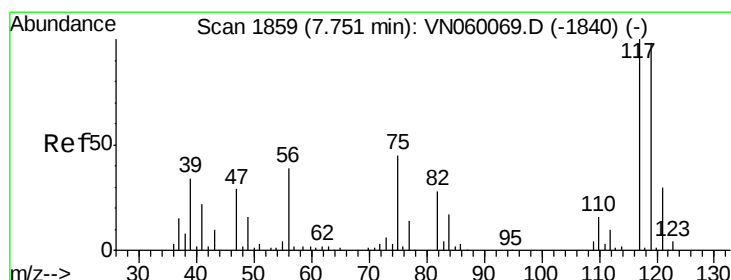
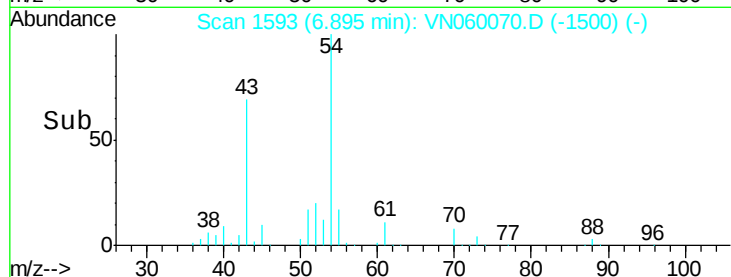
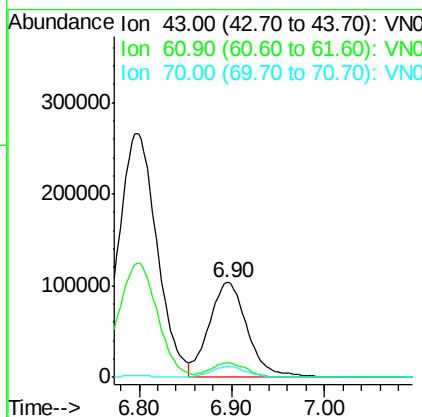
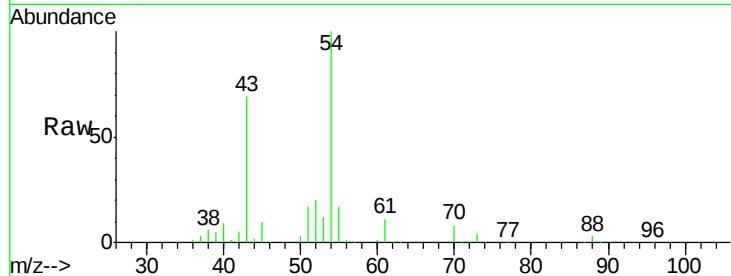
#37
Ethyl Acetate
Concen: 107.231 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.8	8.7	13.1

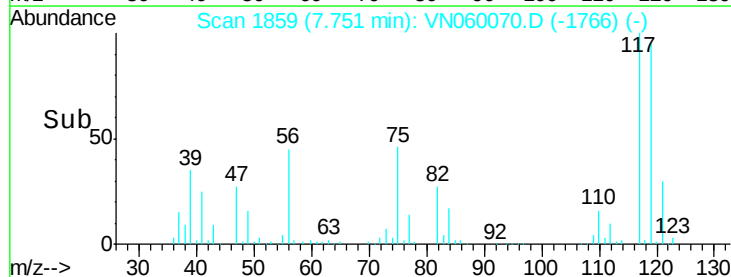
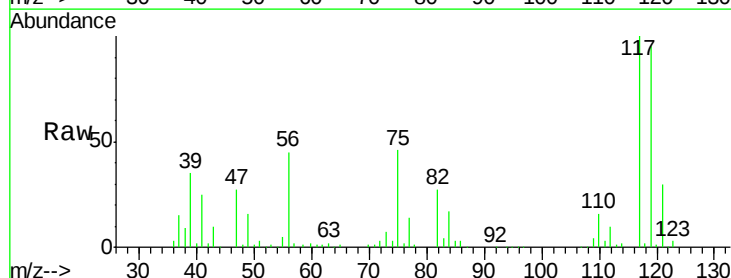
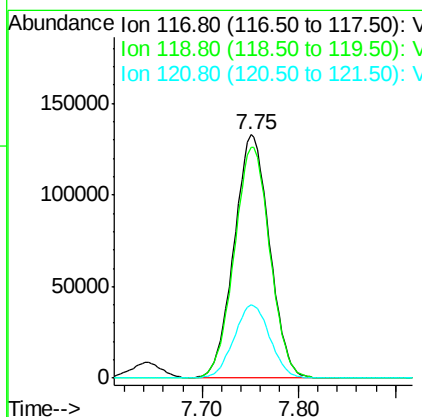
Manual Integrations
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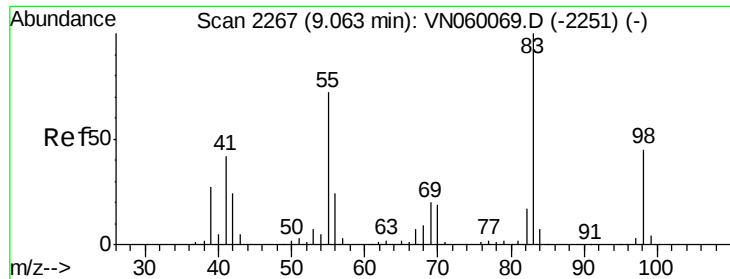
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#38
Carbon Tetrachloride
Concen: 103.020 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.2	117.4
121	30.1	24.2	36.2





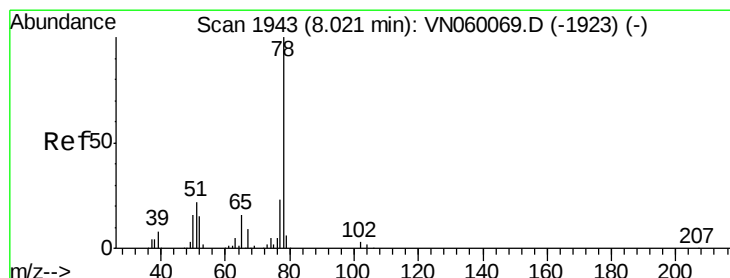
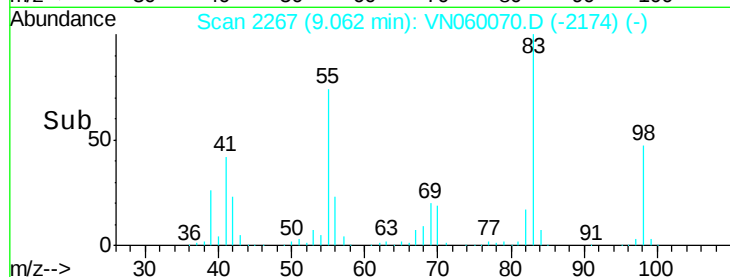
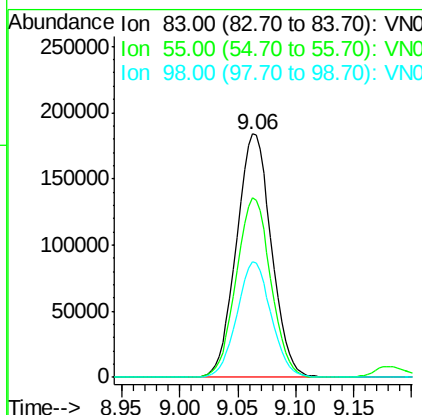
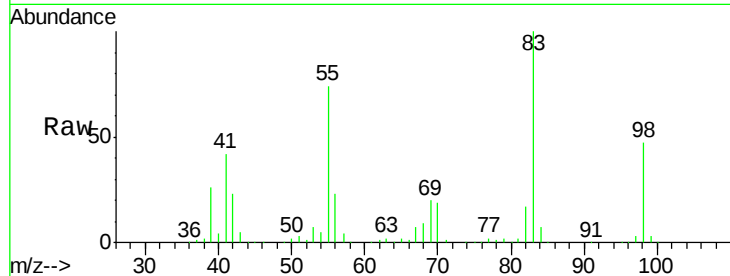
#39
Methvlcvclohexane
Concen: 102.862 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	57.8	86.8
98	47.3	36.4	54.6

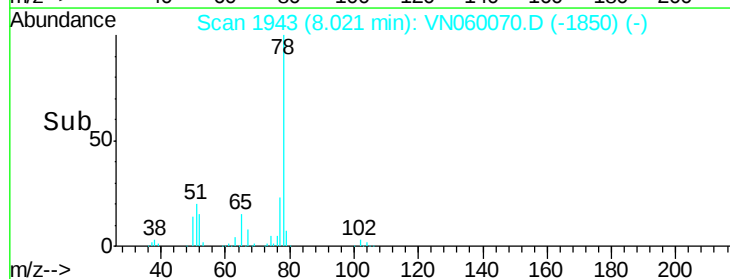
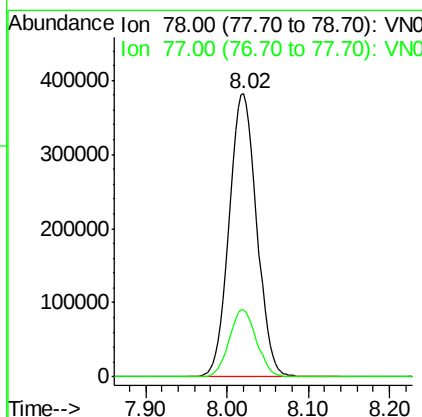
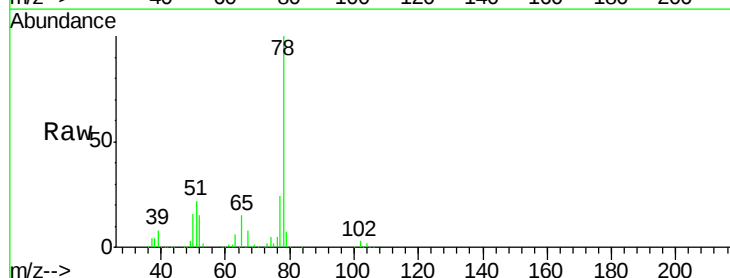
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#40
Benzene
Concen: 100.750 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





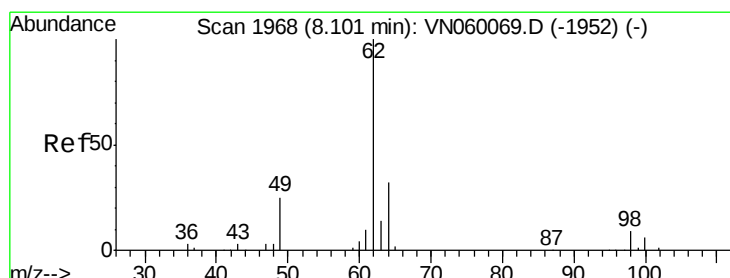
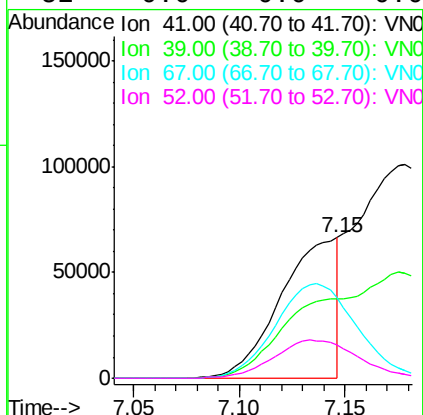
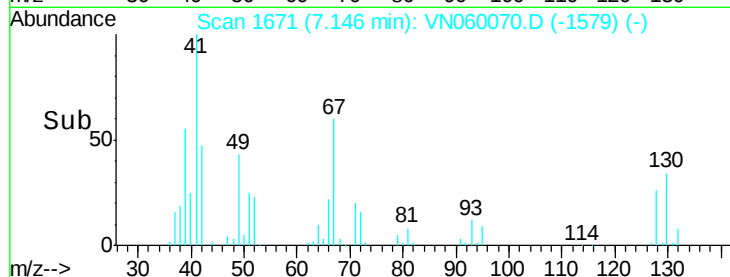
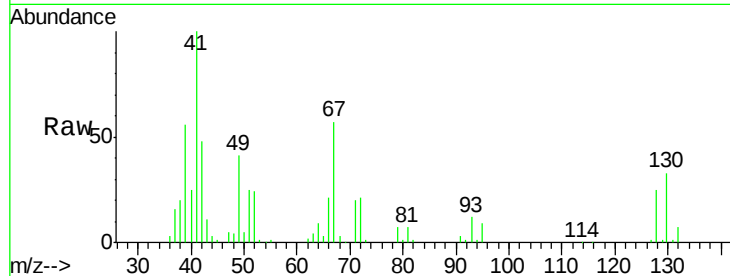
#41
Methacrylonitrile
Concen: 41.162 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	180.1	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

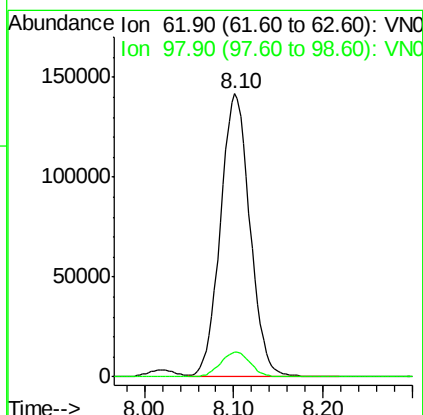
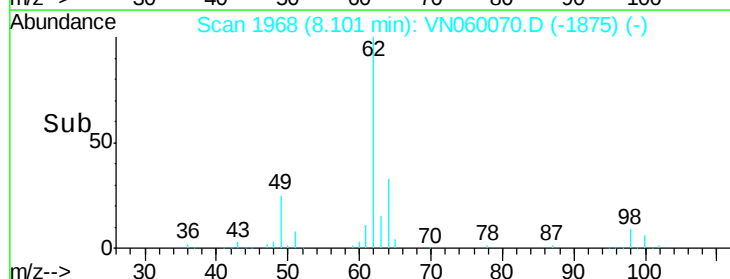
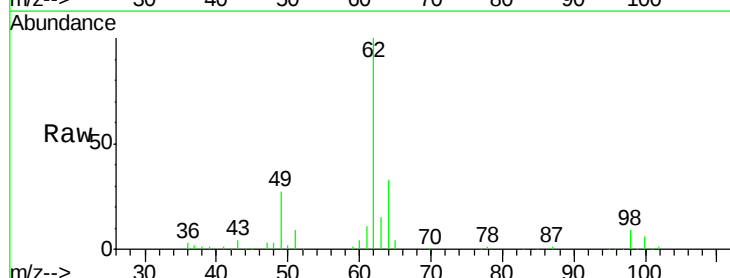
Manual Integrations
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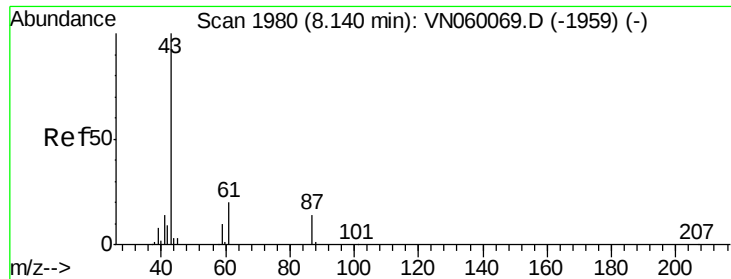
MMDadoda
2/13/2020 10:37:14 AM



#42
1,2-Dichloroethane
Concen: 103.256 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.8	0.0	18.2		





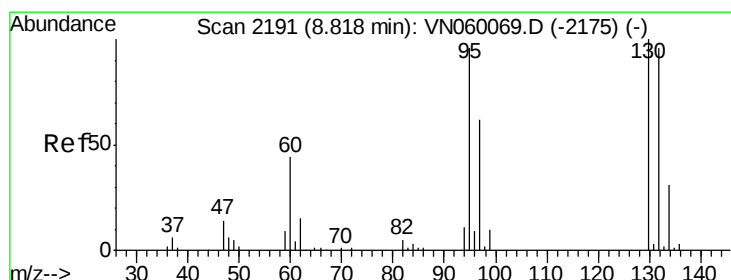
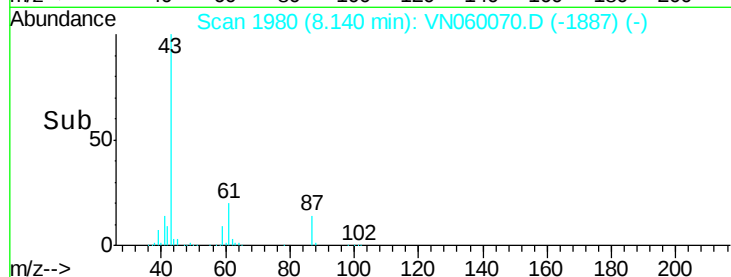
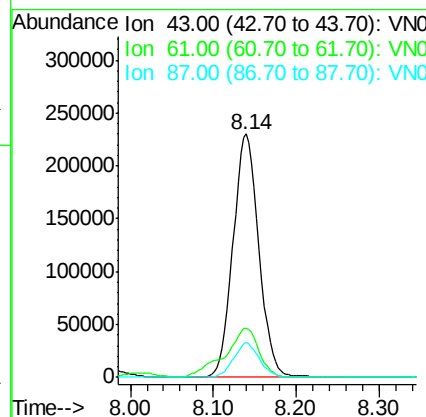
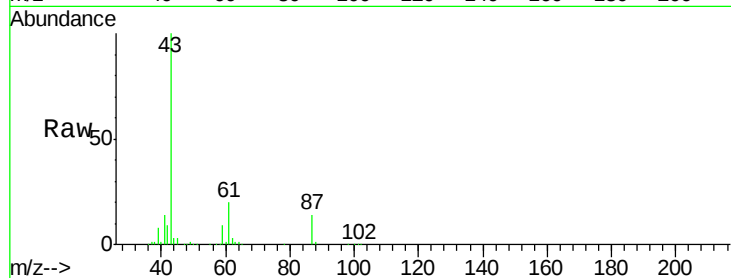
#43
Isopropyl Acetate
Concen: 106.524 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.8	32.6
87	14.1	11.4	17.2

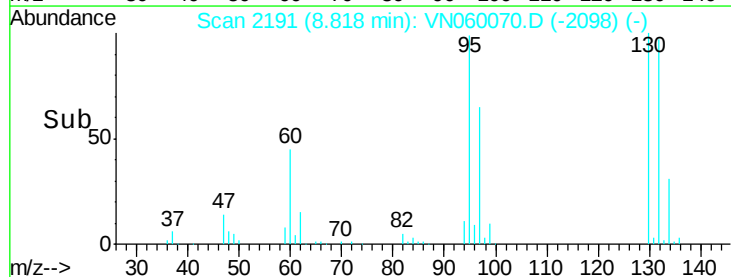
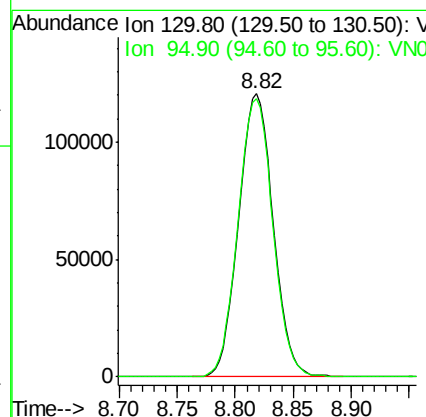
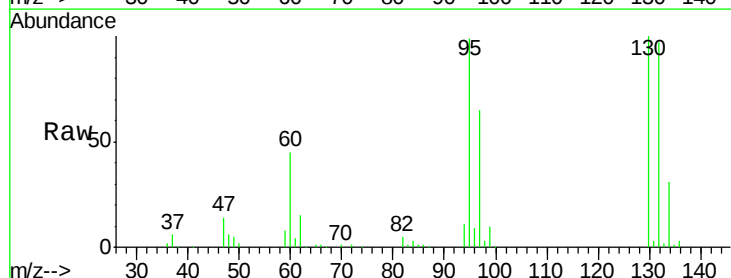
Manual Integrations
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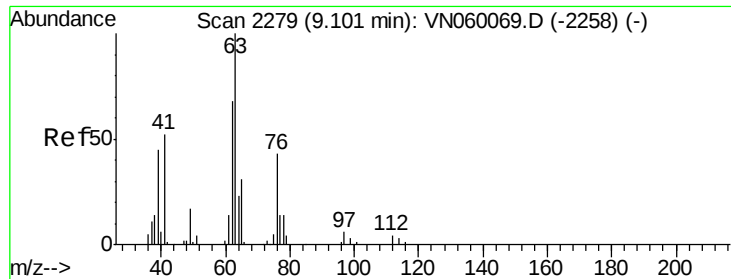
MMDadoda
2/13/2020 10:37:14 AM



#44
Trichloroethene
Concen: 100.374 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	192.4





#45

1,2-Dichloropropane

Concen: 102.880 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 228680

Ion Ratio Lower Upper

63 100

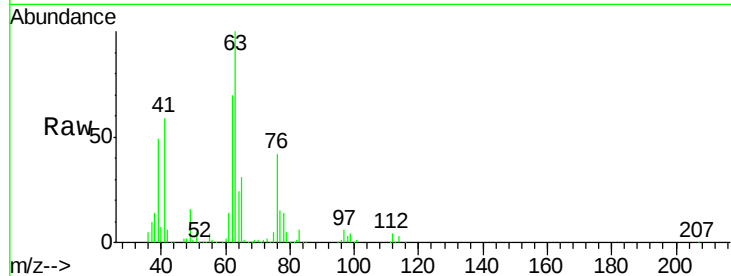
65 30.9 25.0 37.4

Manual Integrations

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MMDadoda

2/13/2020 10:37:14 AM



Abundance Ion 62.90 (62.60 to 63.60): VN060070.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060070.D (-2186) (-)

9.10

120000

100000

80000

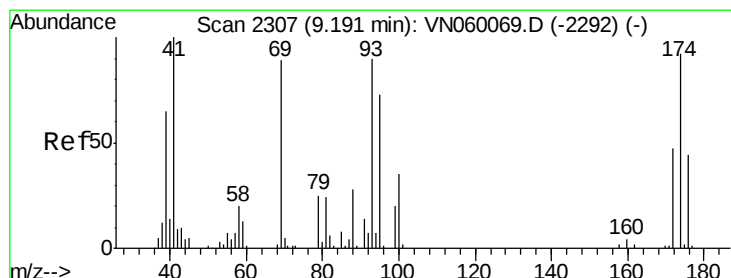
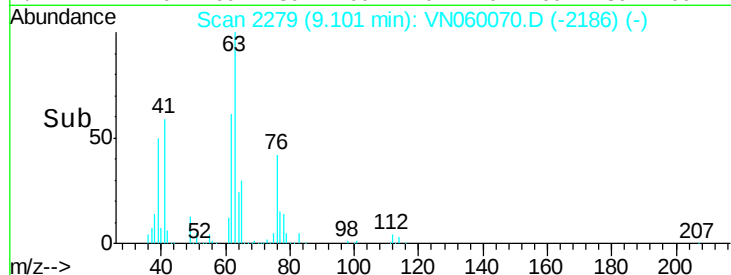
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 103.725 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

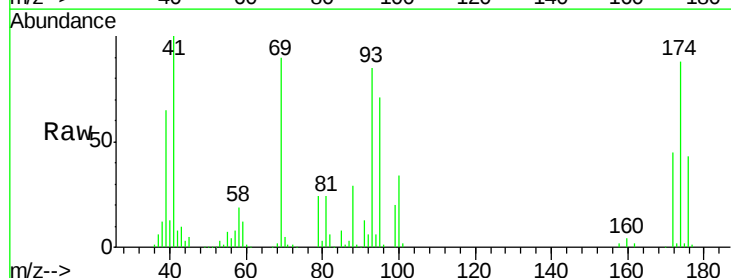
Tgt Ion: 93 Resp: 162929

Ion Ratio Lower Upper

93 100

95 83.0 65.0 97.6

174 103.1 82.3 123.5



Abundance Ion 92.80 (92.50 to 93.50): VN060070.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060070.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060070.D (-2214) (-)

9.19

100000

80000

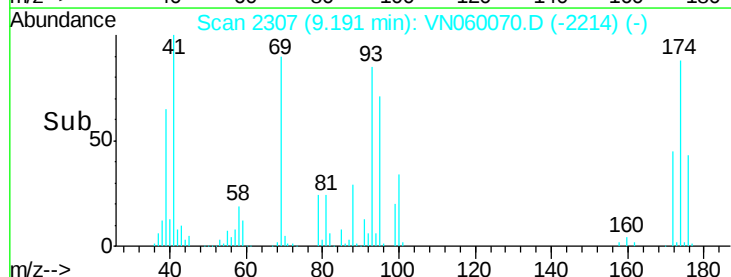
60000

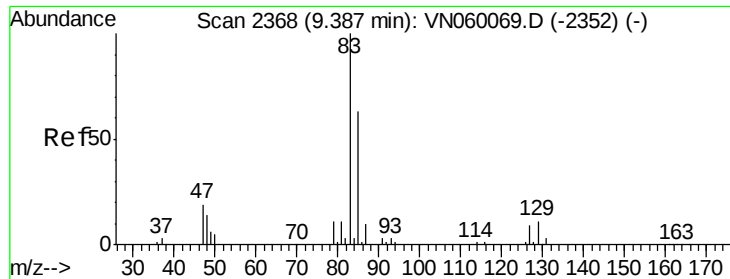
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 104.698 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

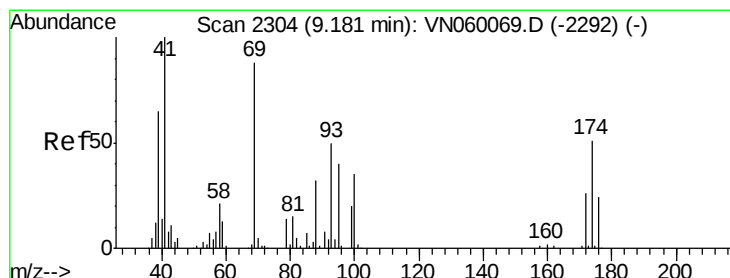
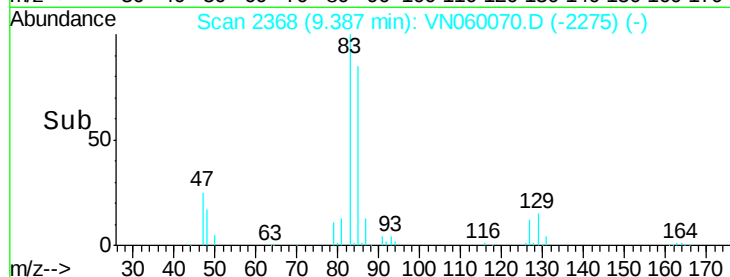
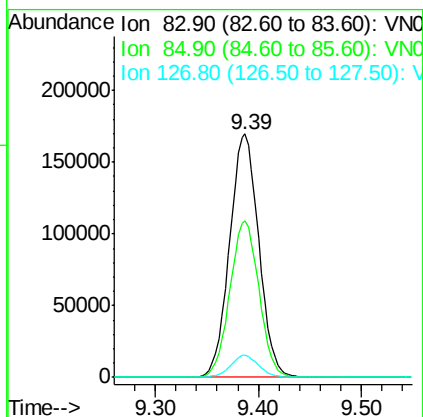
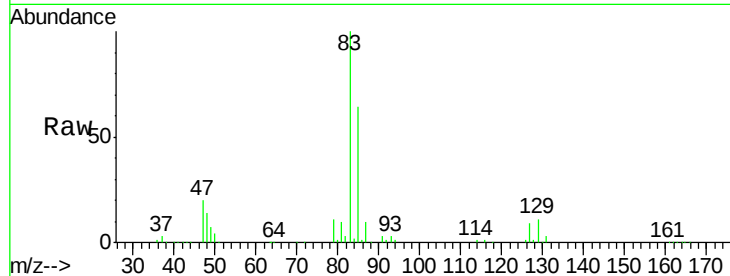
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	334354
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.6	75.8
127	9.2	7.0	10.6

Manual Integrations
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MMDadoda
2/13/2020 10:37:14 AM



#48

Methyl methacrylate

Concen: 108.719 ug/l

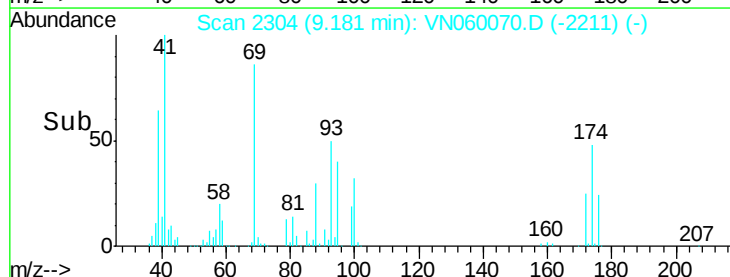
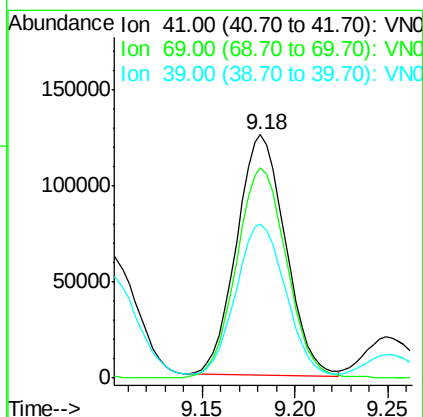
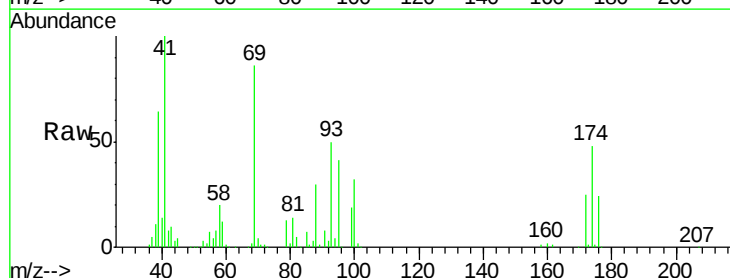
RT: 9.18 min Scan# 2304

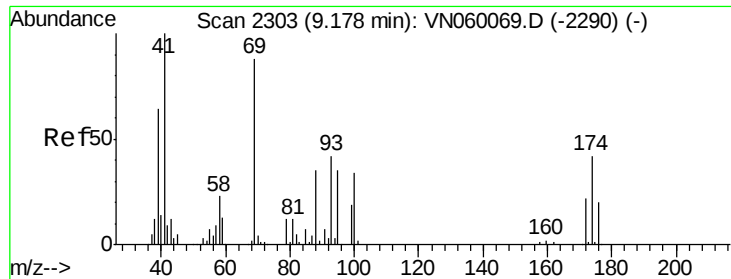
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	41	Resp:	228087
Ion Ratio	Lower	Upper	
41	100		
69	90.3	72.0	108.0
39	66.7	54.1	81.1





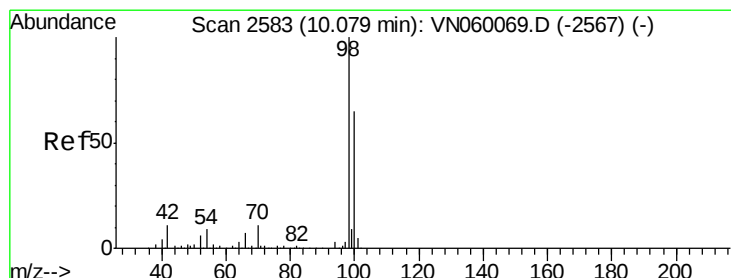
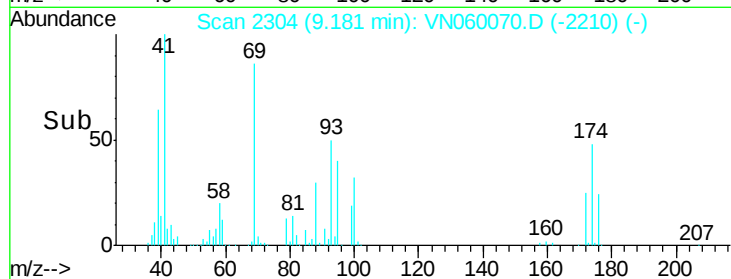
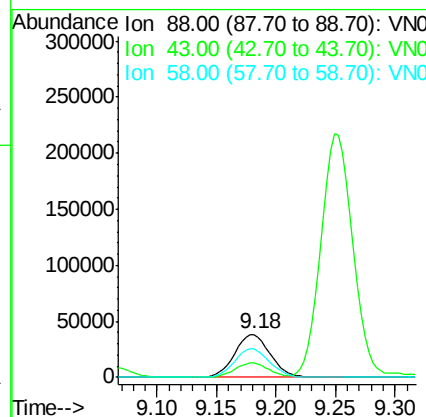
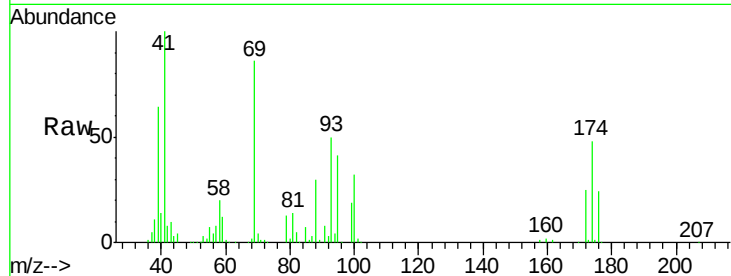
#49
1,4-Dioxane
Concen: 2212.860 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.2	39.2
58	65.2	53.2	79.8

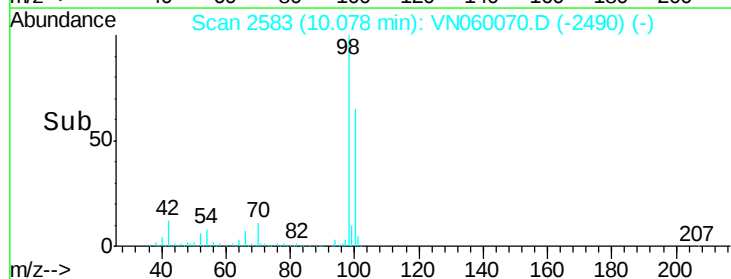
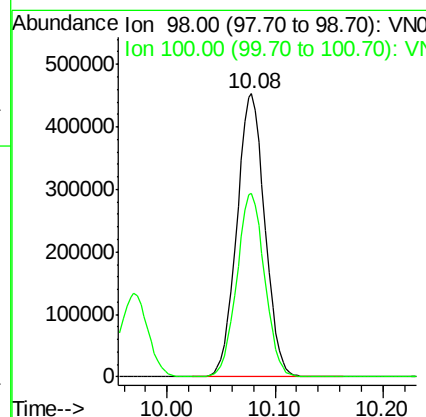
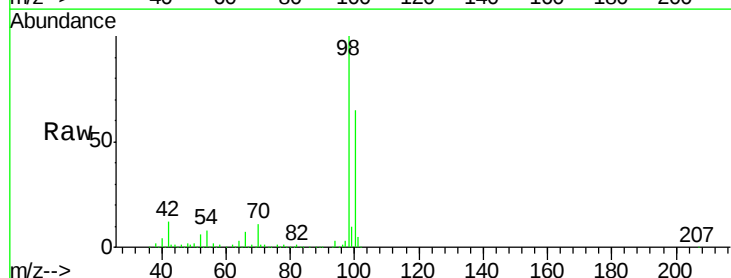
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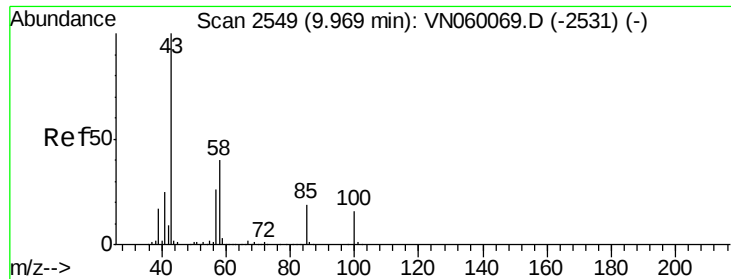
MMDadoda
2/13/2020 10:37:14 AM



#50
Toluene-d8
Concen: 103.618 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 543.562 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1471165

Ion Ratio Lower Upper

43 100

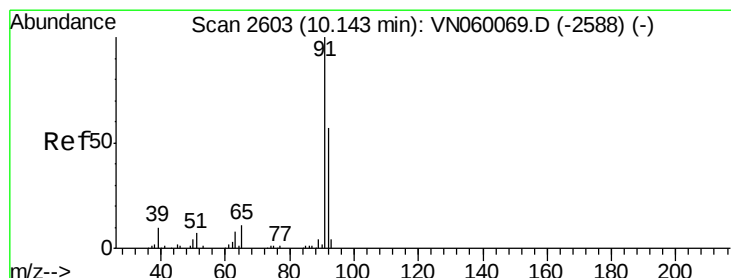
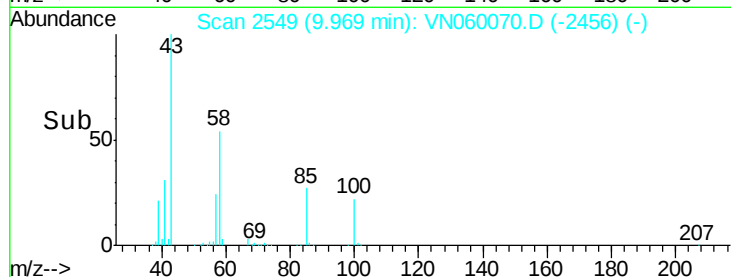
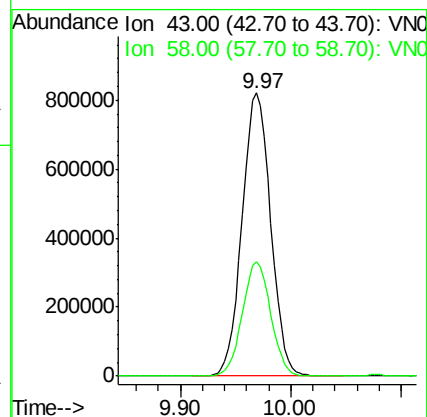
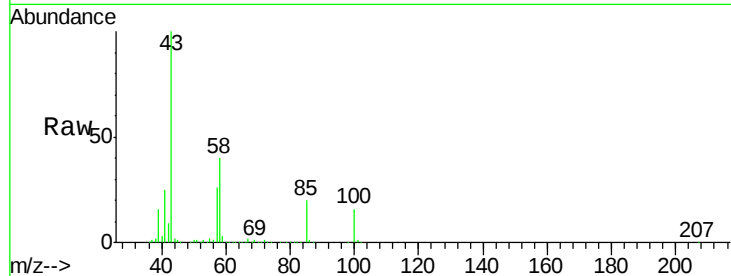
58 40.1 31.8 47.8

Manual Integrations

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MMDadoda

2/13/2020 10:37:14 AM



#52

Toluene

Concen: 103.932 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060070.D

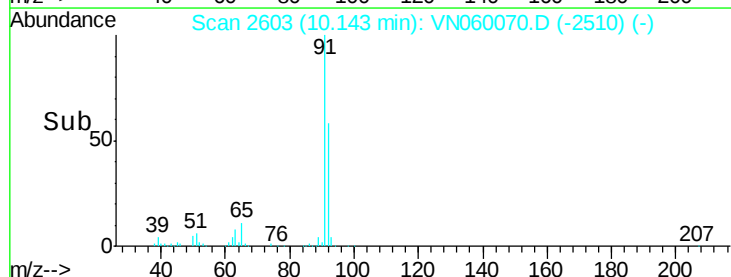
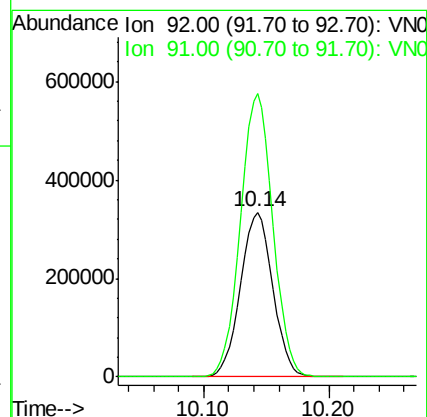
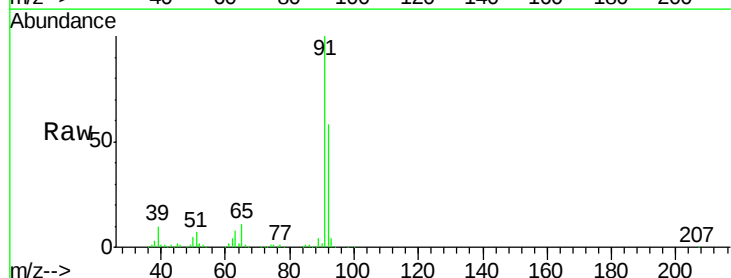
Acq: 12 Feb 2020 12:50

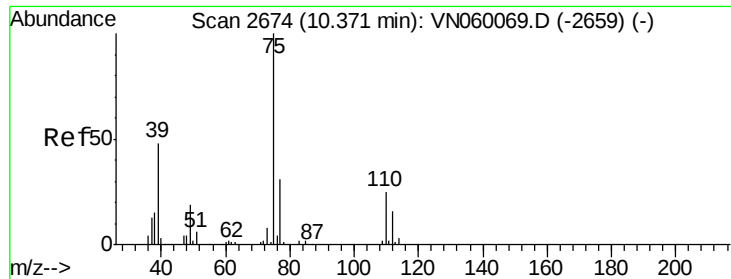
Tgt Ion: 92 Resp: 598379

Ion Ratio Lower Upper

92 100

91 172.6 140.9 211.3





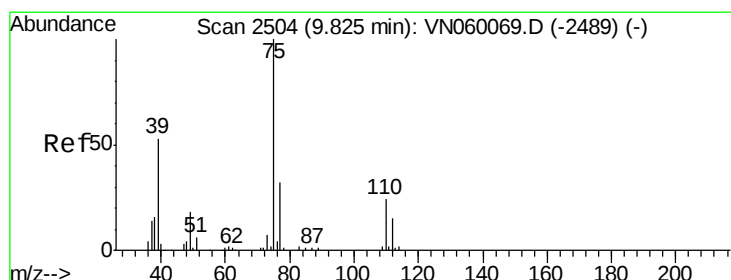
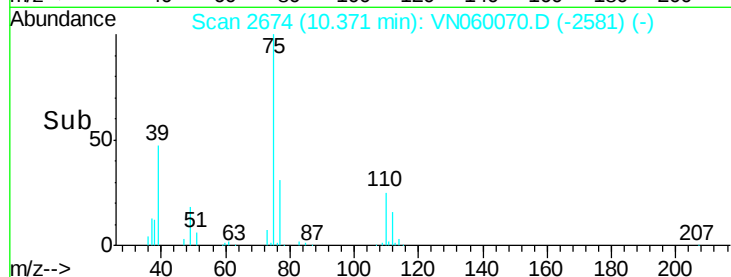
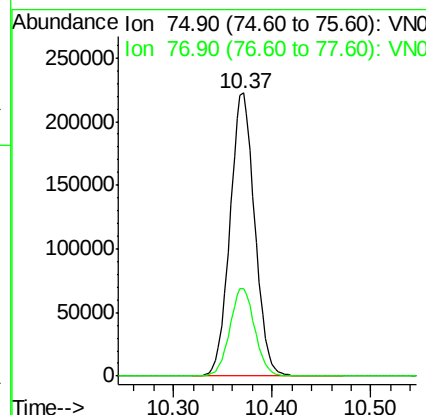
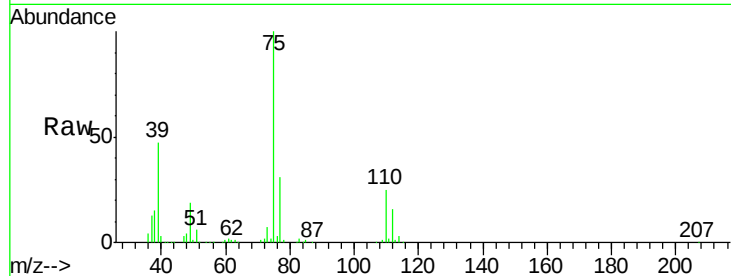
#53
t-1,3-Dichloropropene
Concen: 108.487 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0

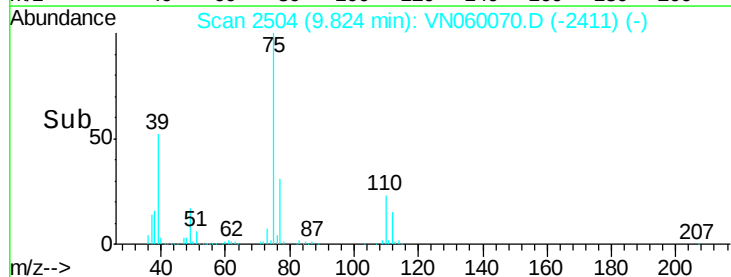
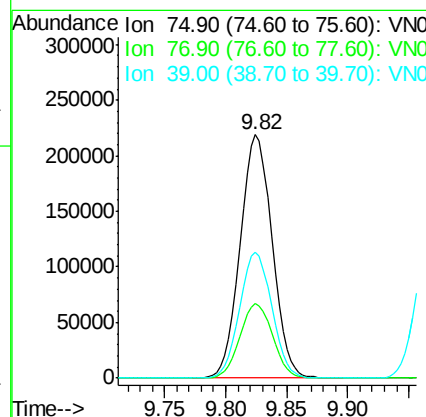
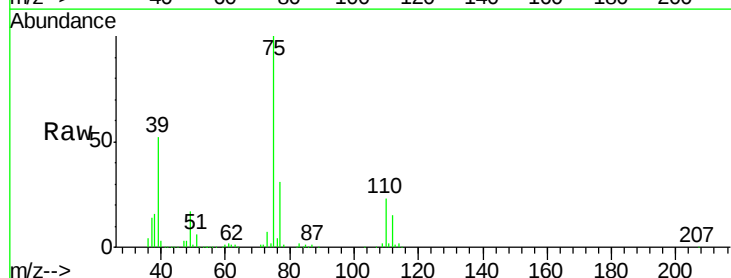
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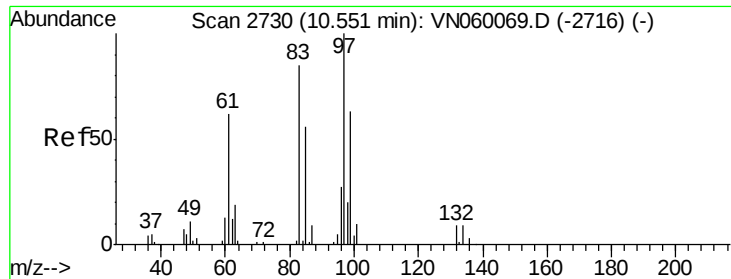
MMDadoda
2/13/2020 10:37:14 AM



#54
cis-1,3-Dichloropropene
Concen: 104.937 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	51.8	42.2	63.4





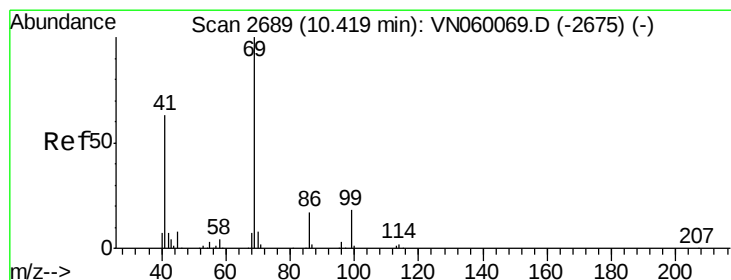
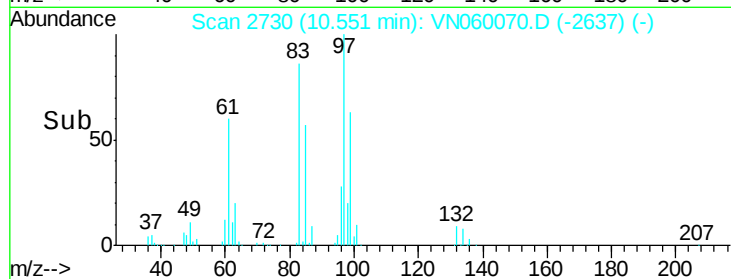
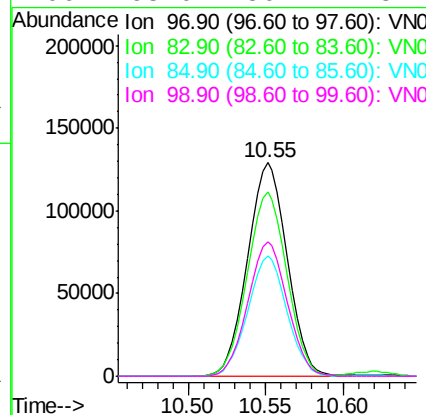
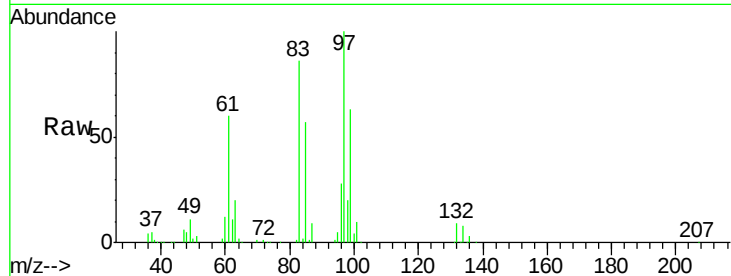
#55
 1,1,2-Trichloroethane
 Concen: 102.706 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	230691
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.9	101.9
85	56.6	44.6	67.0
99	63.0	50.1	75.1

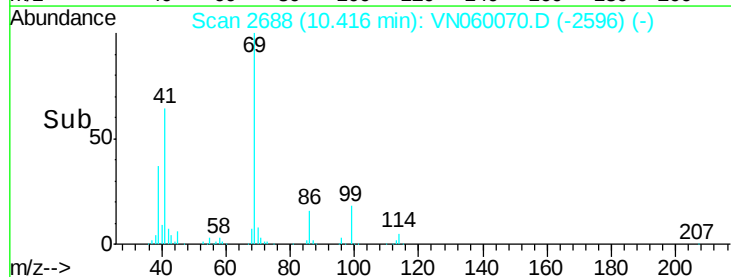
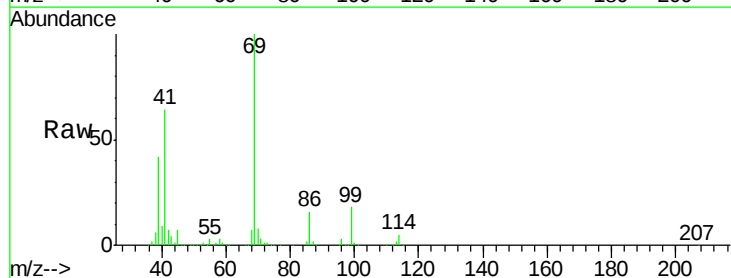
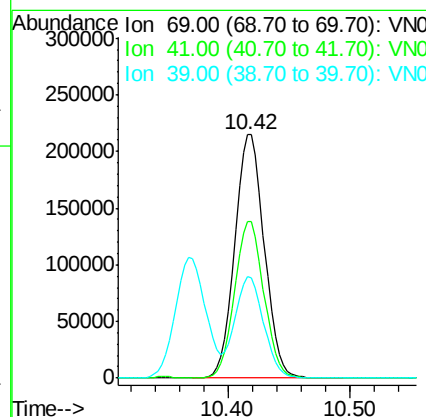
Manual Integrations
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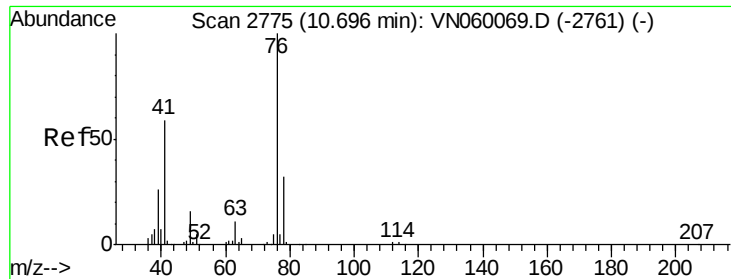
MMDadoda
 2/13/2020 10:37:14 AM



#56
 Ethyl methacrylate
 Concen: 113.682 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion:	69	Resp:	361215
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.1	76.7
39	40.9	33.8	50.8





#57

1,3-Dichloropropane

Concen: 101.805 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 377315

Ion Ratio Lower Upper

76 100

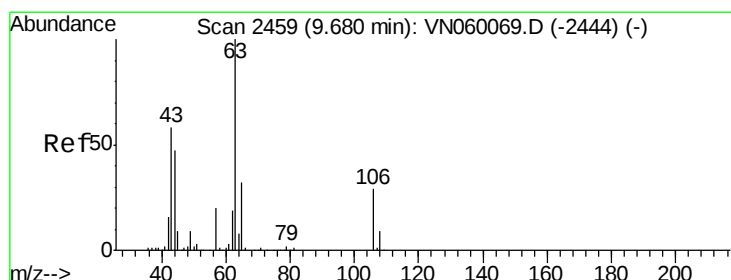
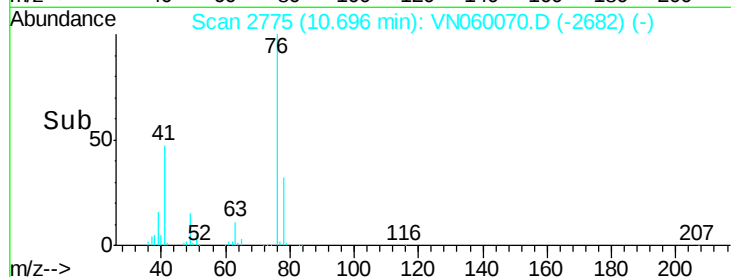
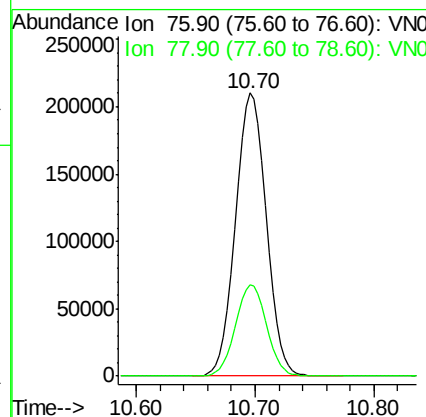
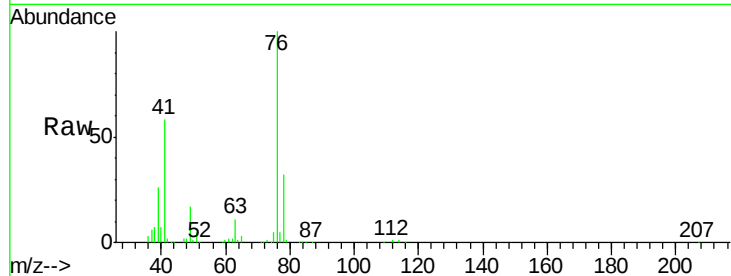
78 32.6 25.7 38.5

Manual Integrations

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MMDadoda

2/13/2020 10:37:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 566.152 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060070.D

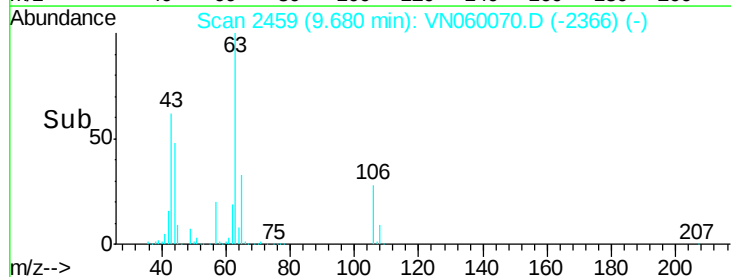
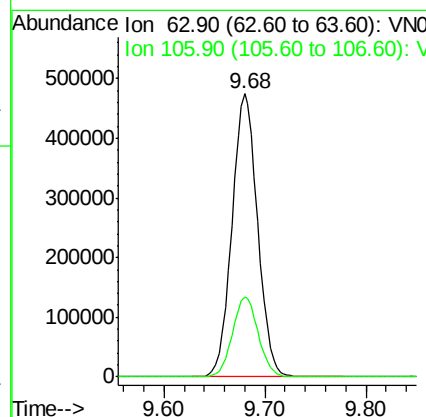
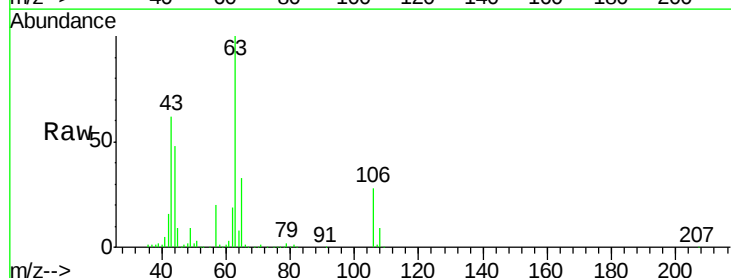
Acq: 12 Feb 2020 12:50

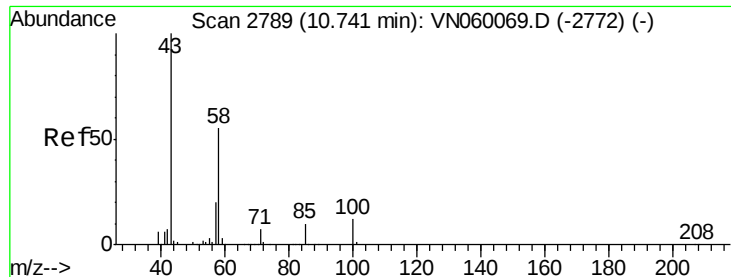
Tgt Ion: 63 Resp: 838054

Ion Ratio Lower Upper

63 100

106 28.4 22.9 34.3





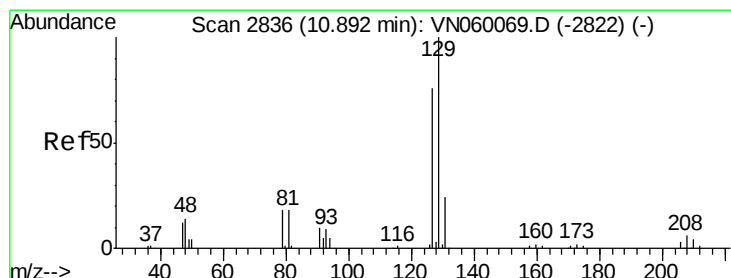
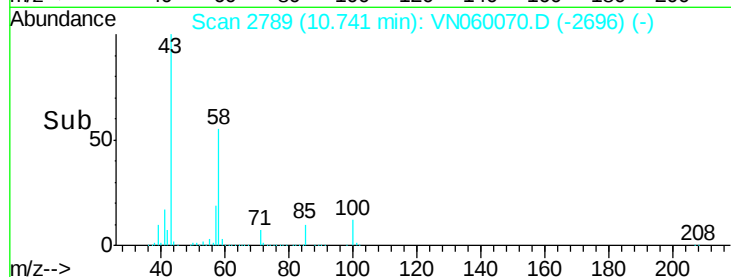
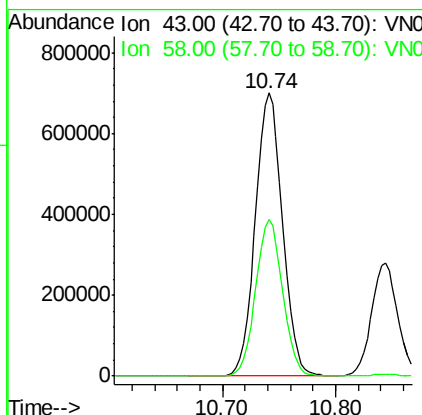
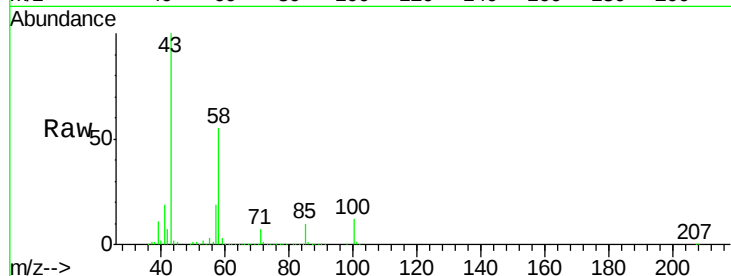
#59
2-Hexanone
Concen: 557.967 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1166555
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4

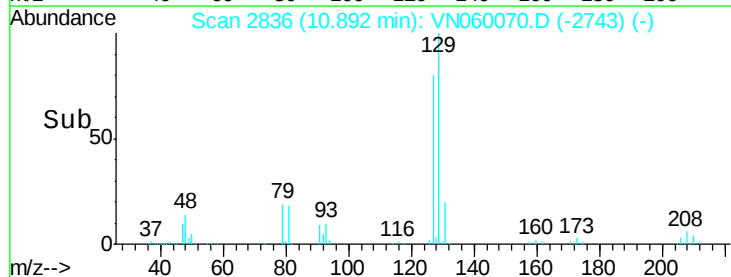
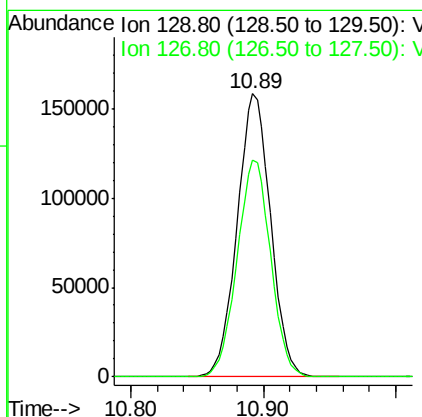
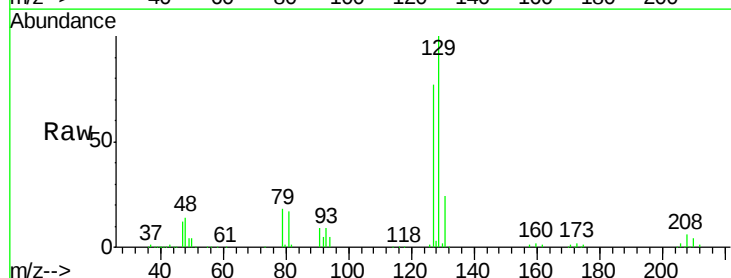
Manual Integrations
APPROVED

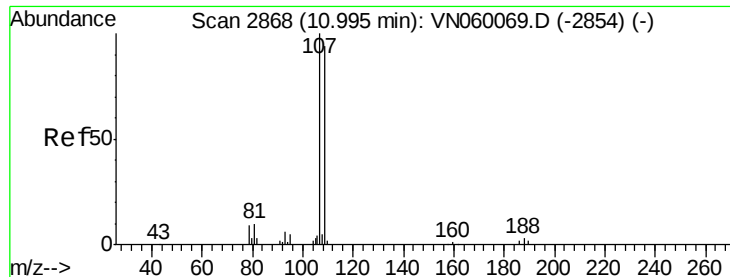
MMDadoda
2/13/2020 10:37:14 AM



#60
Dibromochloromethane
Concen: 107.418 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion: 129 Resp: 276873
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.1





#61

1,2-Dibromoethane

Concen: 106.470 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 250692

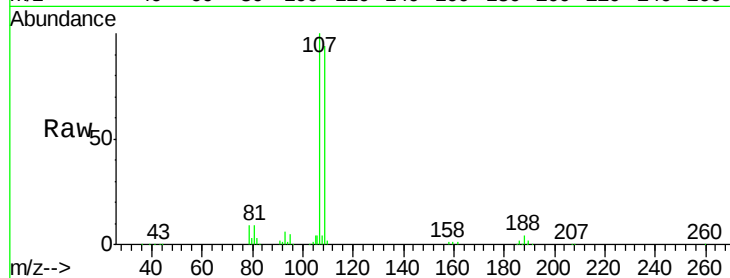
Ion Ratio Lower Upper

107 100

109 94.2 75.4 113.0

Manual Integrations
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2/13/2020 10:37:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

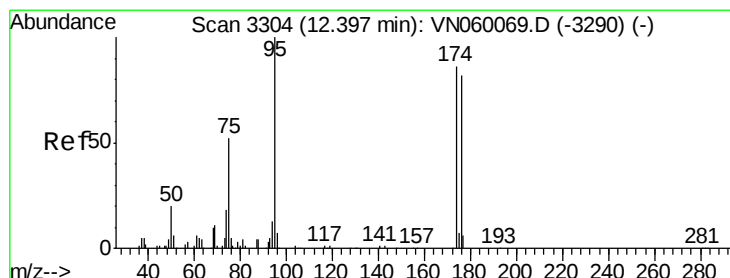
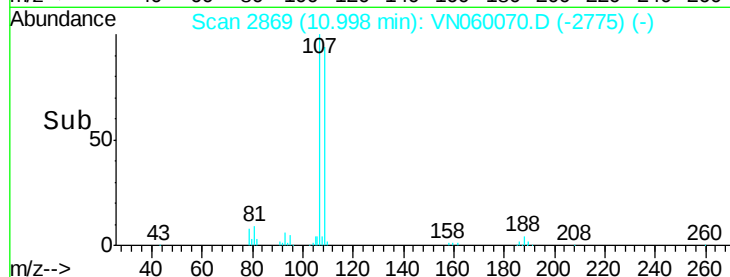
150000

100000

50000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 107.171 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

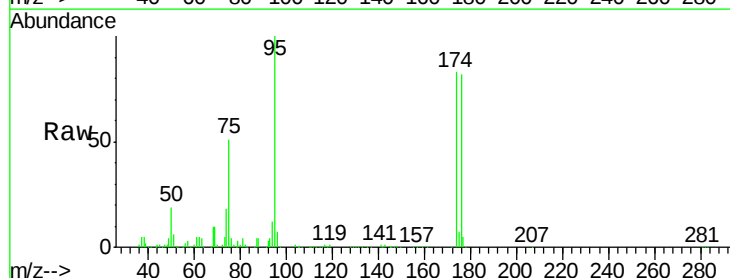
Tgt Ion: 95 Resp: 311498

Ion Ratio Lower Upper

95 100

174 83.2 0.0 169.8

176 81.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

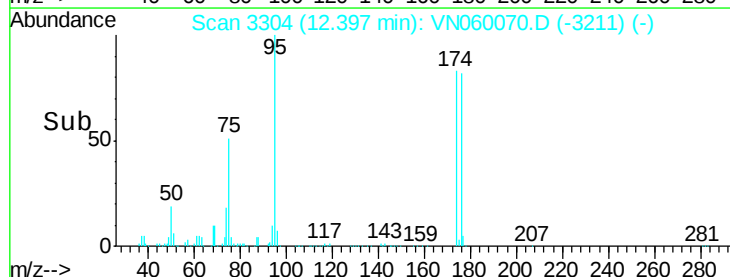
150000

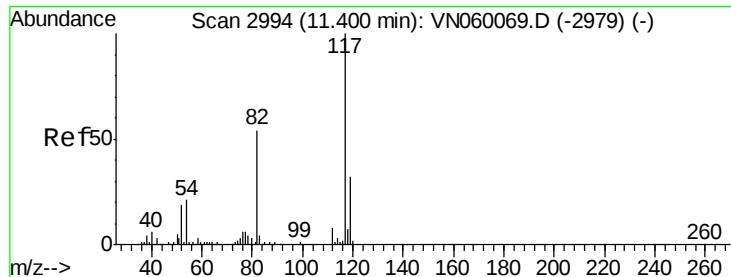
100000

50000

0

Time--> 12.30 12.35 12.40 12.45





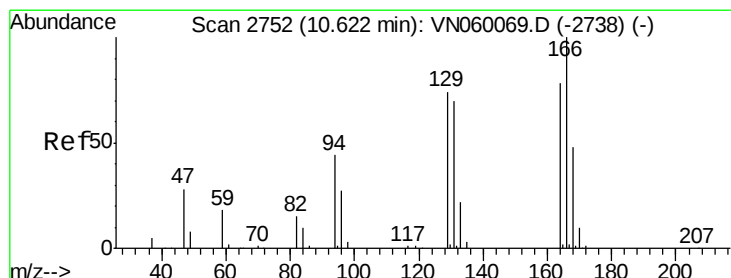
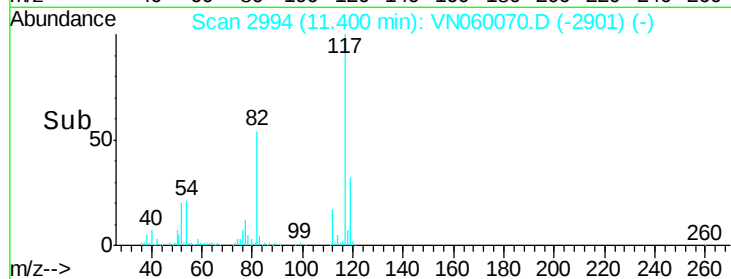
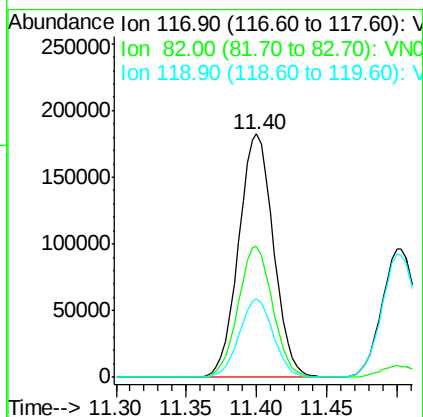
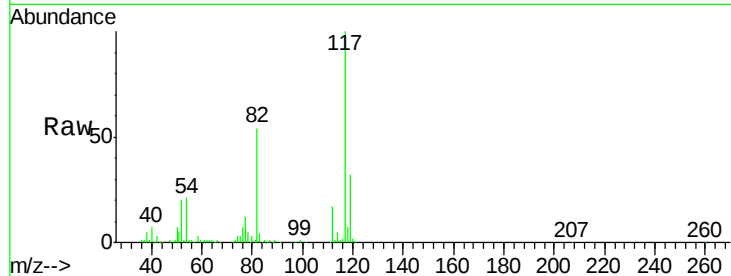
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	32.3	25.8	38.6

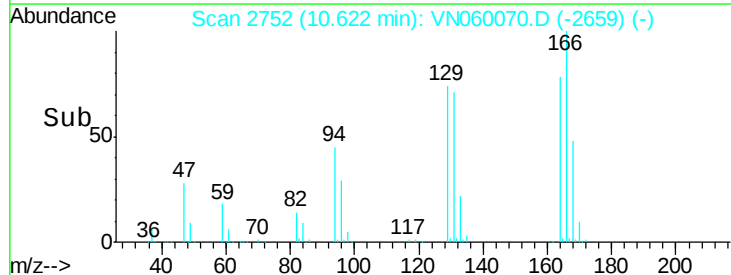
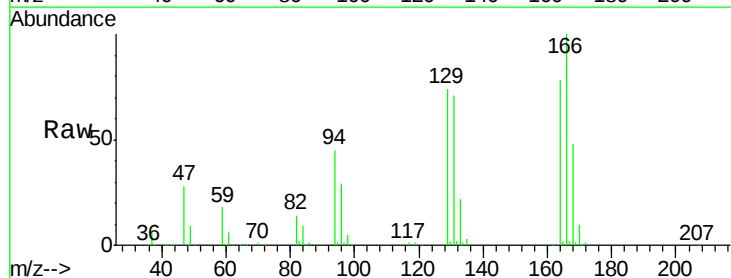
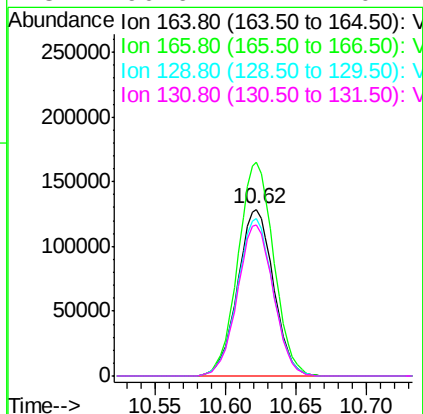
Manual Integrations
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MMDadoda
2/13/2020 10:37:14 AM



#64
Tetrachloroethene
Concen: 95.658 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.9	152.9
129	94.4	75.4	113.0
131	90.6	71.4	107.2





#65

Chlorobenzene

Concen: 100.032 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 643073

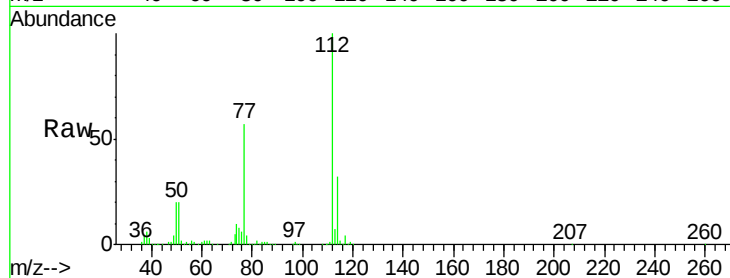
Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0

Manual Integrations
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2/13/2020 10:37:14 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

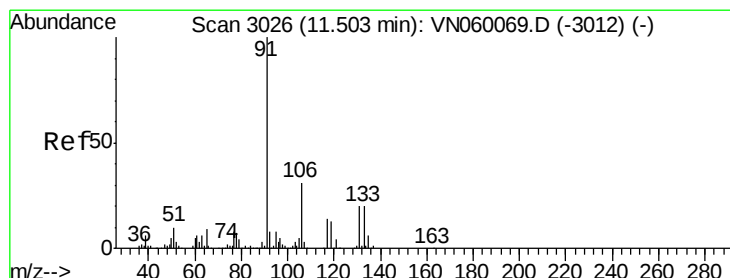
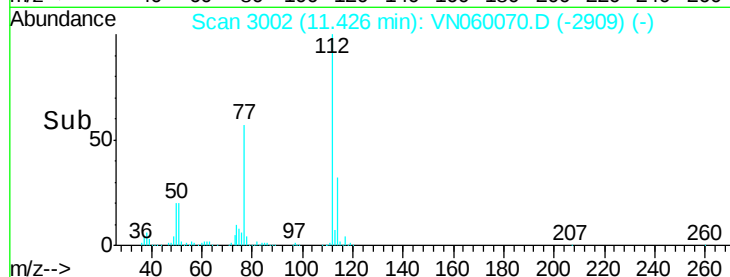
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 101.744 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

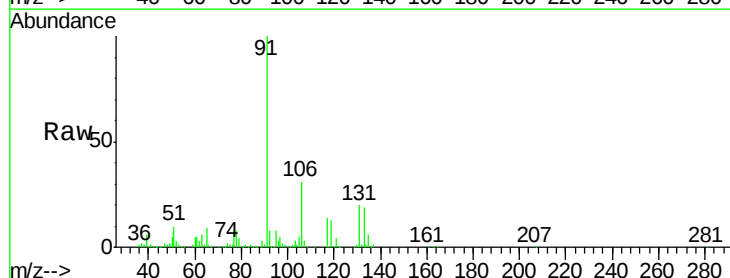
Tgt Ion:131 Resp: 247435

Ion Ratio Lower Upper

131 100

133 95.4 47.9 143.7

119 65.4 32.6 97.7



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

11.50

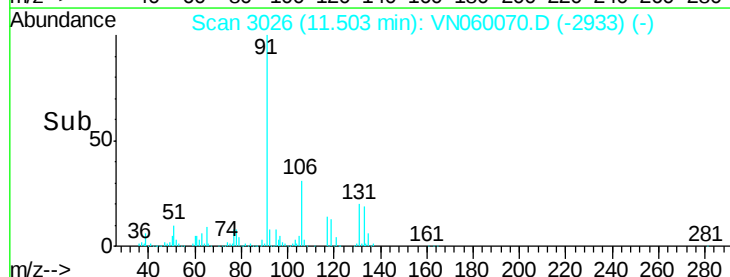
150000

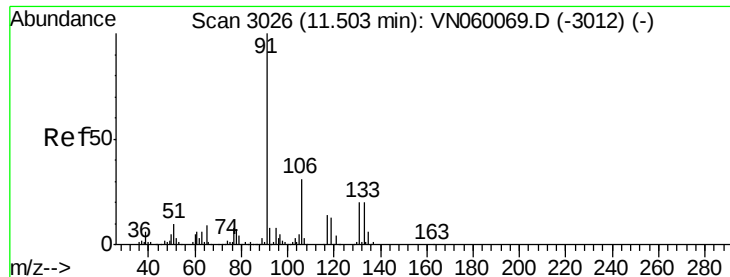
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 101.378 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1175435

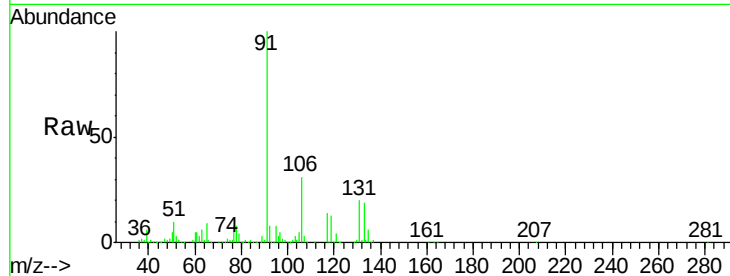
Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN060069.D (-3012) (-)

1000000

800000

600000

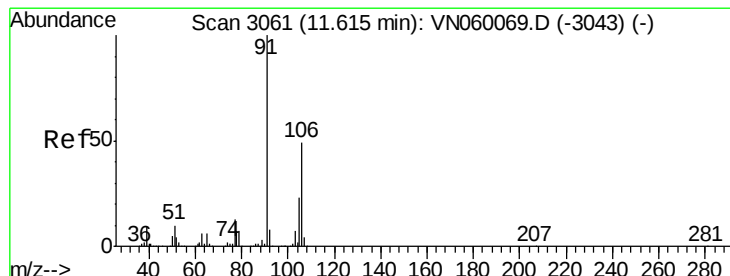
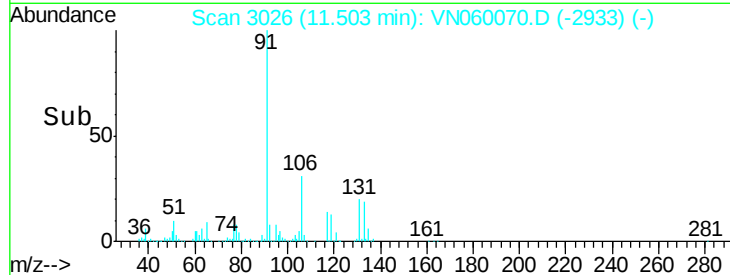
400000

200000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 204.632 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060070.D

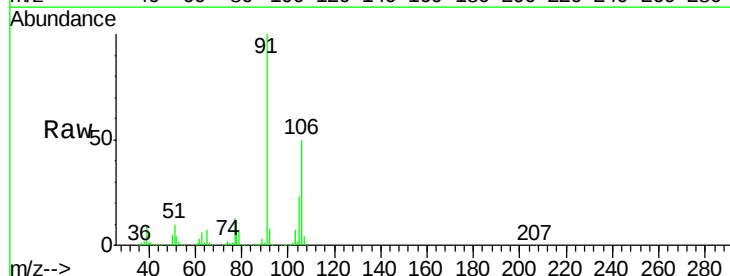
Acq: 12 Feb 2020 12:50

Tgt Ion: 106 Resp: 890483

Ion Ratio Lower Upper

106 100

91 202.6 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060069.D (-3043) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-3043) (-)

1000000

800000

600000

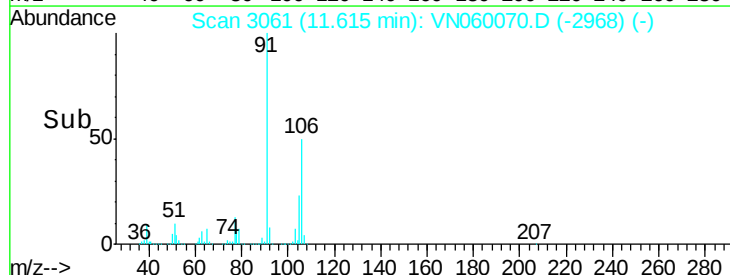
400000

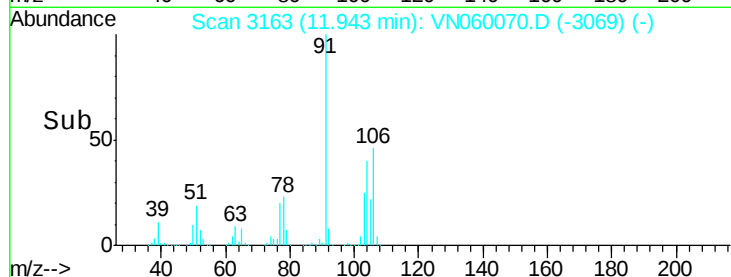
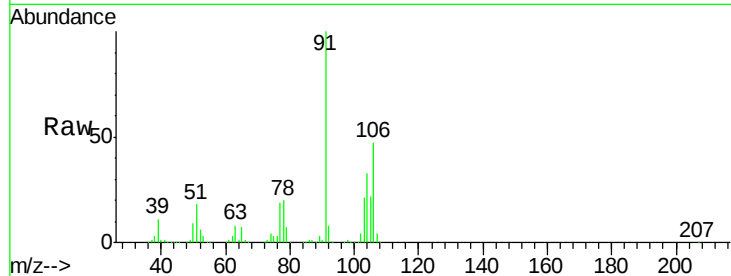
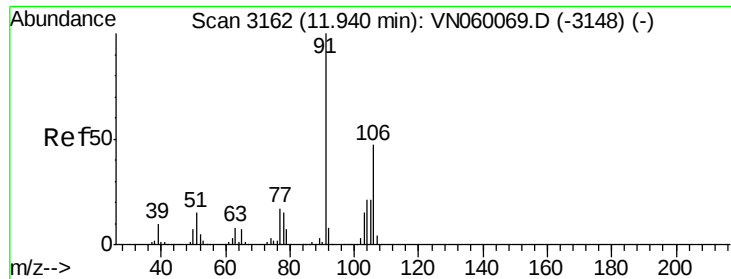
200000

0

11.50 11.60 11.70

Time-->





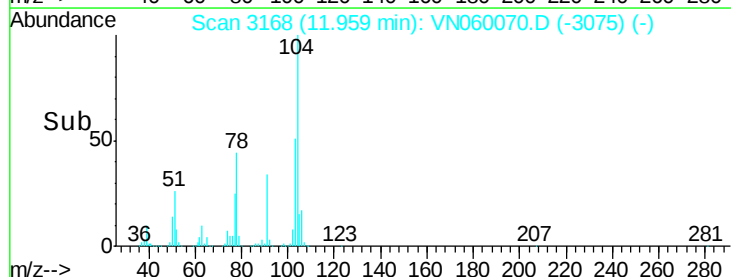
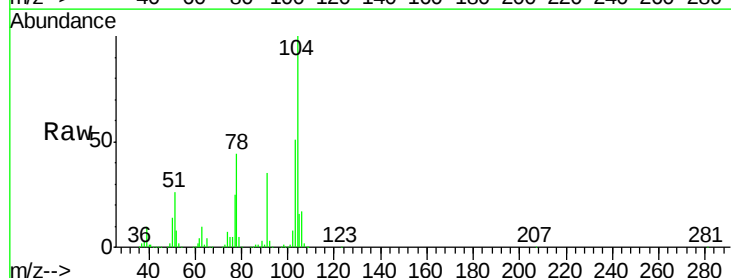
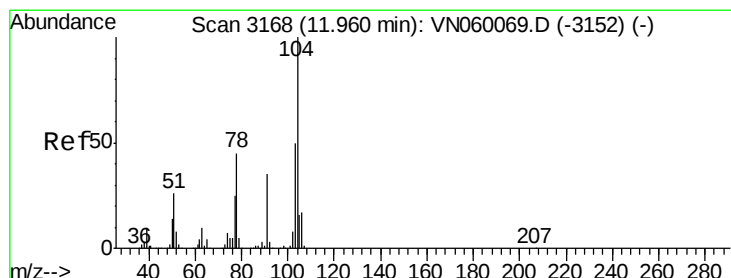
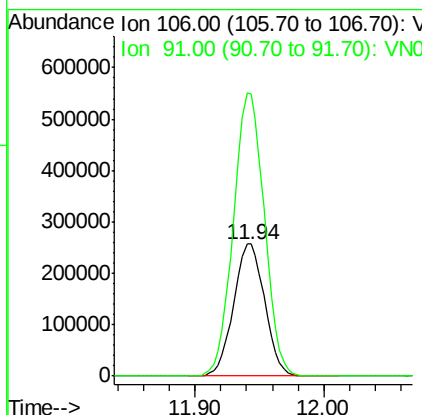
#69
o-Xylene
Concen: 102.744 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tot Ion:106 Resp: 430490
Ion Ratio Lower Upper
106 100
91 213.0 107.2 321.6

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

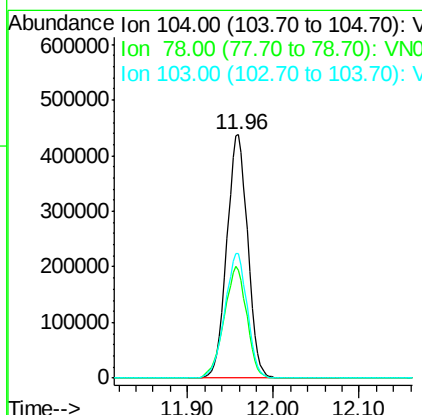
Manual Integrations
APPROVED

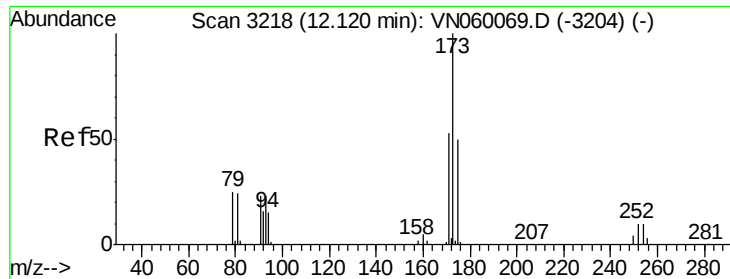
MMDadoda
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#70
Styrene
Concen: 109.415 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion:104 Resp: 739268
Ion Ratio Lower Upper
104 100
78 49.5 40.2 60.2
103 55.1 44.3 66.5





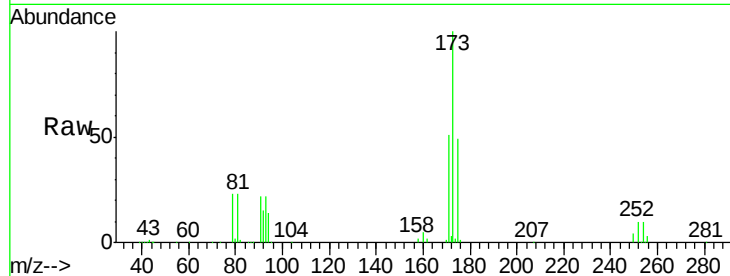
#71
Bromoform
Concen: 109.839 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

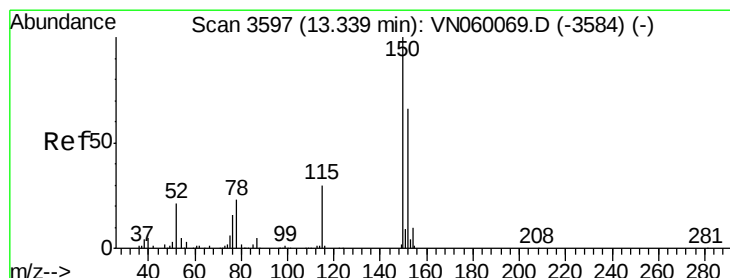
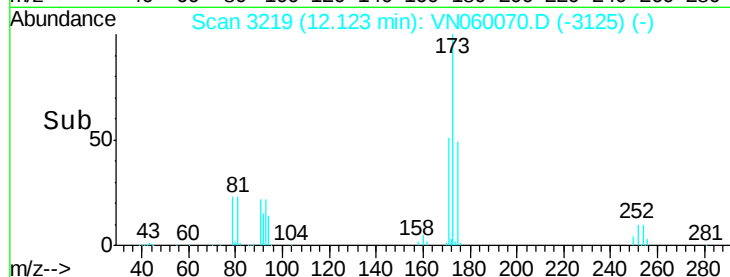
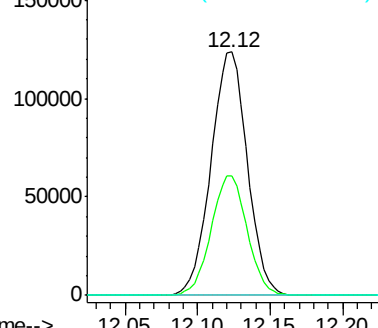
Tot Ion	Ratio	Resp	Lower	Upper
173	100	214848		
175	48.8	24.9	74.6	
254	0.1	0.0	0.0#	

Manual Integrations
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2/13/2020 10:37:14 AM

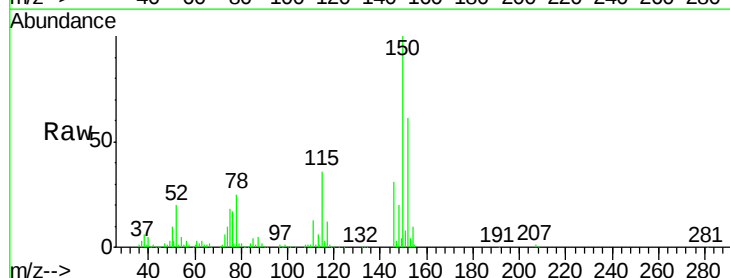


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

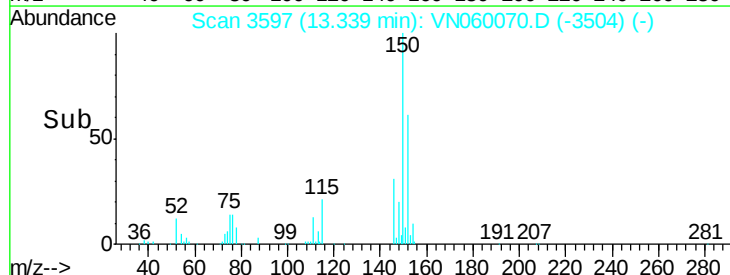
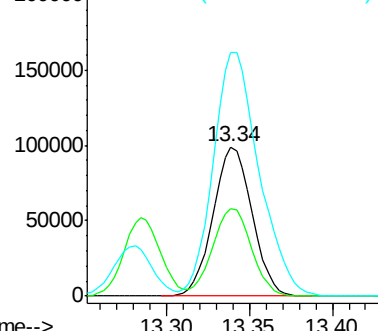


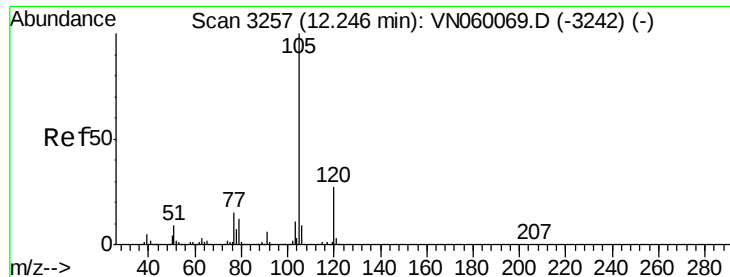
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	161785		
115	58.8	28.9	86.8	
150	192.0	0.0	342.4	



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: 97.224 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1174586

Ion Ratio Lower Upper

105 100

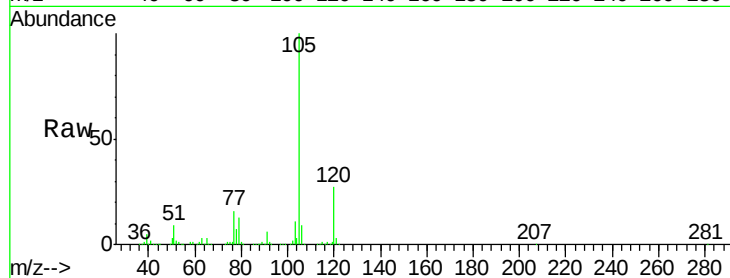
120 26.7 13.3 39.8

Manual Integrations

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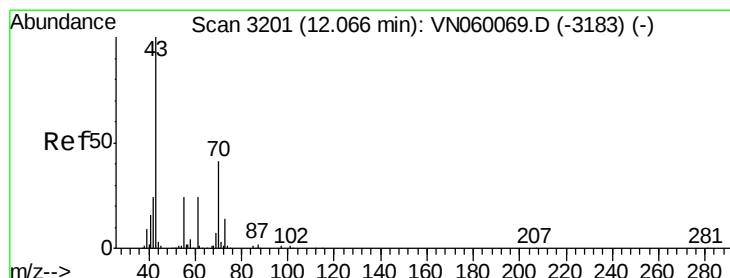
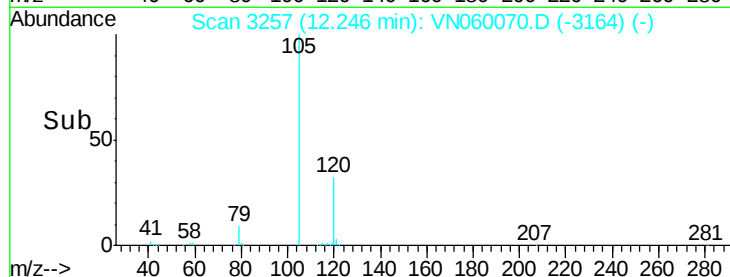
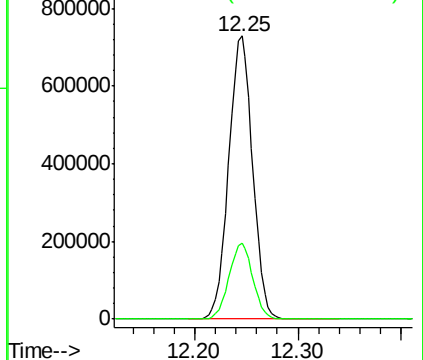
MMDadoda

2/13/2020 10:37:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 107.288 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion: 43 Resp: 467397

Ion Ratio Lower Upper

43 100

70 42.9 33.4 50.0

55 23.6 18.8 28.2

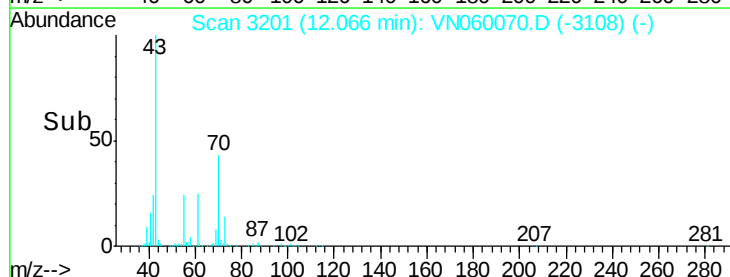
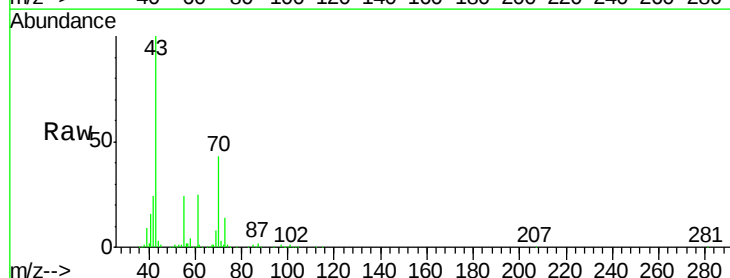
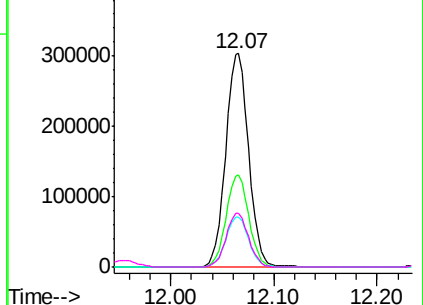
61 24.9 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 100.645 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

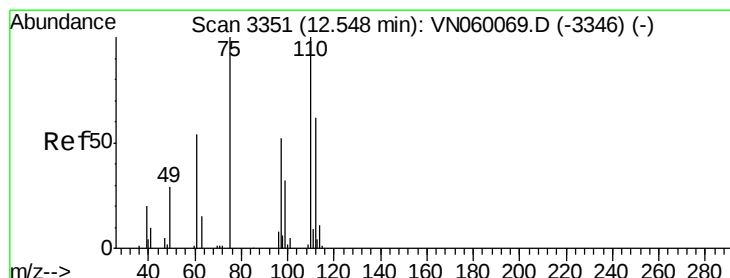
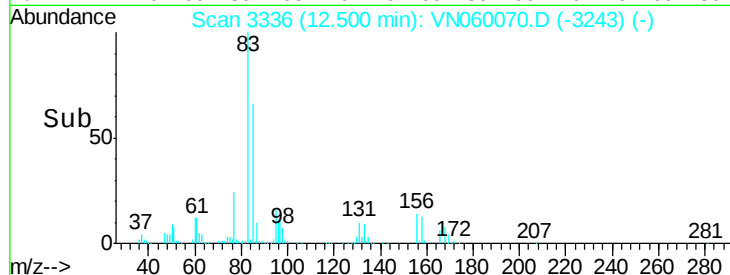
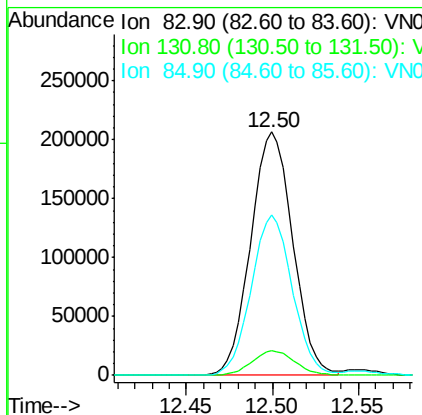
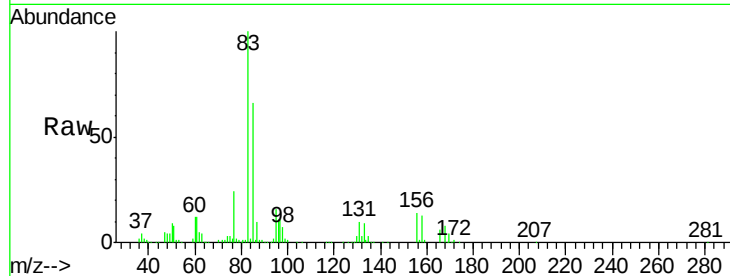
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	349982
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.4	32.3	96.9

Manual Integrations
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2/13/2020 10:37:14 AM



#76

1,2,3-Trichloropropane

Concen: 73.106 ug/l m

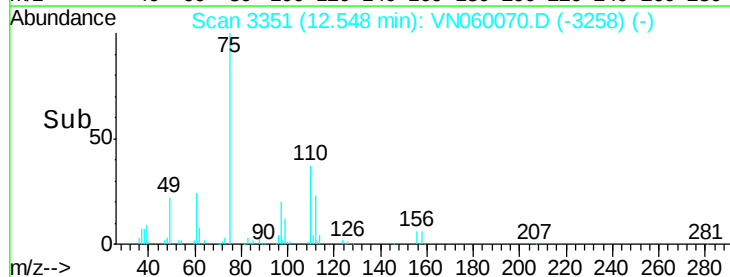
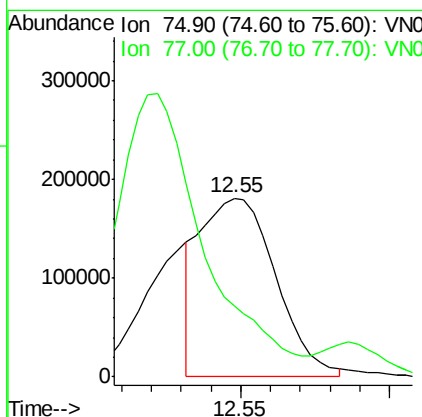
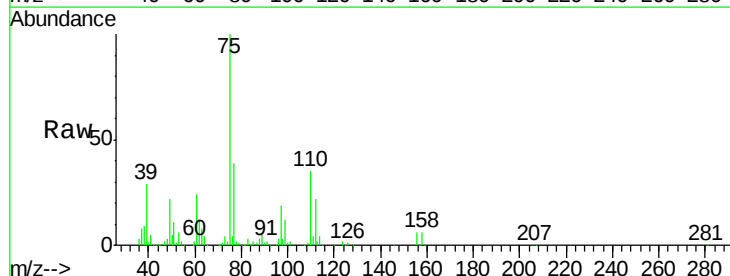
RT: 12.55 min Scan# 3351

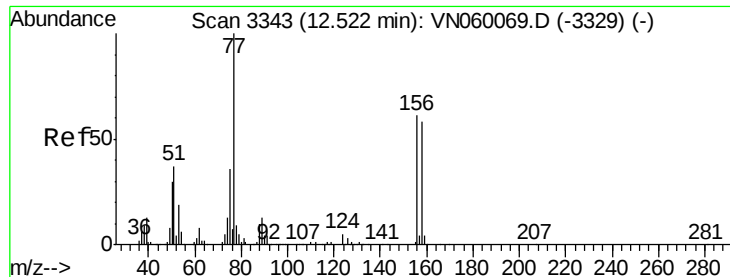
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	75	Resp:	318756
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 98.481 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

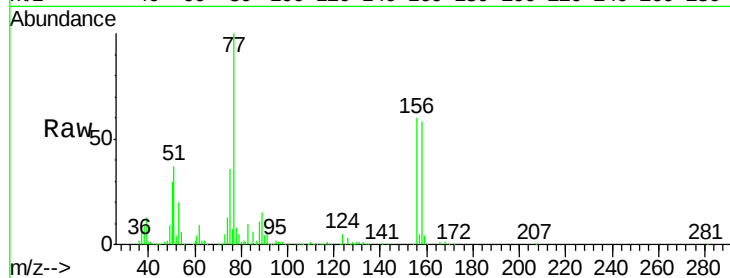
ClientSampleId :

VSTDIC100

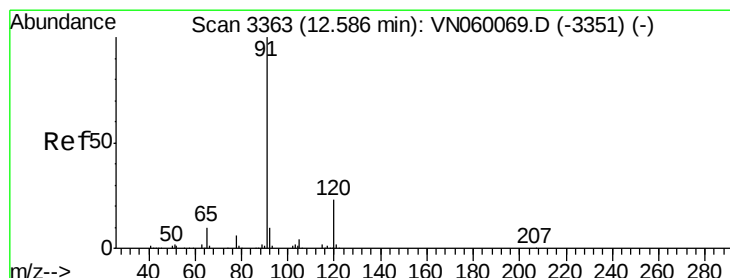
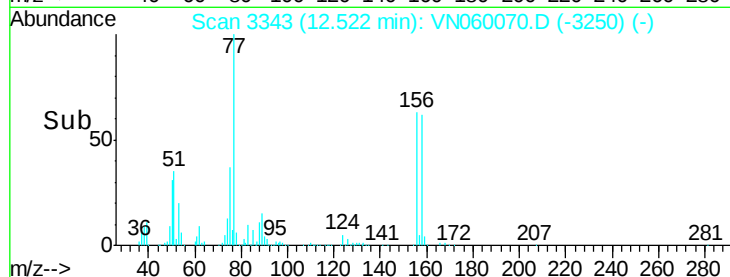
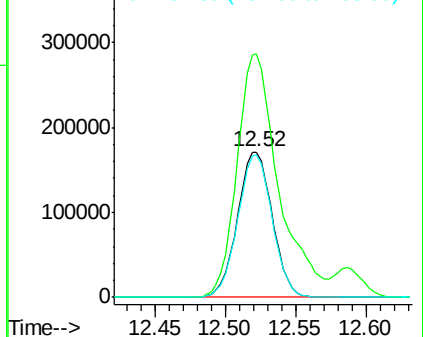
Tot Ion:	156	Resp:	295266
Ion Ratio	Lower	Upper	
156	100		
77	199.8	98.7	296.1
158	97.0	48.1	144.4

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 98.742 ug/l

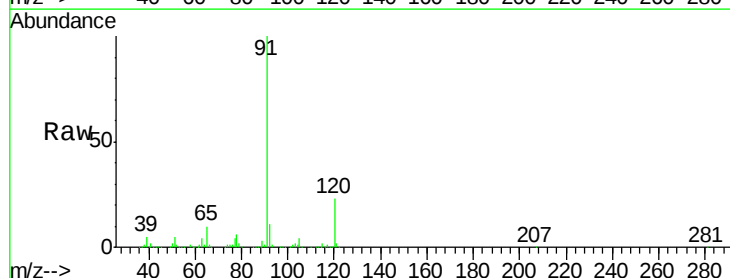
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

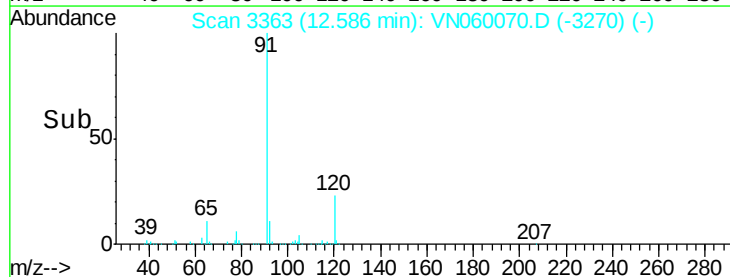
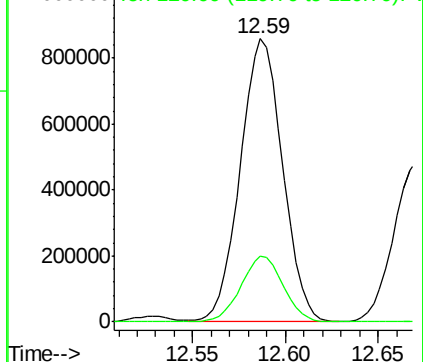
Lab File: VN060070.D

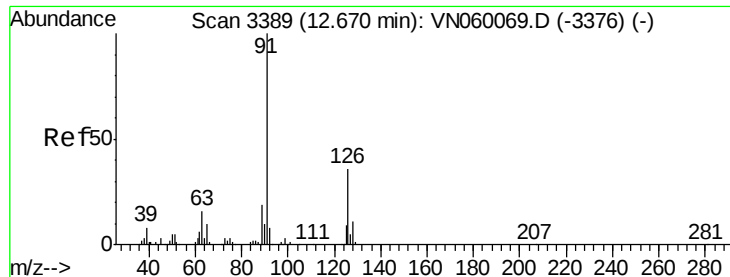
Acq: 12 Feb 2020 12:50

Tgt Ion:	91	Resp:	1359137
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 97.098 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 785565

Ion Ratio Lower Upper

91 100

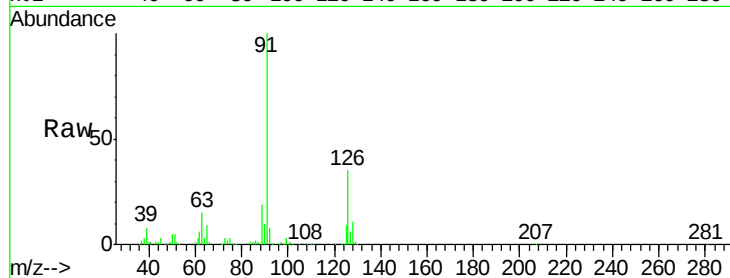
126 34.9 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

800000

600000

400000

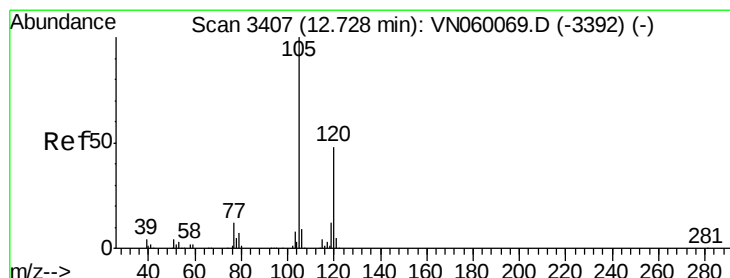
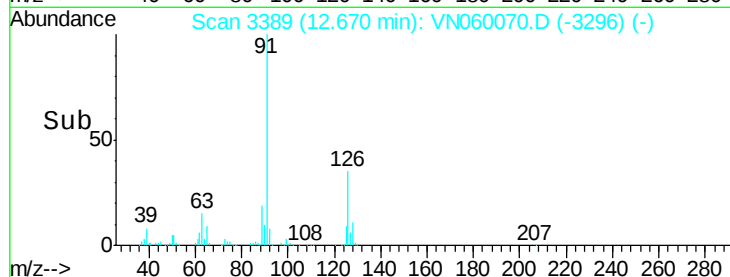
200000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 98.690 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060070.D

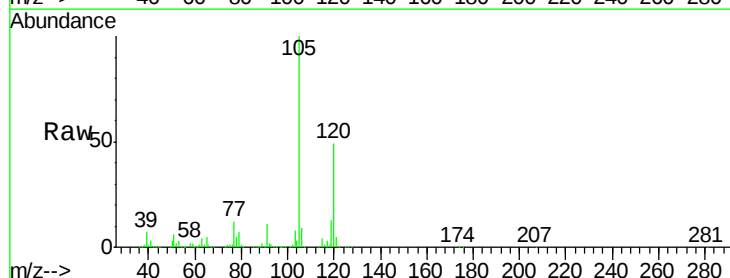
Acq: 12 Feb 2020 12:50

Tgt Ion: 105 Resp: 991342

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

600000

400000

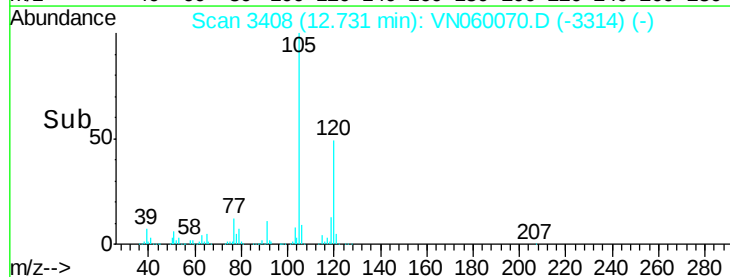
200000

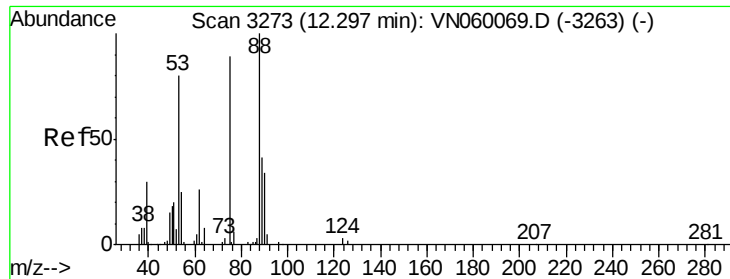
0

12.70 12.75 12.80

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 105.764 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

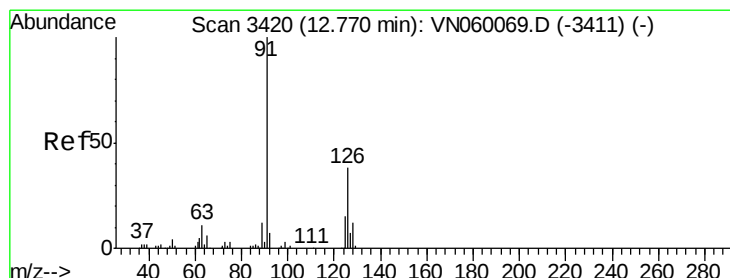
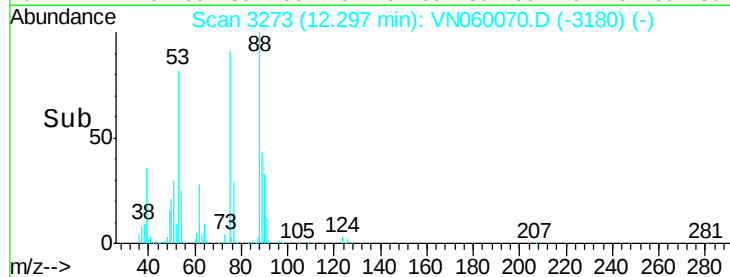
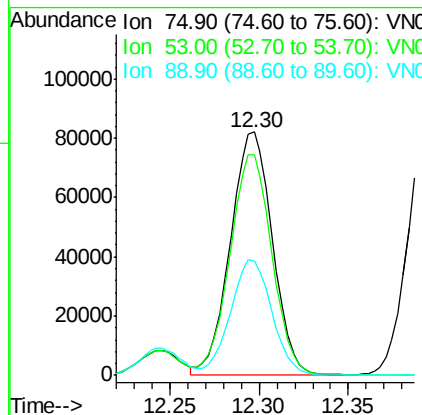
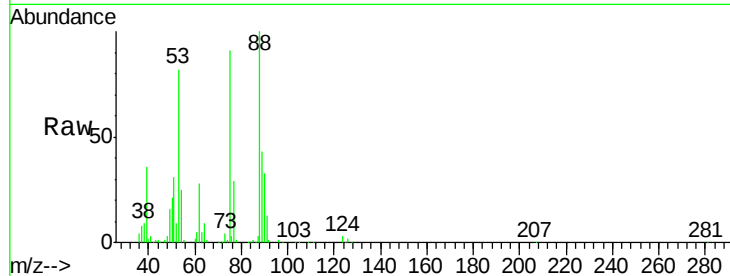
ClientSampled :

VSTDIC100

Tot Ion:	75	Resp:	133703
Ion Ratio	Lower	Upper	
75	100		
53	92.0	73.9	110.9
89	47.4	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 99.582 ug/l

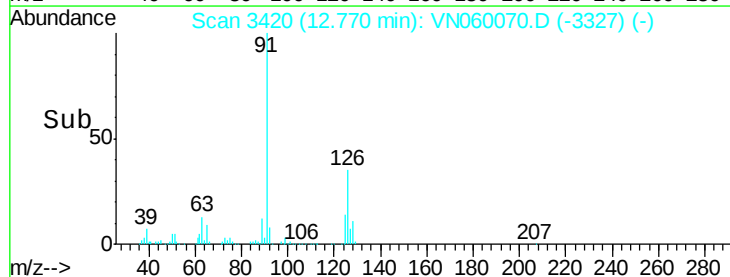
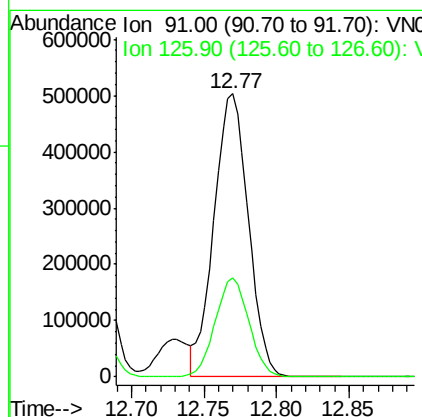
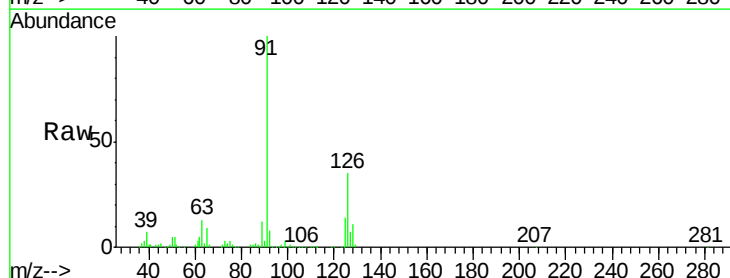
RT: 12.77 min Scan# 3420

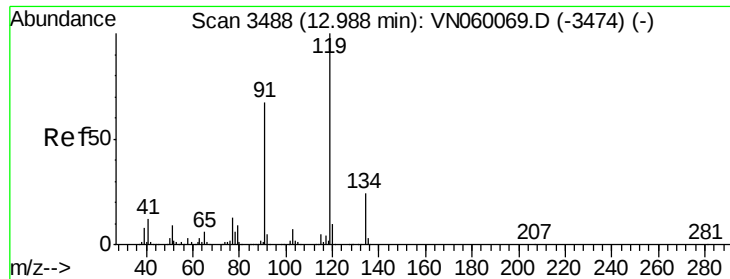
Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	91	Resp:	826573
Ion Ratio	Lower	Upper	
91	100		
126	34.3	17.1	51.3





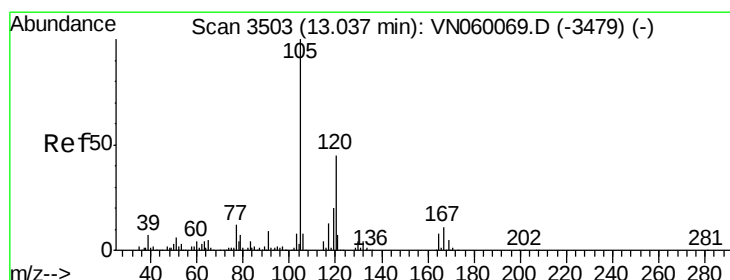
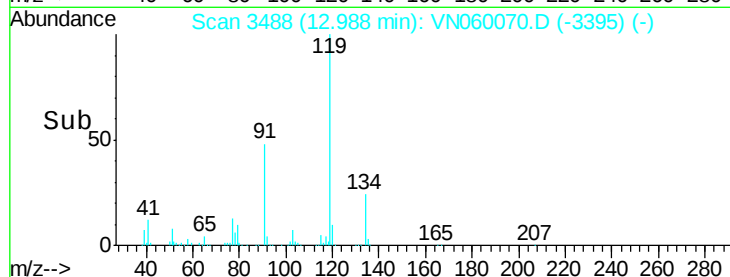
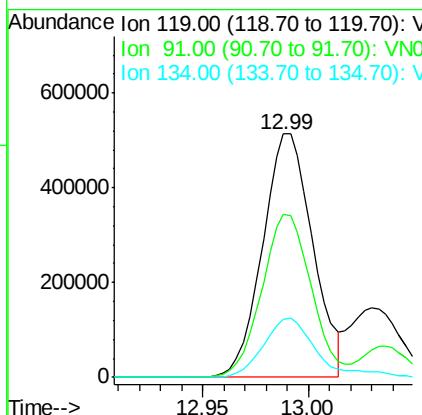
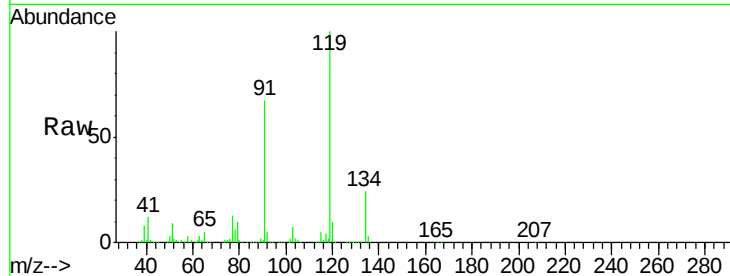
#83
tert-Butylbenzene
Concen: 95.393 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.0	32.7	98.1
134	25.8	12.9	38.7

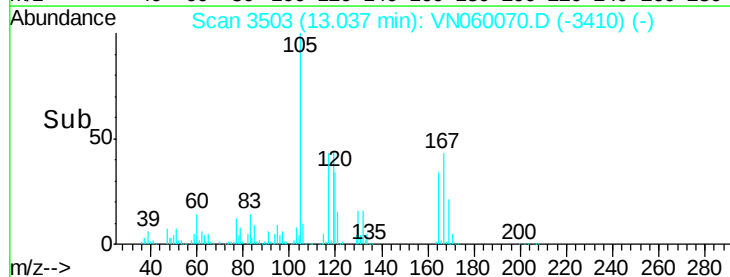
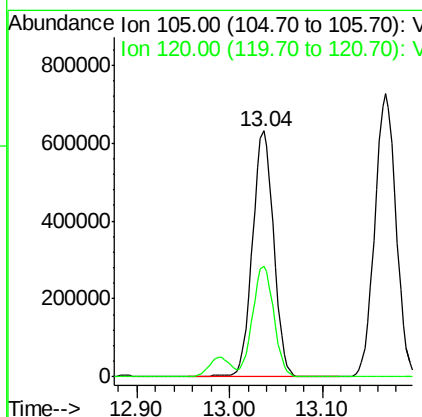
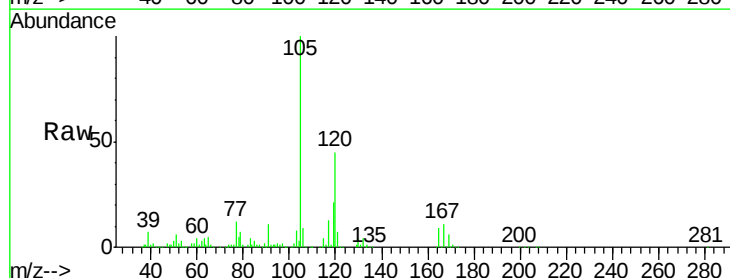
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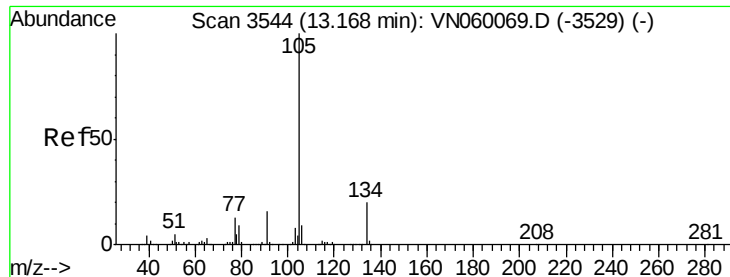
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#84
1,2,4-Trimethylbenzene
Concen: 100.925 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 97.946 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1152647

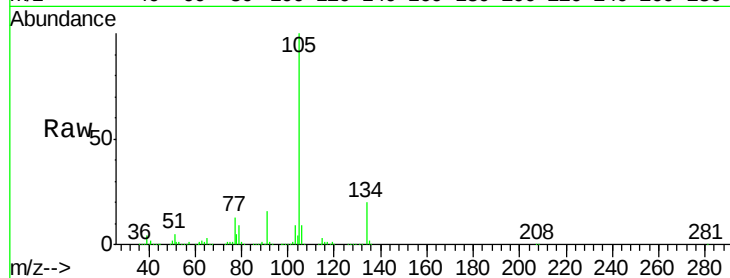
Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7

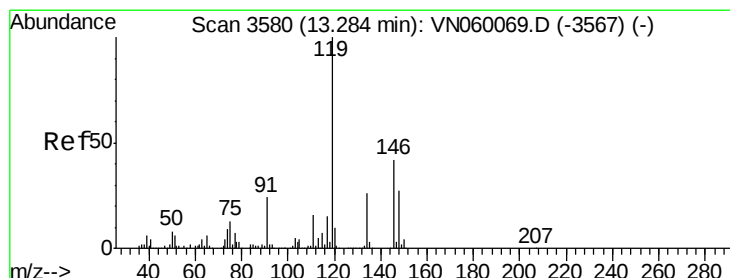
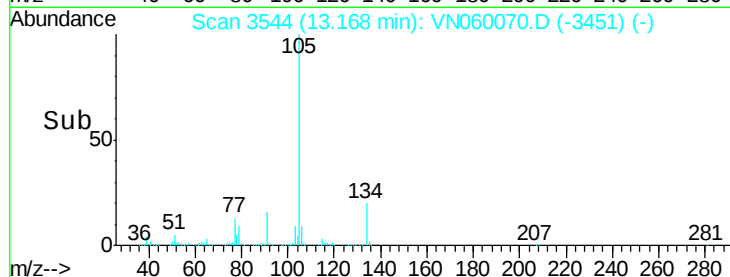
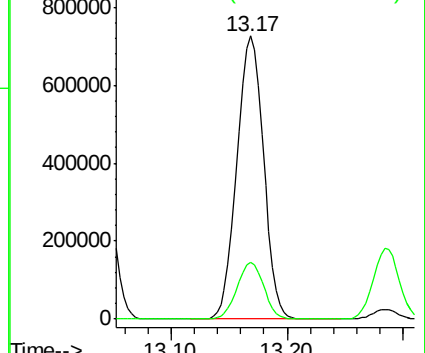
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 100.391 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

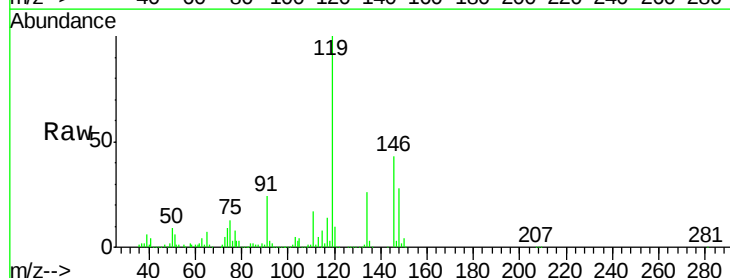
Tgt Ion:119 Resp: 1070407

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

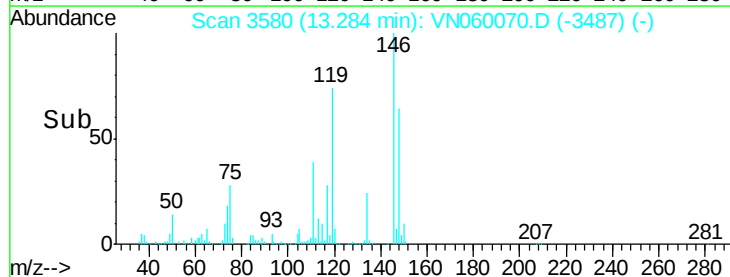
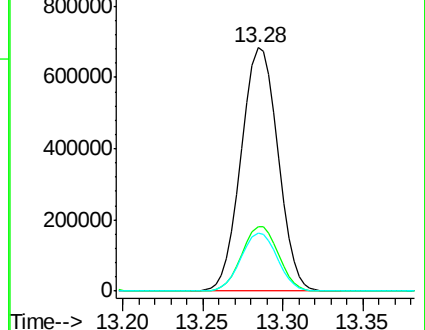
91 23.7 11.9 35.9

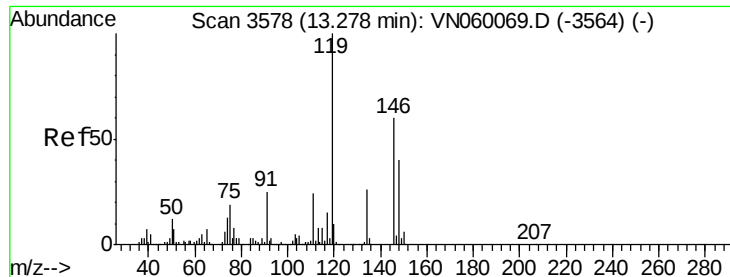


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





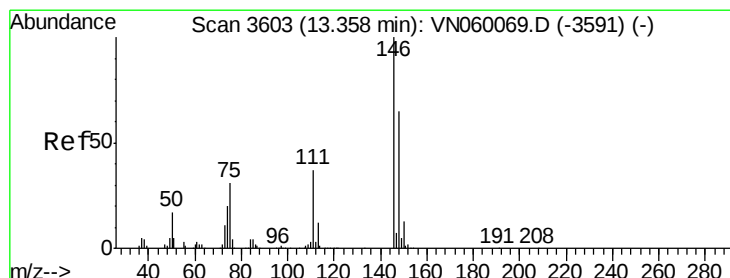
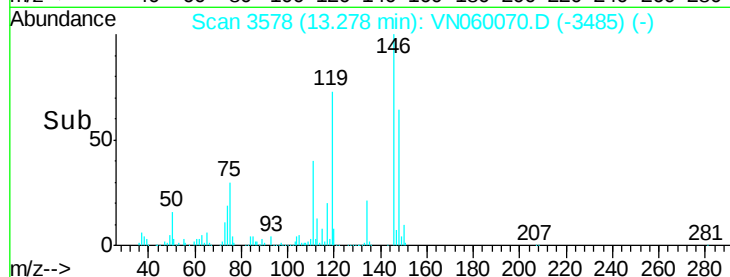
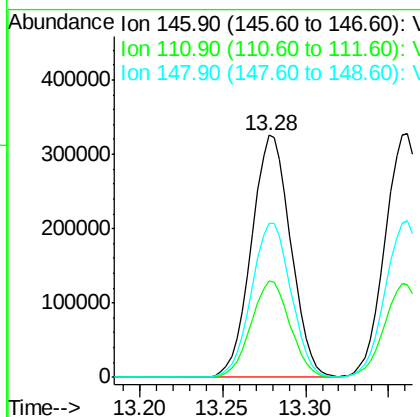
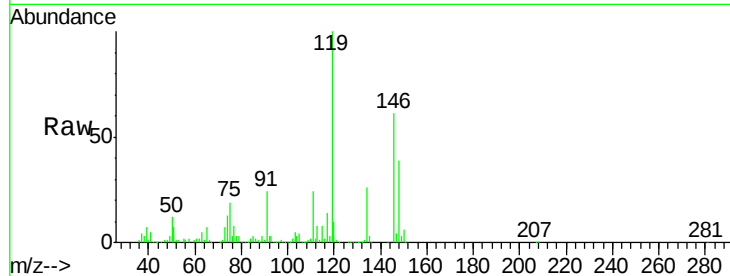
#87
 1,3-Dichlorobenzene
 Concen: 101.313 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.0	32.0	96.2

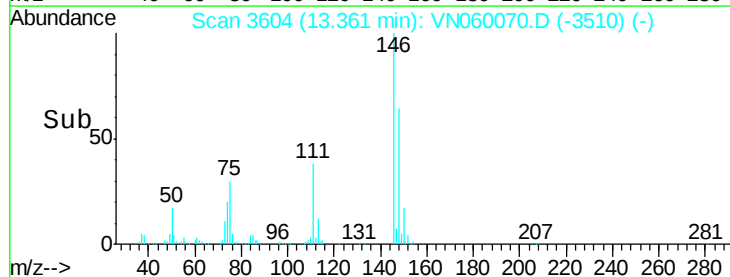
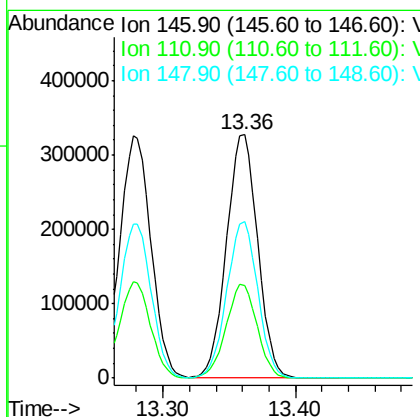
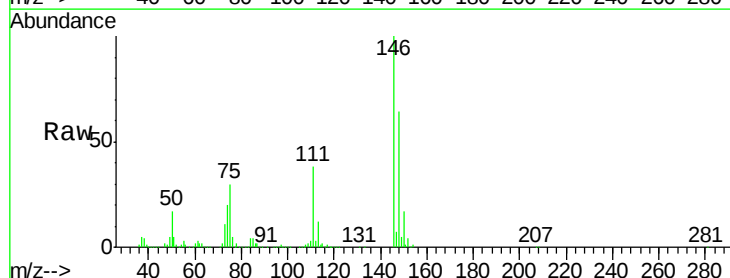
Manual Integrations
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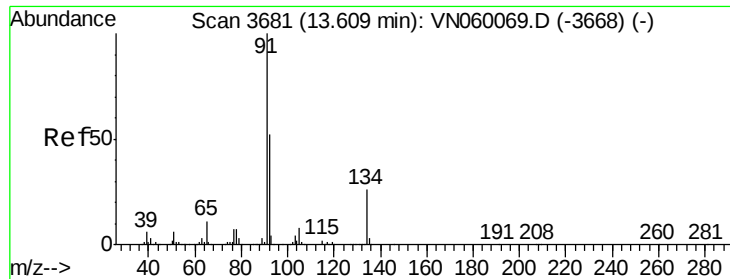
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#88
 1,4-Dichlorobenzene
 Concen: 100.762 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.5
148	63.7	32.0	96.0





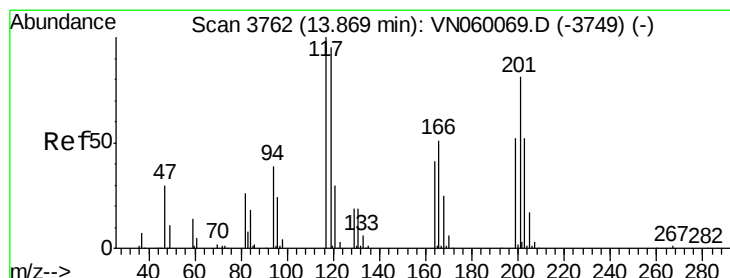
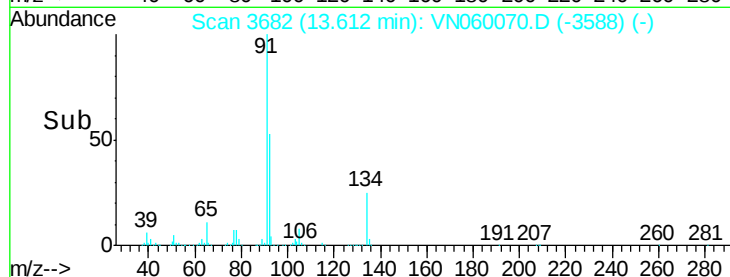
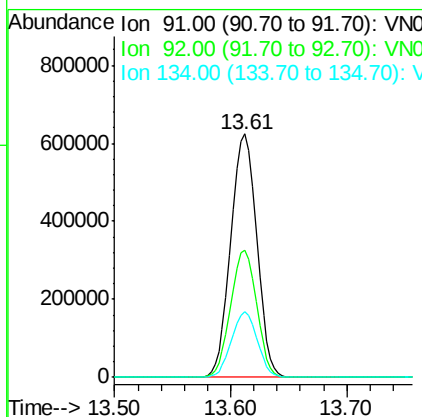
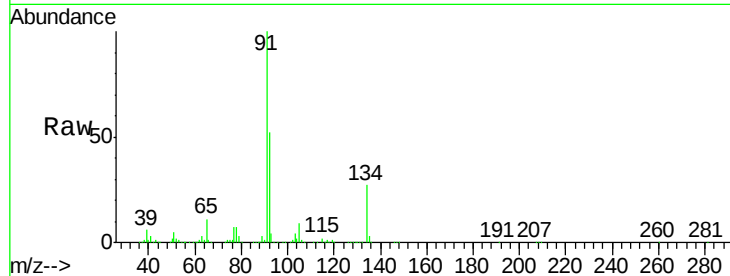
#89
n-Butylbenzene
Concen: 103.205 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	26.6	13.1	39.3

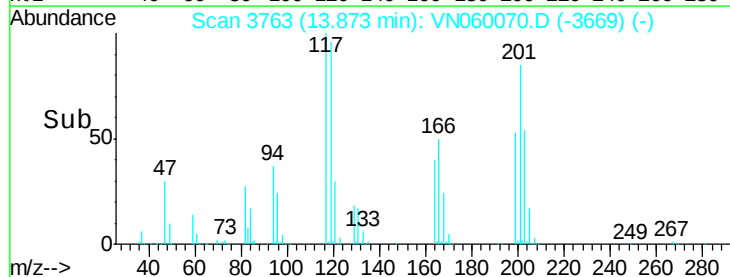
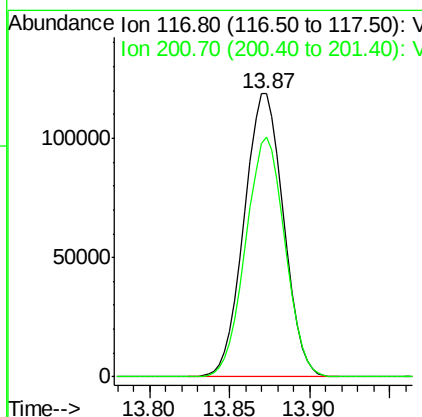
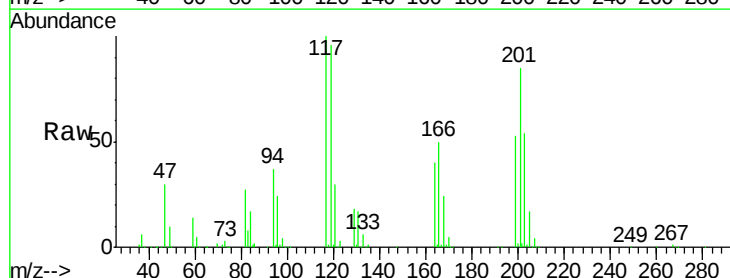
Manual Integrations
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#90
Hexachloroethane
Concen: 100.360 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 98.985 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Instrument :

MSVOA_N

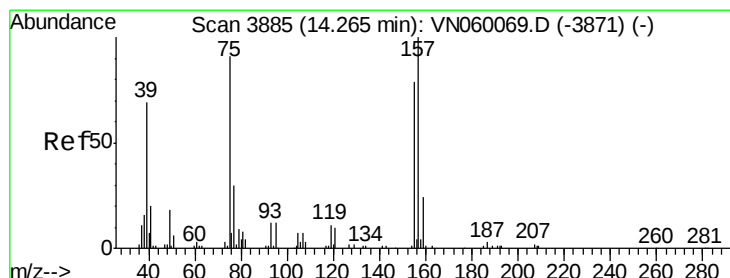
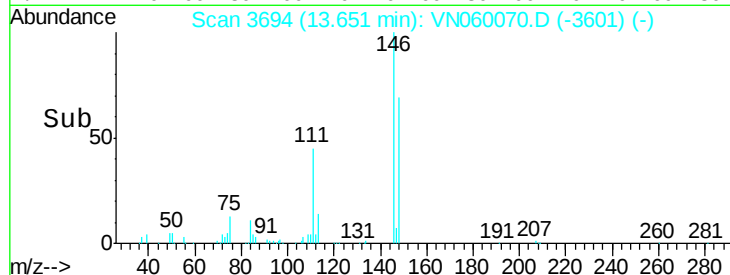
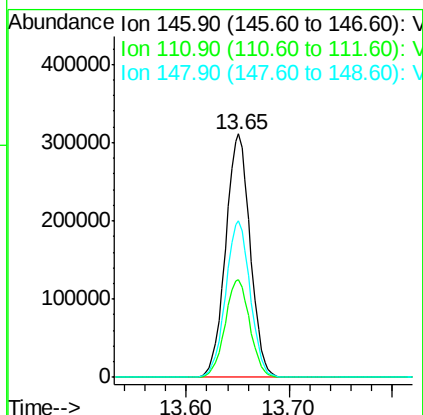
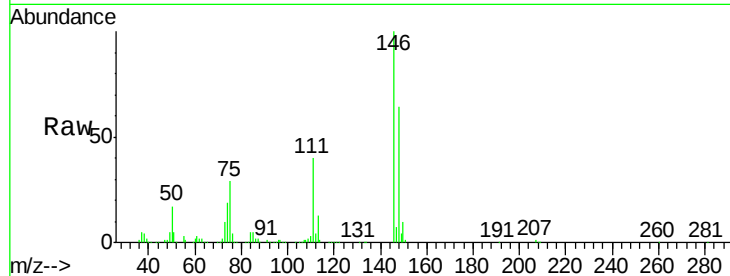
ClientSampled :

VSTDIC100

Tot Ion:	146	Resp:	514111
Ion Ratio		Lower	Upper
146	100		
111	40.4	20.1	60.2
148	64.3	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 94.168 ug/l

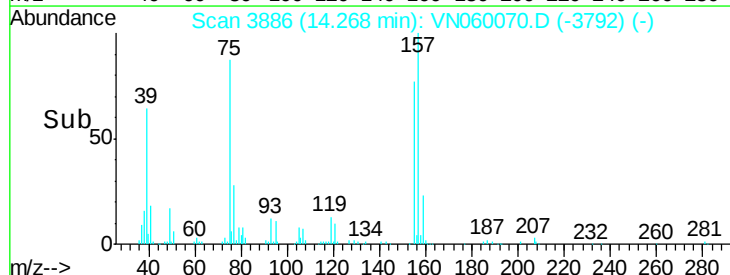
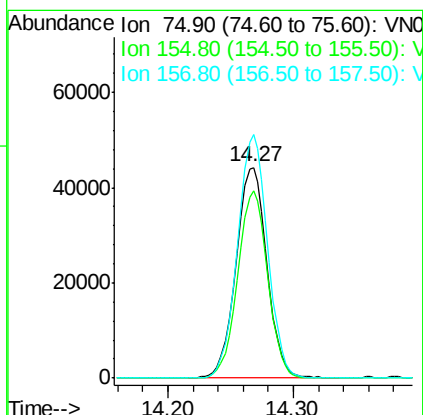
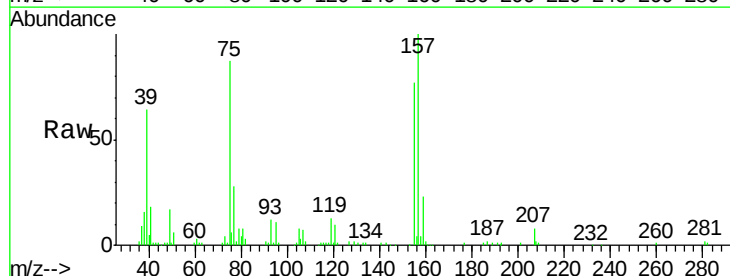
RT: 14.27 min Scan# 3886

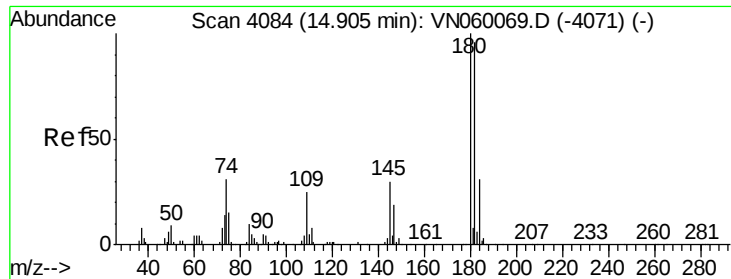
Delta R.T. 0.00 min

Lab File: VN060070.D

Acq: 12 Feb 2020 12:50

Tgt Ion:	75	Resp:	75810
Ion Ratio		Lower	Upper
75	100		
155	85.8	43.0	129.0
157	111.8	54.9	164.5





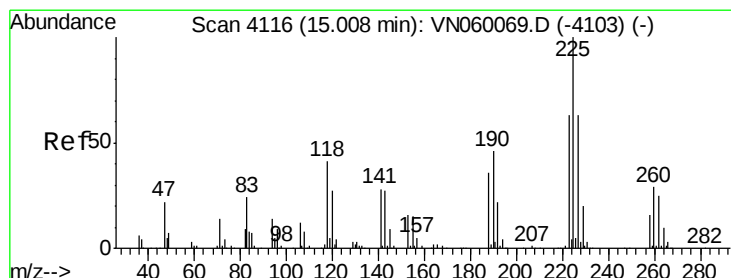
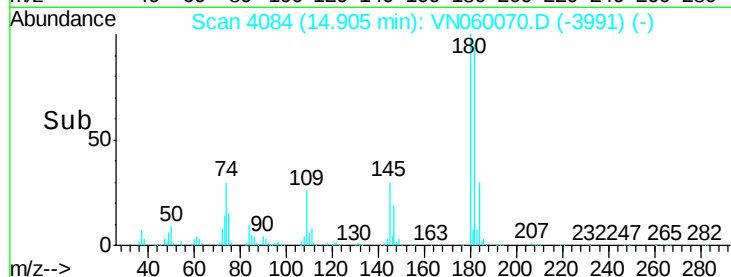
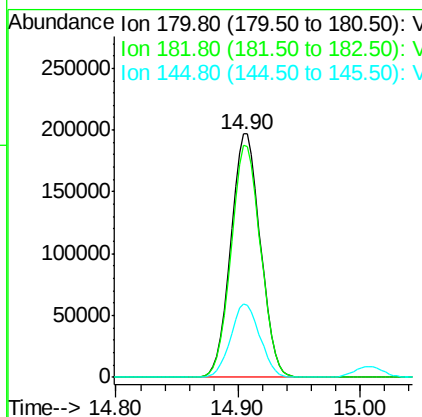
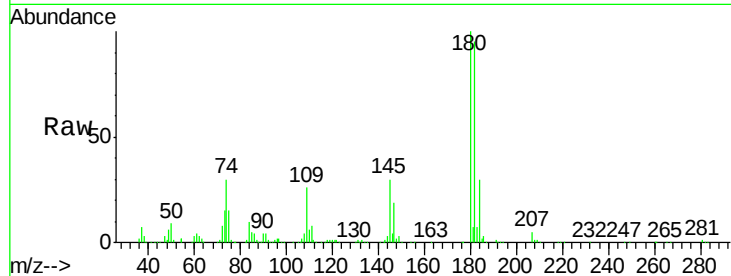
#93
 1,2,4-Trichlorobenzene
 Concen: 108.672 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	331640		
182	95.0	47.9	143.8	
145	30.0	15.2	45.5	

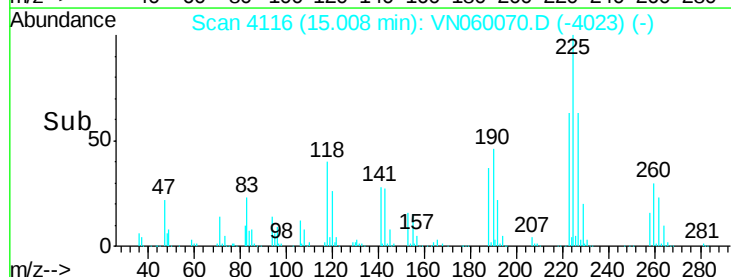
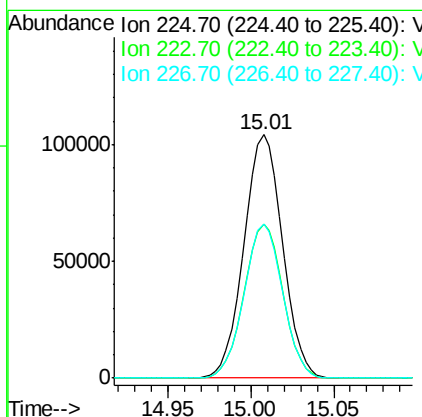
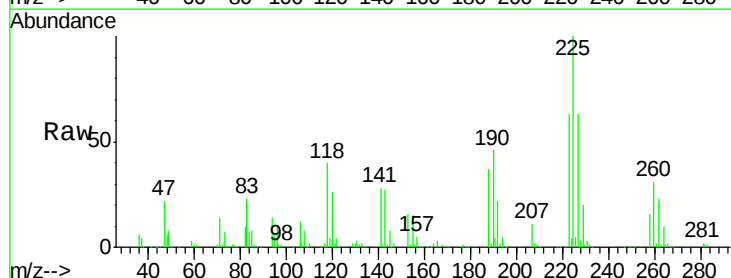
Manual Integrations
 APPROVED

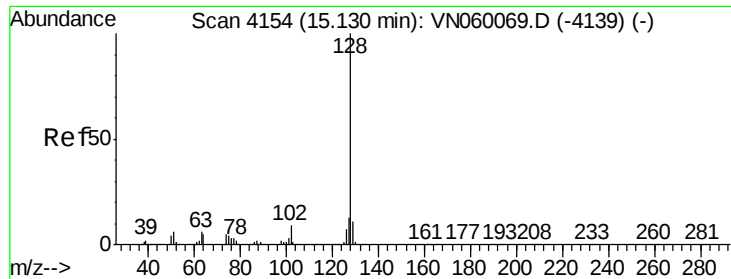
MMDadoda
 2/13/2020 10:37:14 AM



#94
 Hexachlorobutadiene
 Concen: 94.865 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060070.D
 Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	169482		
223	63.5	31.5	94.5	
227	63.2	31.8	95.4	





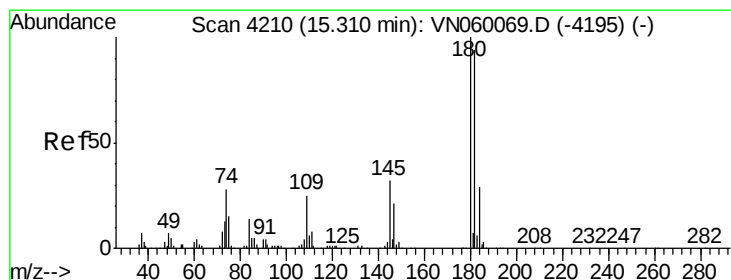
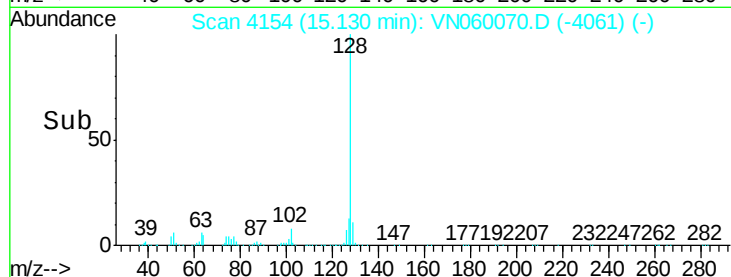
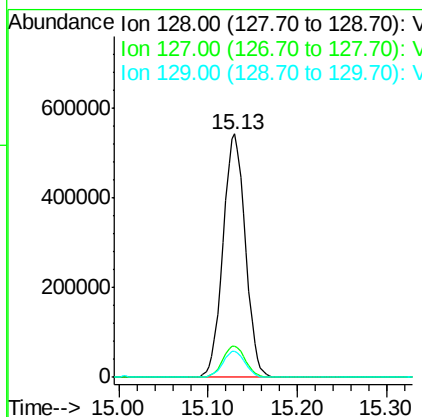
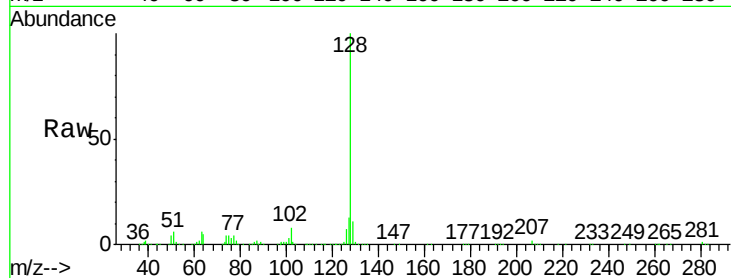
#95
Naphthalene
Concen: 113.736 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
128	100	937598		
127	13.1	10.3	15.5	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:37:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 105.390 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060070.D
Acq: 12 Feb 2020 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	320287		
182	94.3	47.5	142.5	
145	31.7	16.1	48.3	

