

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060102.D
 Acq On : 14 Feb 2020 11:39
 Operator : JC/MD
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:19 AM

Quant Time: Feb 15 02:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	179113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	288164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128343	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	117644	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.57	113	91255	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.08	98	353563	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	128648	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	37826	21.128	ug/l	98
3) Chloromethane	2.04	50	45240	21.234	ug/l	100
4) Vinyl Chloride	2.17	62	50525	20.805	ug/l	99
5) Bromomethane	2.55	94	29896	20.077	ug/l	99
6) Chloroethane	2.69	64	25480	20.744	ug/l	98
7) Trichlorofluoromethane	3.00	101	60909	19.453	ug/l	98
8) Diethyl Ether	3.38	74	22842	21.916	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35081	20.181	ug/l	97
10) Methyl Iodide	3.93	142	46031	21.212	ug/l	99
11) Tert butyl alcohol	4.73	59	35814	109.808	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34169	20.177	ug/l	98
13) Acrolein	3.58	56	23951	74.294	ug/l	94
14) Allyl chloride	4.30	41	58403	23.432	ug/l	88
15) Acrylonitrile	4.94	53	91315	114.645	ug/l	98
16) Acetone	3.78	43	93526	98.377	ug/l	97
17) Carbon Disulfide	4.03	76	101647	19.914	ug/l	100
18) Methyl Acetate	4.29	43	42820	23.977	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	120856	21.222	ug/l	99
20) Methylene Chloride	4.52	84	39495	20.823	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	36699	19.880	ug/l	97
22) Diisopropyl ether	5.91	45	121504	22.243	ug/l	98
23) Vinyl Acetate	5.86	43	507384	110.607	ug/l	97
24) 1,1-Dichloroethane	5.82	63	69832	21.103	ug/l	98
25) 2-Butanone	6.80	43	128990	107.882	ug/l	98
26) 2,2-Dichloropropane	6.80	77	62282	19.816	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43497	20.134	ug/l	97
28) Bromochloromethane	7.17	49	27524	21.157	ug/l	94
29) Tetrahydrofuran	7.18	42	81746	111.445	ug/l	96
30) Chloroform	7.35	83	71711	20.687	ug/l	99
31) Cyclohexane	7.63	56	64383	20.886	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	62818	19.831	ug/l	99
36) 1,1-Dichloropropene	7.77	75	53245	19.949	ug/l	98
37) Ethyl Acetate	6.90	43	51560	21.374	ug/l	99
38) Carbon Tetrachloride	7.75	117	54773	18.895	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Quant Time: Feb 15 02:57:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64735	19.538	ug/l	98
40) Benzene	8.02	78	158601	20.032	ug/l	100
41) Methacrylonitrile	7.14	41	21448m	21.201	ug/l	
42) 1,2-Dichloroethane	8.10	62	58545	21.097	ug/l	98
43) Isopropyl Acetate	8.14	43	89819	21.782	ug/l	97
44) Trichloroethene	8.82	130	41685	19.014	ug/l	94
45) 1,2-Dichloropropane	9.10	63	41954	21.403	ug/l	97
46) Dibromomethane	9.19	93	28871	20.842	ug/l	97
47) Bromodichloromethane	9.39	83	57669	20.477	ug/l	98
48) Methyl methacrylate	9.18	41	38678	20.906	ug/l	98
49) 1,4-Dioxane	9.18	88	14418	456.112	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	259088	108.551	ug/l	98
52) Toluene	10.14	92	99598	19.617	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63574	19.999	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	66962	20.004	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39726	20.056	ug/l	96
56) Ethyl methacrylate	10.42	69	57592	20.554	ug/l	95
57) 1,3-Dichloropropane	10.70	76	67041	20.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	142251	108.973	ug/l	98
59) 2-Hexanone	10.74	43	194240	105.352	ug/l	98
60) Dibromochloromethane	10.89	129	43168	18.992	ug/l	95
61) 1,2-Dibromoethane	10.99	107	41408	19.942	ug/l	99
64) Tetrachloroethene	10.62	164	37709	18.225	ug/l	99
65) Chlorobenzene	11.43	112	106598	19.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	39993	19.065	ug/l	98
67) Ethyl Benzene	11.50	91	192184	19.216	ug/l	100
68) m/p-Xylenes	11.62	106	143673	38.275	ug/l	99
69) o-Xylene	11.94	106	70106	19.398	ug/l	99
70) Styrene	11.96	104	110627	18.982	ug/l	99
71) Bromoform	12.12	173	32195	19.081	ug/l #	97
73) Isopropylbenzene	12.25	105	186477	19.457	ug/l	100
74) N-amyl acetate	12.07	43	74369	21.519	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57778	20.945	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	52729m	21.474	ug/l	
77) Bromobenzene	12.52	156	46091	19.379	ug/l	94
78) n-propylbenzene	12.59	91	213730	19.574	ug/l	100
79) 2-Chlorotoluene	12.67	91	125747	19.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157649	19.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20413	20.355	ug/l	98
82) 4-Chlorotoluene	12.77	91	130346	19.795	ug/l	98
83) tert-Butylbenzene	12.99	119	133224	18.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	156484	19.894	ug/l	100
85) sec-Butylbenzene	13.17	105	179429	19.220	ug/l	99
86) p-Isopropyltoluene	13.28	119	162710	19.236	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81107	19.265	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81780	19.428	ug/l	99
89) n-Butylbenzene	13.61	91	143603	19.302	ug/l	99
90) Hexachloroethane	13.87	117	29865	18.900	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78899	19.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12226	20.387	ug/l	92

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

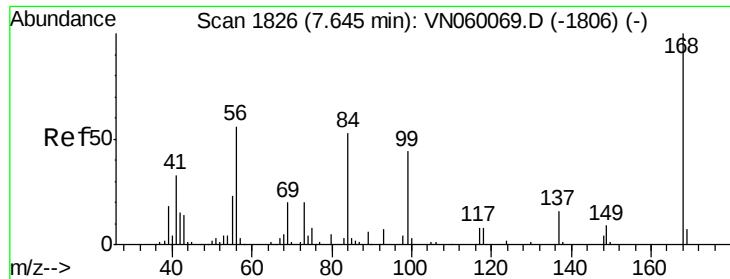
Manual Integrations
APPROVED

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Quant Time: Feb 15 02:57:29 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47895	19.784	ug/l	99
94) Hexachlorobutadiene	15.01	225	26115	18.426	ug/l	99
95) Naphthalene	15.13	128	132554	20.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47972	19.898	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion:168 Resp: 179113

Ion Ratio Lower Upper

168 100

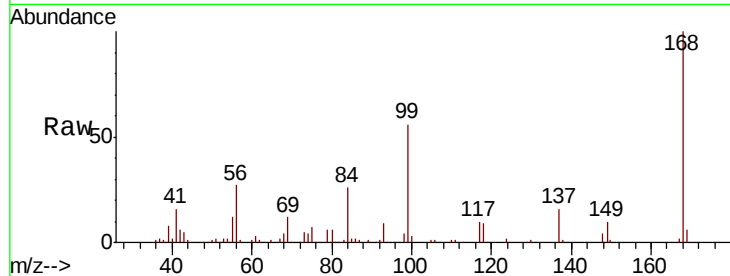
99 55.8 42.7 64.1

Manual Integrations

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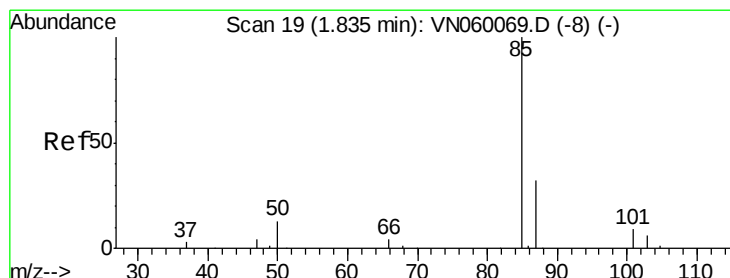
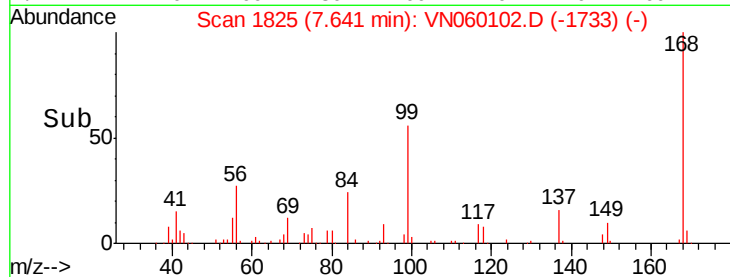
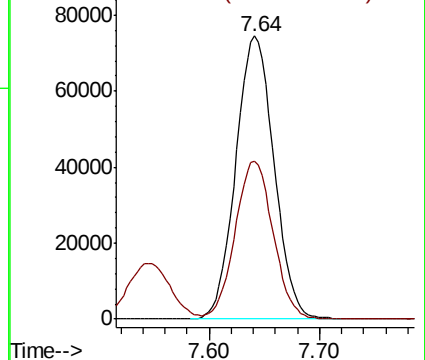
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.128 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060102.D

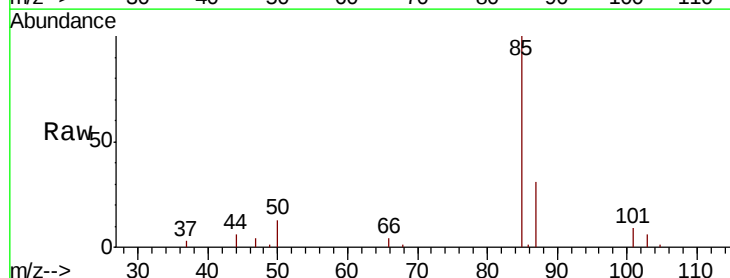
Acq: 14 Feb 2020 11:39

Tgt Ion: 85 Resp: 37826

Ion Ratio Lower Upper

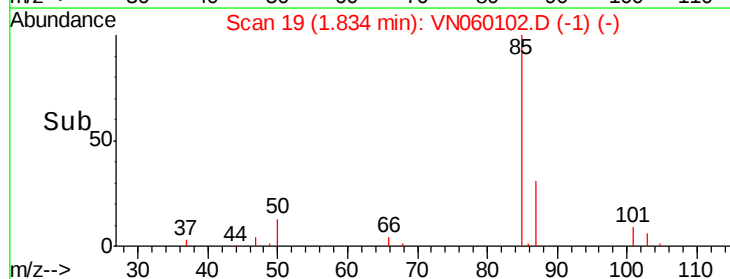
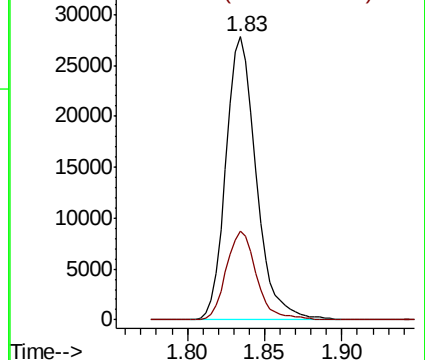
85 100

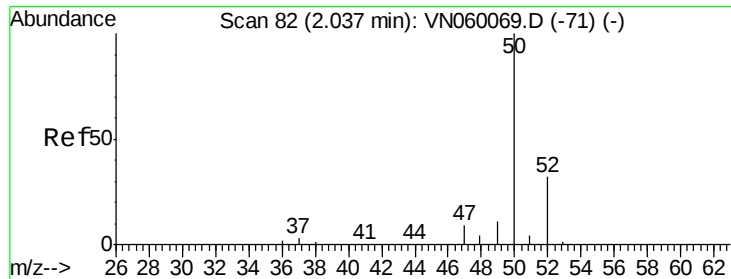
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 21.234 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 50 Resp: 45240

Ion Ratio Lower Upper

50 100

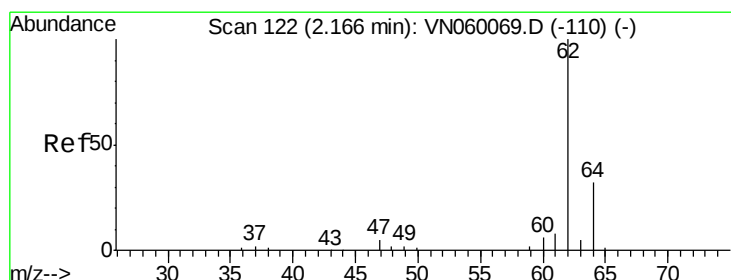
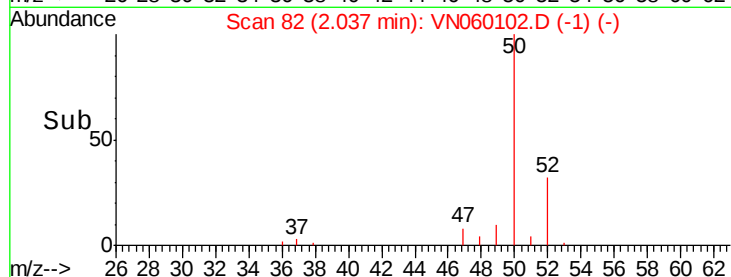
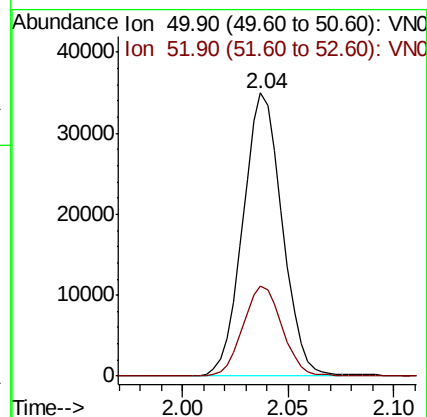
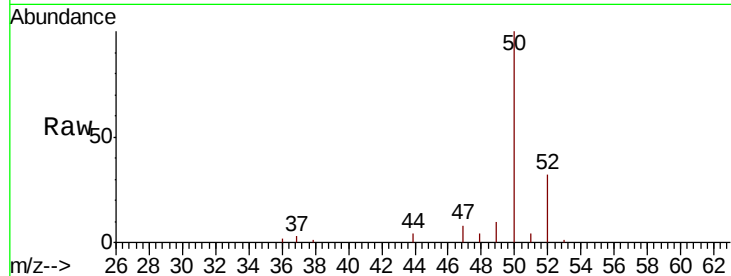
52 31.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.805 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060102.D

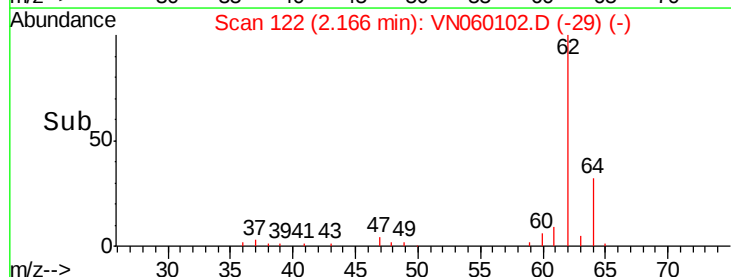
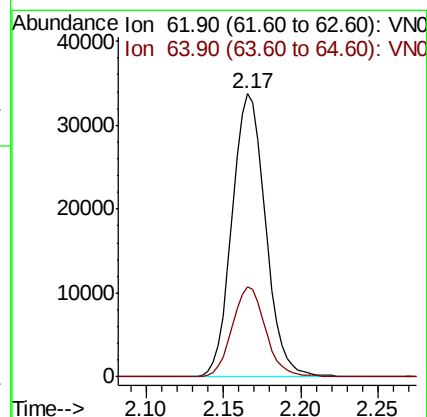
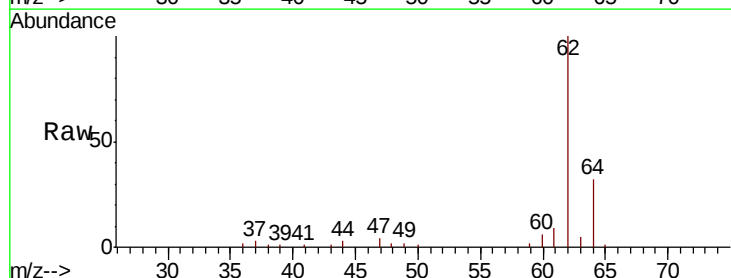
Acq: 14 Feb 2020 11:39

Tgt Ion: 62 Resp: 50525

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





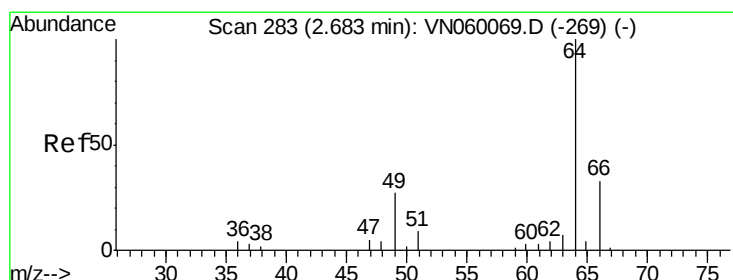
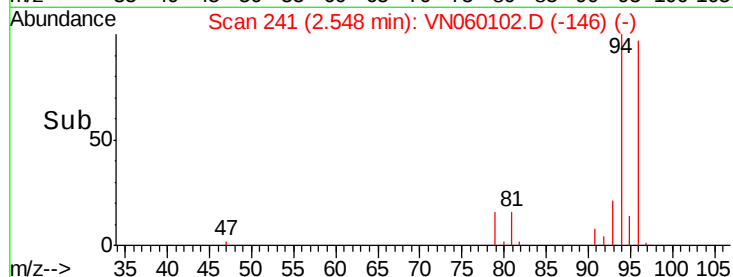
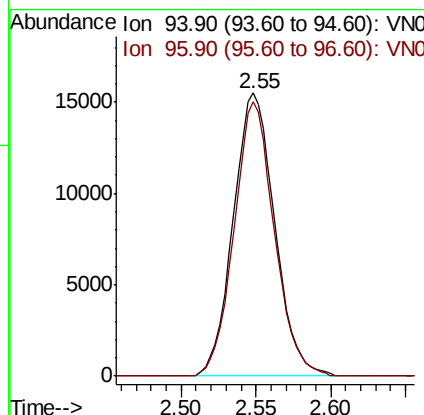
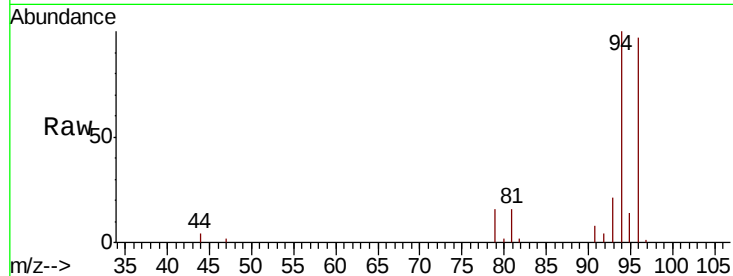
#5
Bromomethane
Concen: 20.077 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 94 Resp: 29896
Ion Ratio Lower Upper
94 100
96 96.8 76.7 115.1

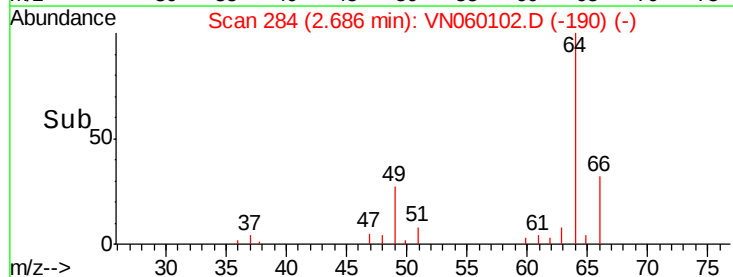
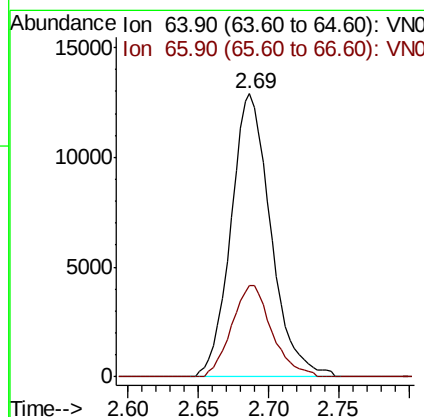
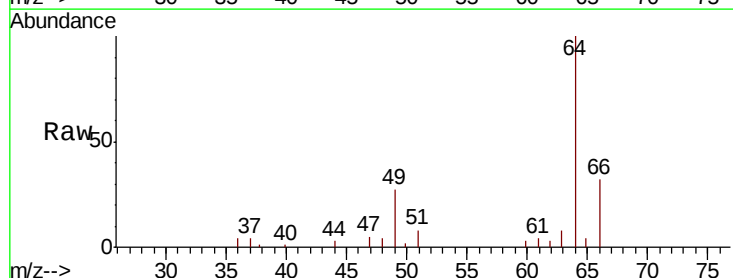
Manual Integrations
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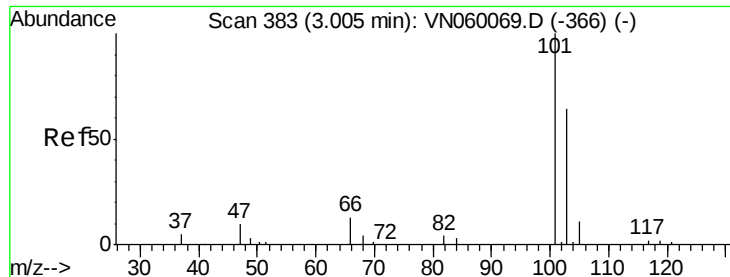
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2/18/2020 9:30:19 AM



#6
Chloroethane
Concen: 20.744 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 64 Resp: 25480
Ion Ratio Lower Upper
64 100
66 32.1 26.6 40.0





#7

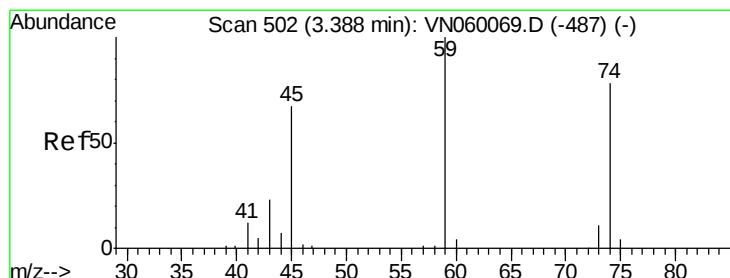
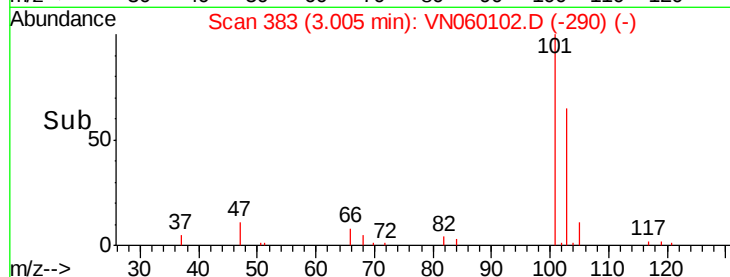
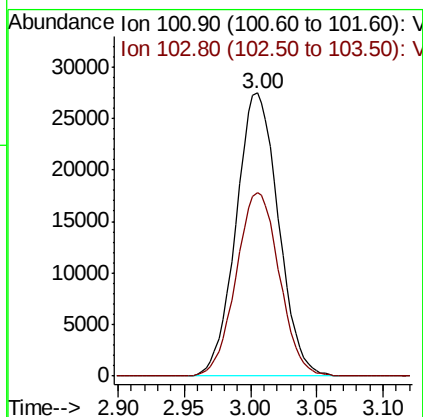
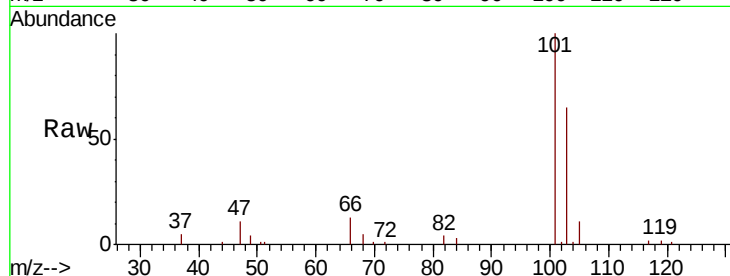
Trichlorofluoromethane
 Concen: 19.453 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
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 ClientSampleId :
 VN0214WBSD01

Tot Ion:101 Resp: 60909
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.0 76.6

Manual Integrations
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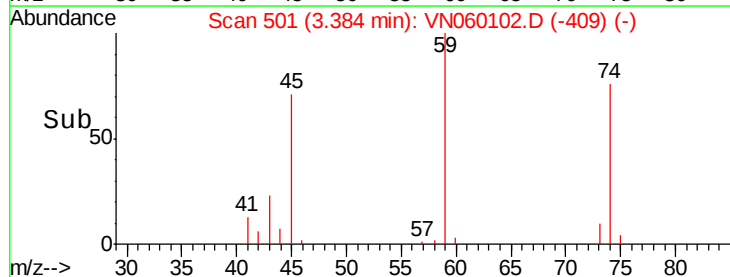
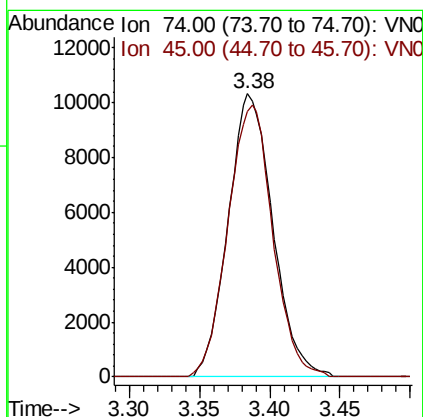
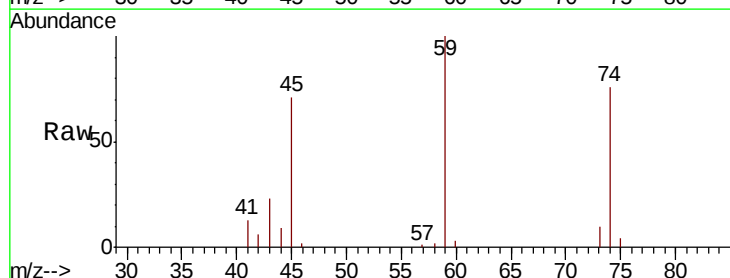
MMDadoda
 2/18/2020 9:30:19 AM

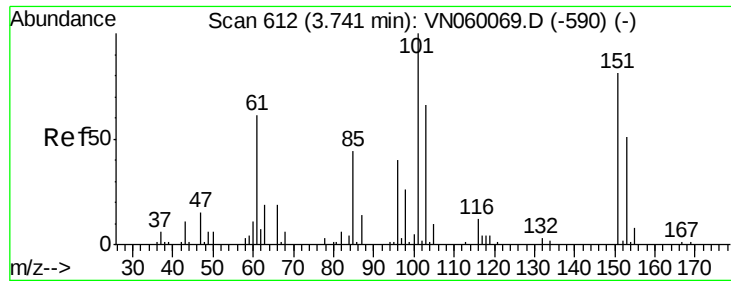


#8

Diethyl Ether
 Concen: 21.916 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 74 Resp: 22842
 Ion Ratio Lower Upper
 74 100
 45 96.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.181 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

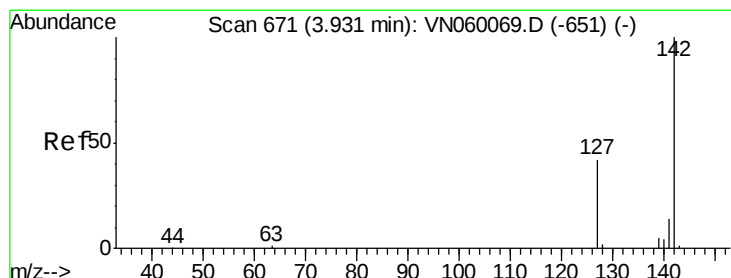
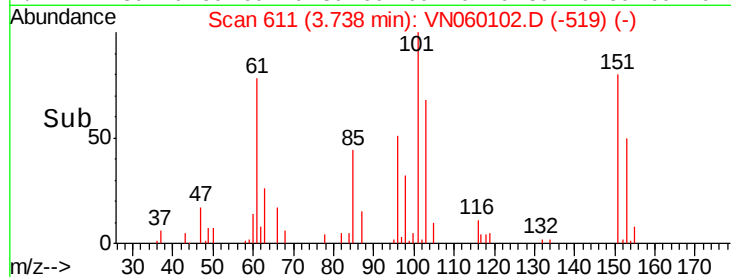
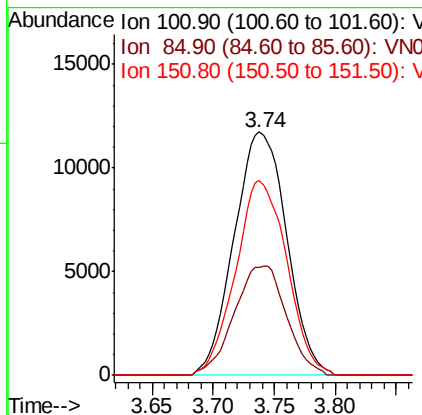
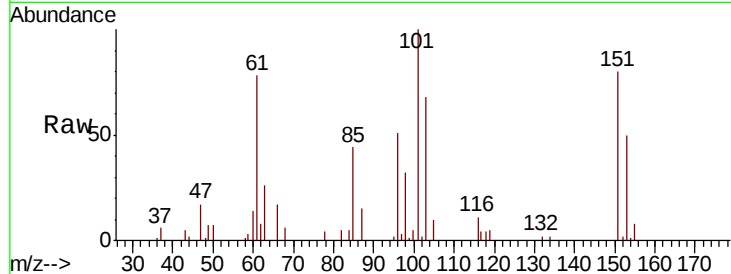
ClientSampleId :

VN0214WBSD01

Tot Ion:	101	Resp:	35081
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.1	52.7
151	78.1	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 21.212 ug/l

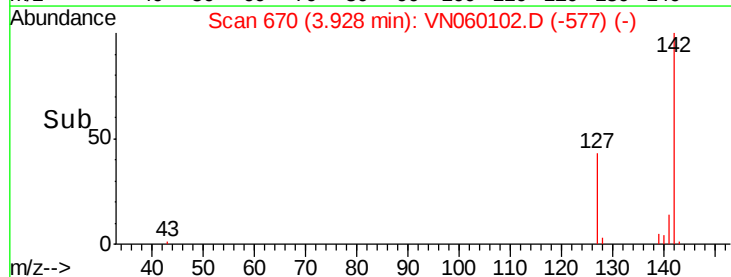
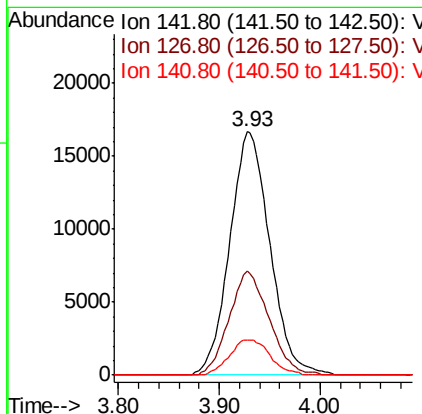
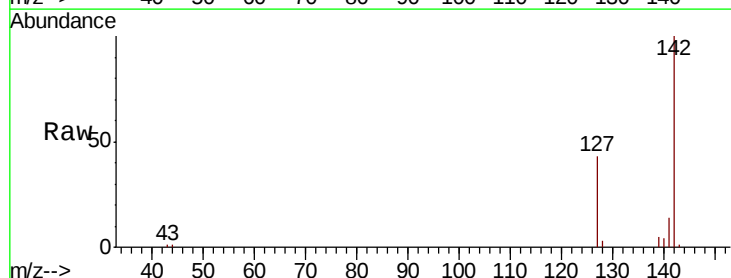
RT: 3.93 min Scan# 670

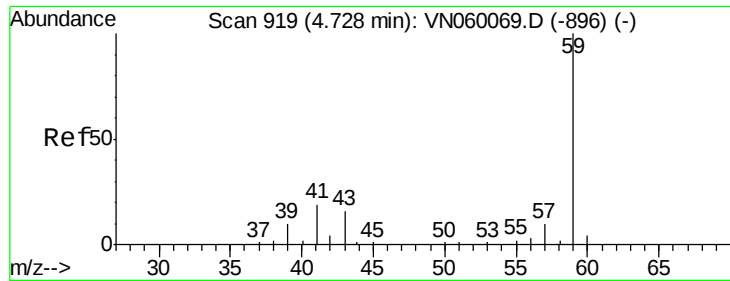
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	142	Resp:	46031
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.6	50.4
141	14.6	11.4	17.2





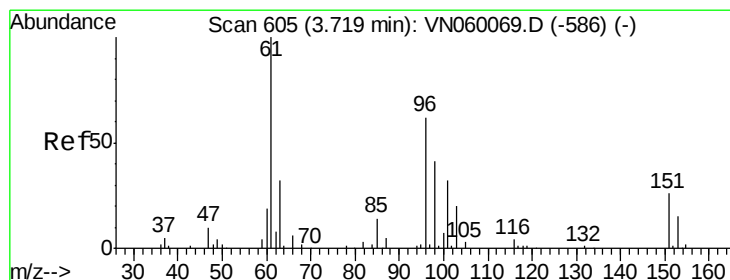
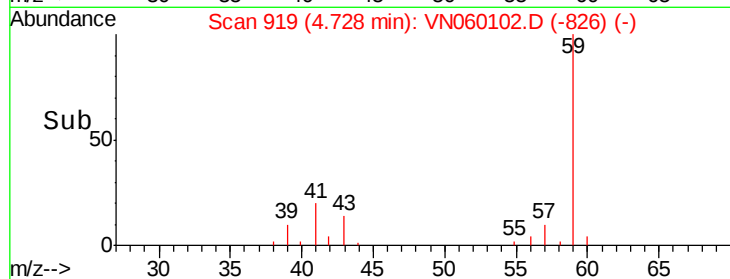
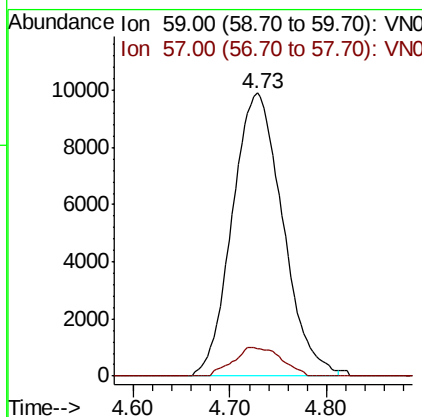
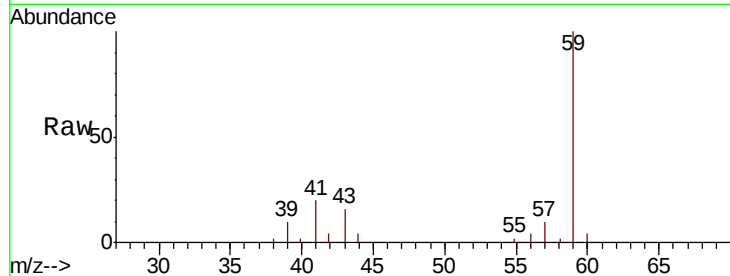
#11
Tert butyl alcohol
Concen: 109.808 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.4

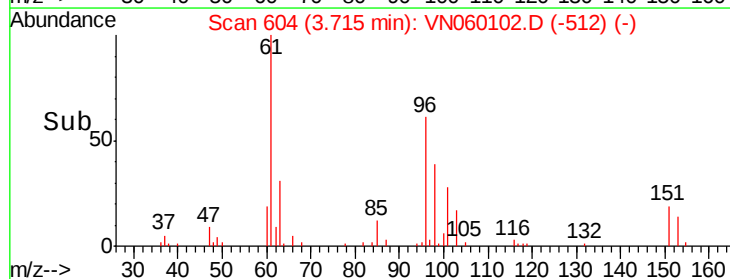
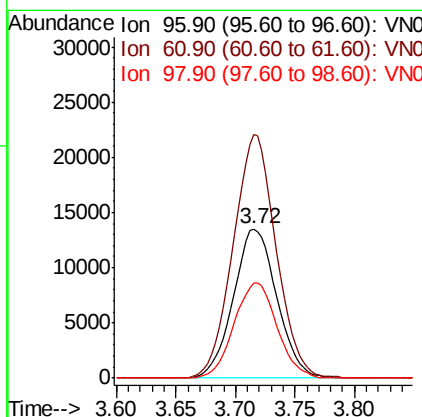
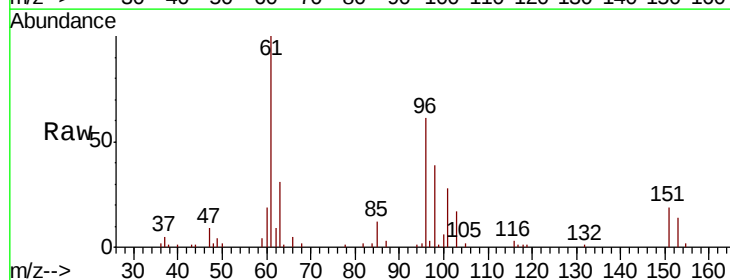
Manual Integrations
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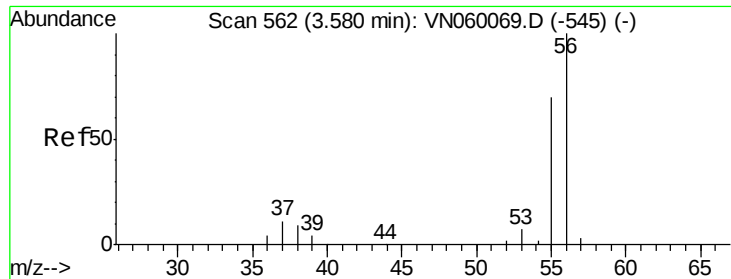
MMDadoda
2/18/2020 9:30:19 AM



#12
1,1-Dichloroethene
Concen: 20.177 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.0	128.3	192.5
98	63.5	52.2	78.4





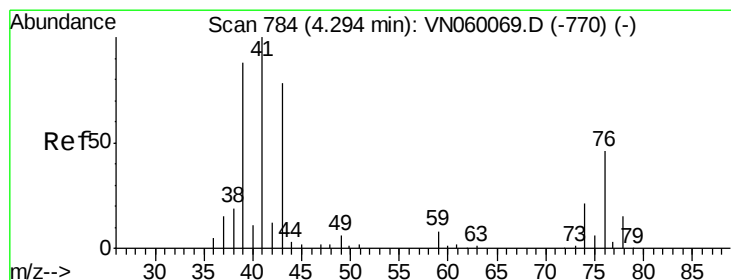
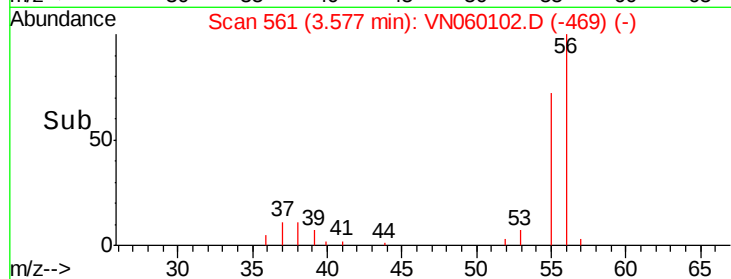
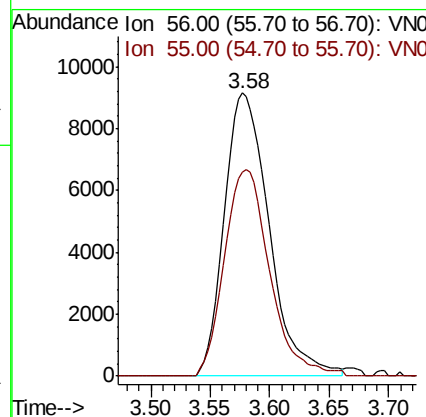
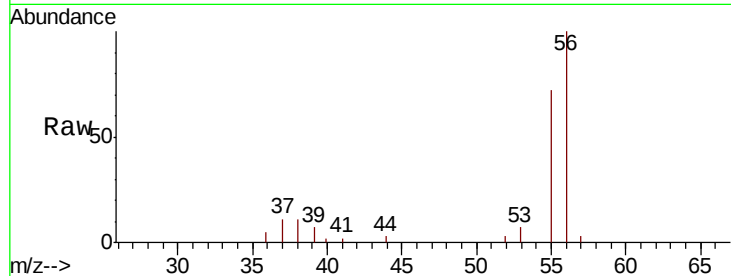
#13
Acrolein
Concen: 74.294 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	56	Resp	23951
Ion Ratio	100	Lower	Upper
56	100		
55	73.2	54.8	82.2

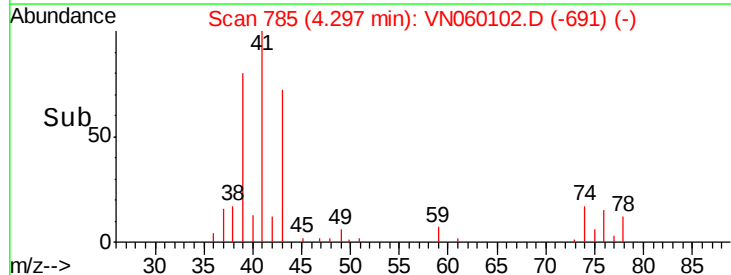
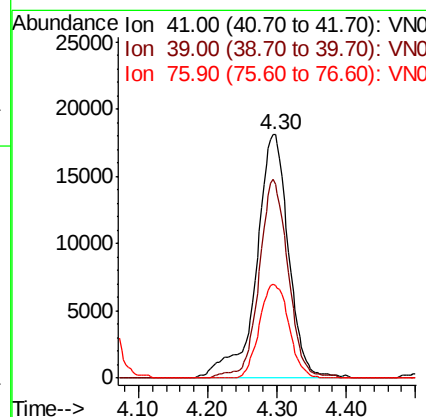
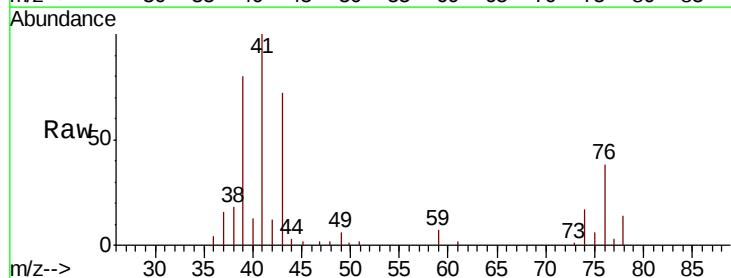
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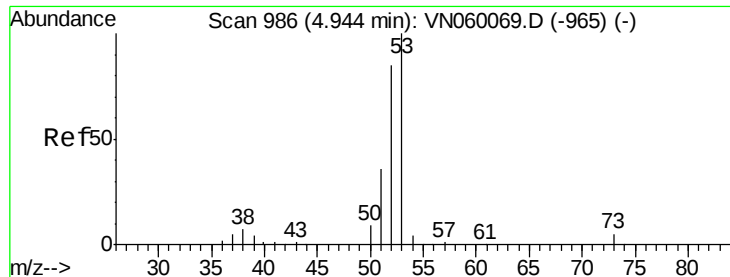
MMDadoda
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#14
Allyl chloride
Concen: 23.432 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	41	Resp	58403
Ion Ratio	100	Lower	Upper
41	100		
39	73.4	67.8	101.8
76	35.2	33.9	50.9





#15

Acrylonitrile

Concen: 114.645 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

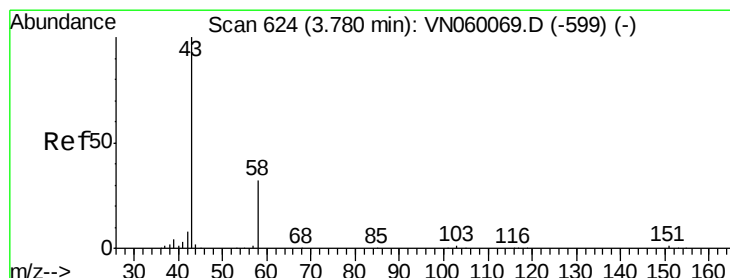
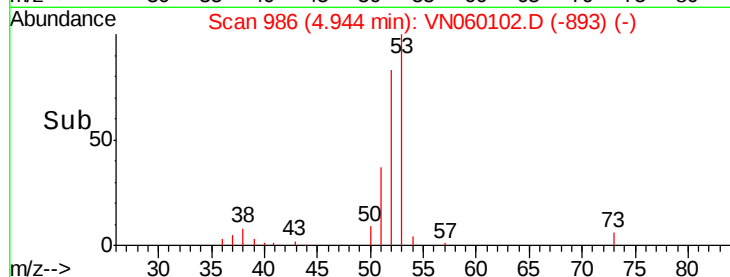
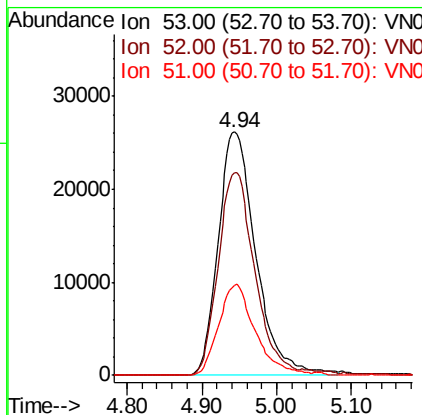
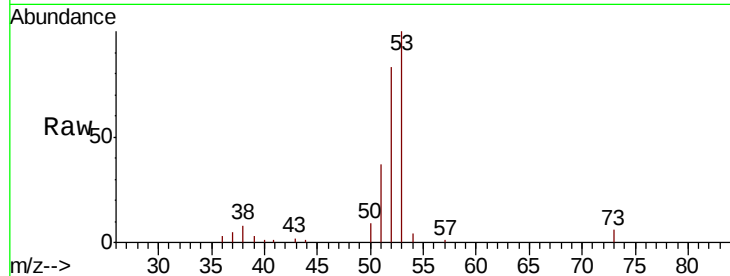
ClientSampleId :

VN0214WBSD01

Tot Ion:	53	Resp:	91315
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.8	100.2
51	36.3	29.4	44.0

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#16

Acetone

Concen: 98.377 ug/l

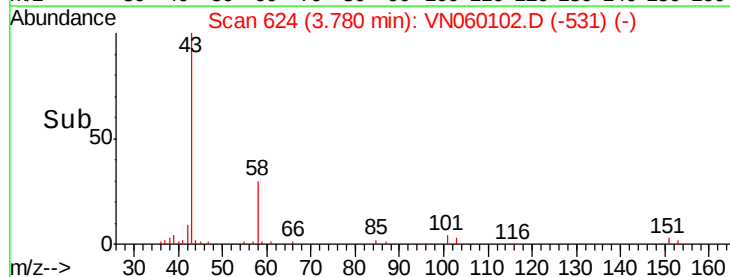
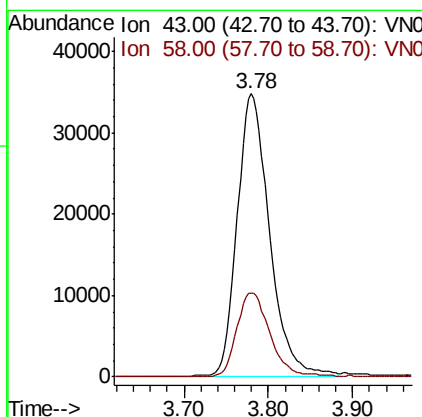
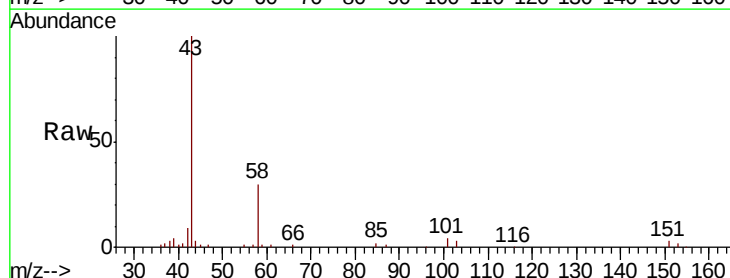
RT: 3.78 min Scan# 624

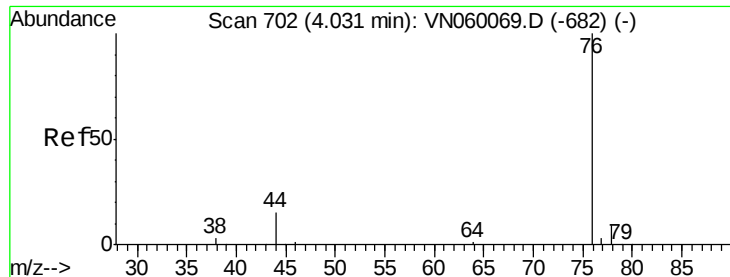
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	43	Resp:	93526
Ion Ratio	Lower	Upper	
43	100		
58	29.7	25.2	37.8





#17

Carbon Disulfide

Concen: 19.914 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 76 Resp: 101647

Ion Ratio Lower Upper

76 100

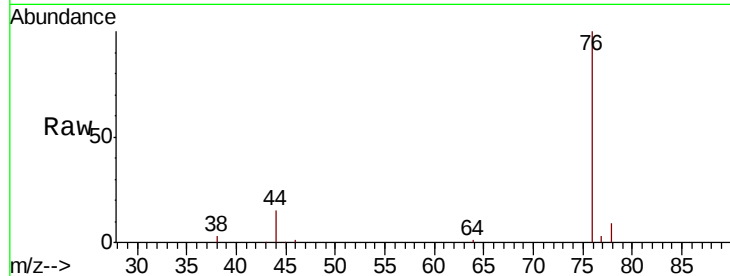
78 8.9 7.0 10.6

Manual Integrations

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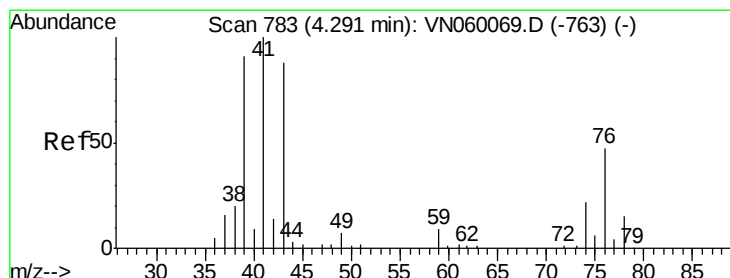
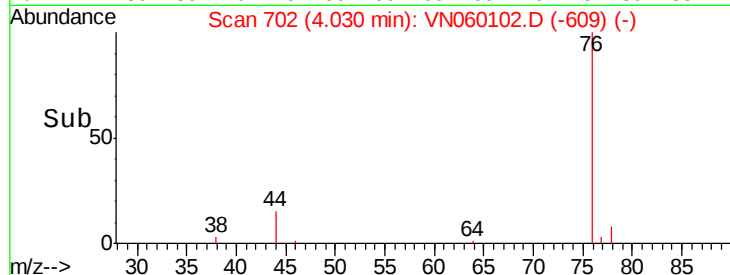
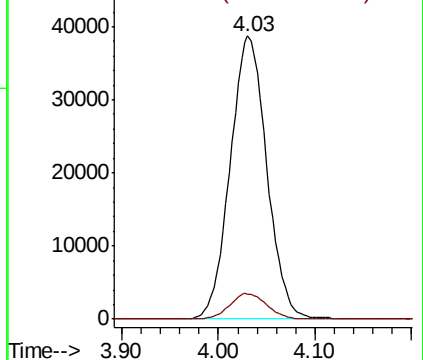
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 23.977 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060102.D

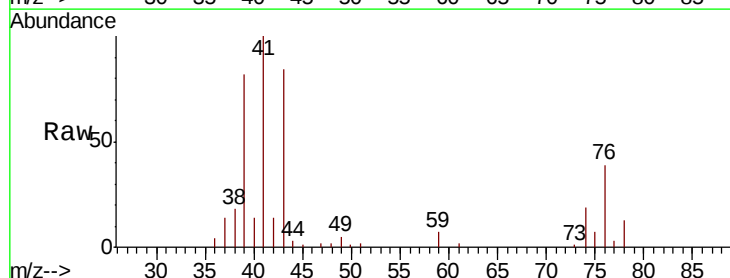
Acq: 14 Feb 2020 11:39

Tgt Ion: 43 Resp: 42820

Ion Ratio Lower Upper

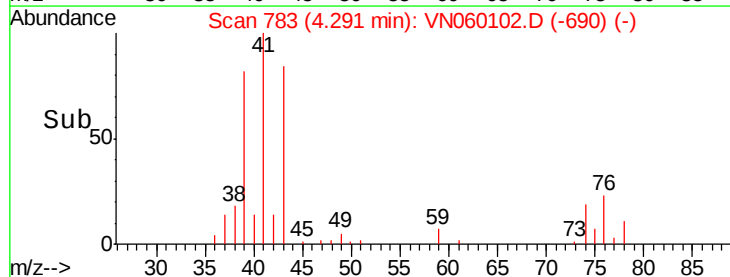
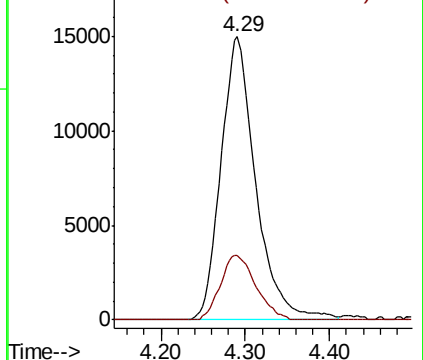
43 100

74 23.2 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





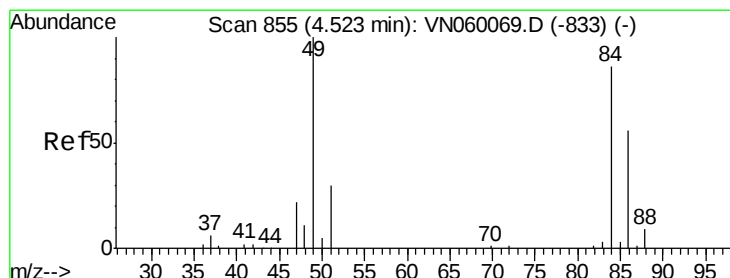
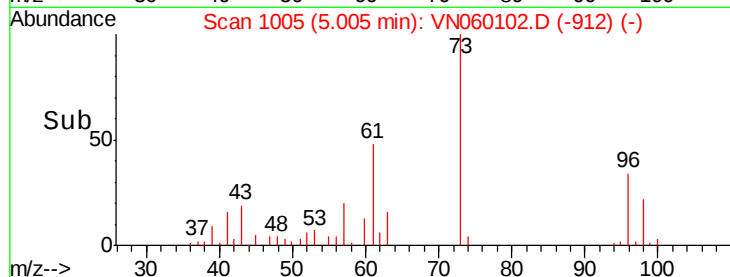
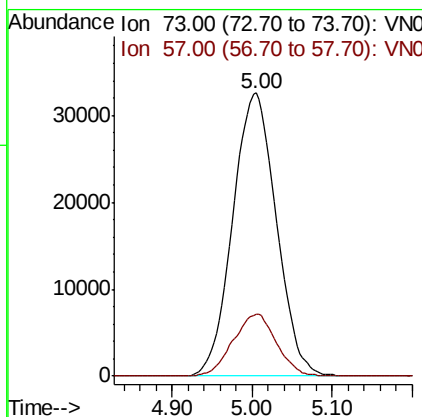
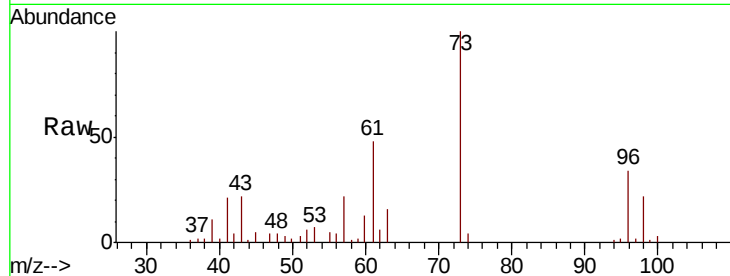
#19
Methyl tert-butyl Ether
Concen: 21.222 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0214WBSD01

Tot Ion: 73 Resp: 120856
Ion Ratio Lower Upper
73 100
57 22.0 17.2 25.8

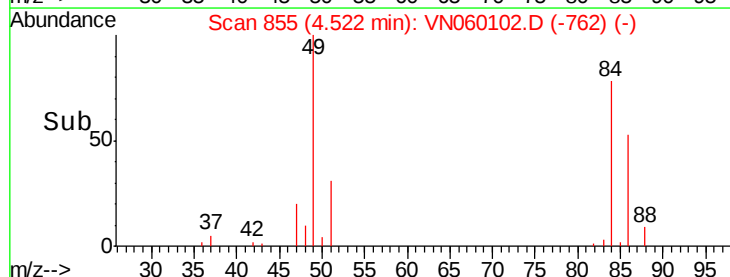
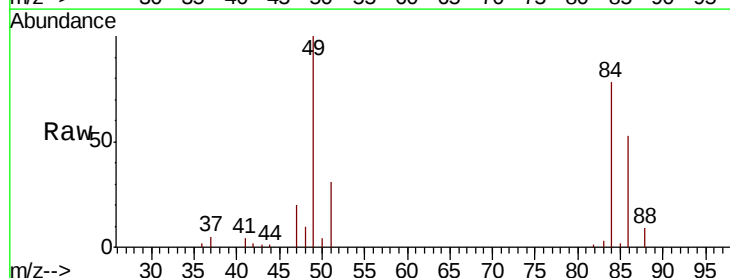
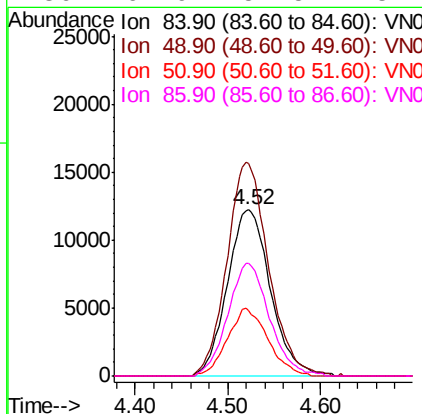
Manual Integrations
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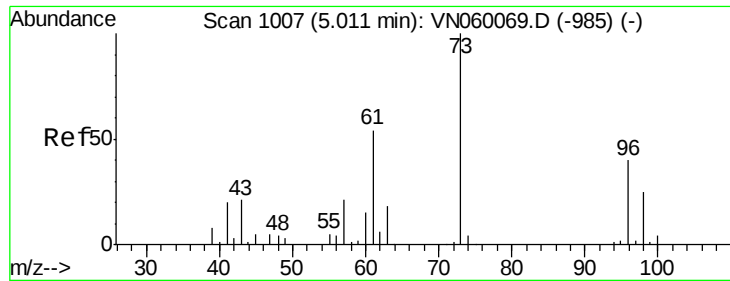
MMDadoda
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#20
Methylene Chloride
Concen: 20.823 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 84 Resp: 39495
Ion Ratio Lower Upper
84 100
49 127.8 93.4 140.0
51 39.4 28.4 42.6
86 67.9 52.5 78.7





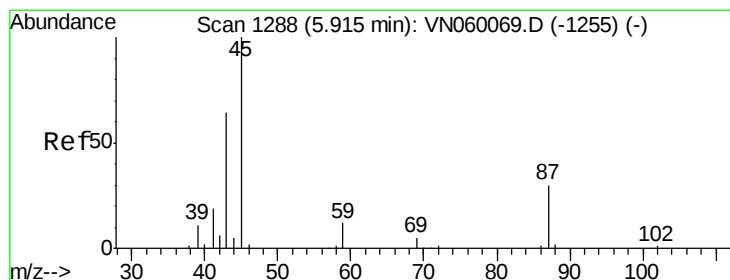
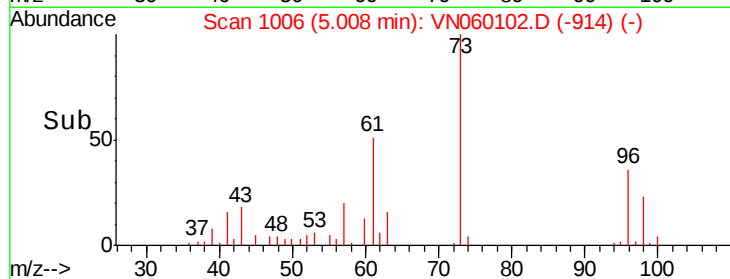
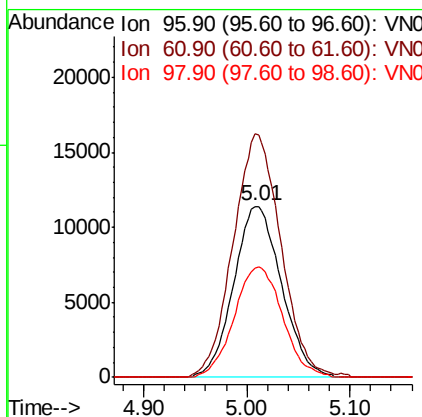
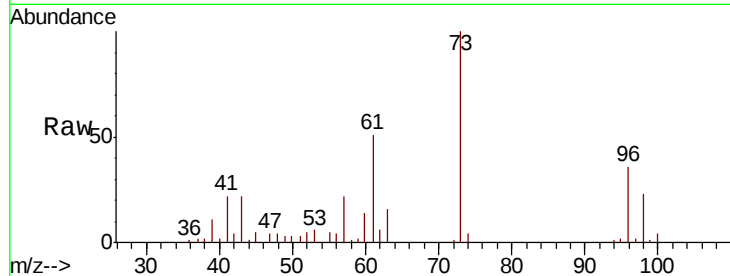
#21
trans-1,2-Dichloroethene
Concen: 19.880 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	109.3	163.9
98	63.8	51.0	76.6

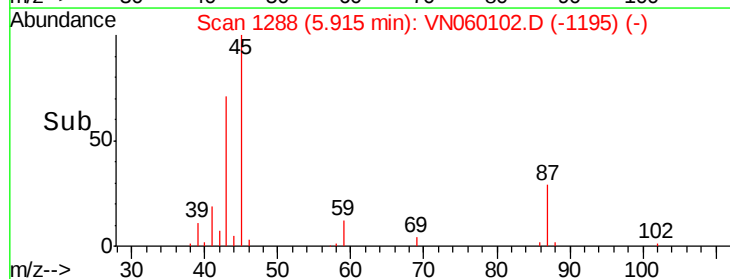
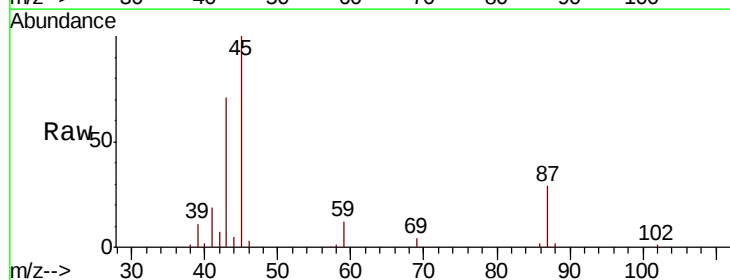
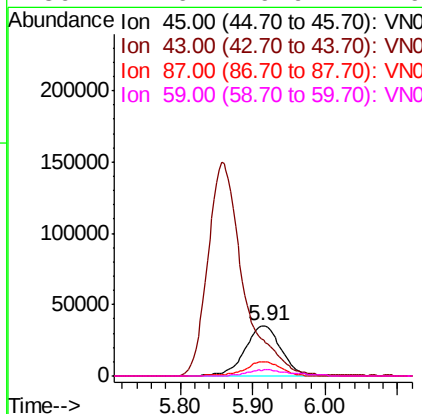
Manual Integrations
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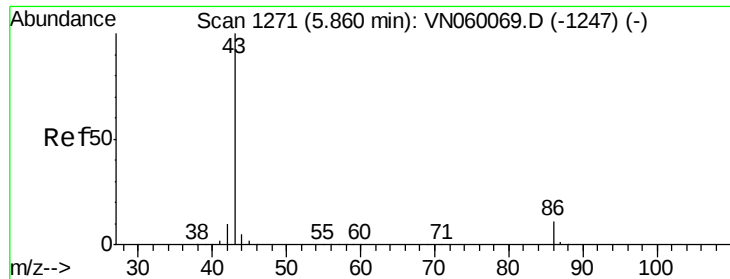
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#22
Diisopropyl ether
Concen: 22.243 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	55.9	83.9
87	29.4	24.5	36.7
59	11.6	9.9	14.9





#23

Vinyl Acetate

Concen: 110.607 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 43 Resp: 507384

Ion Ratio Lower Upper

43 100

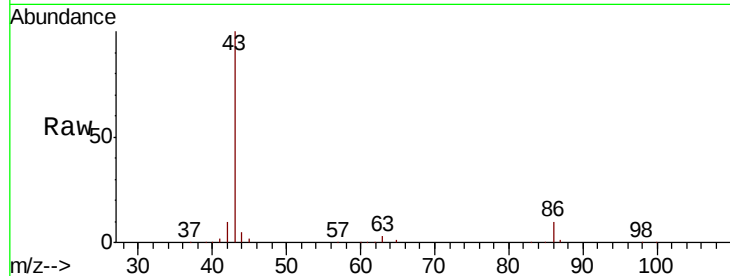
86 10.0 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060102.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060102.D (-1178) (-)

5.86

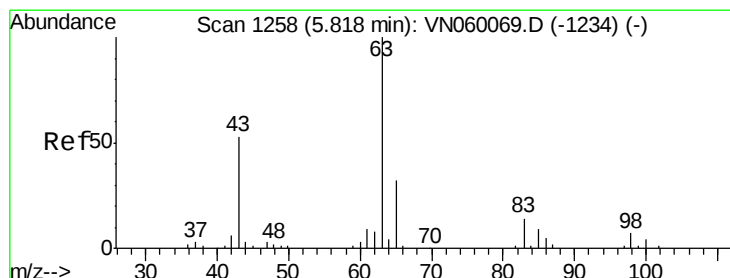
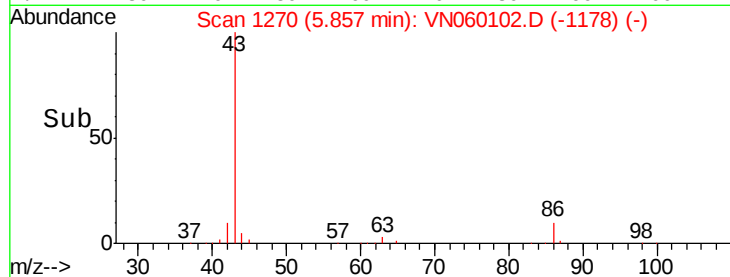
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 21.103 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

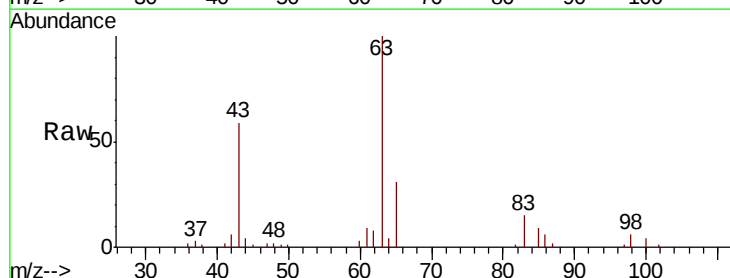
Tgt Ion: 63 Resp: 69832

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN060102.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060102.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060102.D (-1165) (-)

5.82

30000

25000

20000

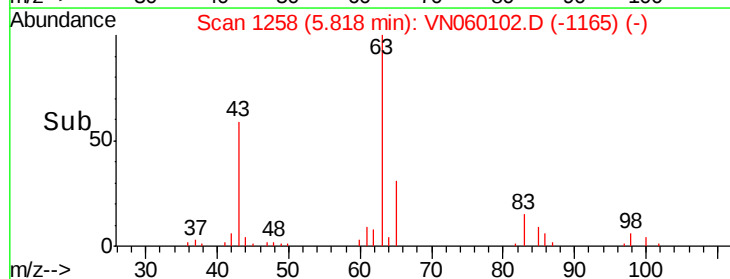
15000

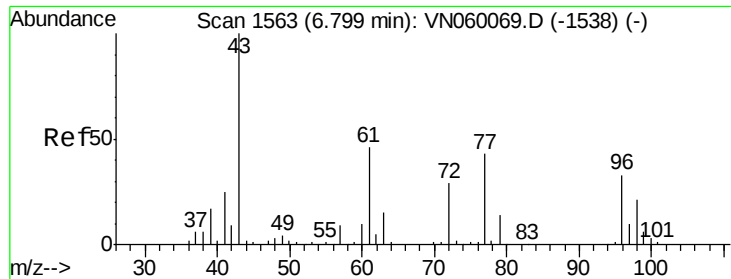
10000

5000

0

Time--> 5.70 5.80 5.90





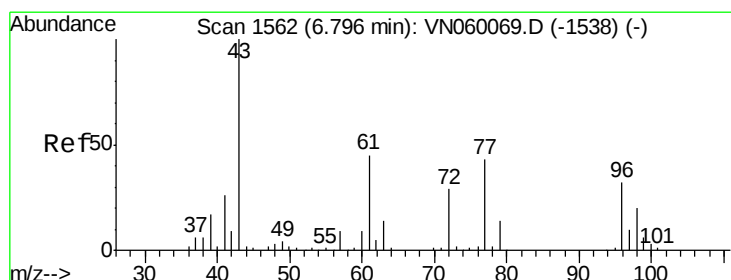
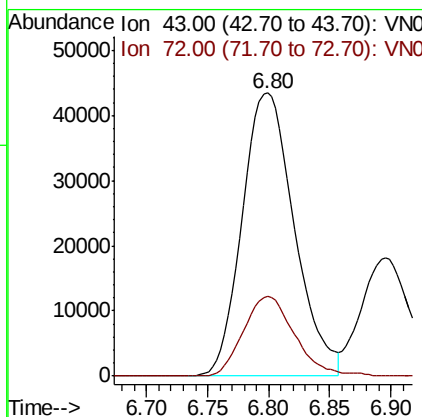
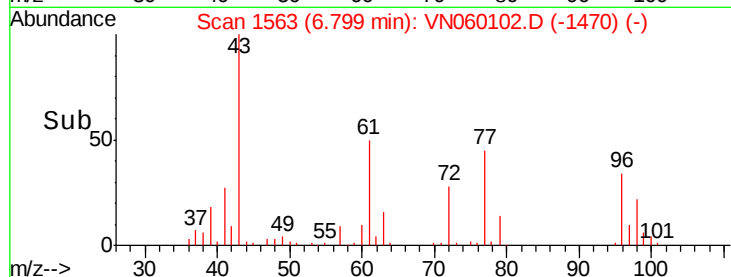
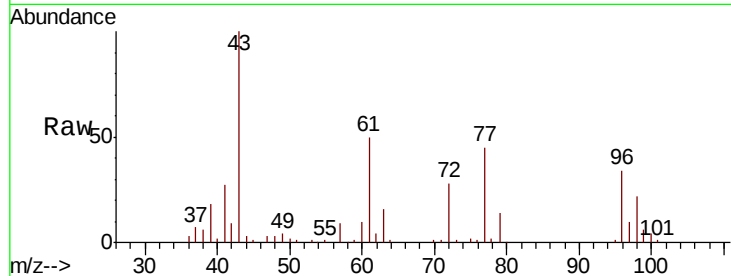
#25
2-Butanone
Concen: 107.882 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 43 Resp: 128990
Ion Ratio Lower Upper
43 100
72 28.1 23.3 34.9

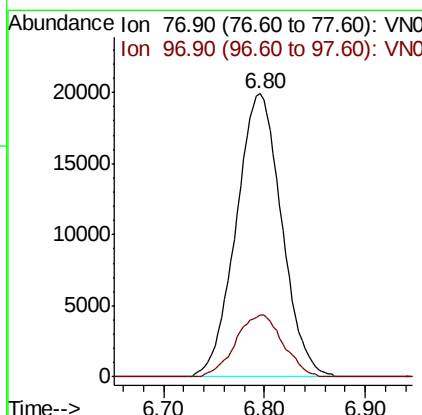
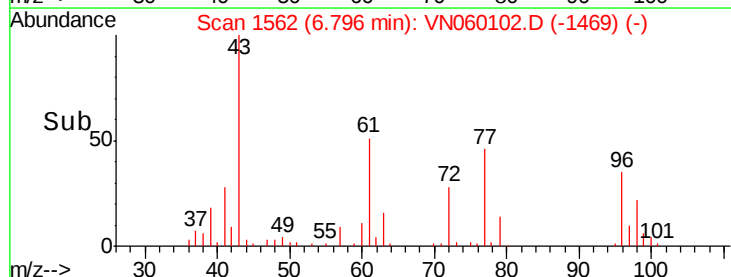
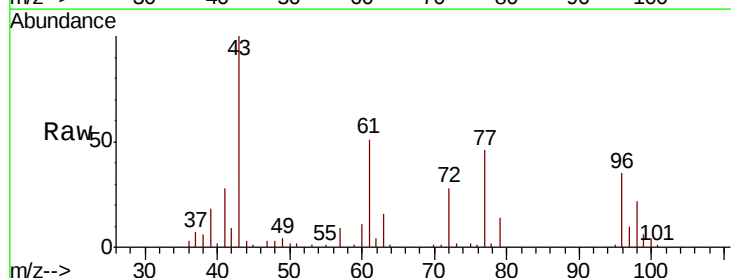
Manual Integrations
APPROVED

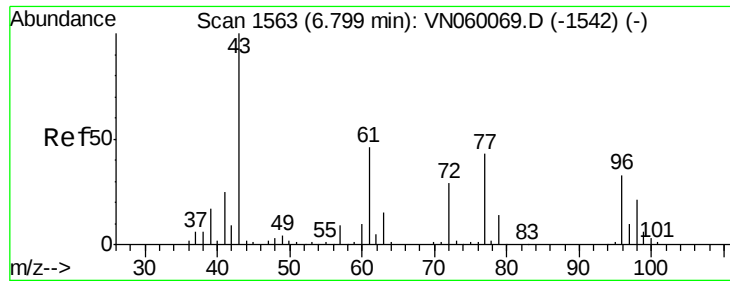
MMDadoda
2/18/2020 9:30:19 AM



#26
2,2-Dichloropropane
Concen: 19.816 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 77 Resp: 62282
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.134 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

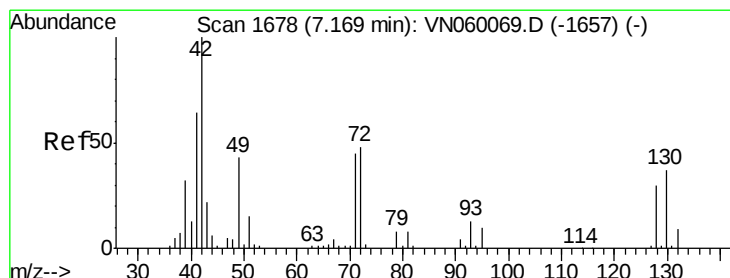
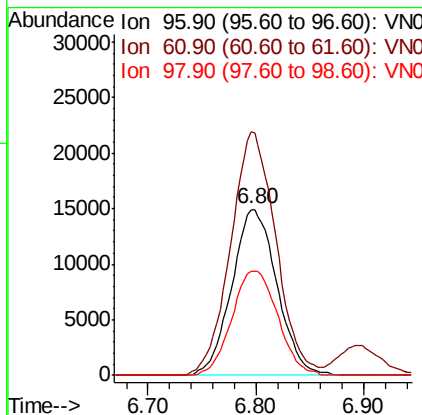
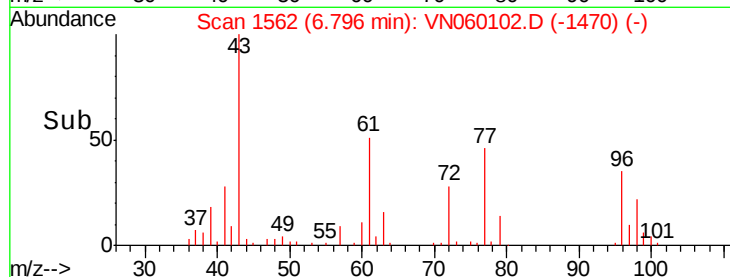
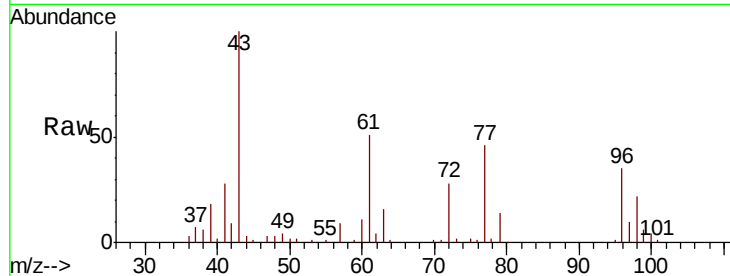
ClientSampleId :

VN0214WBSD01

Tot Ion:	96	Resp:	43497
Ion	Ratio	Lower	Upper
96	100		
61	146.8	0.0	285.8
98	63.8	0.0	129.6

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#28

Bromochloromethane

Concen: 21.157 ug/l

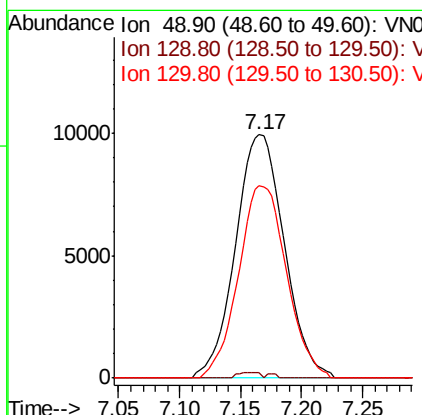
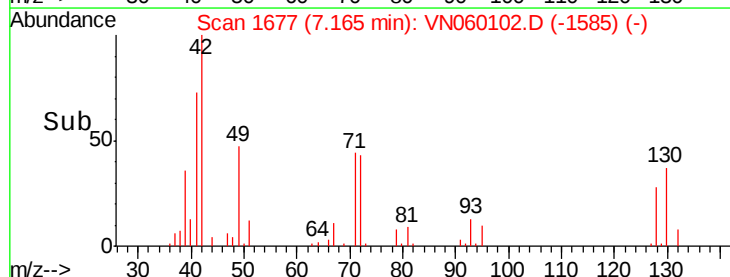
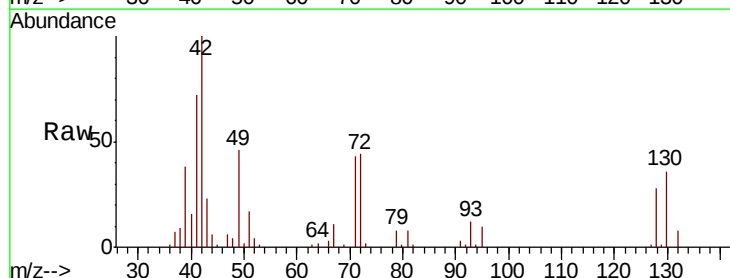
RT: 7.17 min Scan# 1677

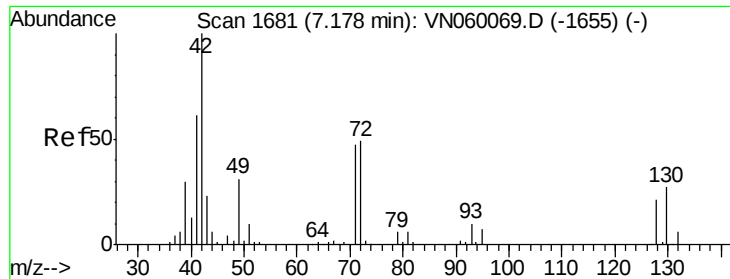
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	49	Resp:	27524
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.2
130	78.0	66.8	100.2





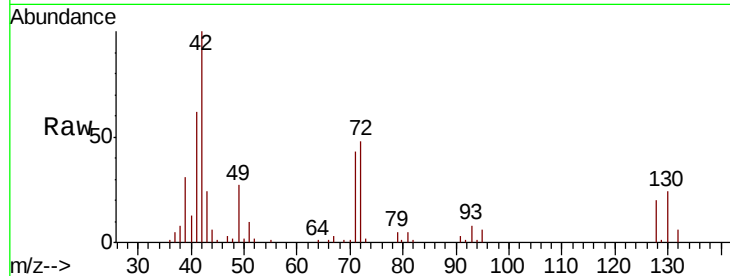
#29
Tetrahydrofuran
Concen: 111.445 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

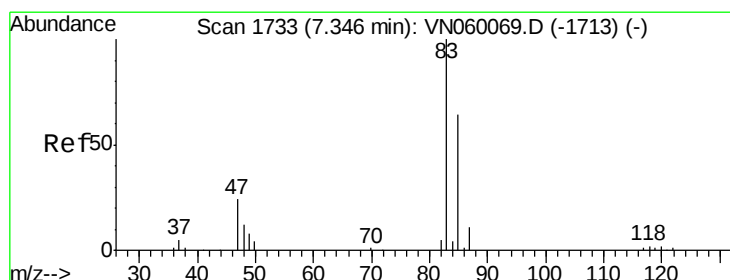
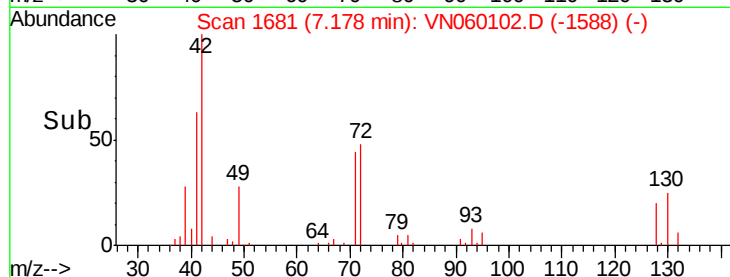
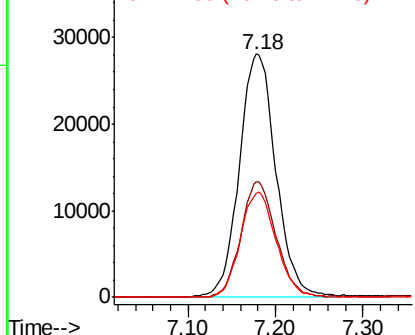
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	38.2	57.4
71	42.3	36.6	54.8

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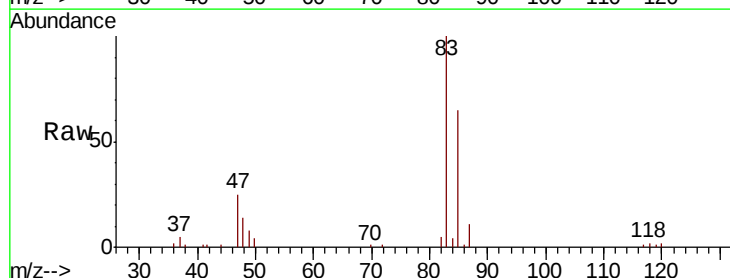


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

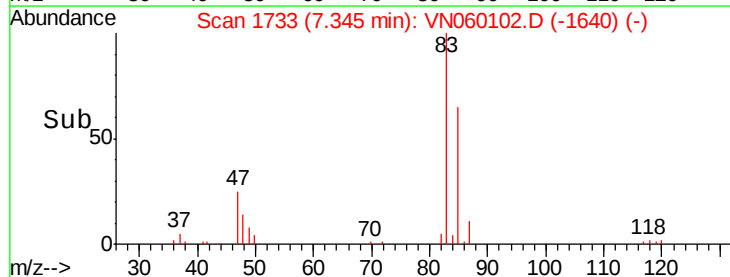
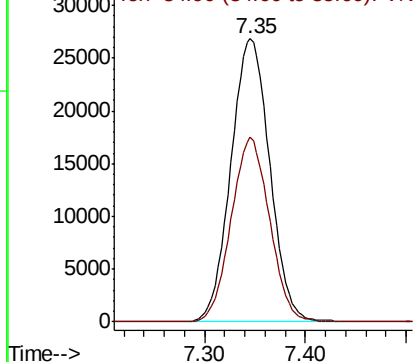


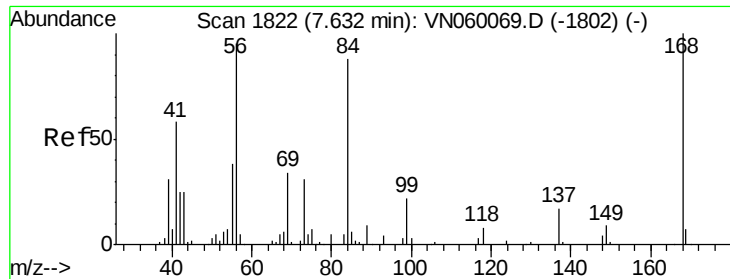
#30
Chloroform
Concen: 20.687 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





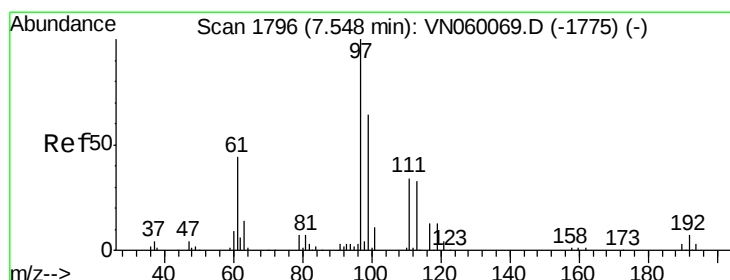
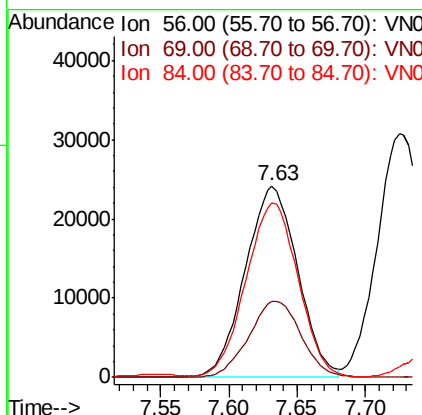
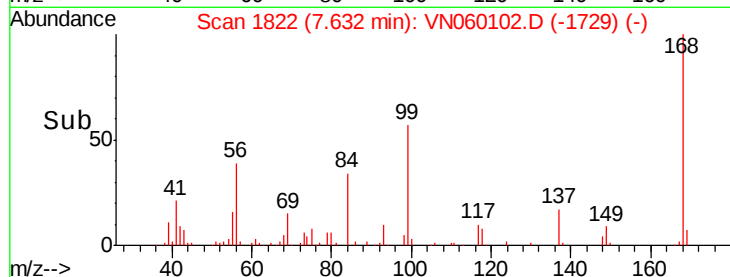
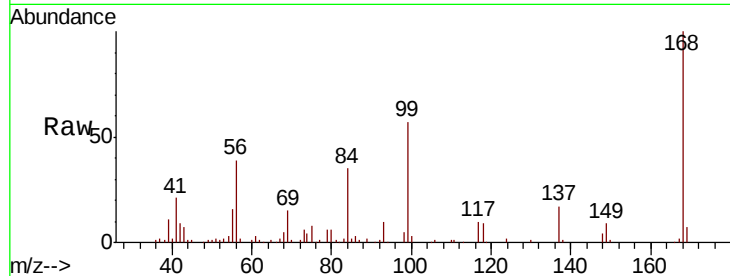
#31
Cyclohexane
Concen: 20.886 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	28.3	42.5
84	89.9	72.6	108.8

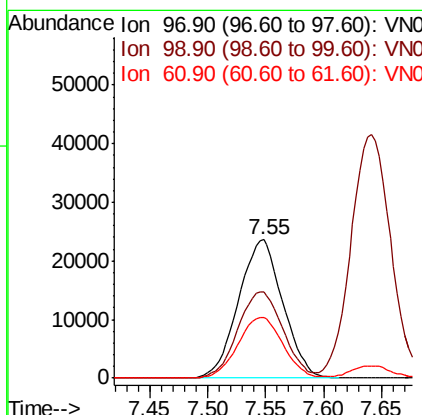
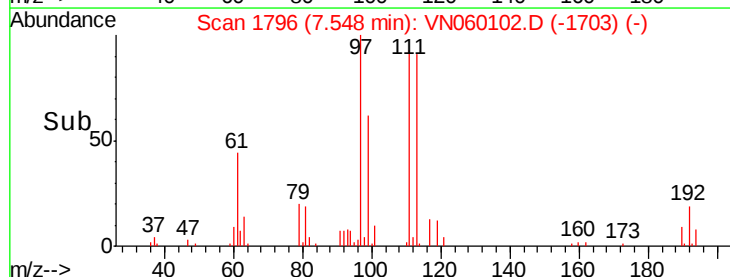
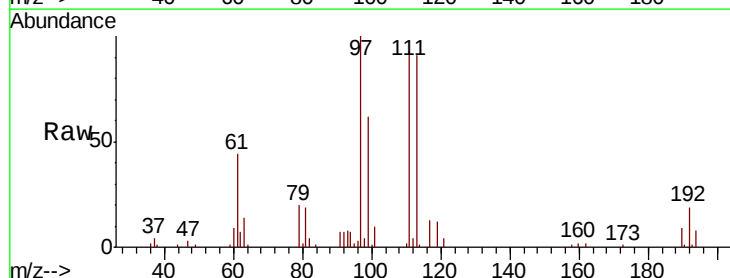
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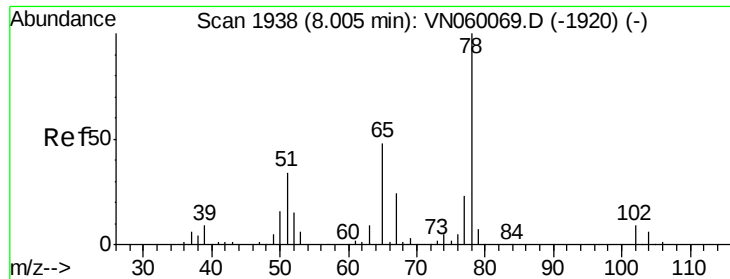
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#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.0
61	44.6	34.9	52.3





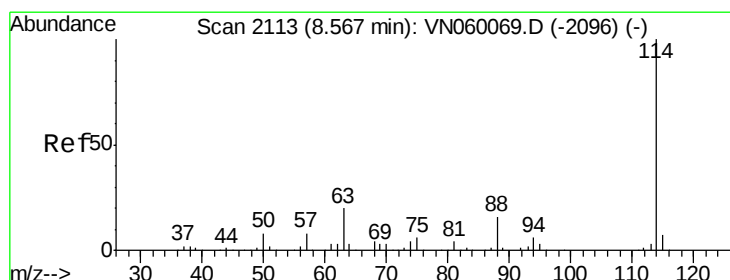
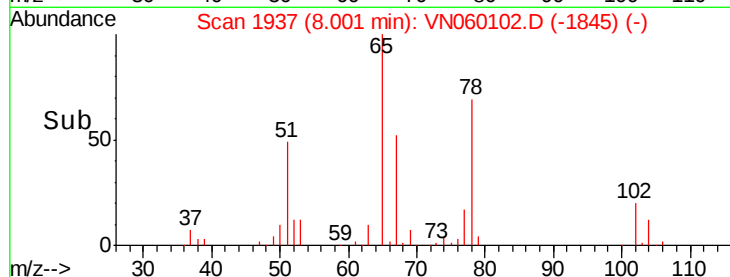
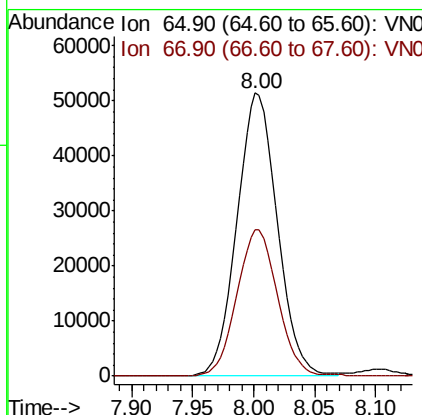
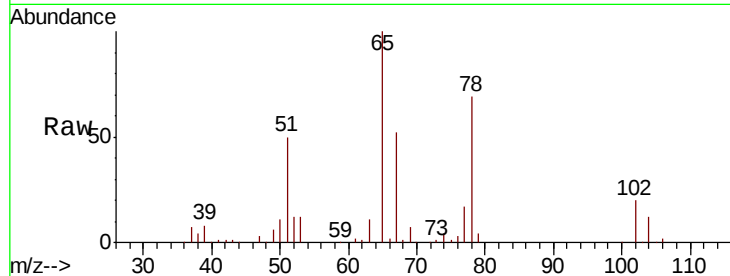
#33
 1,2-Dichloroethane-d4
 Concen: 53.978 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion: 65 Resp: 117644
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.0

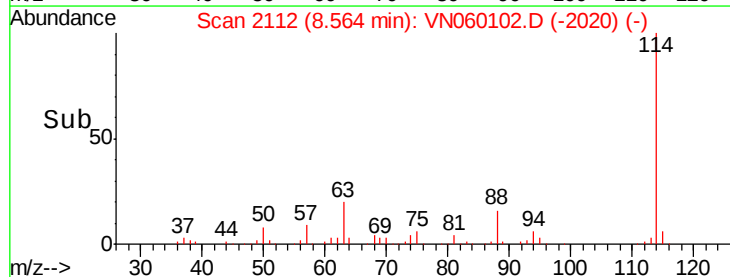
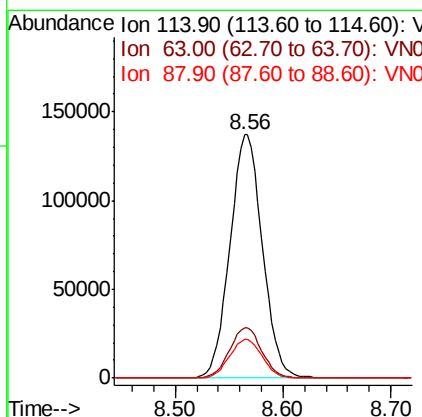
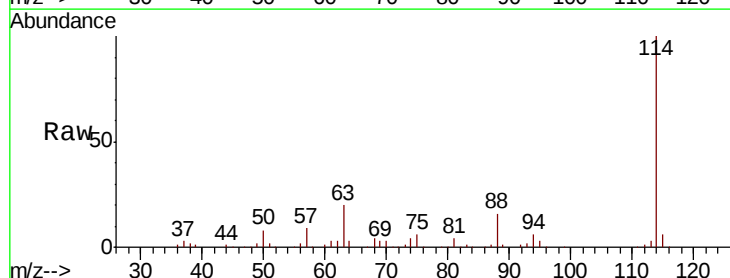
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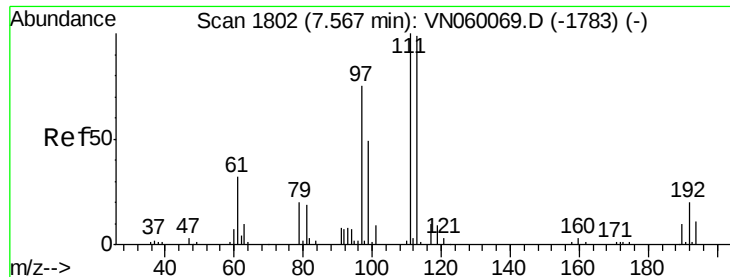
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion: 114 Resp: 288164
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.9 0.0 31.6





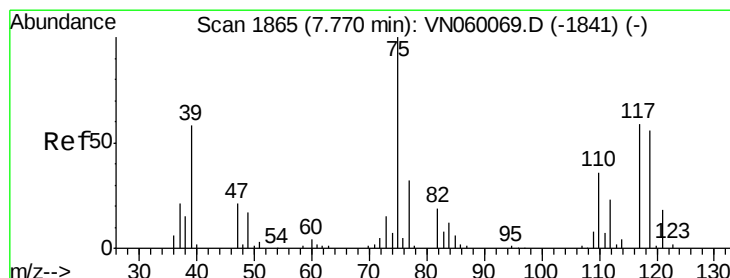
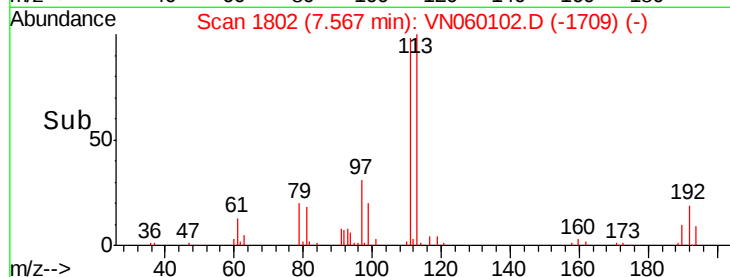
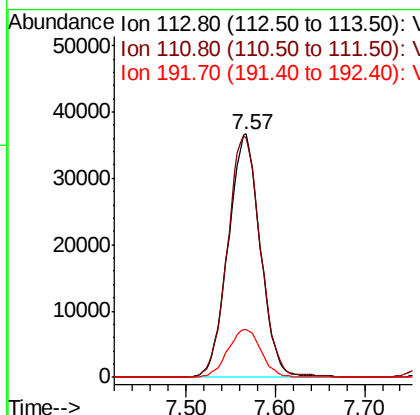
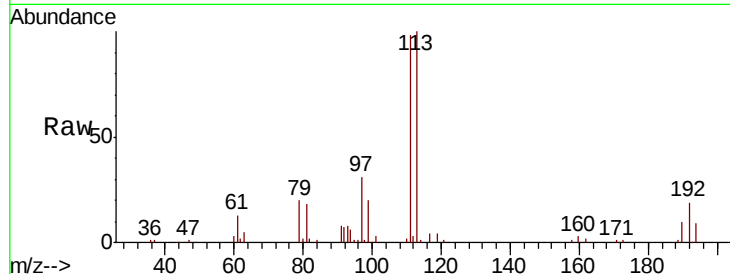
#35
 Dibromofluoromethane
 Concen: 51.517 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.2
192	20.3	16.2	24.2

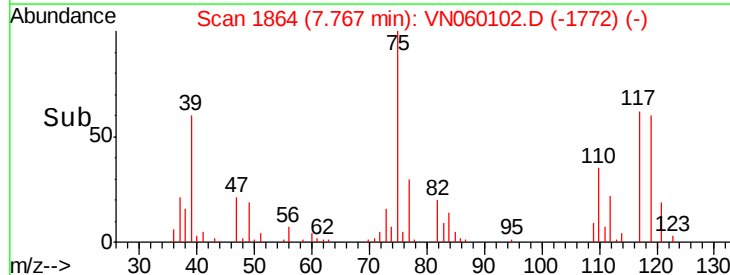
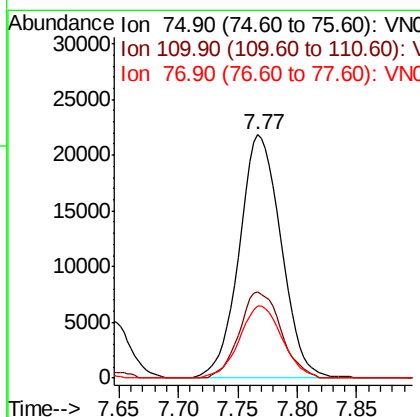
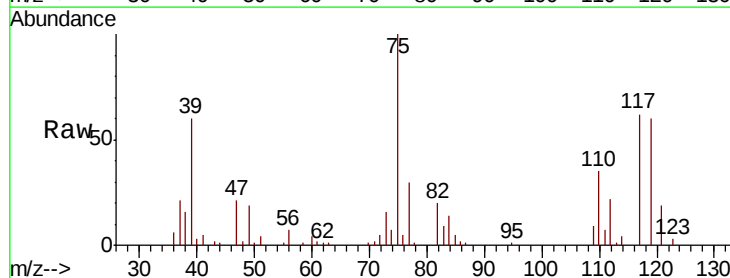
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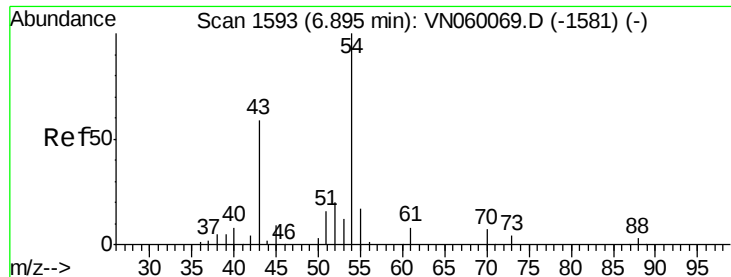
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#36
 1,1-Dichloropropene
 Concen: 19.949 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.1	54.3
77	30.2	25.1	37.7





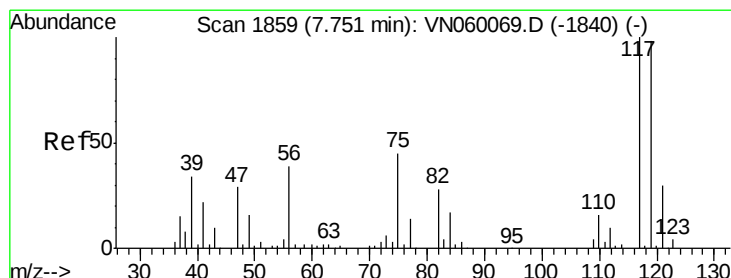
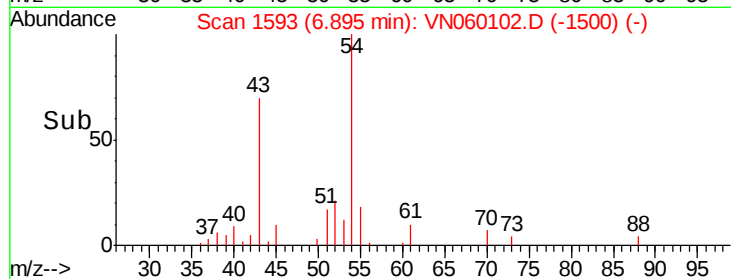
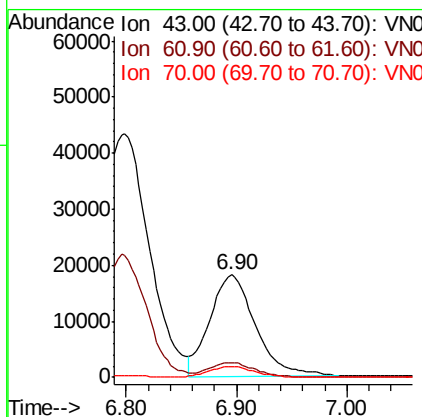
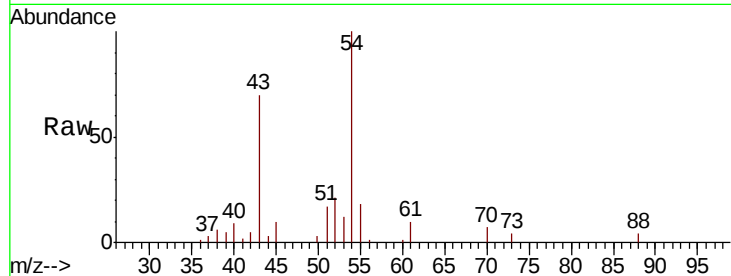
#37
Ethyl Acetate
Concen: 21.374 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.4	17.2
70	10.8	8.7	13.1

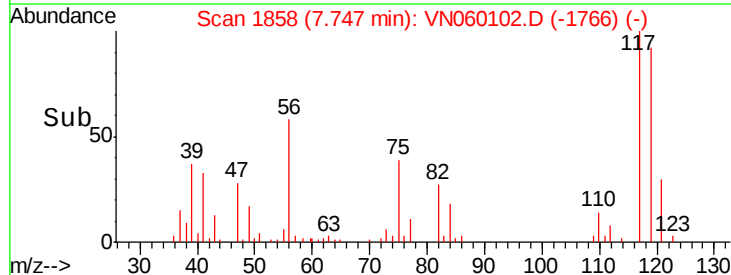
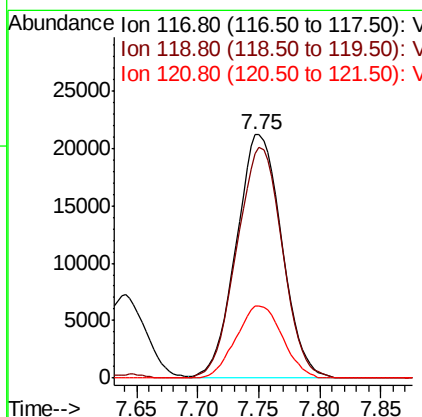
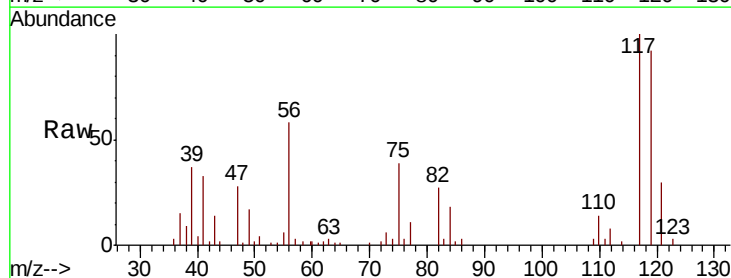
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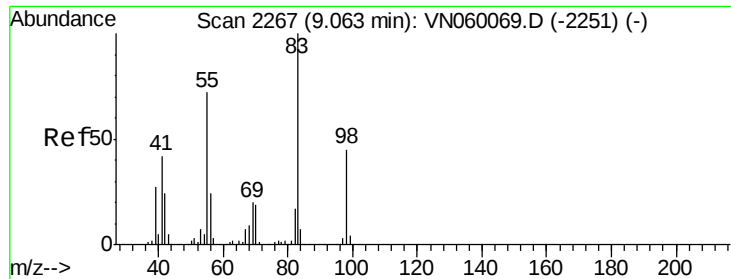
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#38
Carbon Tetrachloride
Concen: 18.895 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.2	117.4
121	29.7	24.2	36.2





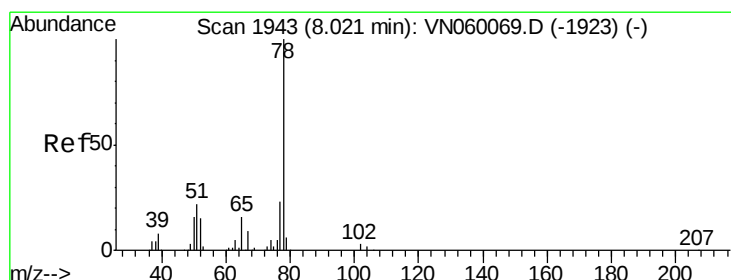
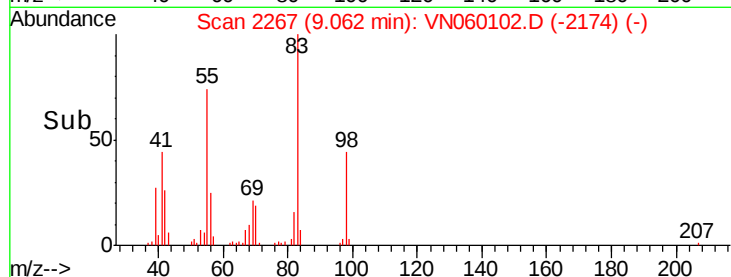
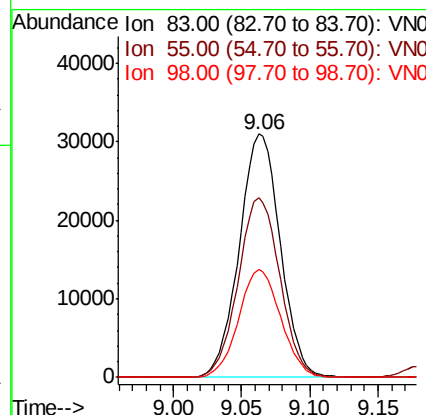
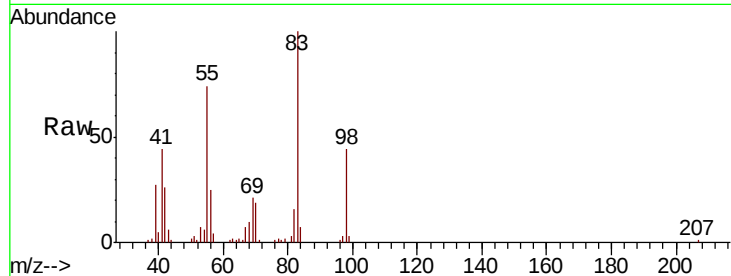
#39
Methvlcvclohexane
Concen: 19.538 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	57.8	86.8
98	44.4	36.4	54.6

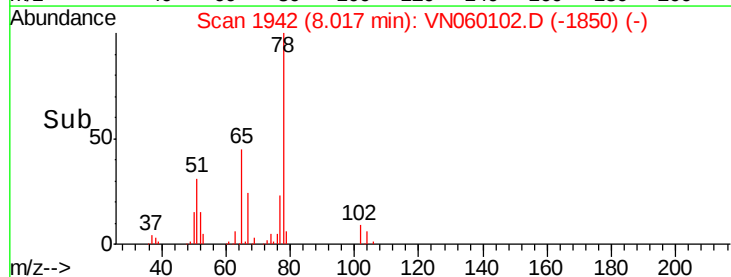
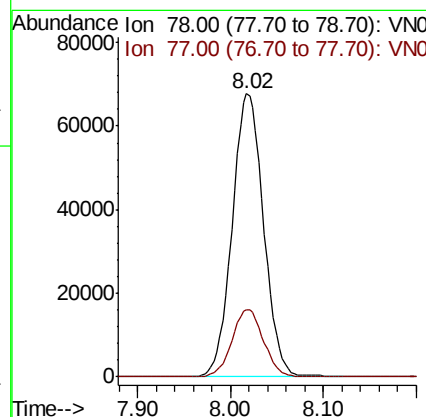
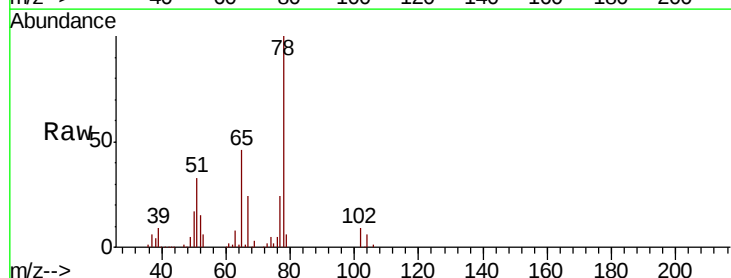
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#40
Benzene
Concen: 20.032 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





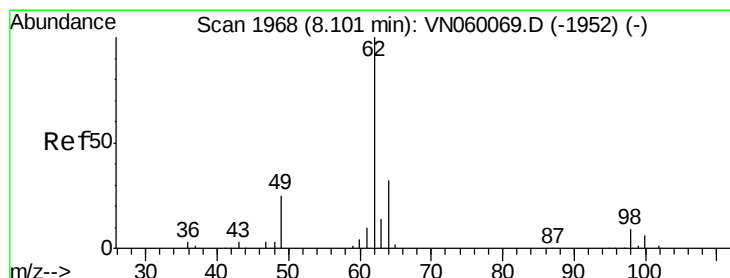
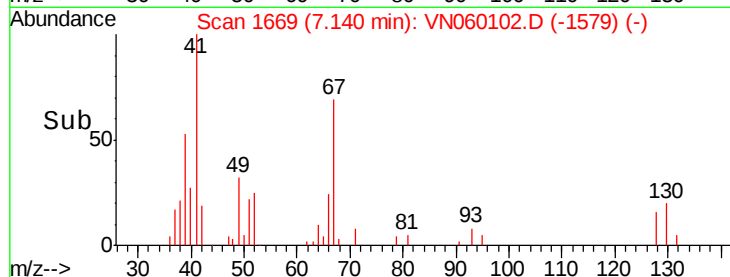
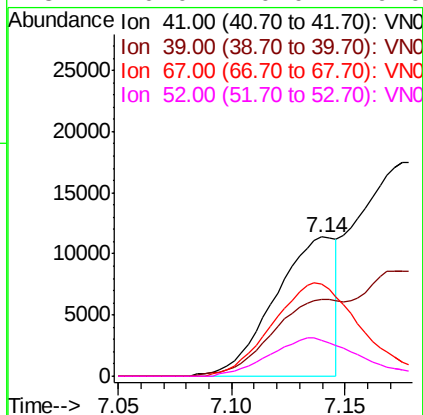
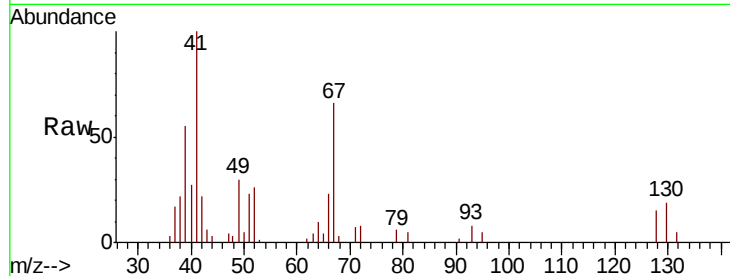
#41
Methacrylonitrile
Concen: 21.201 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	41	Resp	21448
Ion Ratio	Lower	Upper	
41	100		
39	104.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

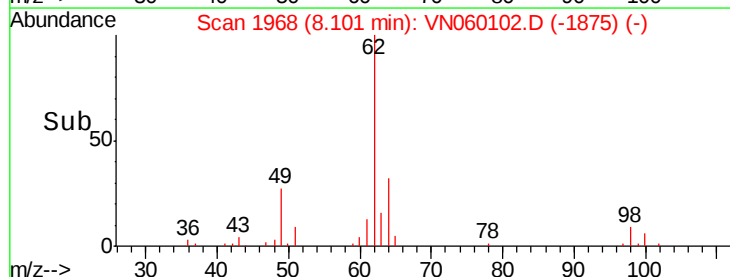
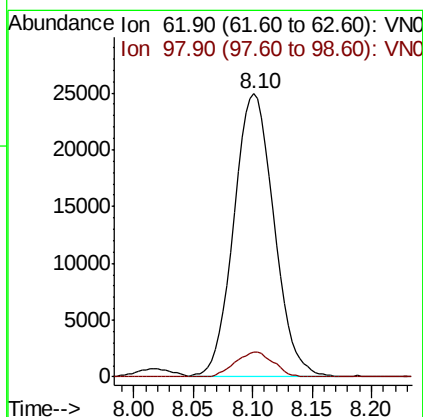
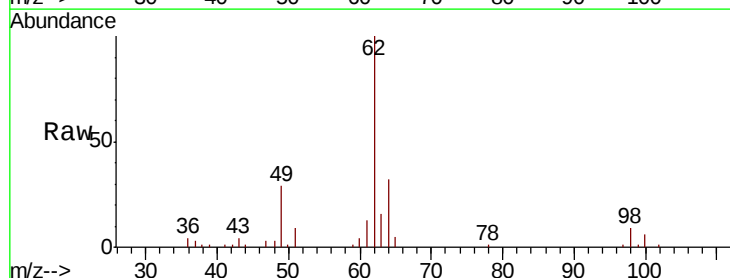
Manual Integrations
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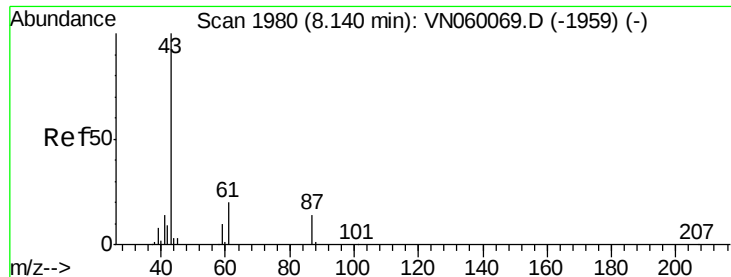
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#42
1,2-Dichloroethane
Concen: 21.097 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	62	Resp	58545
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	18.2





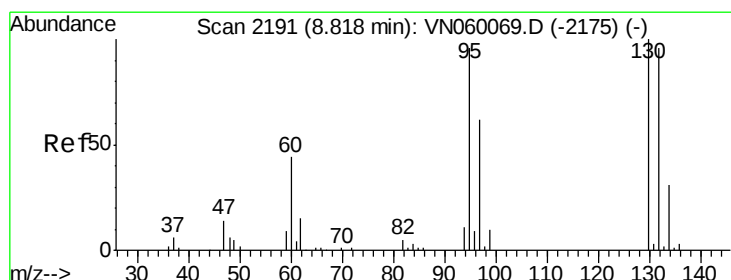
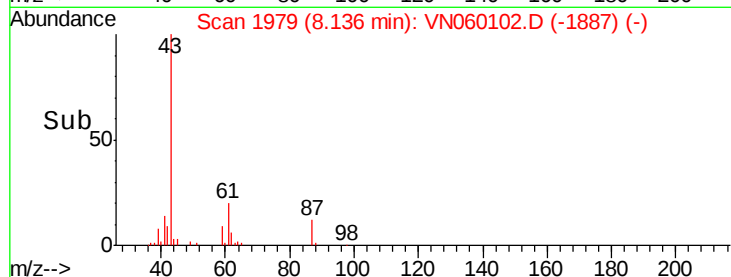
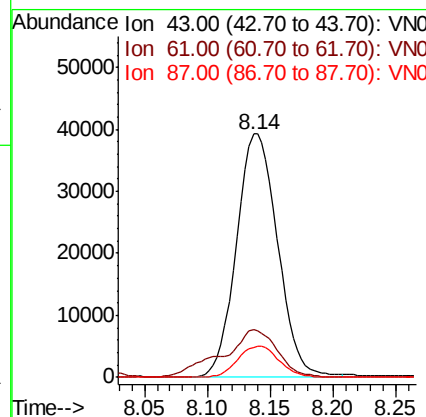
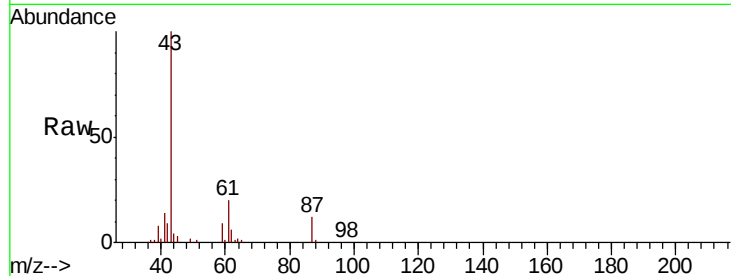
#43
Isopropyl Acetate
Concen: 21.782 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleID :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.8	32.6
87	12.7	11.4	17.2

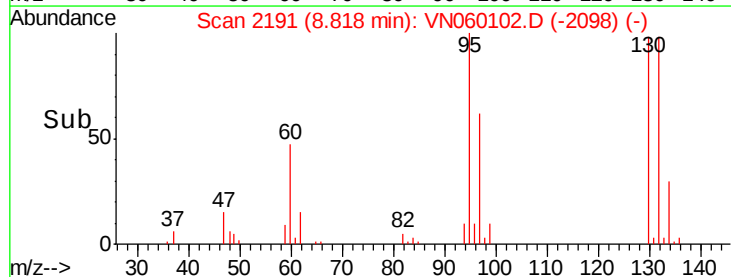
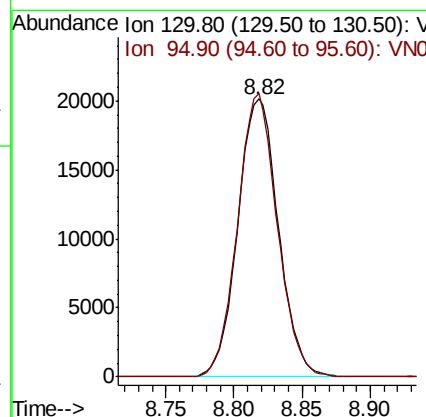
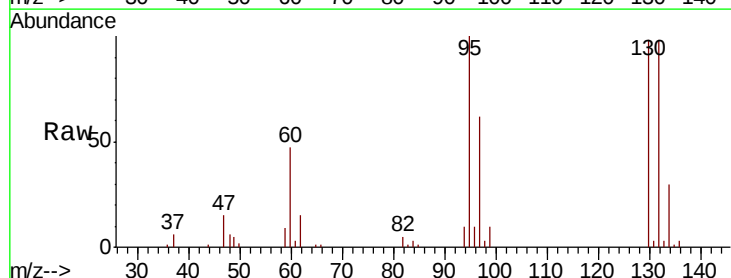
Manual Integrations
APPROVED

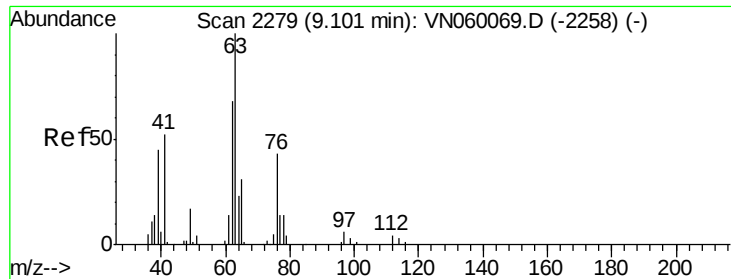
MMDadoda
2/18/2020 9:30:19 AM



#44
Trichloroethene
Concen: 19.014 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	192.4





#45

1,2-Dichloropropane

Concen: 21.403 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 63 Resp: 41954

Ion Ratio Lower Upper

63 100

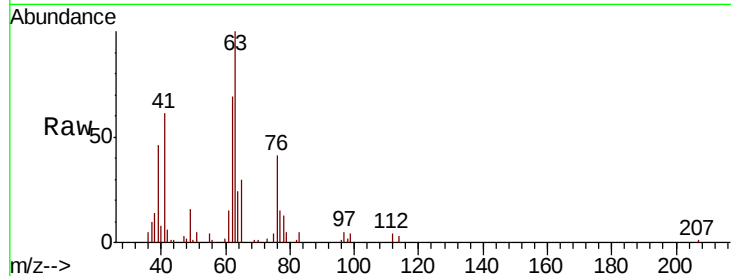
65 29.7 25.0 37.4

Manual Integrations

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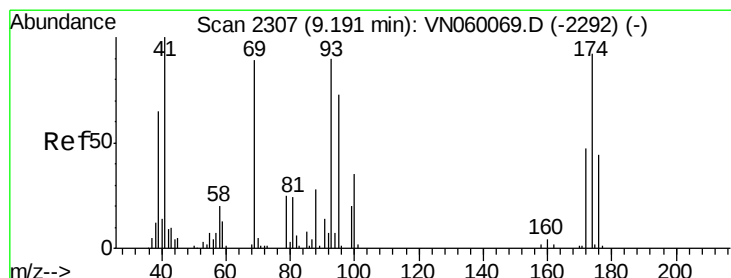
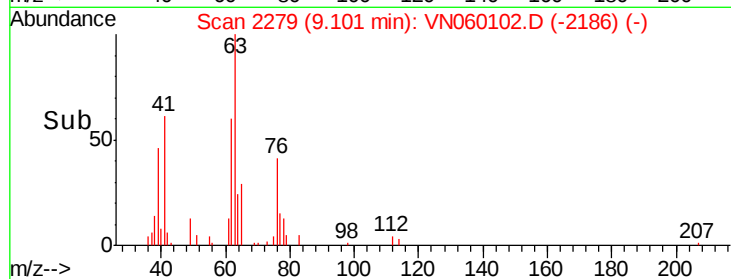
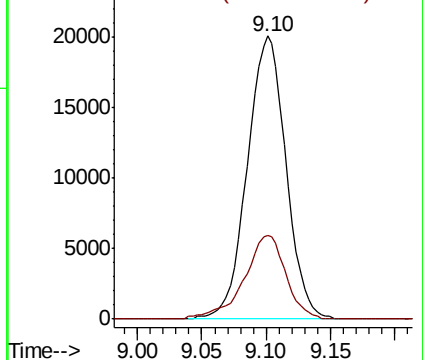
MMDadoda

2/18/2020 9:30:19 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.842 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

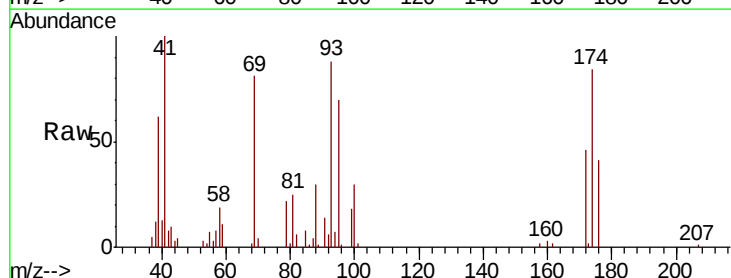
Tgt Ion: 93 Resp: 28871

Ion Ratio Lower Upper

93 100

95 81.4 65.0 97.6

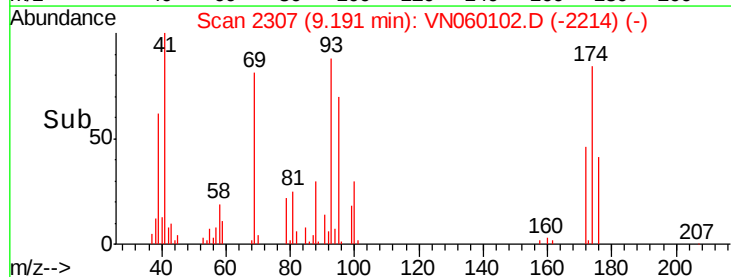
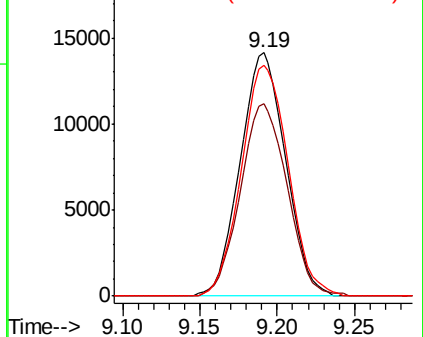
174 97.9 82.3 123.5

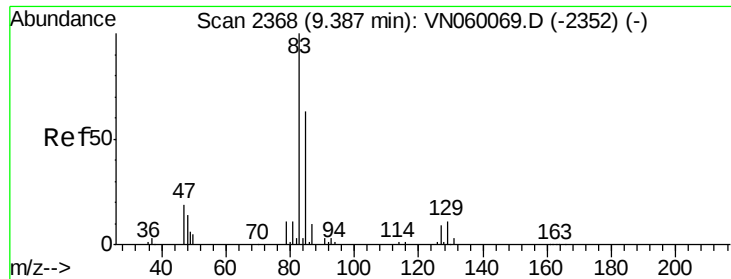


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





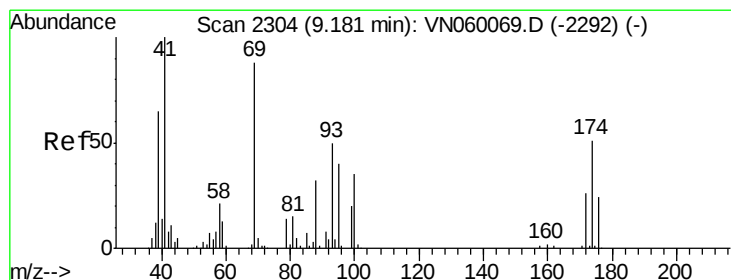
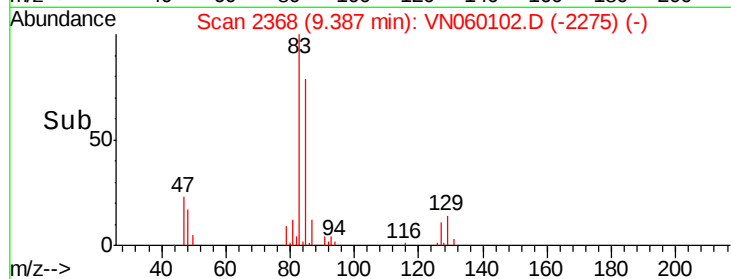
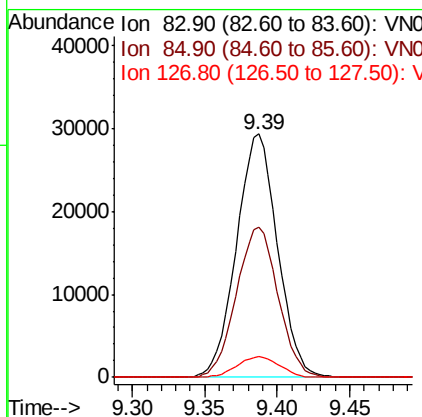
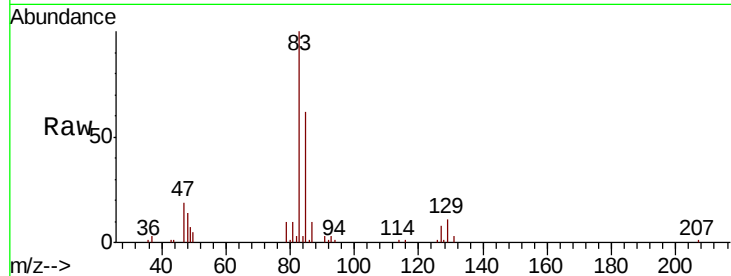
#47
Bromodichloromethane
Concen: 20.477 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	83	Resp	57669
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	50.6	75.8
127	8.4	7.0	10.6

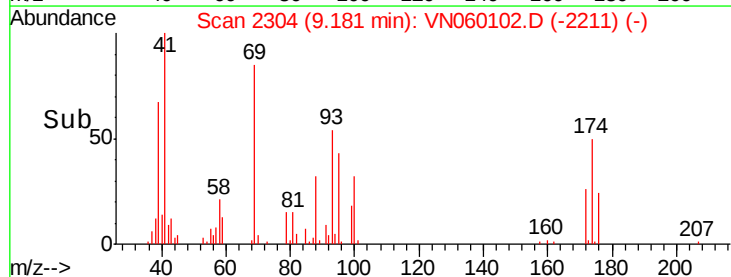
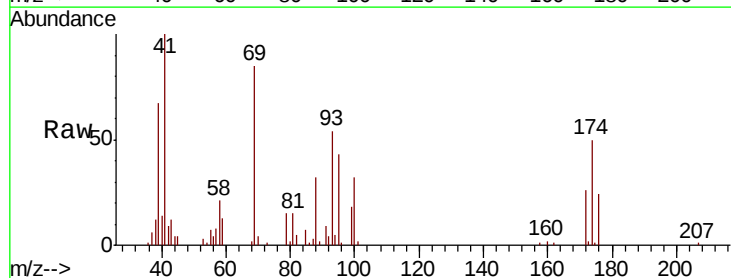
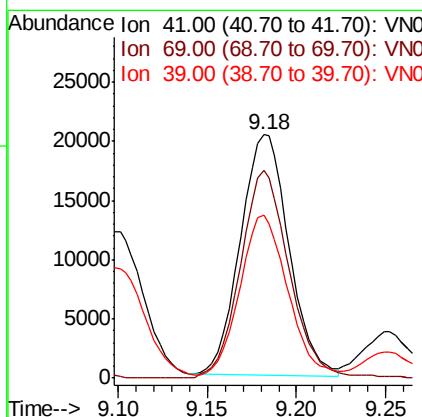
Manual Integrations
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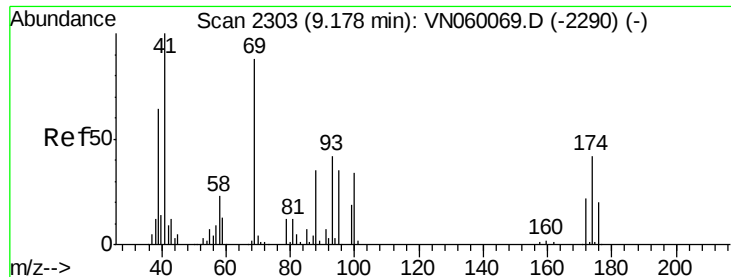
MMDadoda
2/18/2020 9:30:19 AM



#48
Methyl methacrylate
Concen: 20.906 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	41	Resp	38678
Ion Ratio	100	Lower	Upper
41	100		
69	86.6	72.0	108.0
39	68.0	54.1	81.1





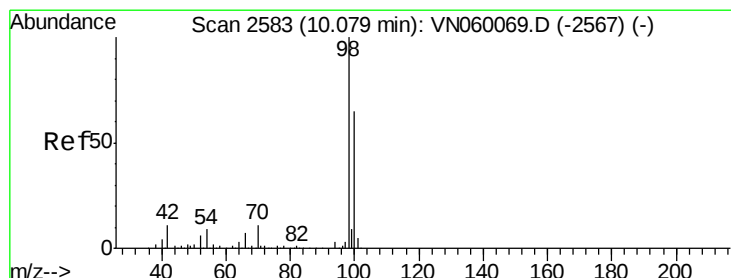
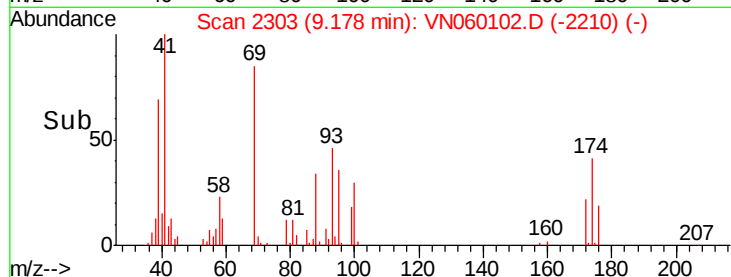
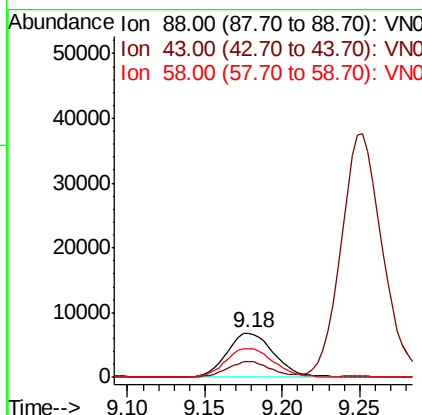
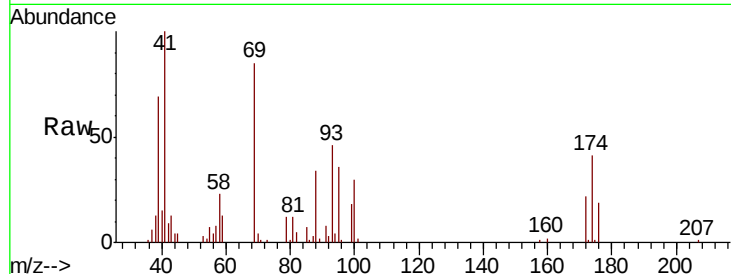
#49
1,4-Dioxane
Concen: 456.112 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	88	Resp	14418
Ion Ratio	Lower	Upper	
88	100		
43	33.0	26.2	39.2
58	66.2	53.2	79.8

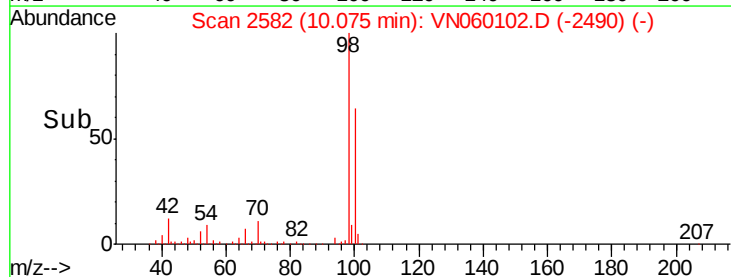
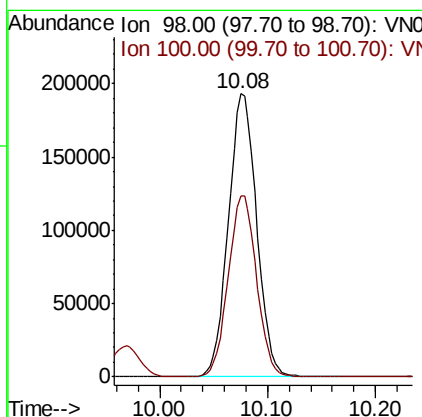
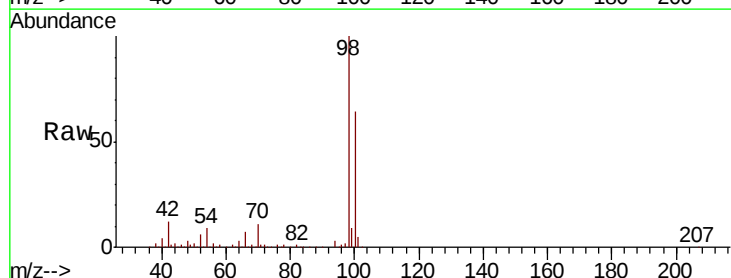
Manual Integrations
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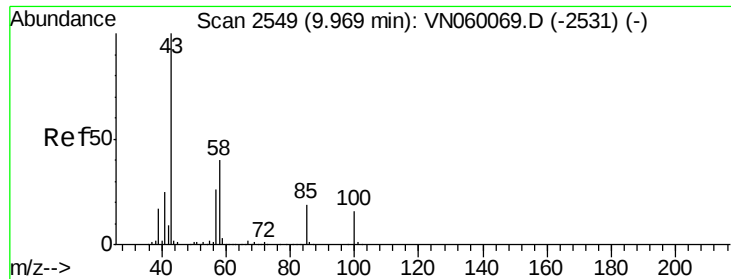
MMDadoda
2/18/2020 9:30:19 AM



#50
Toluene-d8
Concen: 50.687 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	98	Resp	353563
Ion Ratio	Lower	Upper	
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 108.551 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 43 Resp: 259088

Ion Ratio Lower Upper

43 100

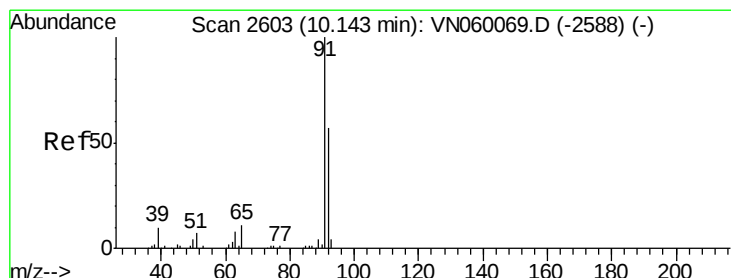
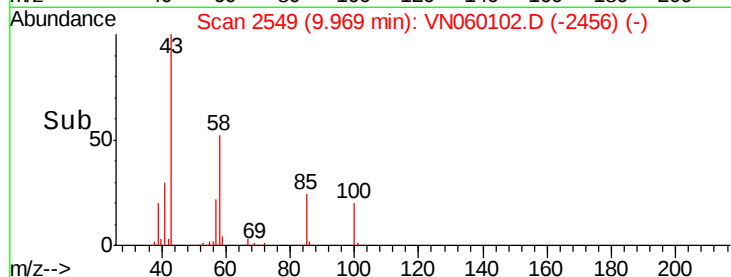
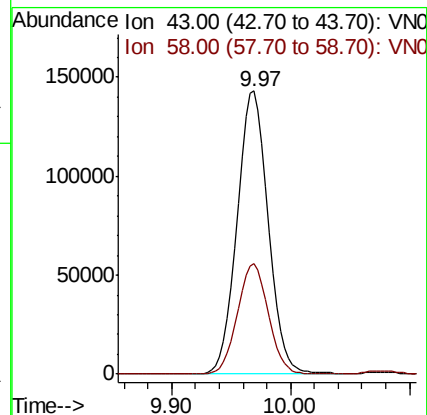
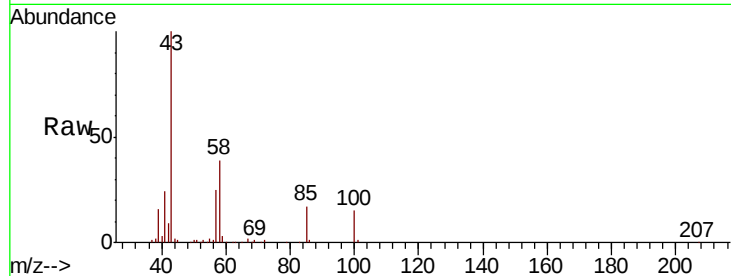
58 38.8 31.8 47.8

Manual Integrations

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2/18/2020 9:30:19 AM



#52

Toluene

Concen: 19.617 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060102.D

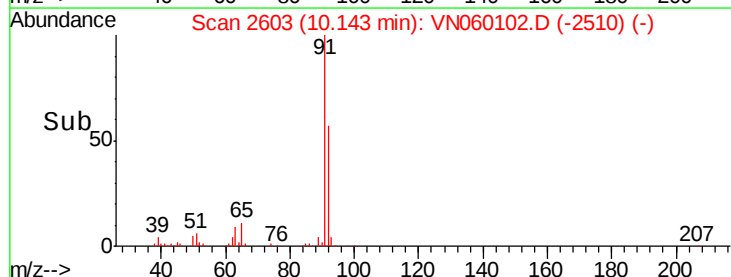
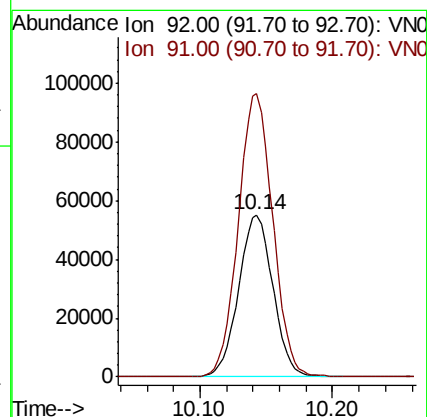
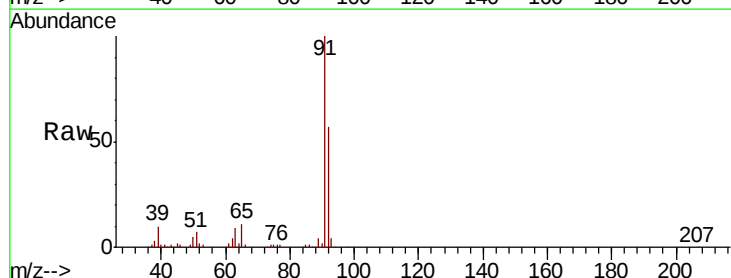
Acq: 14 Feb 2020 11:39

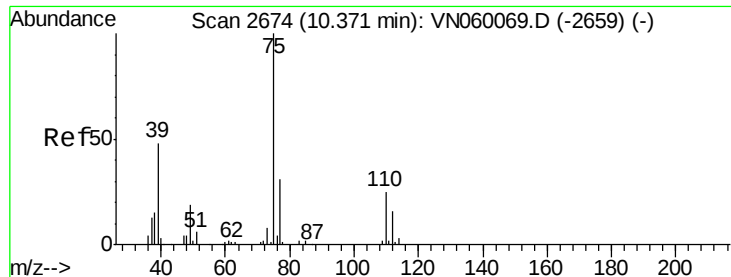
Tgt Ion: 92 Resp: 99598

Ion Ratio Lower Upper

92 100

91 175.2 140.9 211.3





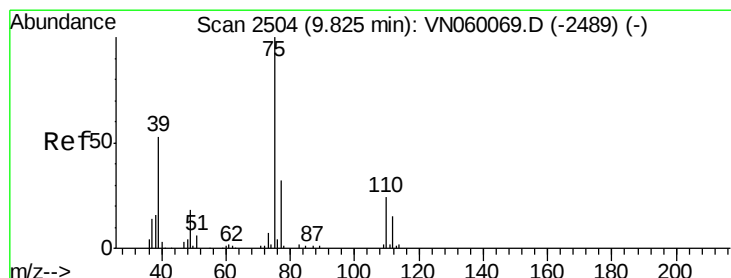
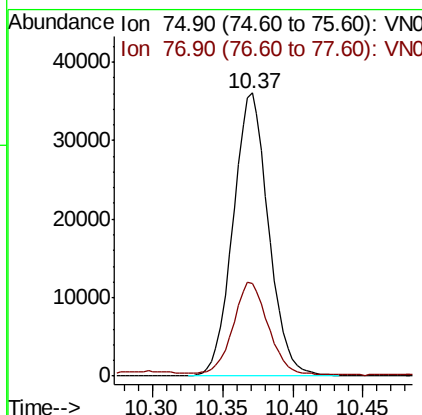
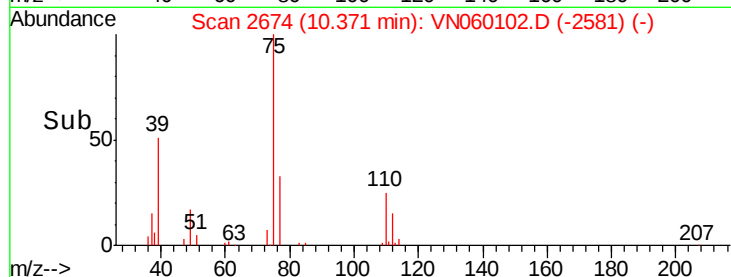
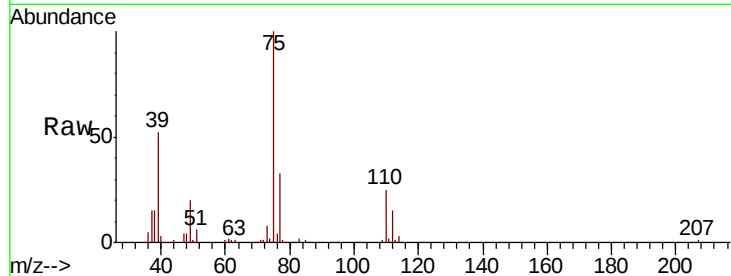
#53
t-1,3-Dichloropropene
Concen: 19.999 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion: 75 Resp: 63574
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

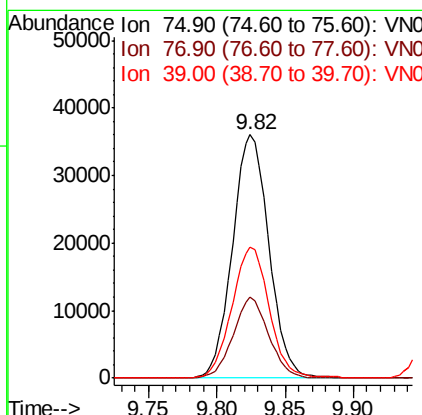
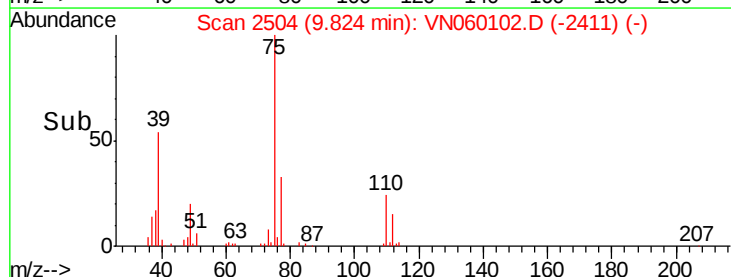
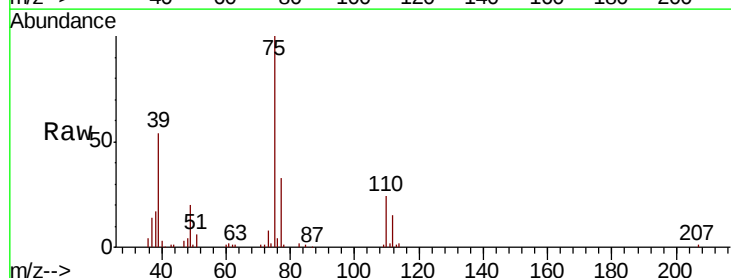
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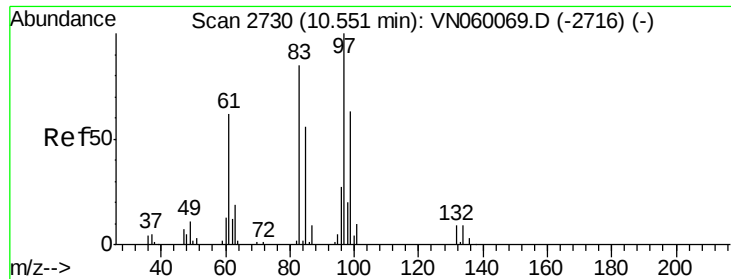
MMDadoda
2/18/2020 9:30:19 AM



#54
cis-1,3-Dichloropropene
Concen: 20.004 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 75 Resp: 66962
Ion Ratio Lower Upper
75 100
77 33.1 25.6 38.4
39 54.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 20.056 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 97 Resp: 39726

Ion Ratio Lower Upper

97 100

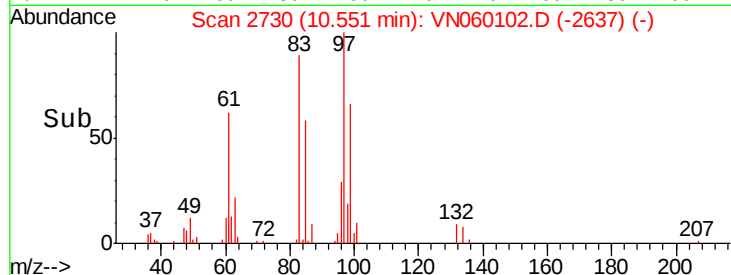
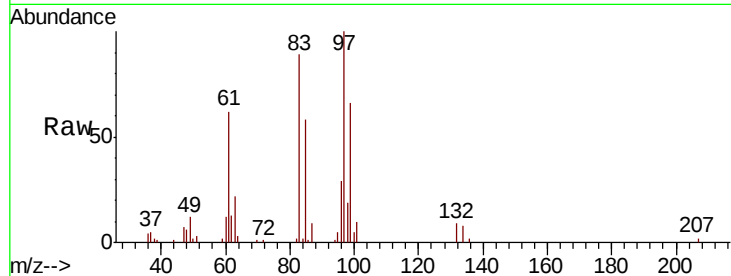
83 88.7 67.9 101.9

85 58.4 44.6 67.0

99 65.5 50.1 75.1

Manual Integrations
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MMDadoda
2/18/2020 9:30:19 AM

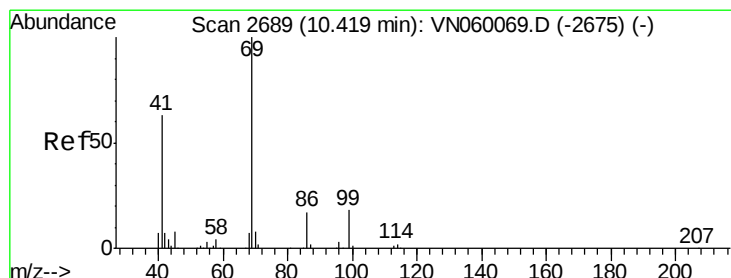
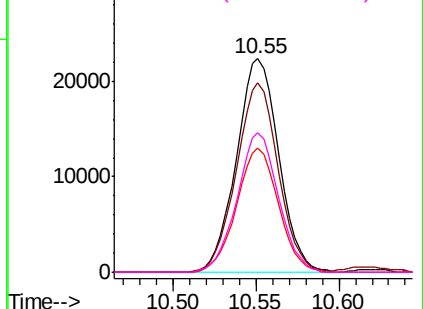


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.554 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

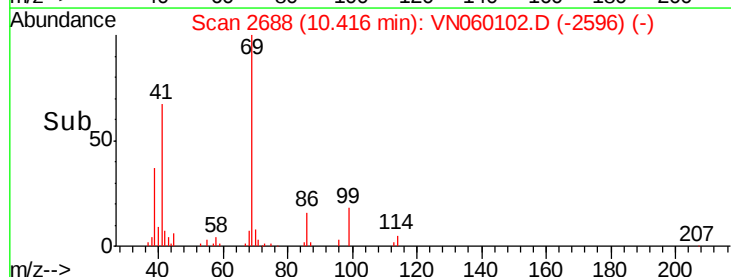
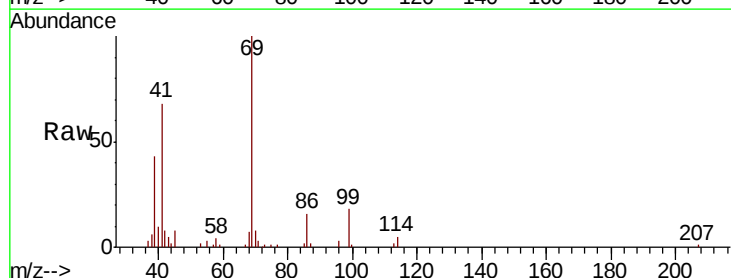
Tgt Ion: 69 Resp: 57592

Ion Ratio Lower Upper

69 100

41 68.9 51.1 76.7

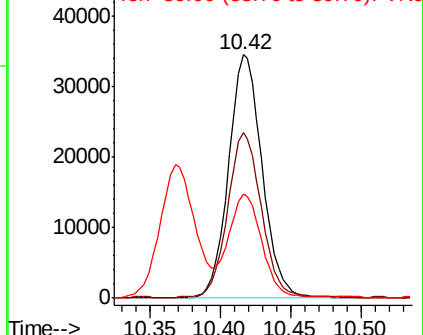
39 43.8 33.8 50.8

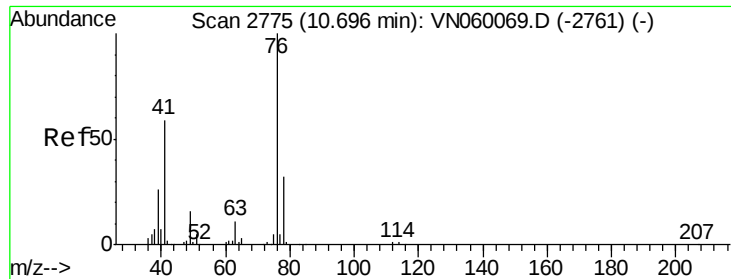


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.512 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 76 Resp: 67041

Ion Ratio Lower Upper

76 100

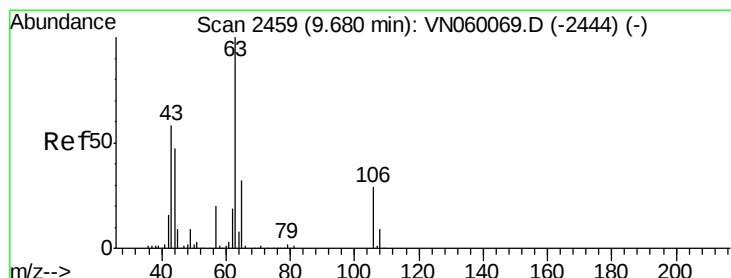
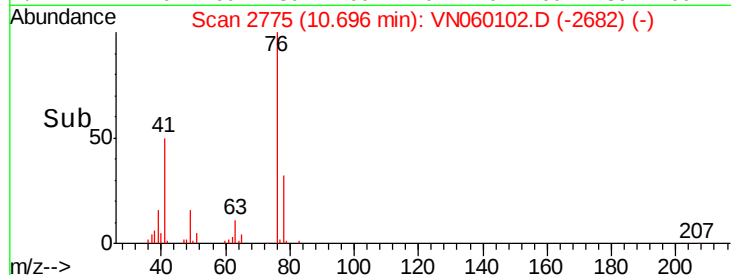
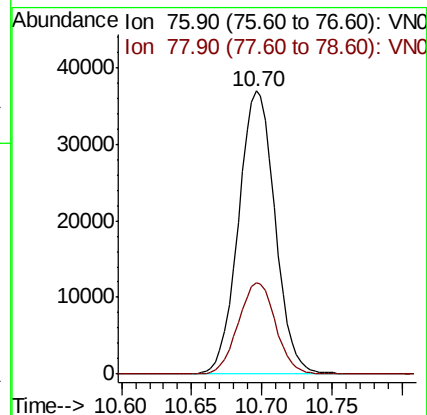
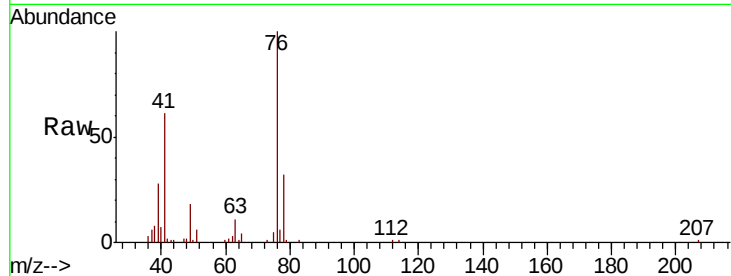
78 32.9 25.7 38.5

Manual Integrations

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MMDadoda

2/18/2020 9:30:19 AM



#58

2-Chloroethyl Vinyl ether

Concen: 108.973 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060102.D

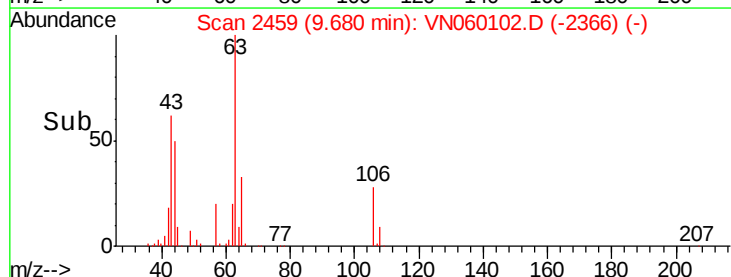
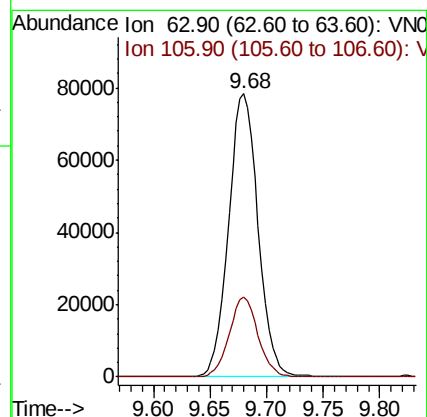
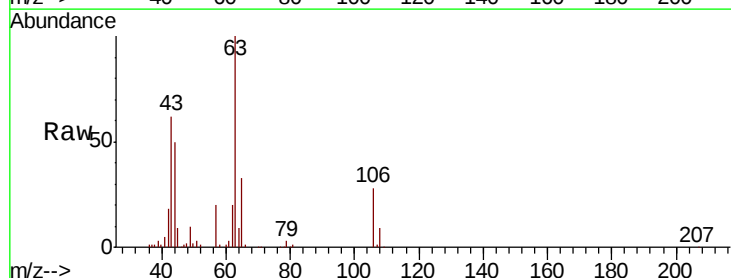
Acq: 14 Feb 2020 11:39

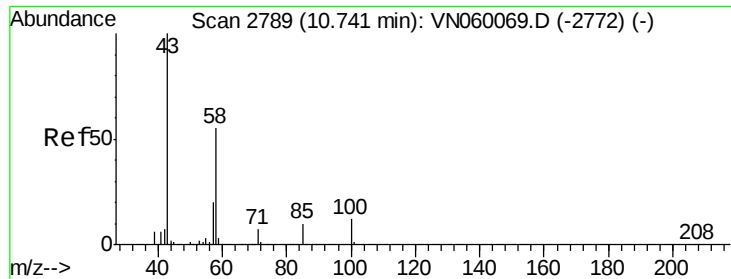
Tgt Ion: 63 Resp: 142251

Ion Ratio Lower Upper

63 100

106 27.4 22.9 34.3





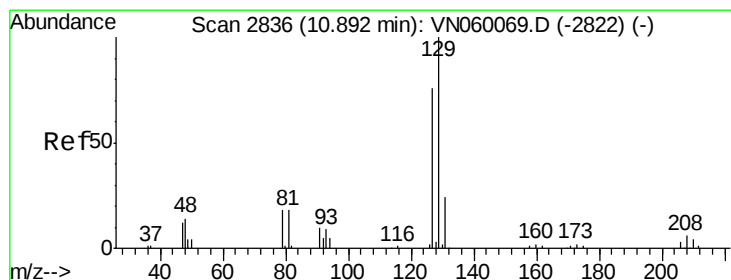
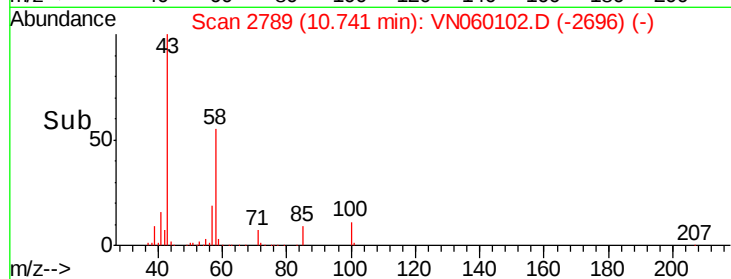
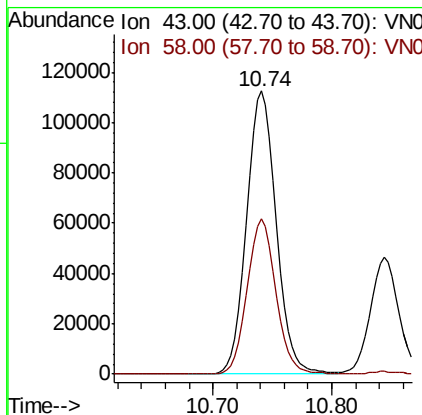
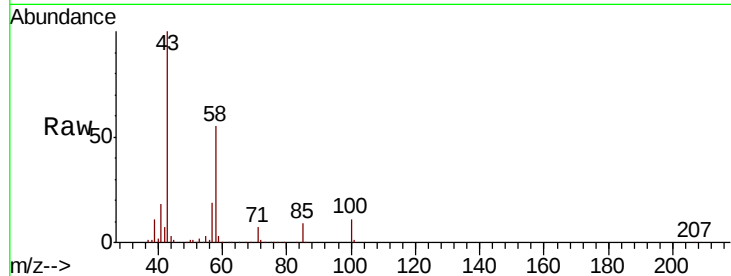
#59
2-Hexanone
Concen: 105.352 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	27.5	82.4

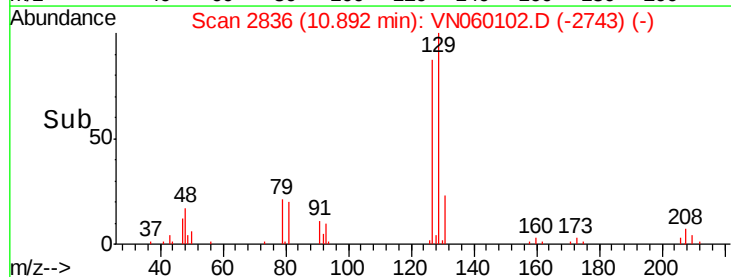
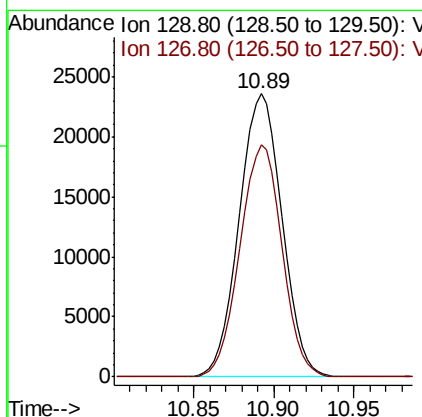
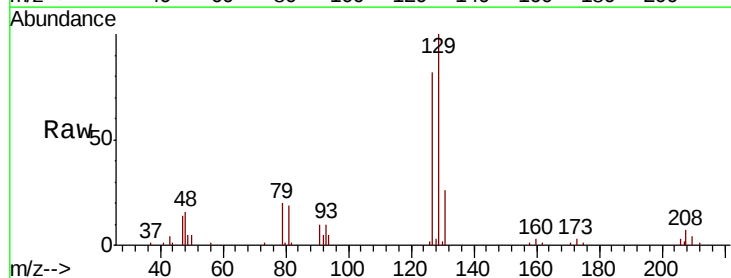
Manual Integrations
APPROVED

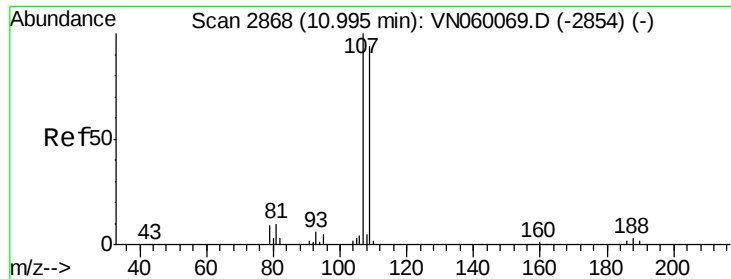
MMDadoda
2/18/2020 9:30:19 AM



#60
Dibromochloromethane
Concen: 18.992 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.2	38.0	114.1





#61

1,2-Dibromoethane

Concen: 19.942 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 107 Resp: 41408

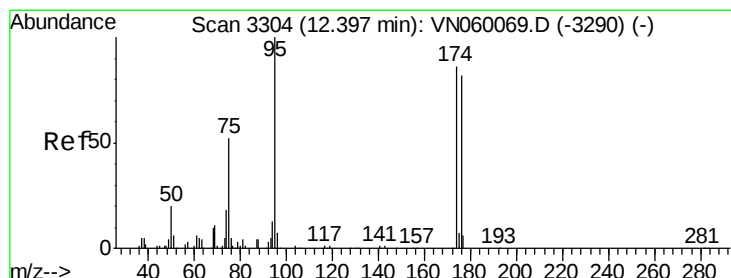
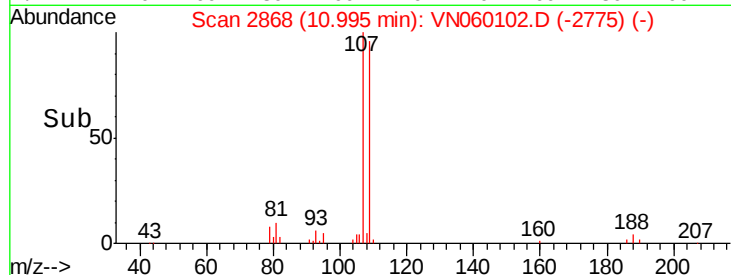
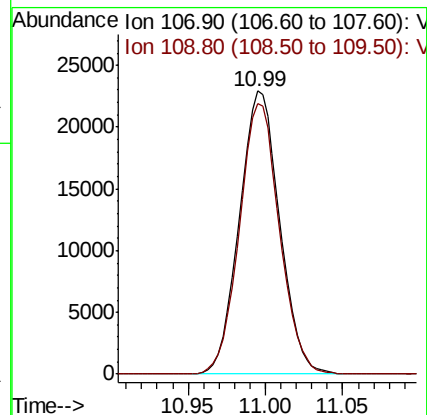
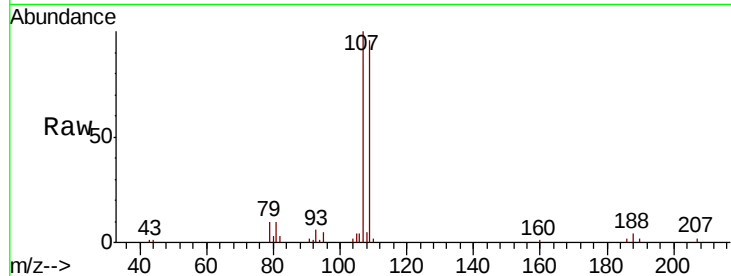
Ion Ratio Lower Upper

107 100

109 95.2 75.4 113.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:30:19 AM



#62

4-Bromofluorobenzene

Concen: 50.191 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

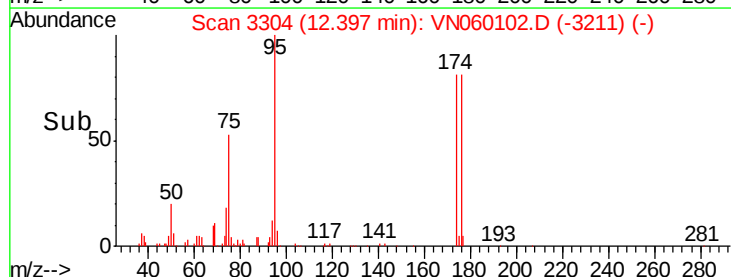
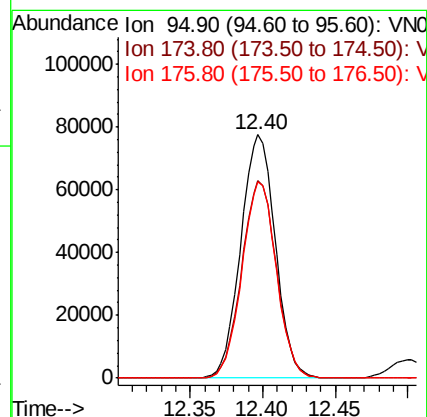
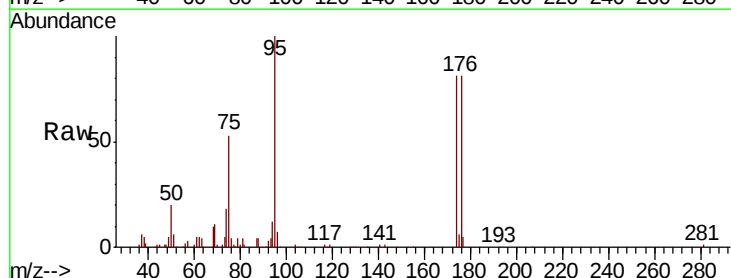
Tgt Ion: 95 Resp: 128648

Ion Ratio Lower Upper

95 100

174 81.5 0.0 169.8

176 80.2 0.0 164.8





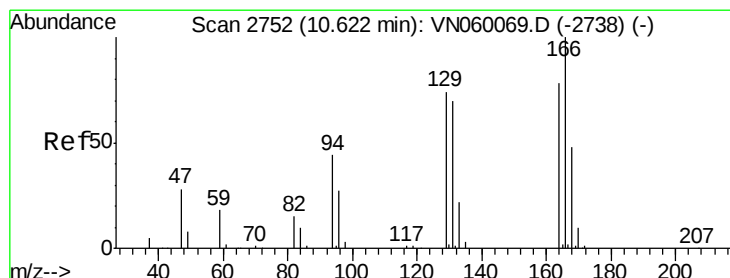
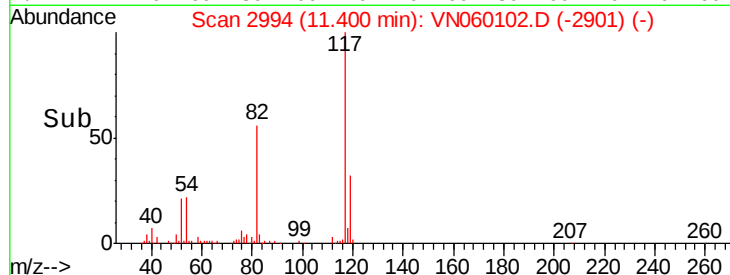
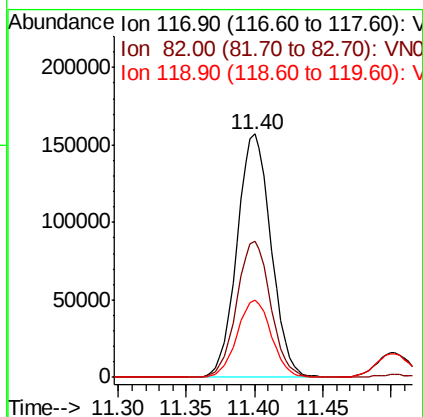
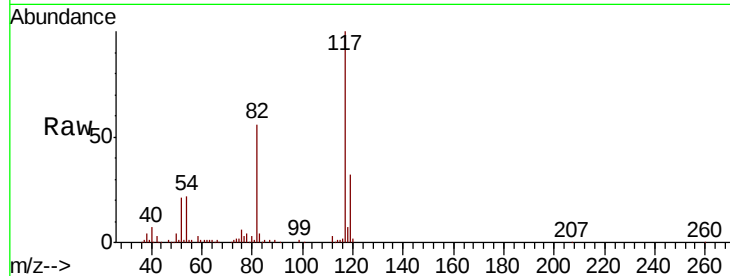
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.4	65.0
119	31.8	25.8	38.6

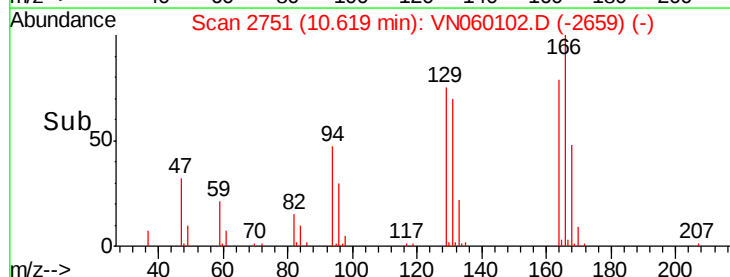
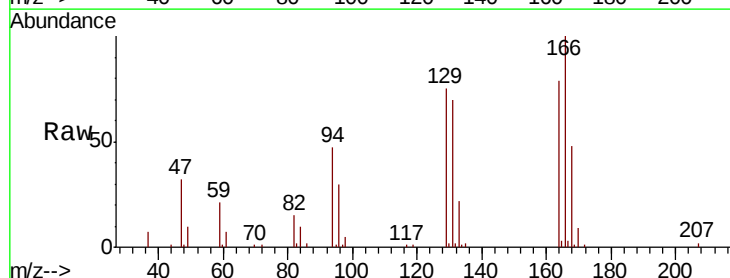
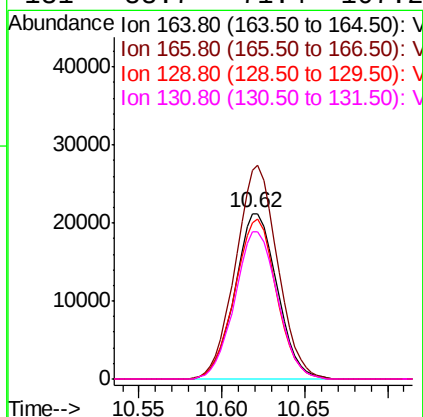
Manual Integrations
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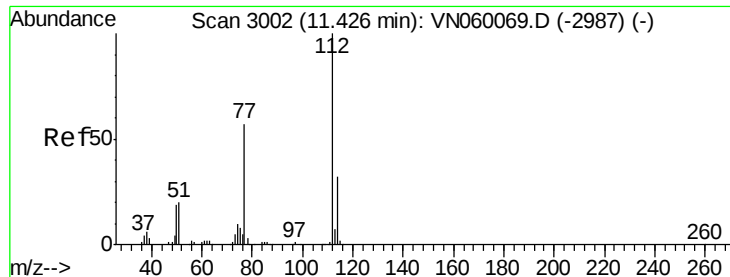
MMDadoda
2/18/2020 9:30:19 AM



#64
Tetrachloroethene
Concen: 18.225 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.9	152.9
129	94.5	75.4	113.0
131	88.7	71.4	107.2





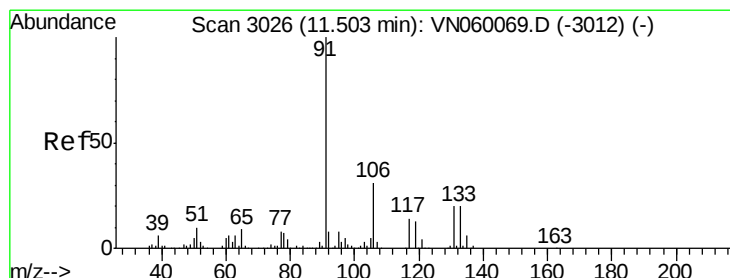
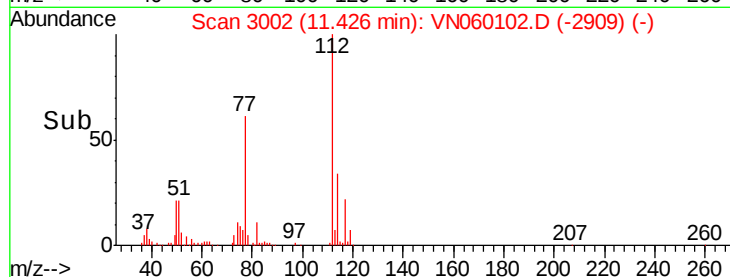
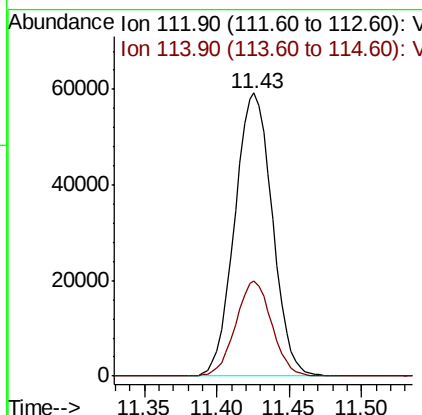
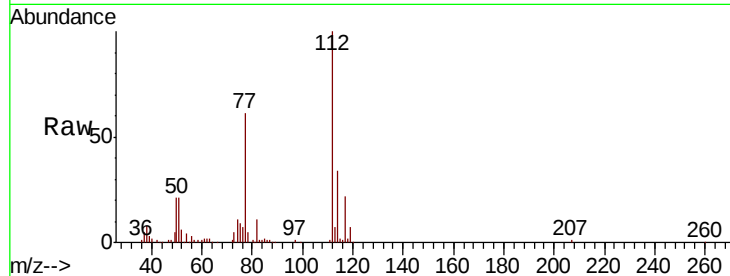
#65
Chlorobenzene
Concen: 19.223 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.0

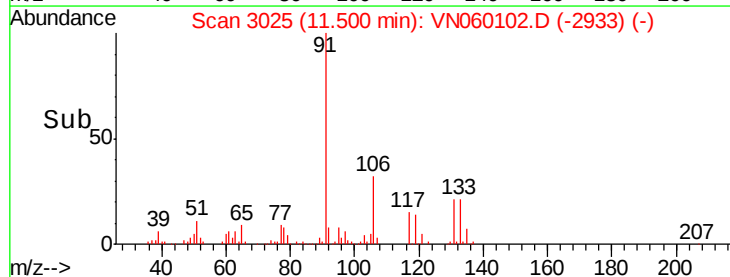
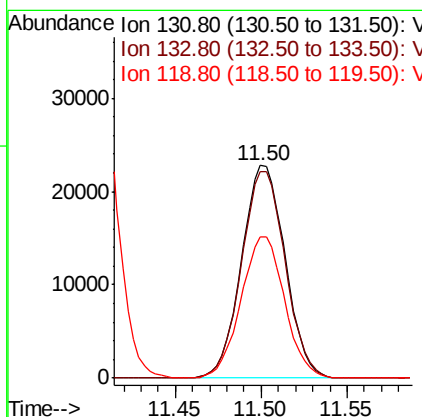
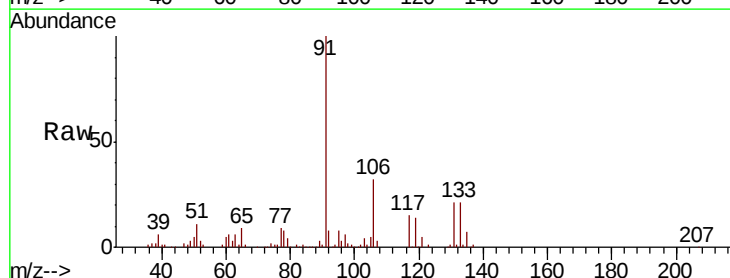
Manual Integrations
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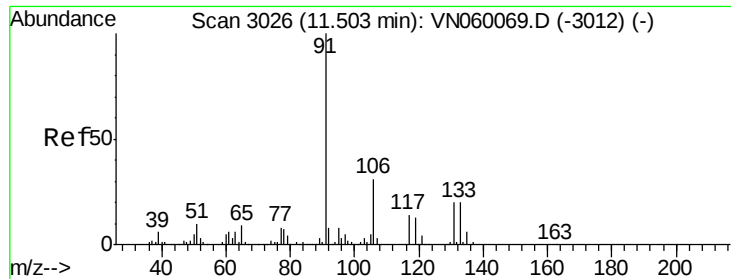
MMDadoda
2/18/2020 9:30:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.065 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.9	143.7
119	66.5	32.6	97.7





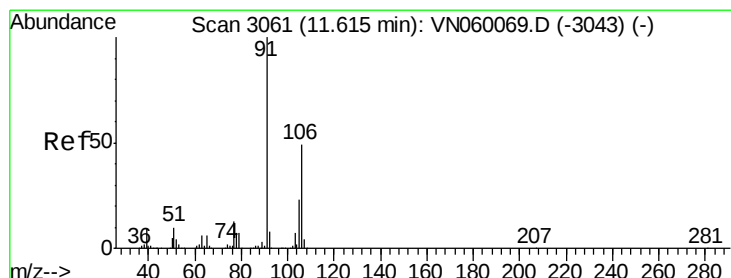
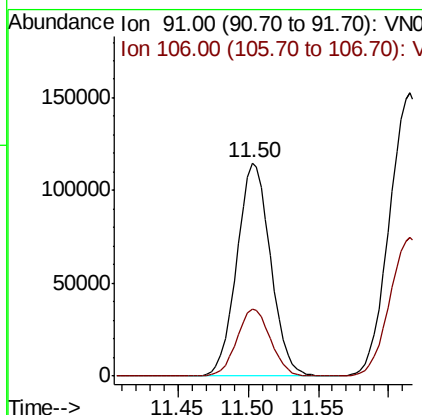
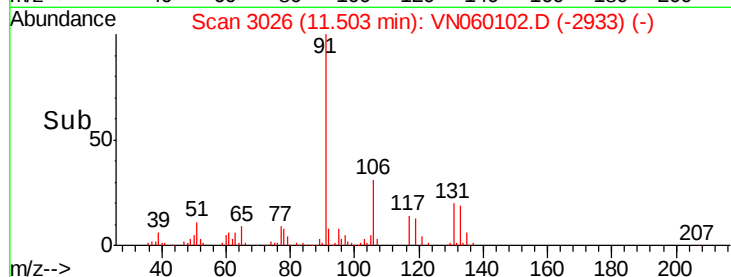
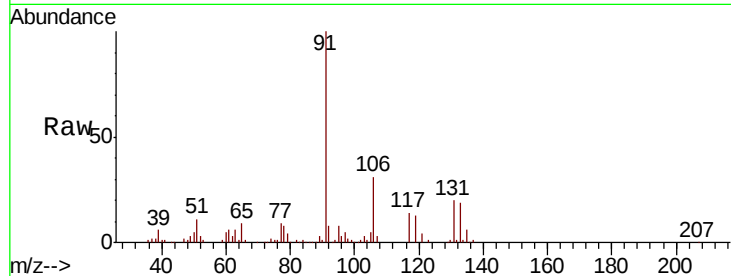
#67
Ethyl Benzene
Concen: 19.216 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0214WBSD01

Tot Ion: 91 Resp: 192184
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

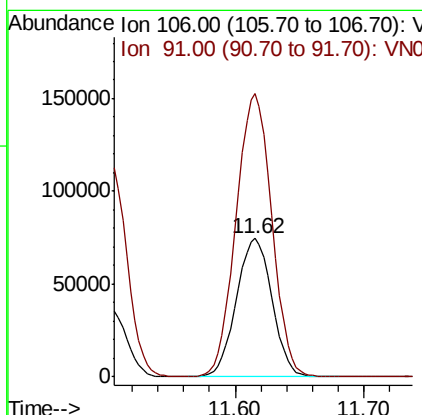
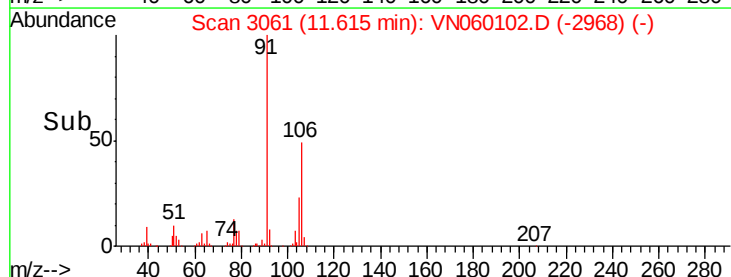
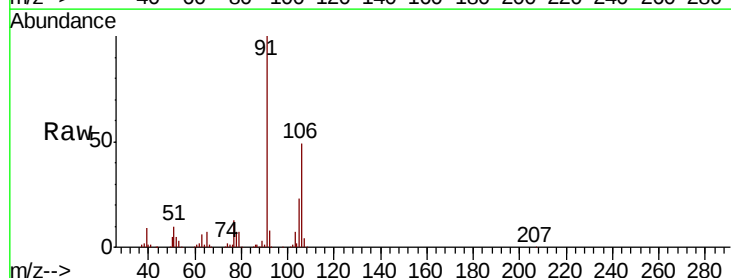
Manual Integrations
APPROVED

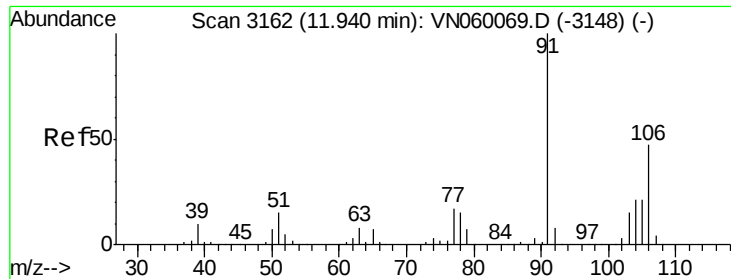
MMDadoda
2/18/2020 9:30:19 AM



#68
m/p-Xylenes
Concen: 38.275 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion: 106 Resp: 143673
Ion Ratio Lower Upper
106 100
91 204.2 162.7 244.1





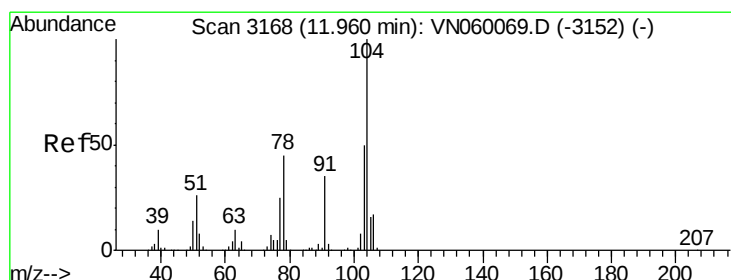
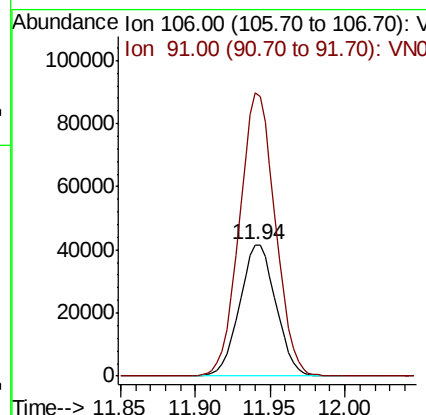
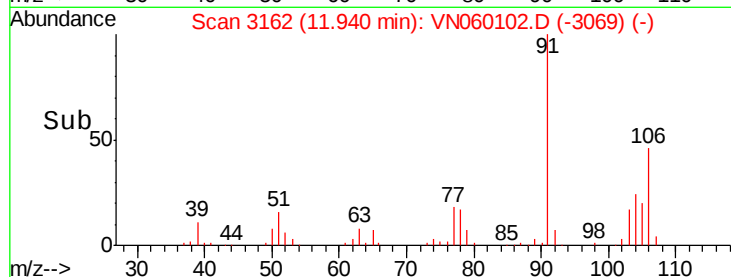
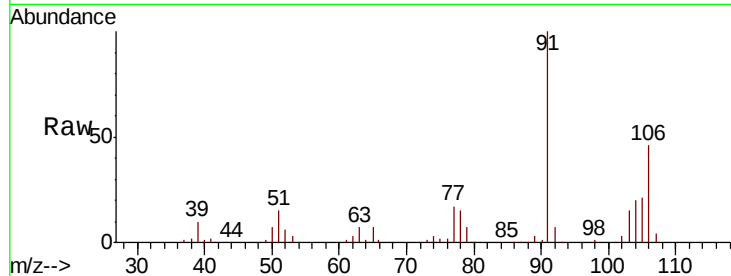
#69
o-Xylene
Concen: 19.398 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0214WBSD01

Tot Ion:106 Resp: 70106
Ion Ratio Lower Upper
106 100
91 212.7 107.2 321.6

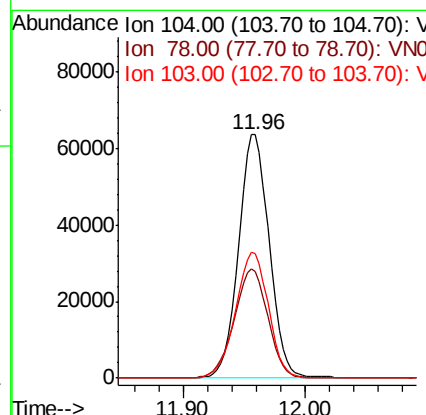
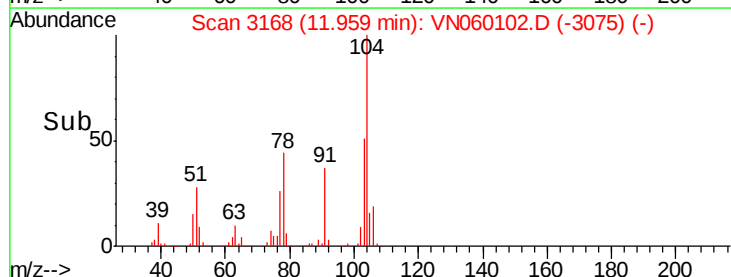
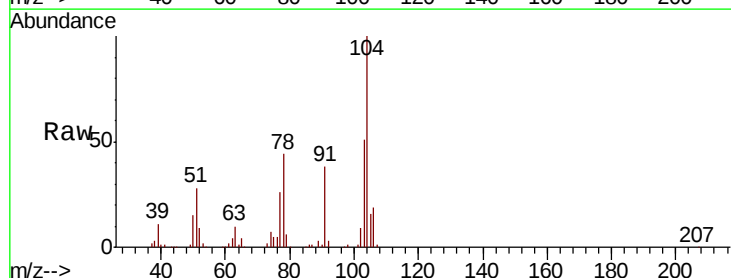
Manual Integrations
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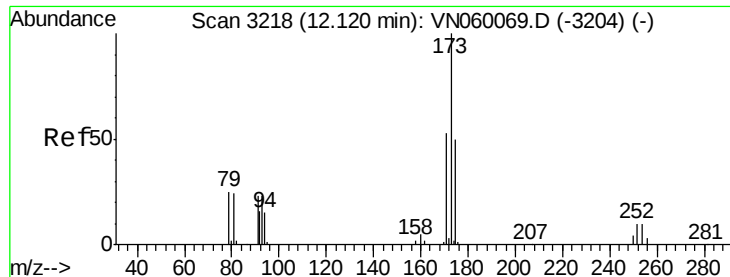
MMDadoda
2/18/2020 9:30:19 AM



#70
Styrene
Concen: 18.982 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion:104 Resp: 110627
Ion Ratio Lower Upper
104 100
78 49.4 40.2 60.2
103 55.4 44.3 66.5





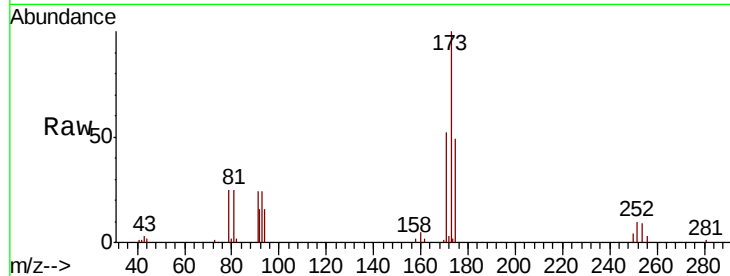
#71
Bromoform
Concen: 19.081 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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2/18/2020 9:30:19 AM

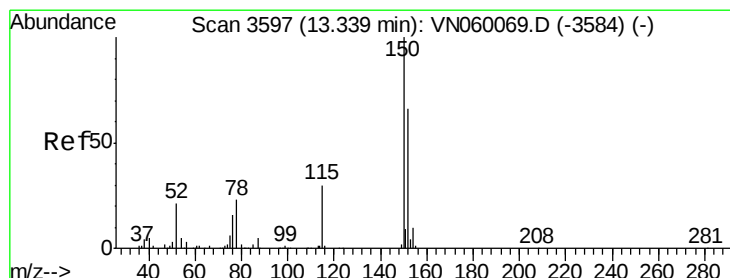
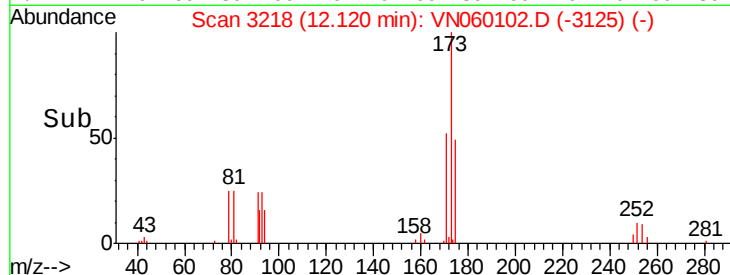
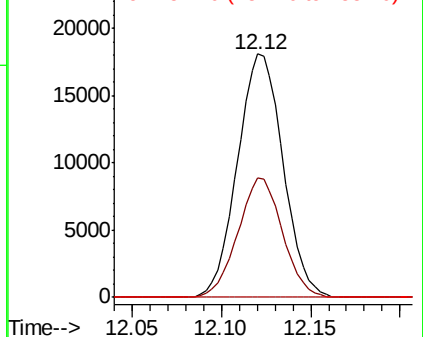


Abundance

Ion 172.70 (172.40 to 173.40): V

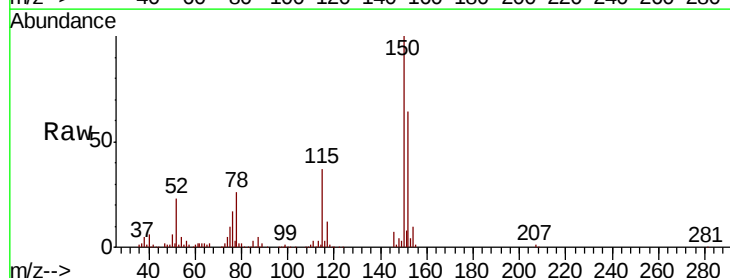
Ion 174.70 (174.40 to 175.40): V

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: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	28.9	86.8
150	162.8	0.0	342.4

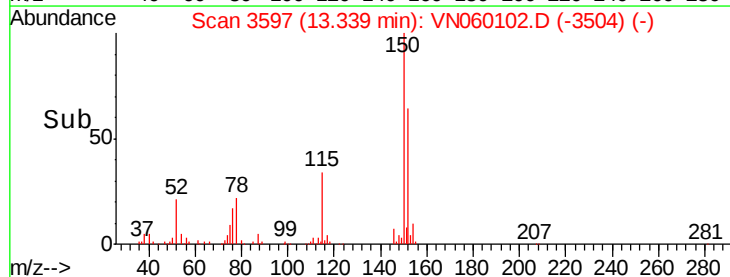
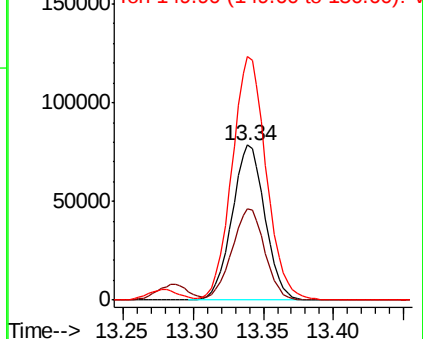


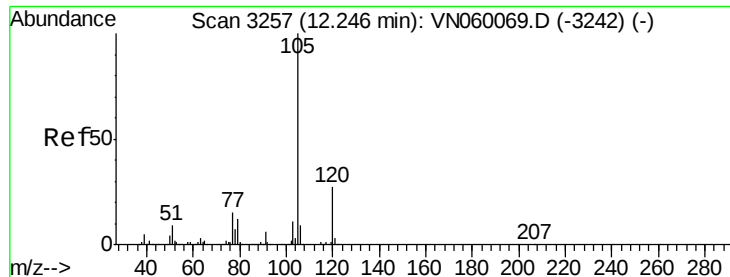
Abundance

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: 19.457 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 105 Resp: 186477

Ion Ratio Lower Upper

105 100

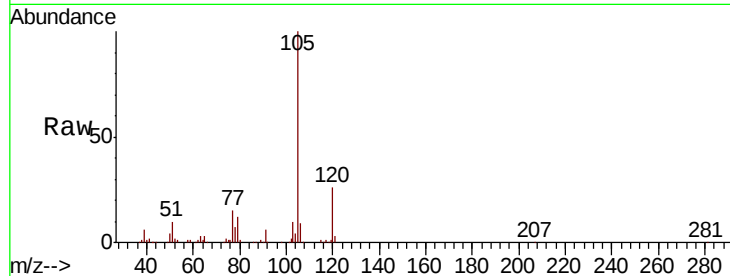
120 26.3 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

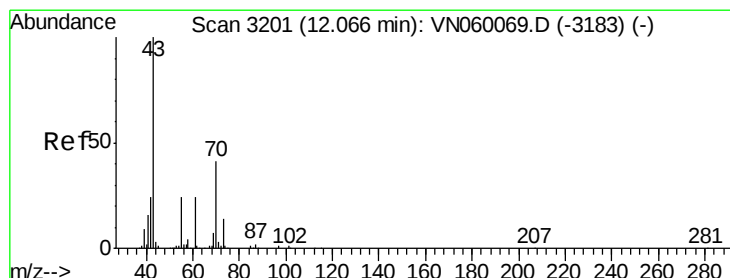
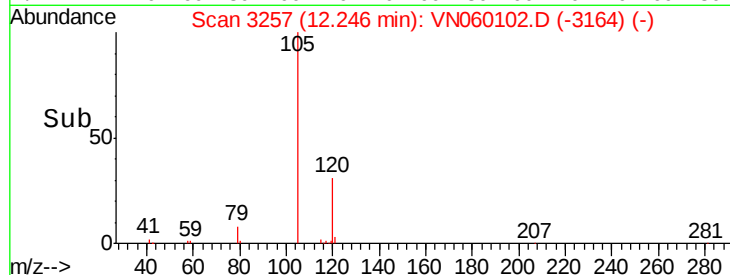
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.519 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion: 43 Resp: 74369

Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 24.5 18.8 28.2

61 23.6 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

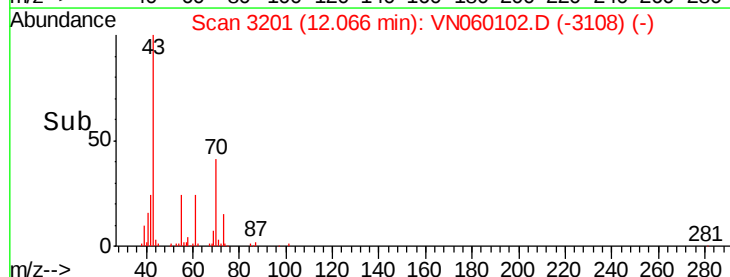
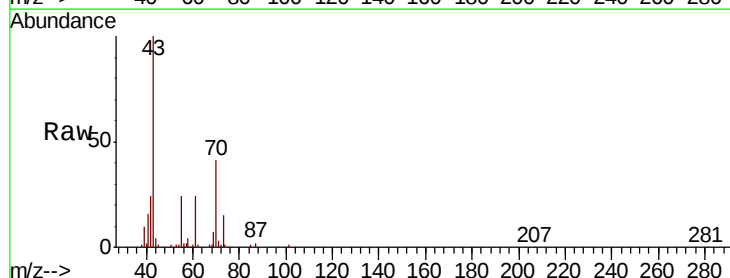
60000

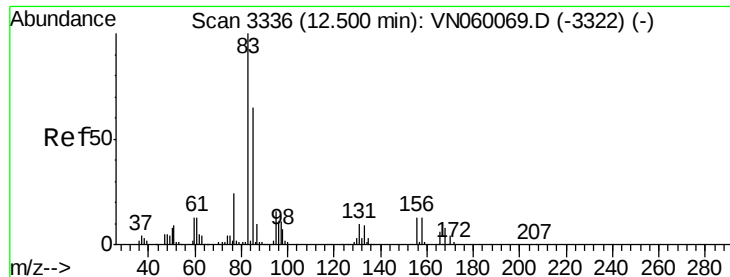
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.945 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

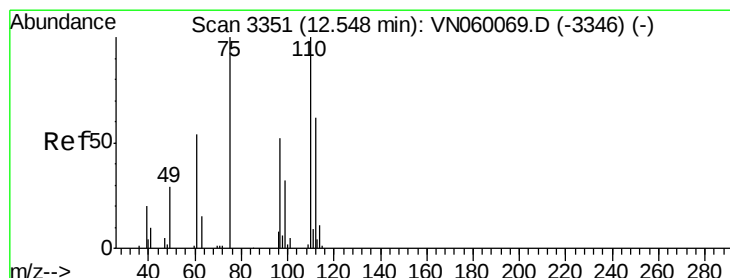
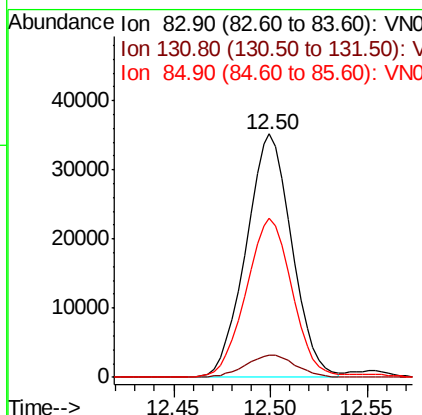
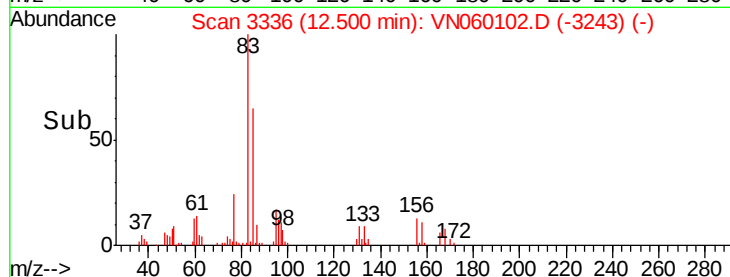
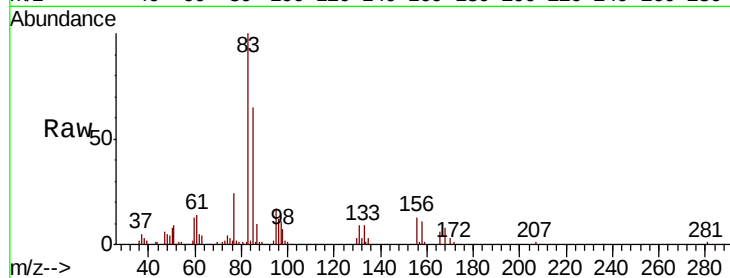
ClientSampleId :

VN0214WBSD01

Tot Ion:	83	Resp:	57778
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	65.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.474 ug/l m

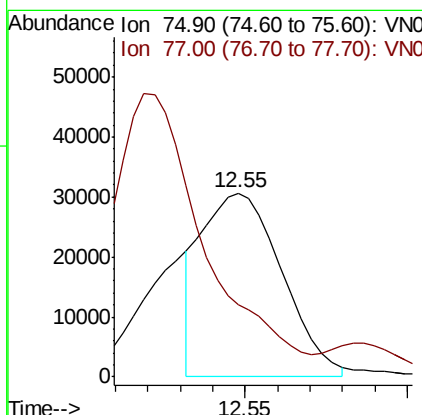
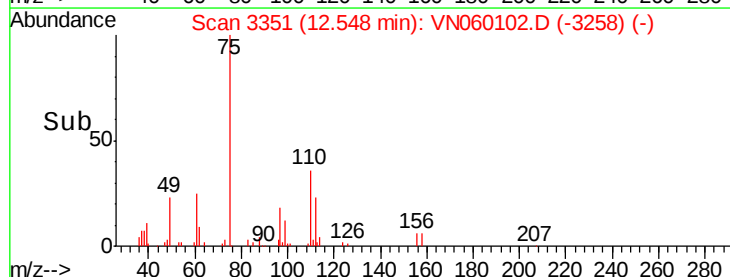
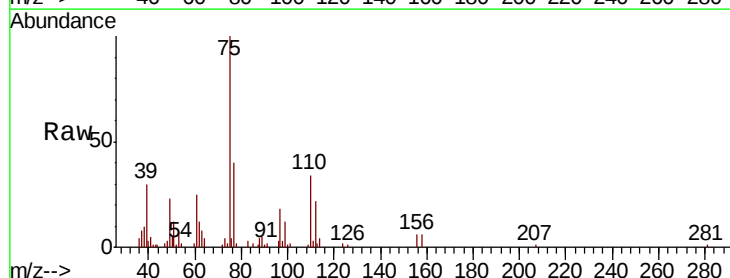
RT: 12.55 min Scan# 3351

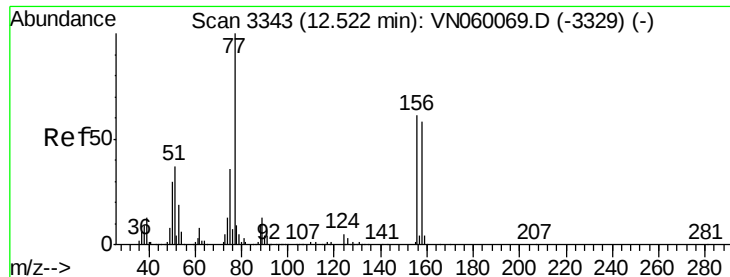
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	75	Resp:	52729
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.379 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

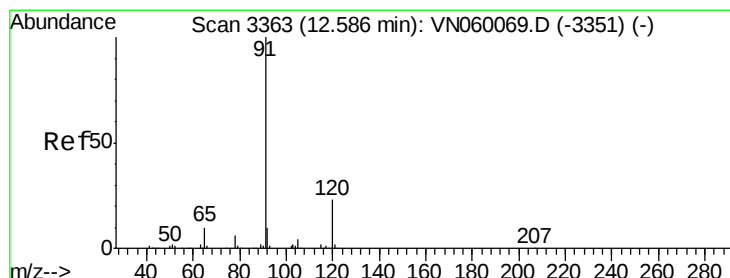
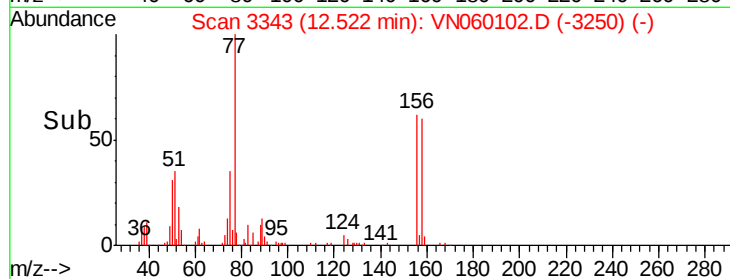
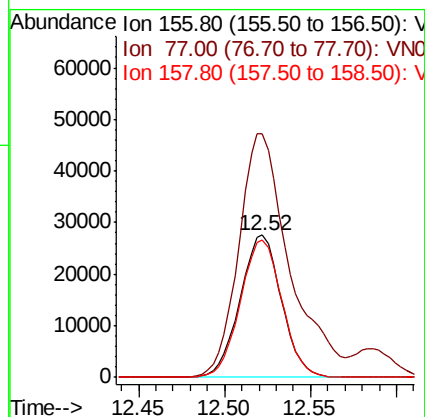
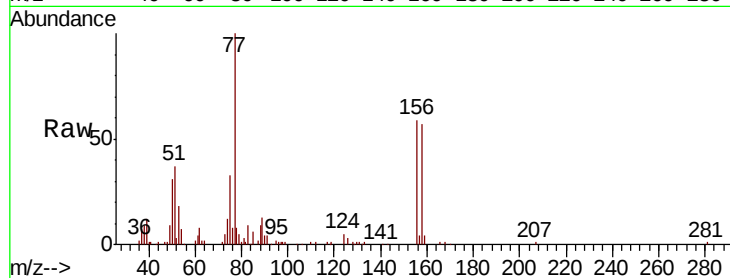
ClientSampleId :

VN0214WBSD01

Tot Ion:	156	Resp:	46091
Ion	Ratio	Lower	Upper
156	100		
77	210.7	98.7	296.1
158	97.1	48.1	144.4

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#78

n-propylbenzene

Concen: 19.574 ug/l

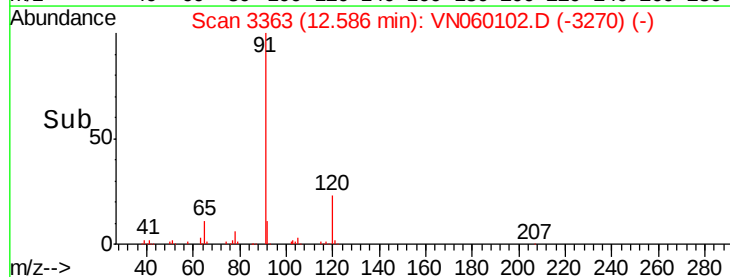
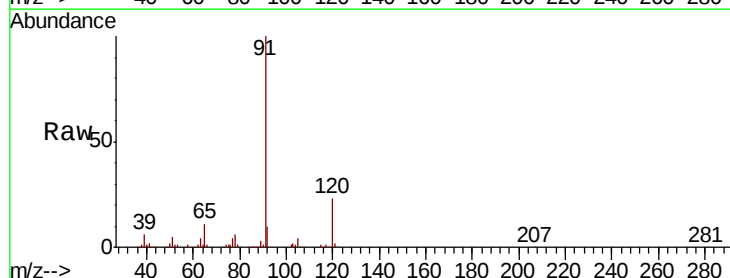
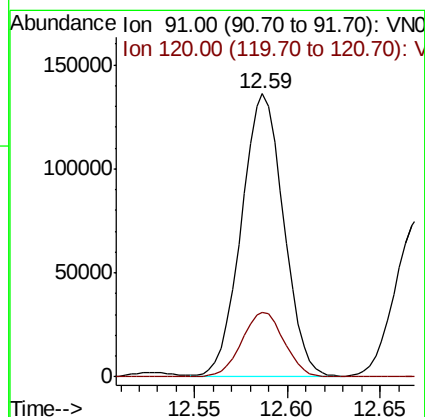
RT: 12.59 min Scan# 3363

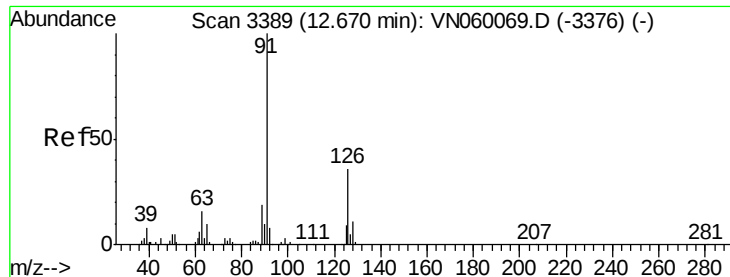
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	91	Resp:	213730
Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.593 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBSD01

Tot Ion: 91 Resp: 125747

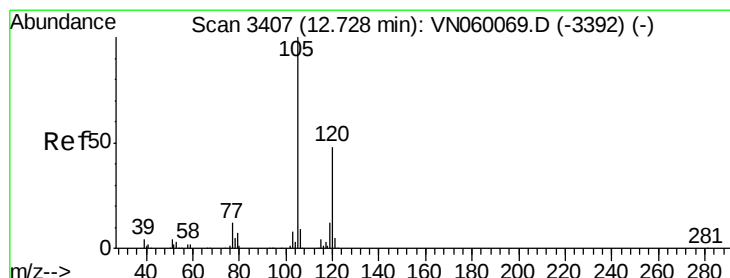
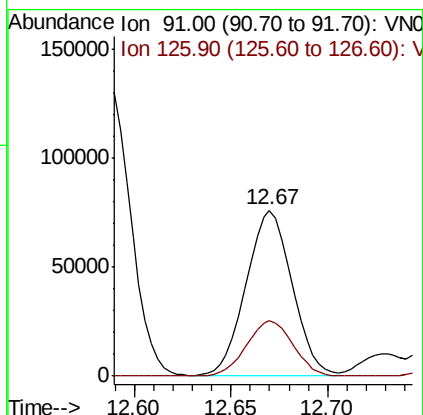
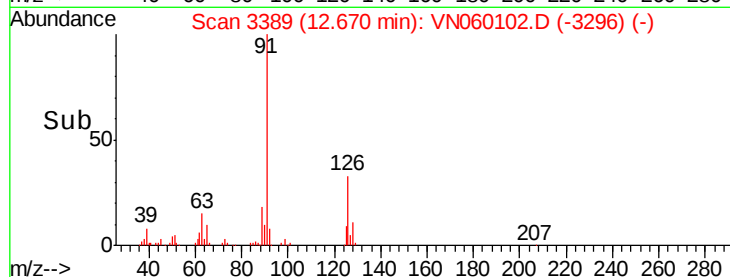
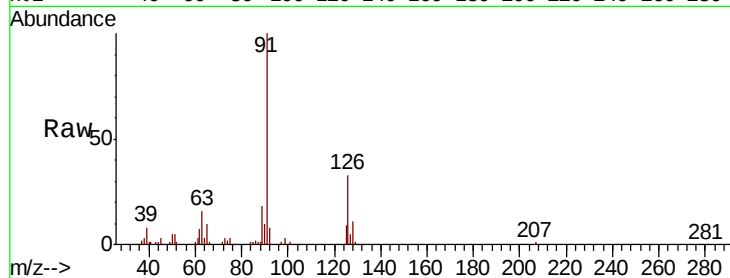
Ion Ratio Lower Upper

91 100

126 34.0 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.784 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060102.D

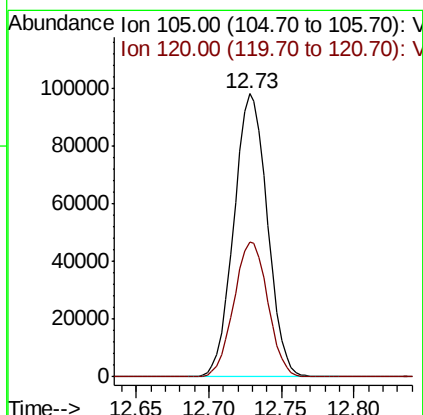
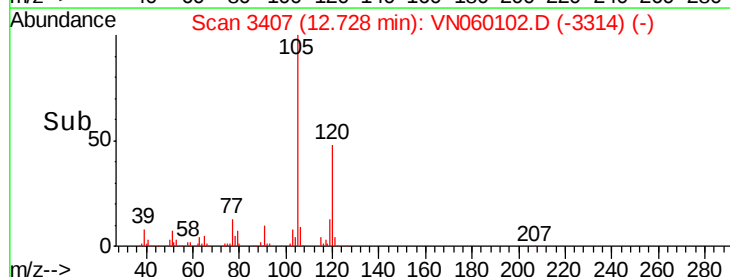
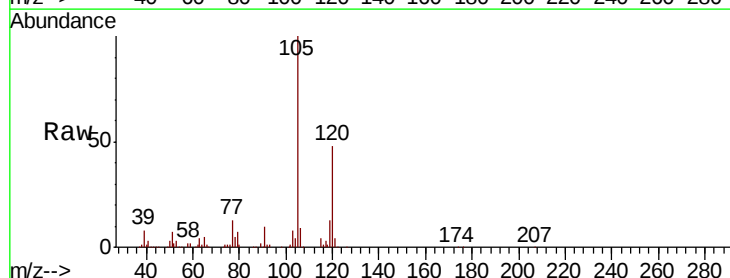
Acq: 14 Feb 2020 11:39

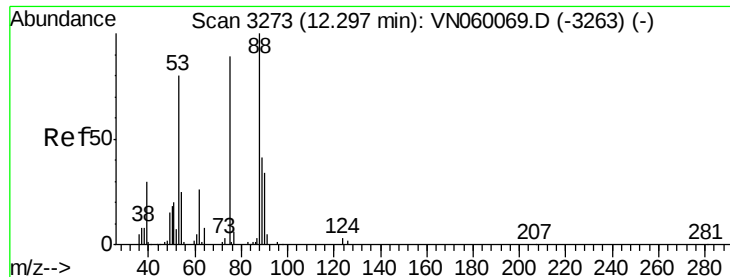
Tgt Ion: 105 Resp: 157649

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.355 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

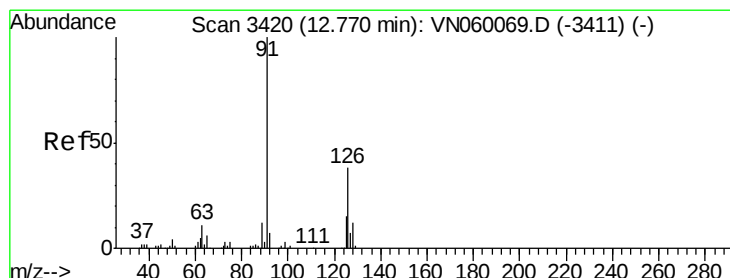
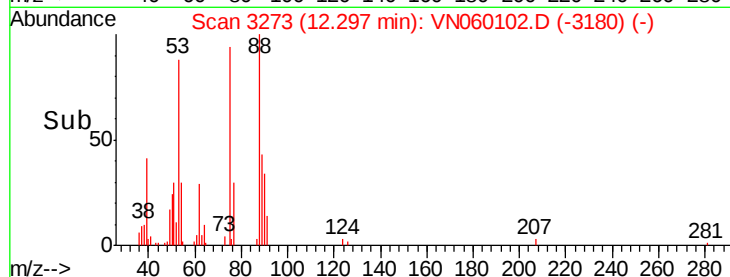
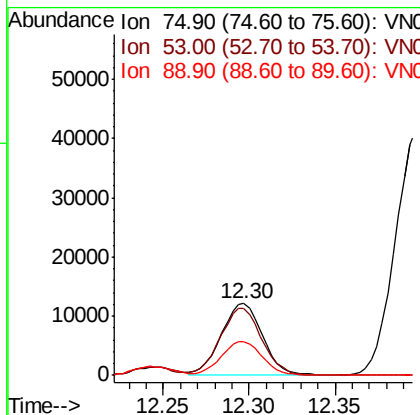
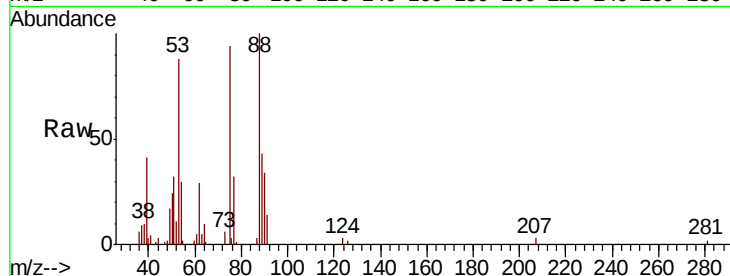
ClientSampleId :

VN0214WBSD01

Tot Ion:	75	Resp:	20413
Ion	Ratio	Lower	Upper
75	100		
53	94.1	73.9	110.9
89	47.0	37.0	55.4

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#82

4-Chlorotoluene

Concen: 19.795 ug/l

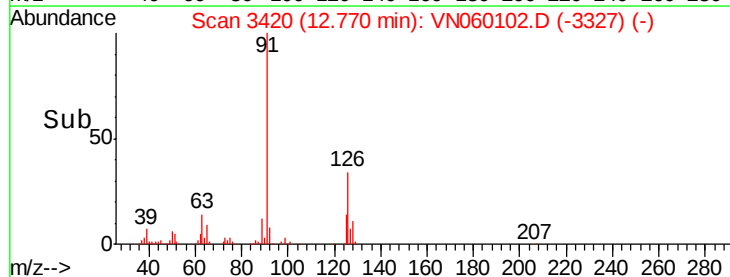
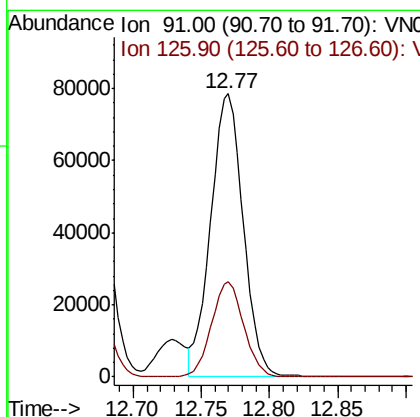
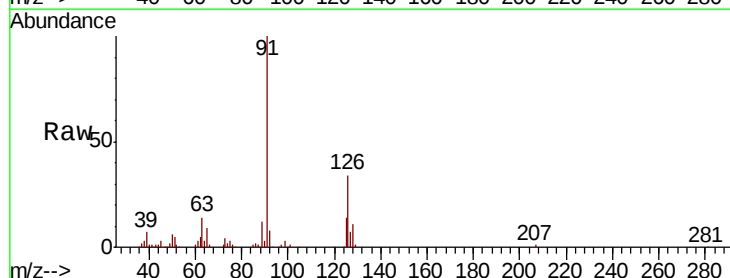
RT: 12.77 min Scan# 3420

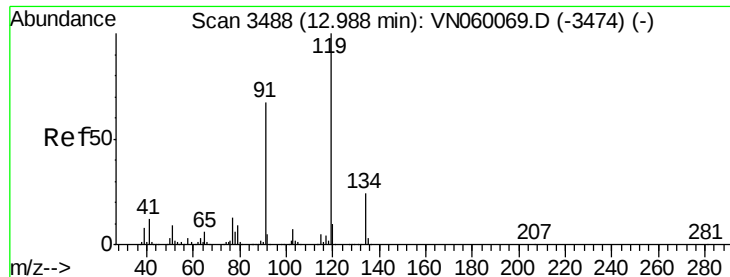
Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	91	Resp:	130346
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.1	51.3





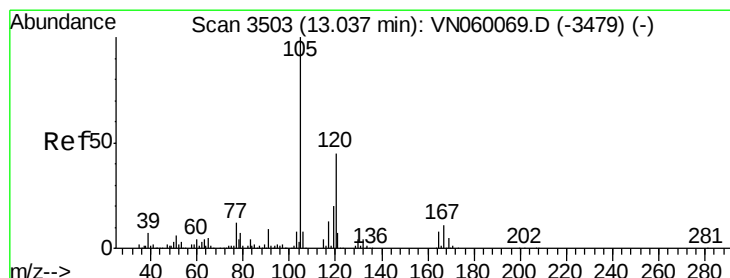
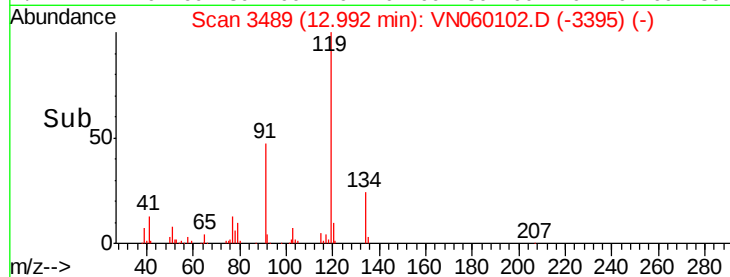
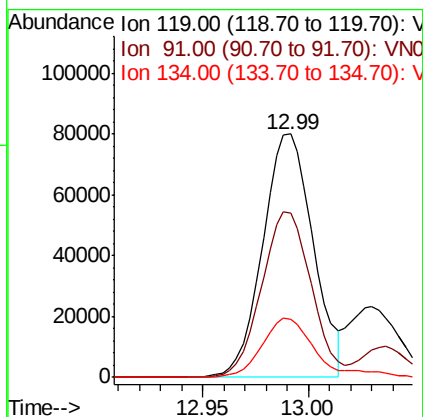
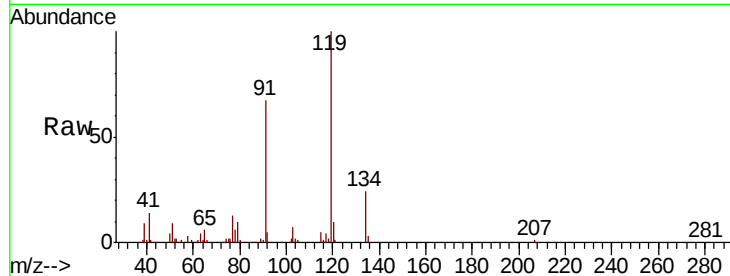
#83
tert-Butylbenzene
Concen: 18.899 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.7	98.1
134	25.8	12.9	38.7

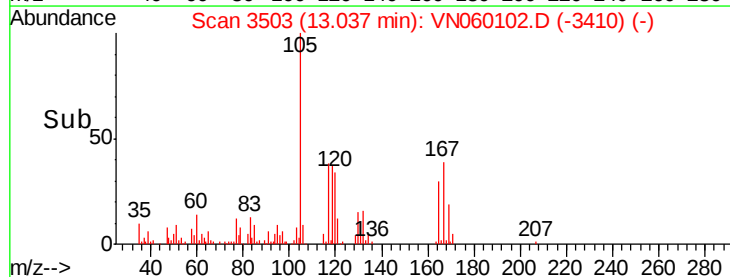
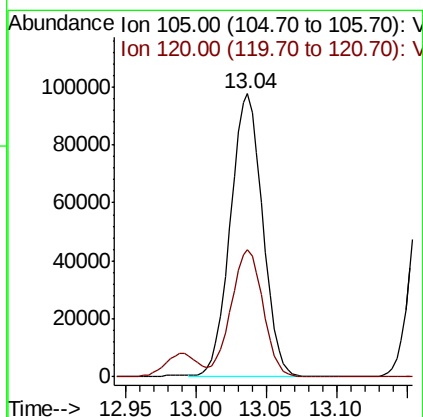
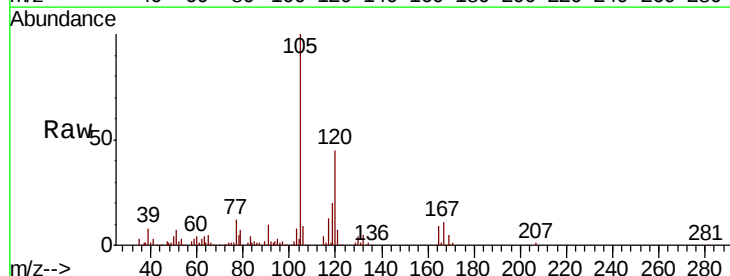
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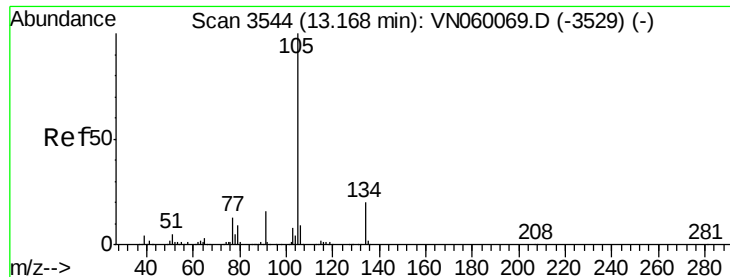
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#84
1,2,4-Trimethylbenzene
Concen: 19.894 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





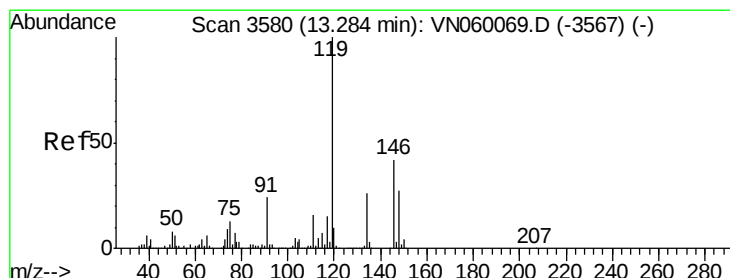
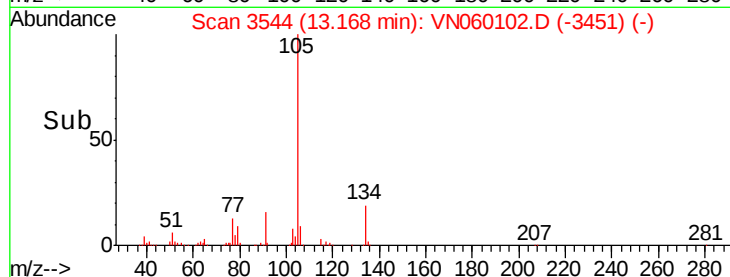
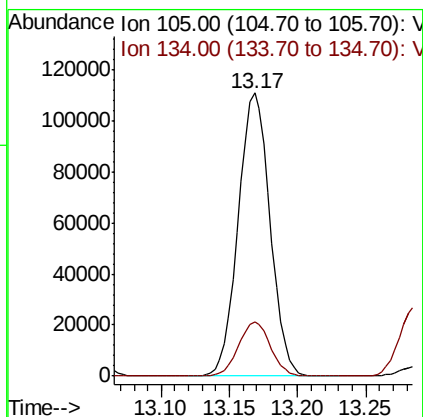
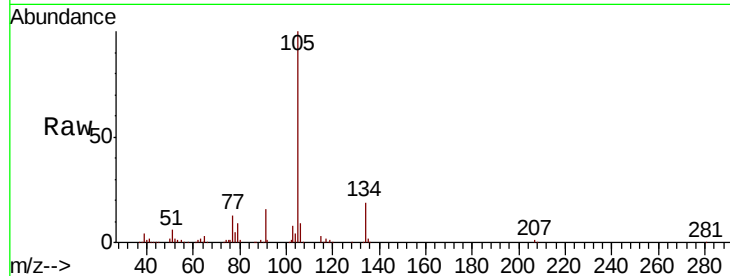
#85
 sec-Butylbenzene
 Concen: 19.220 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.9	29.7

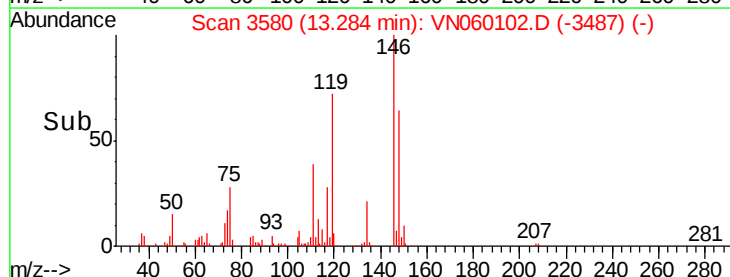
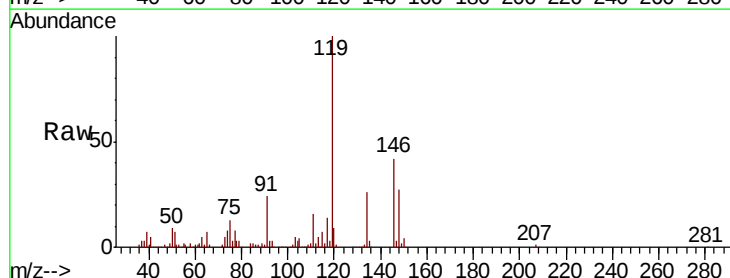
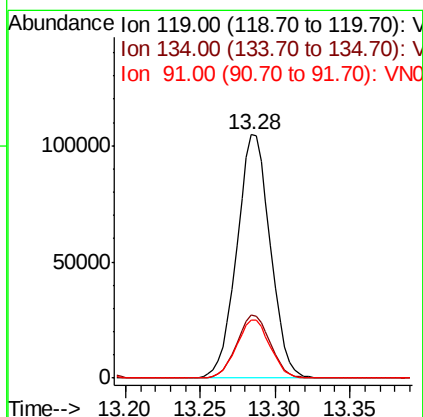
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#86
 p-Isopropyltoluene
 Concen: 19.236 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	24.1	11.9	35.9





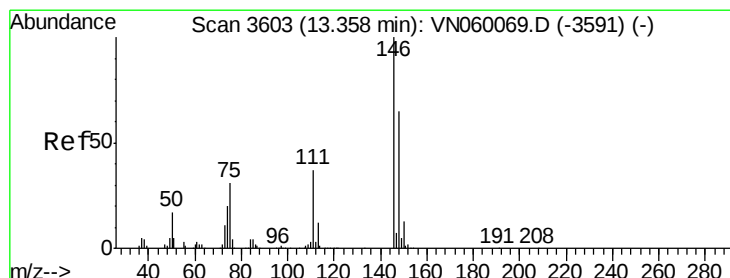
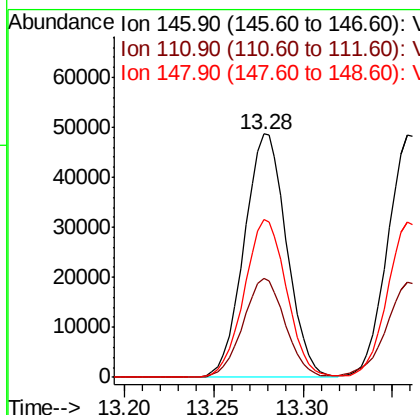
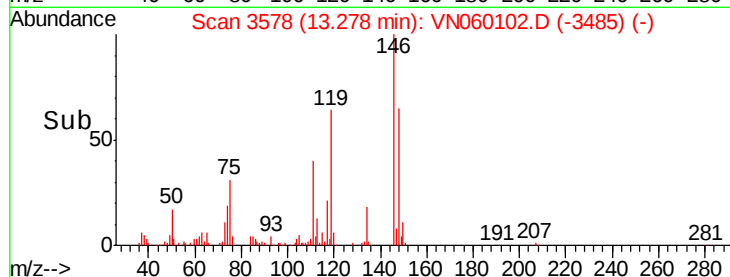
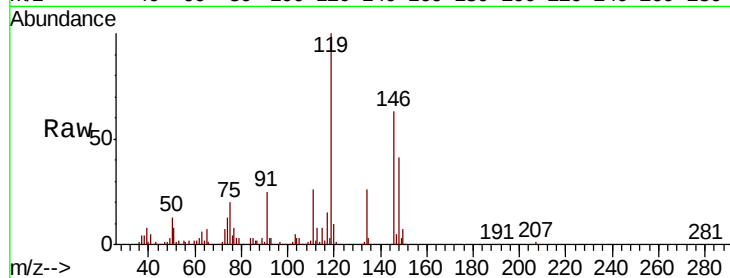
#87
 1,3-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.8	59.3
148	64.6	32.0	96.2

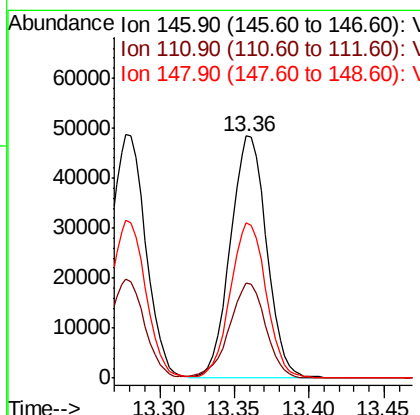
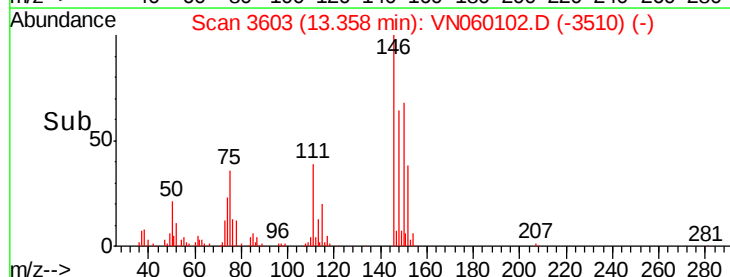
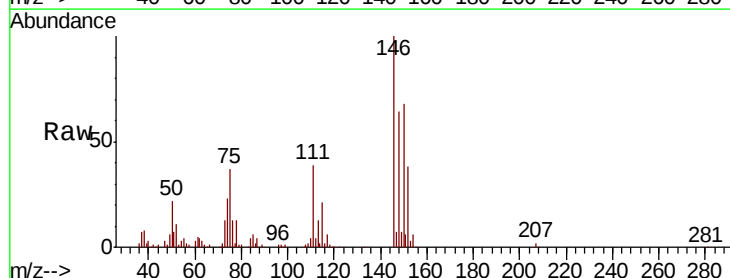
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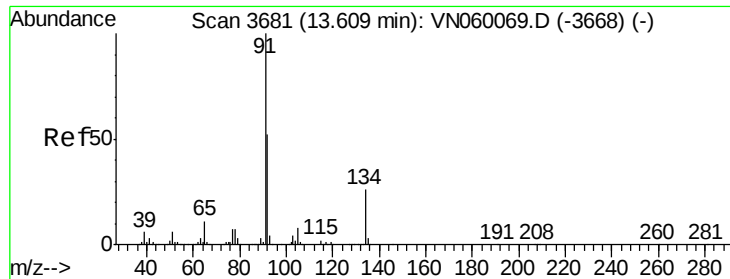
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#88
 1,4-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.9	56.5
148	63.5	32.0	96.0





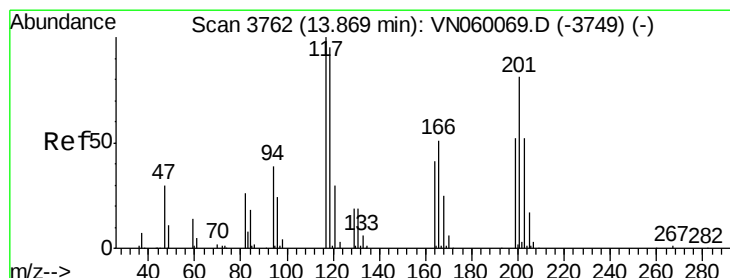
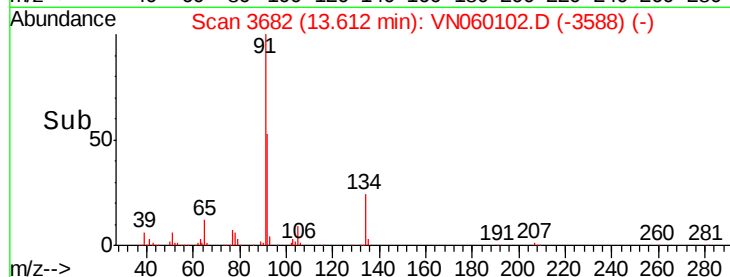
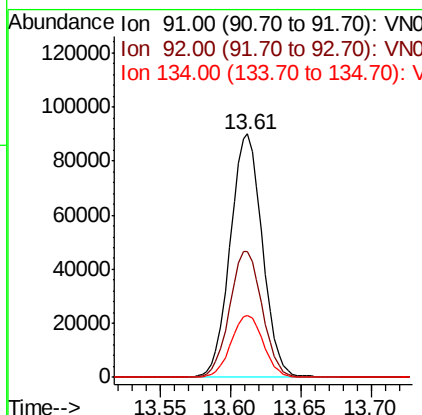
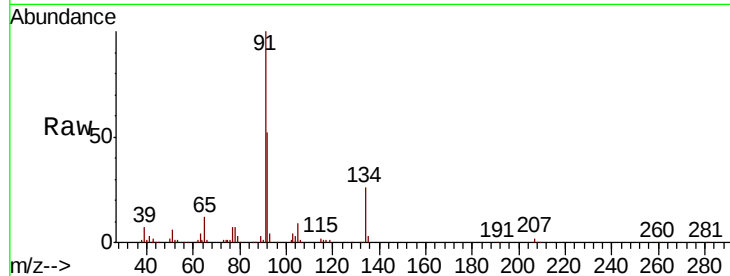
#89
n-Butylbenzene
Concen: 19.302 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	25.7	13.1	39.3

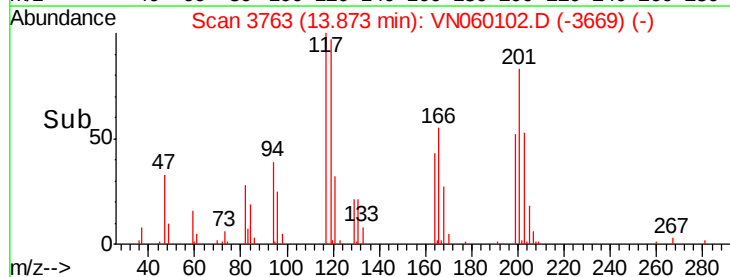
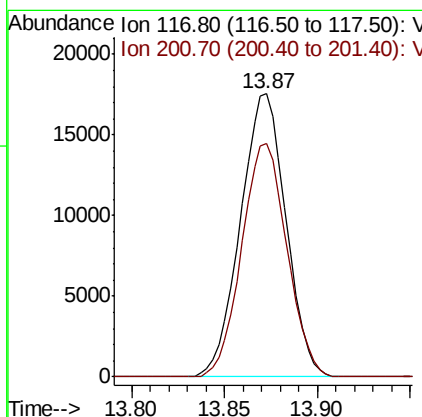
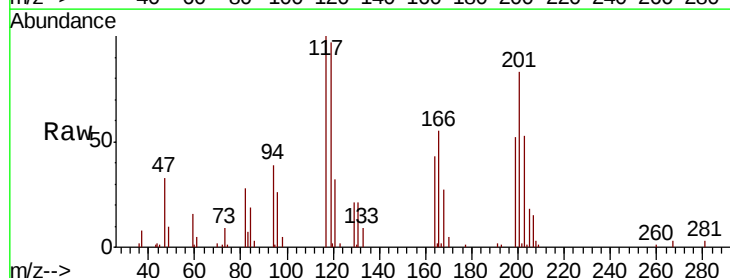
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#90
Hexachloroethane
Concen: 18.900 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 19.149 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Instrument :

MSVOA_N

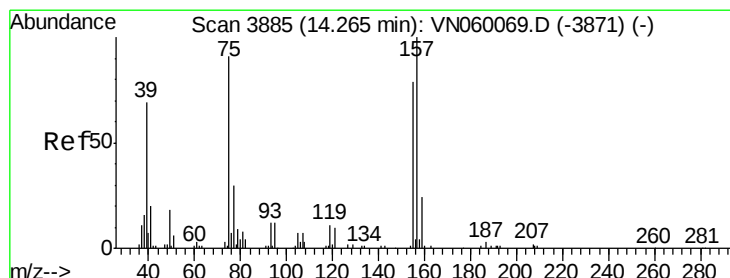
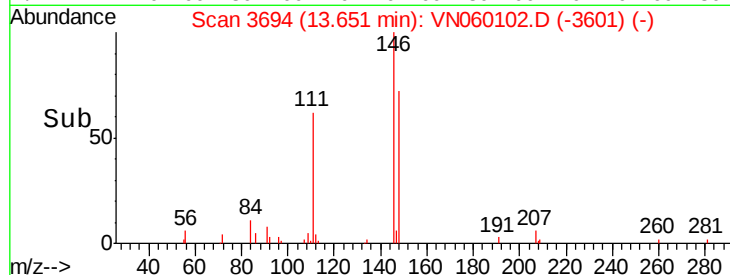
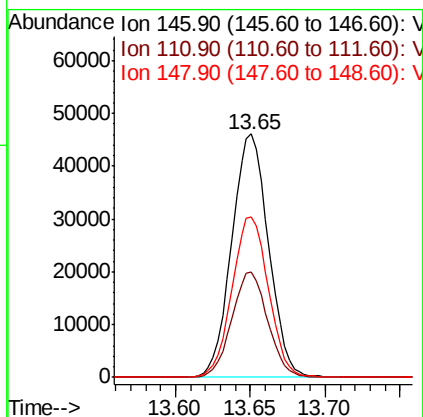
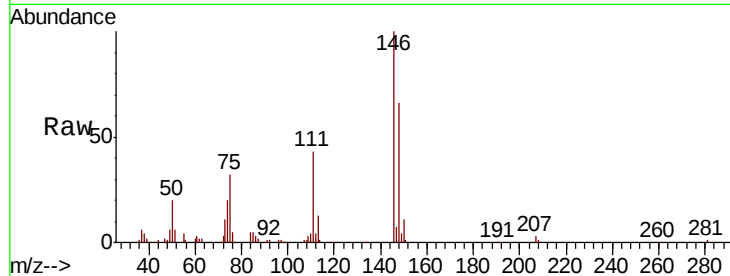
ClientSampleId :

VN0214WBSD01

Tot Ion:	146	Resp:	78899
Ion Ratio	Lower	Upper	
146	100		
111	42.1	20.1	60.2
148	65.3	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.387 ug/l

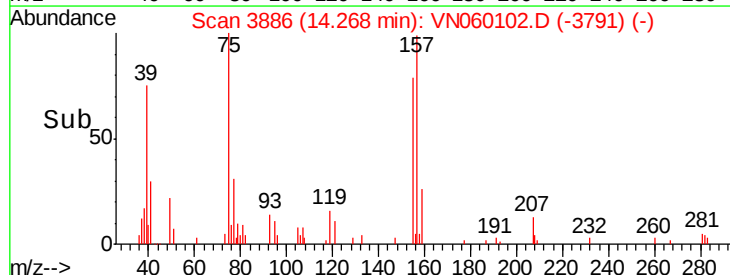
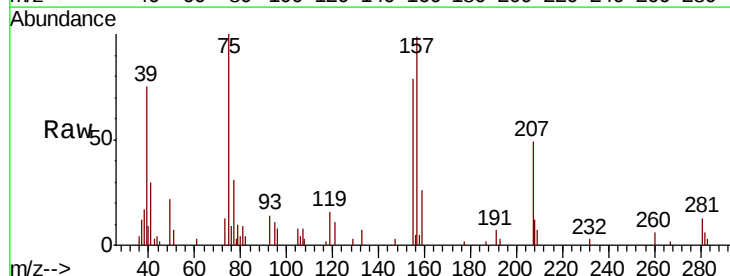
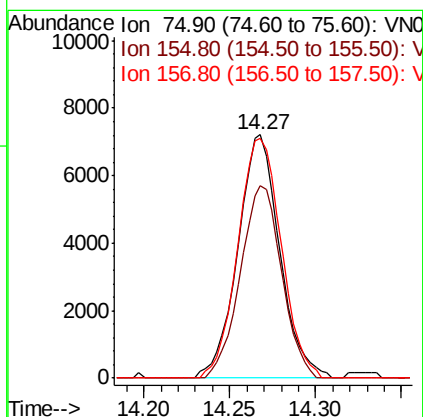
RT: 14.27 min Scan# 3886

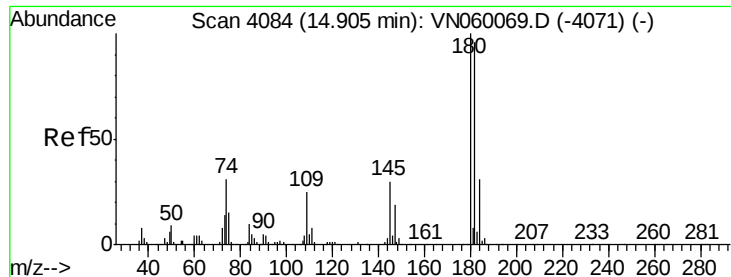
Delta R.T. 0.00 min

Lab File: VN060102.D

Acq: 14 Feb 2020 11:39

Tgt Ion:	75	Resp:	12226
Ion Ratio	Lower	Upper	
75	100		
155	77.6	43.0	129.0
157	101.9	54.9	164.5





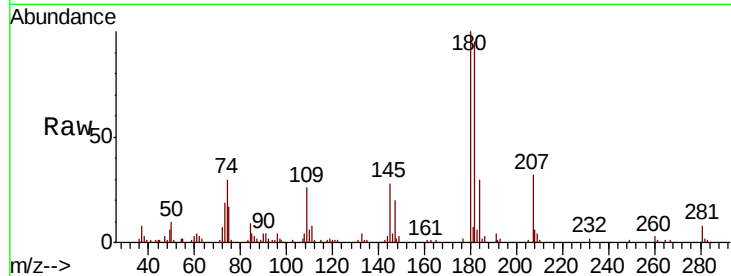
#93
 1,2,4-Trichlorobenzene
 Concen: 19.784 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47895		
182	94.9		47.9	143.8
145	30.3		15.2	45.5

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:19 AM

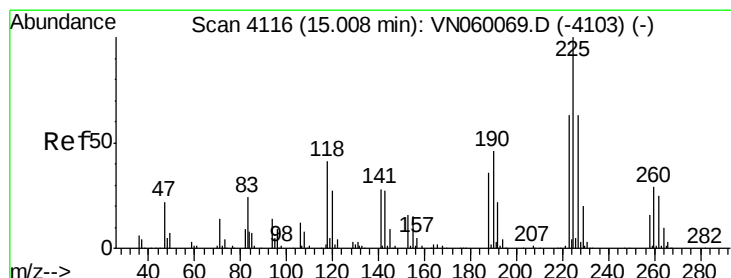
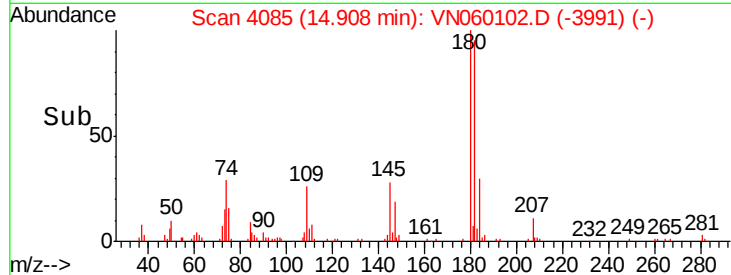
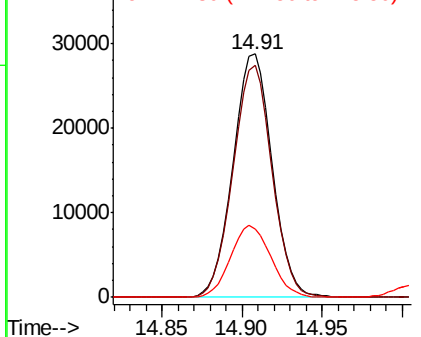


Abundance

Ion 179.80 (179.50 to 180.50): V

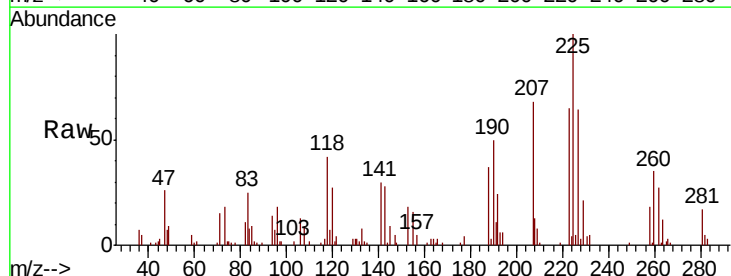
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.426 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060102.D
 Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26115		
223	62.4		31.5	94.5
227	62.8		31.8	95.4

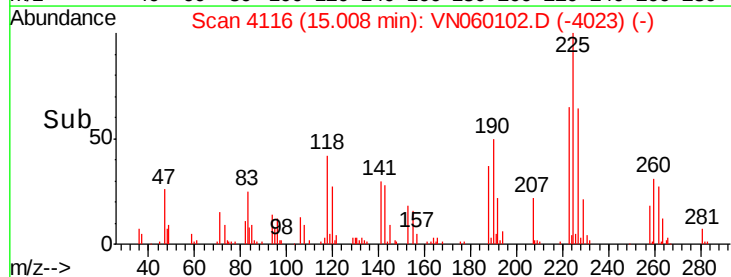
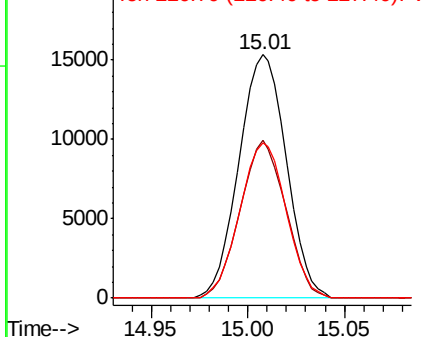


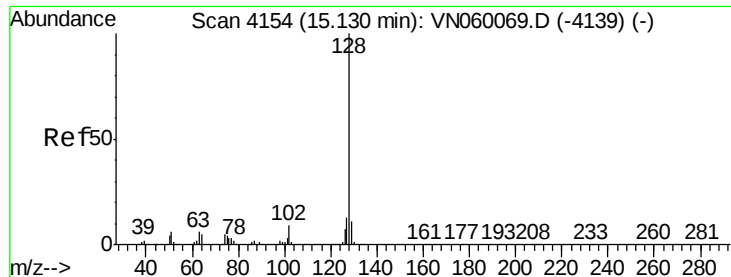
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





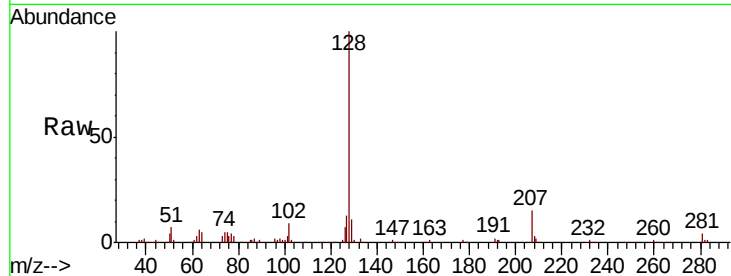
#95
Naphthalene
Concen: 20.269 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/18/2020 9:30:19 AM

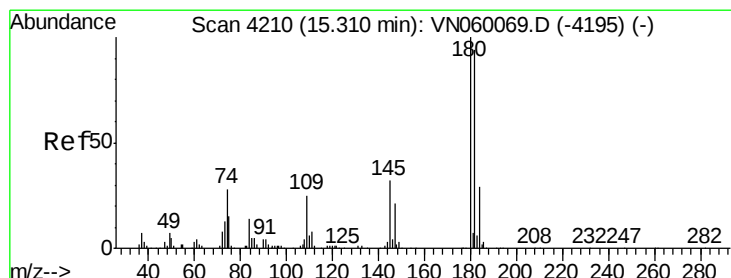
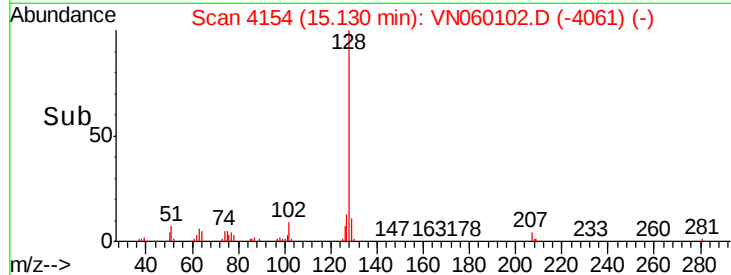
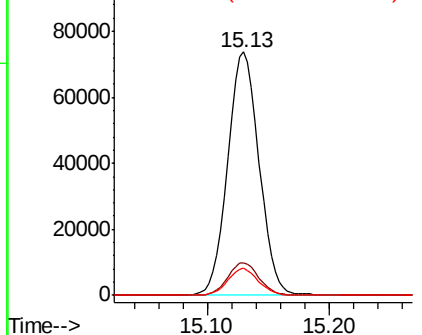


Abundance

Ion 128.00 (127.70 to 128.70): V

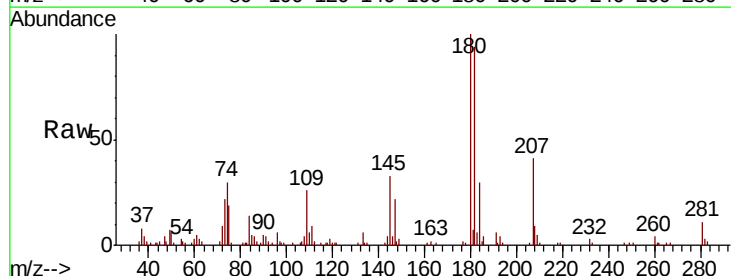
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.898 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060102.D
Acq: 14 Feb 2020 11:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.5	142.5
145	32.8	16.1	48.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

