

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053771.D
 Acq On : 14 Feb 2019 11:35
 Operator : JC/SP
 Sample : VN0214WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:48 AM

Quant Time: Feb 15 01:21:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	673738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1009239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	425970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	349566	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	7.59	113	342969	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.09	98	1240899	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.40	95	409029	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	126199	16.840	ug/l	98
3) Chloromethane	2.06	50	131628	16.456	ug/l	98
4) Vinyl Chloride	2.19	62	151611	19.526	ug/l	100
5) Bromomethane	2.57	94	106127	20.904	ug/l	100
6) Chloroethane	2.71	64	91722	20.672	ug/l	95
7) Trichlorofluoromethane	3.02	101	209228	19.871	ug/l	100
8) Diethyl Ether	3.41	74	73113	19.013	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	131322	20.166	ug/l	98
10) Methyl Iodide	3.96	142	175507	17.171	ug/l	100
11) Tert butyl alcohol	4.78	59	40442	101.103	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	117563	18.843	ug/l	96
13) Acrolein	3.61	56	6440	29.570	ug/l	99
14) Allyl chloride	4.33	41	182854	18.407	ug/l	98
15) Acrylonitrile	4.99	53	218984	101.408	ug/l	99
16) Acetone	3.82	43	190592	109.935	ug/l	95
17) Carbon Disulfide	4.06	76	320837	16.515	ug/l	99
18) Methyl Acetate	4.33	43	112021	21.818	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	313667	19.832	ug/l	97
20) Methylene Chloride	4.55	84	139644	19.199	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	126331	18.769	ug/l	93
22) Diisopropyl ether	5.95	45	355232	19.299	ug/l	98
23) Vinyl Acetate	5.90	43	1185721	93.119	ug/l	99
24) 1,1-Dichloroethane	5.85	63	238491	19.426	ug/l	99
25) 2-Butanone	6.83	43	246780	99.806	ug/l	99
26) 2,2-Dichloropropane	6.82	77	177501	18.940	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	147681	19.731	ug/l	97
28) Bromochloromethane	7.19	49	97120	18.229	ug/l	95
29) Tetrahydrofuran	7.21	42	155518	97.950	ug/l	96
30) Chloroform	7.37	83	243005	19.967	ug/l	99
31) Cyclohexane	7.65	56	205439	17.864	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	199650	19.713	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173847	19.109	ug/l	98
37) Ethyl Acetate	6.93	43	103906	20.450	ug/l	99
38) Carbon Tetrachloride	7.77	117	176867	19.298	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	203004	18.808	ug/l	100
40) Benzene	8.04	78	546837	19.492	ug/l	99
41) Methacrylonitrile	7.17	41	57225	20.151	ug/l	92
42) 1,2-Dichloroethane	8.12	62	163678	19.649	ug/l	99
43) Isopropyl Acetate	8.16	43	183851	18.736	ug/l #	88
44) Trichloroethene	8.83	130	150758	18.875	ug/l	98
45) 1,2-Dichloropropane	9.12	63	143939	20.059	ug/l	97
46) Dibromomethane	9.21	93	86308	19.953	ug/l	96
47) Bromodichloromethane	9.40	83	183002	20.348	ug/l	99
48) Methyl methacrylate	9.20	41	83605m	17.849	ug/l	
49) 1,4-Dioxane	9.20	88	27376	426.681	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	484641	100.507	ug/l	100
52) Toluene	10.16	92	335659	20.159	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	170503	18.932	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	205862	19.290	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125796	20.967	ug/l	98
56) Ethyl methacrylate	10.43	69	139033	19.588	ug/l	98
57) 1,3-Dichloropropane	10.71	76	208059	20.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	312267	76.676	ug/l	99
59) 2-Hexanone	10.75	43	313988	95.918	ug/l	100
60) Dibromochloromethane	10.90	129	137967	20.392	ug/l	100
61) 1,2-Dibromoethane	11.00	107	117328	19.757	ug/l	100
64) Tetrachloroethene	10.63	164	154140	20.333	ug/l	98
65) Chlorobenzene	11.43	112	368293	19.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134894	20.562	ug/l	99
67) Ethyl Benzene	11.51	91	603502	19.558	ug/l	100
68) m/p-Xylenes	11.62	106	471909	40.071	ug/l	99
69) o-Xylene	11.95	106	227330	19.980	ug/l	98
70) Styrene	11.96	104	367079	19.905	ug/l	99
71) Bromoform	12.13	173	93743	20.843	ug/l #	97
73) Isopropylbenzene	12.25	105	603676	20.159	ug/l	100
74) N-amyl acetate	12.07	43	134842	18.726	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	141715	19.774	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125247m	22.892	ug/l	
77) Bromobenzene	12.53	156	160607	19.901	ug/l	97
78) n-propylbenzene	12.59	91	702136	20.283	ug/l	100
79) 2-Chlorotoluene	12.67	91	413712	20.144	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	518165	20.867	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35093	18.036	ug/l	96
82) 4-Chlorotoluene	12.77	91	415911	19.735	ug/l	99
83) tert-Butylbenzene	12.99	119	449813	20.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	528426	20.887	ug/l	100
85) sec-Butylbenzene	13.17	105	631599	21.148	ug/l	100
86) p-Isopropyltoluene	13.29	119	544258	20.837	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	283976	19.574	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	277219	19.317	ug/l	100
89) n-Butylbenzene	13.62	91	445182	19.691	ug/l	99
90) Hexachloroethane	13.88	117	92898	21.562	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	275496	19.836	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20900	20.463	ug/l	99

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APPROVED

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QLast Update : Fri Feb 01 09:11:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144687	18.164	ug/l	99
94) Hexachlorobutadiene	15.01	225	109271	22.027	ug/l	99
95) Naphthalene	15.13	128	271389	15.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140670	19.032	ug/l	98

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

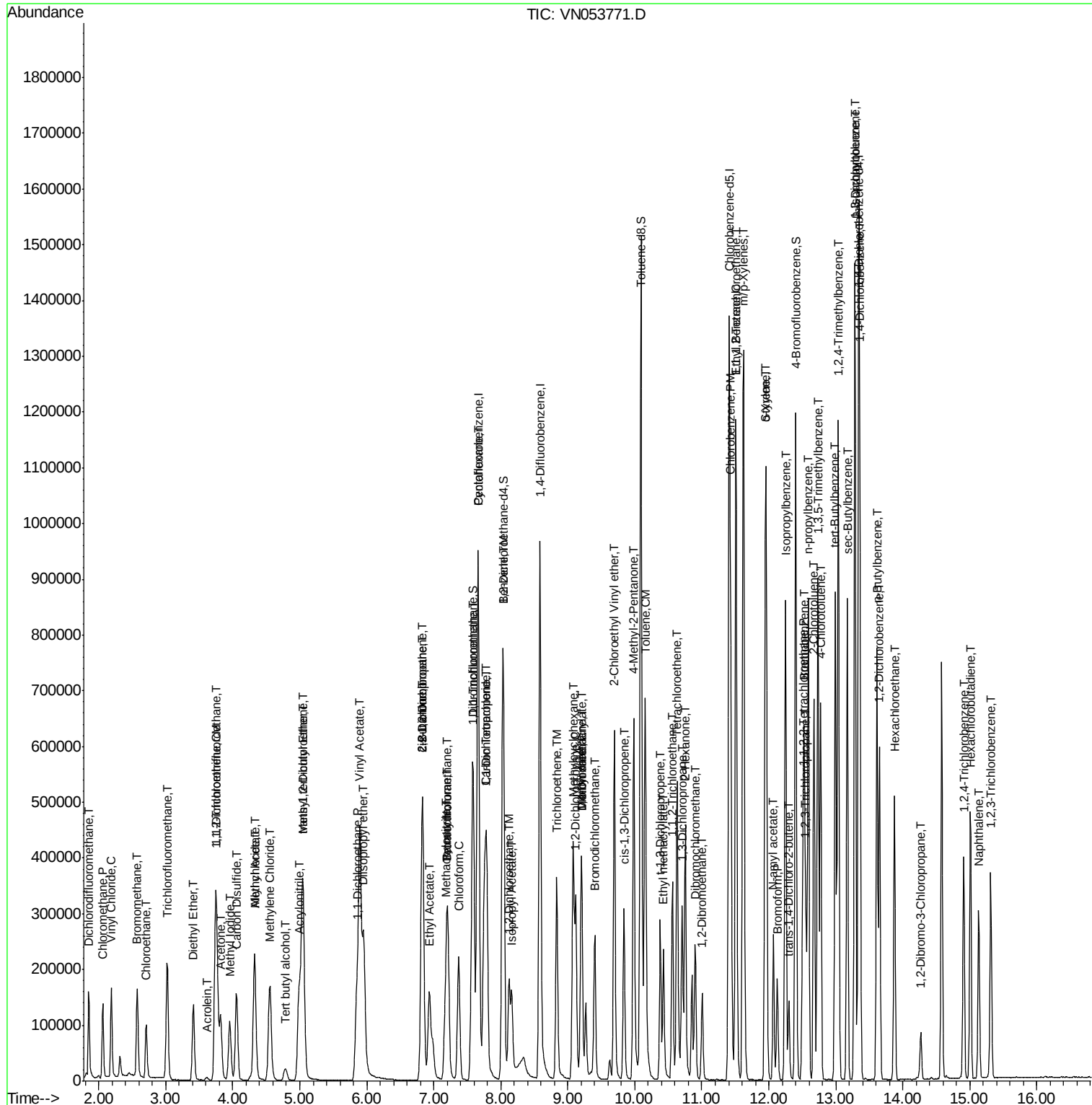
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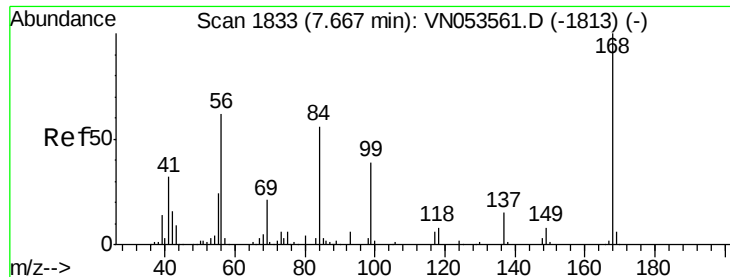
Instrument :
 MSVOA_N
 Client Sampled :
 VN0214WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion:168 Resp: 673738

Ion Ratio Lower Upper

168 100

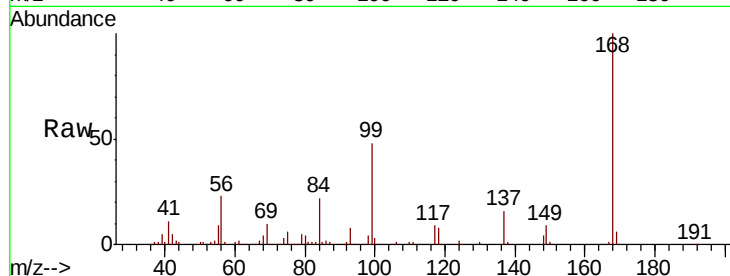
99 47.1 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

0

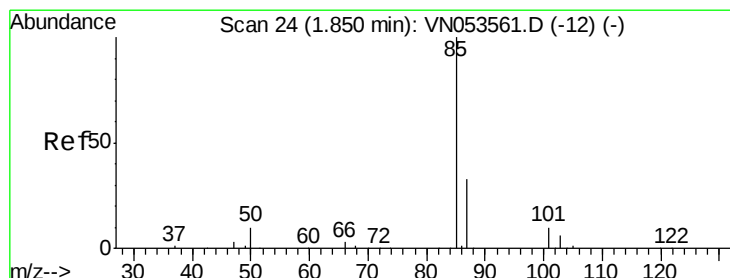
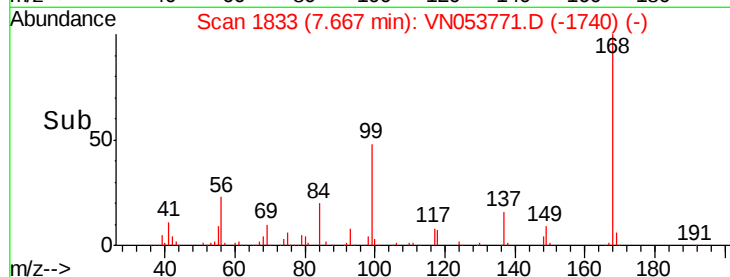
7.50

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.840 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053771.D

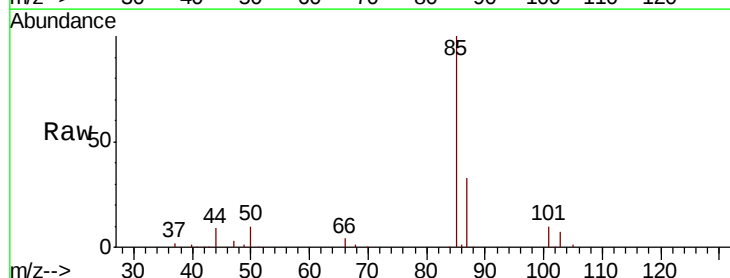
Acq: 14 Feb 2019 11:35

Tgt Ion: 85 Resp: 126199

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

40000

20000

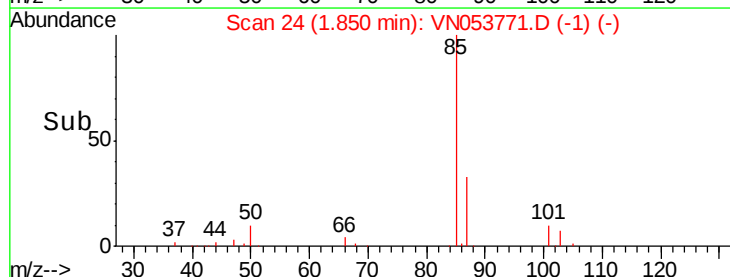
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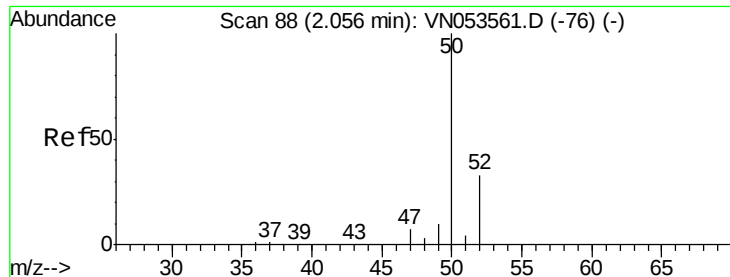
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 16.456 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 50 Resp: 131628

Ion Ratio Lower Upper

50 100

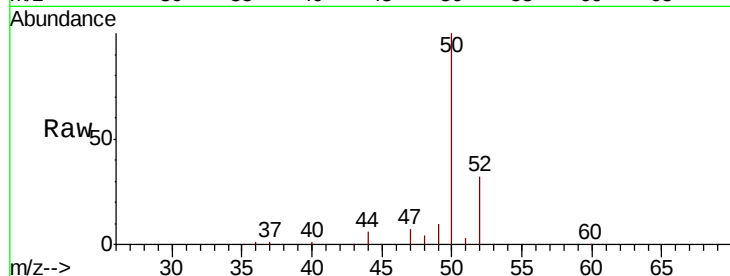
52 32.4 26.6 40.0

Manual Integrations

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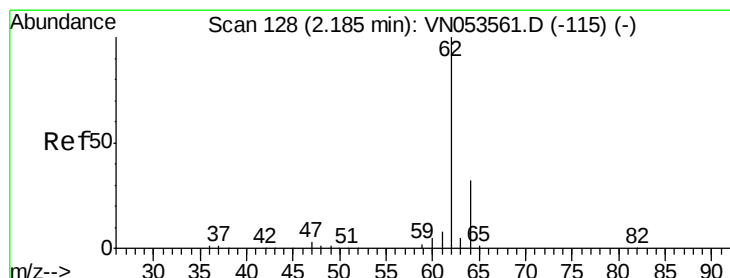
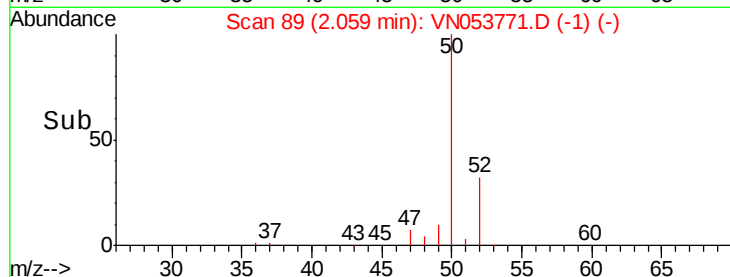
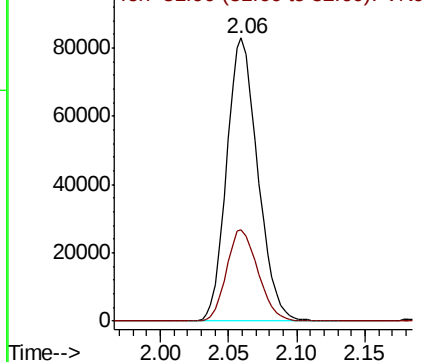
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.526 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053771.D

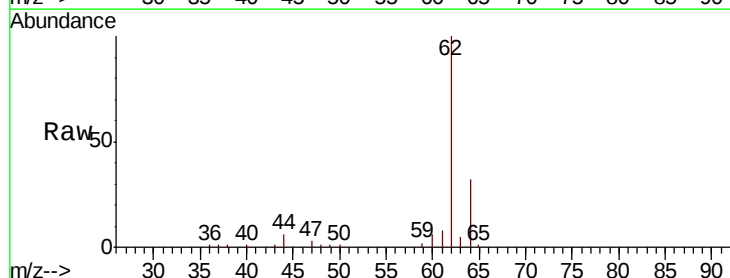
Acq: 14 Feb 2019 11:35

Tgt Ion: 62 Resp: 151611

Ion Ratio Lower Upper

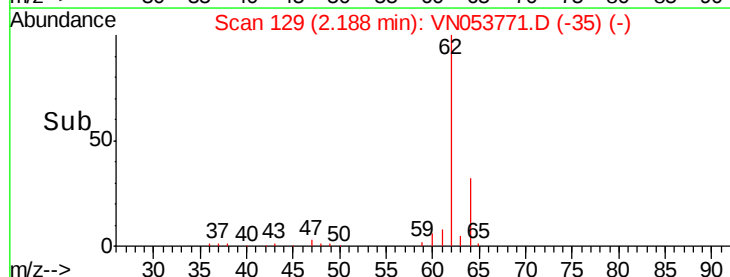
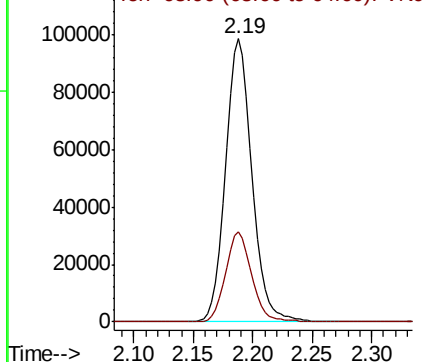
62 100

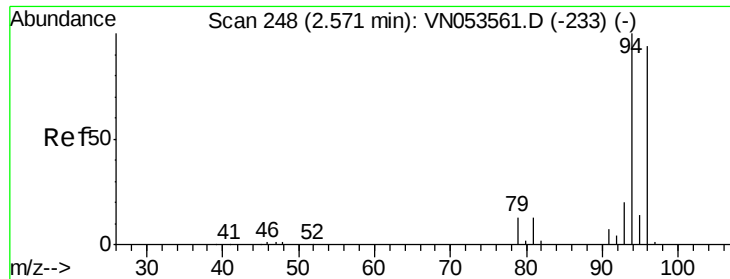
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





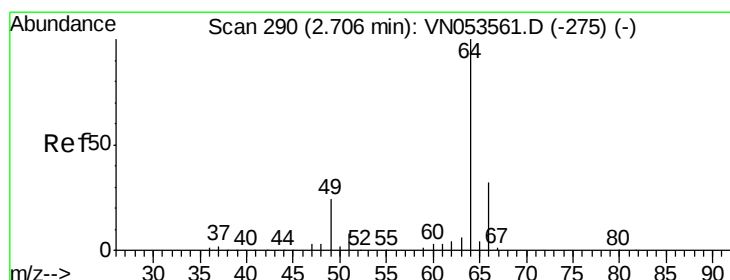
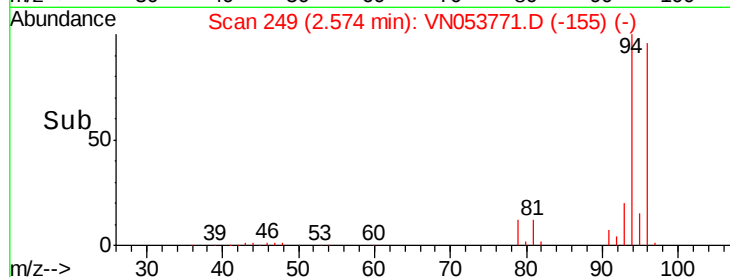
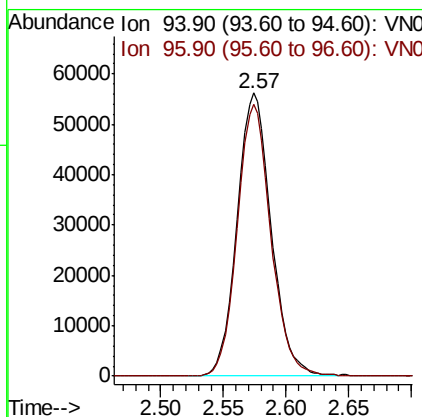
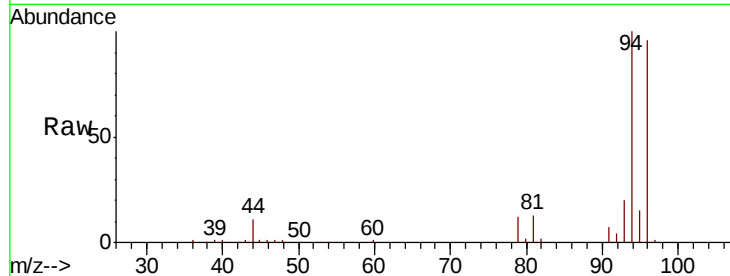
#5
Bromomethane
Concen: 20.904 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 106127
Ion Ratio Lower Upper
94 100
96 96.2 76.8 115.2

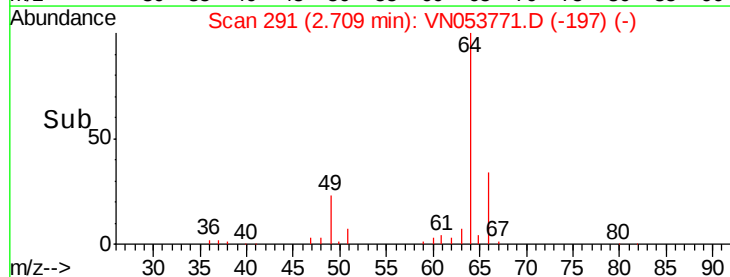
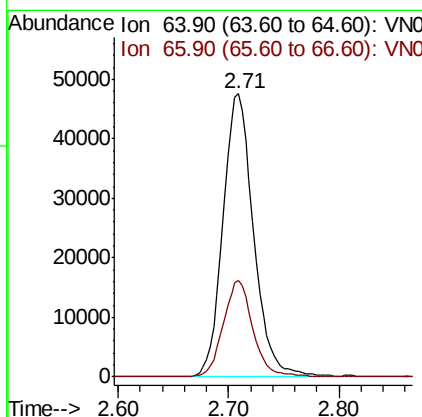
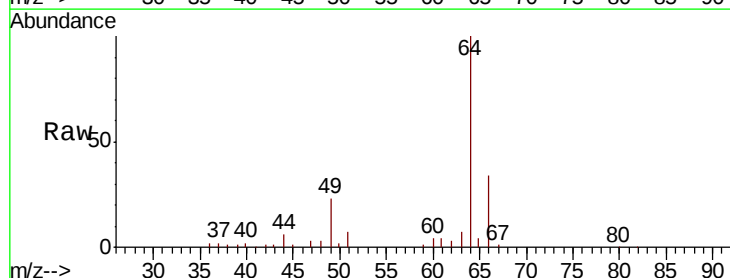
Manual Integrations
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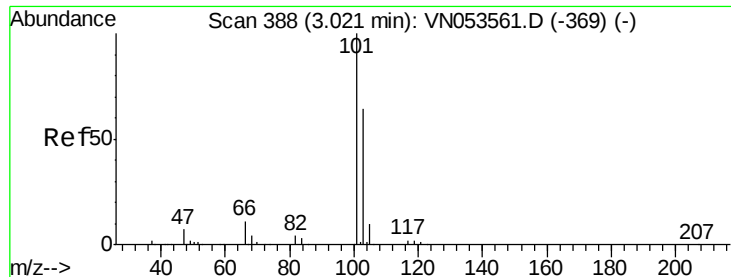
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2/15/2019 10:19:48 AM



#6
Chloroethane
Concen: 20.672 ug/l
RT: 2.71 min Scan# 291
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 64 Resp: 91722
Ion Ratio Lower Upper
64 100
66 34.1 25.1 37.7





#7

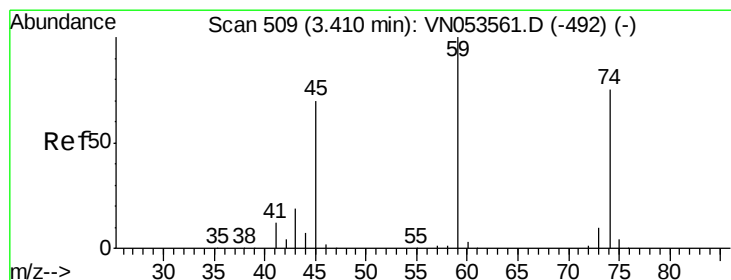
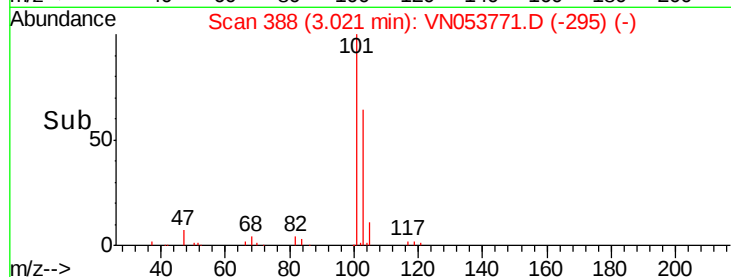
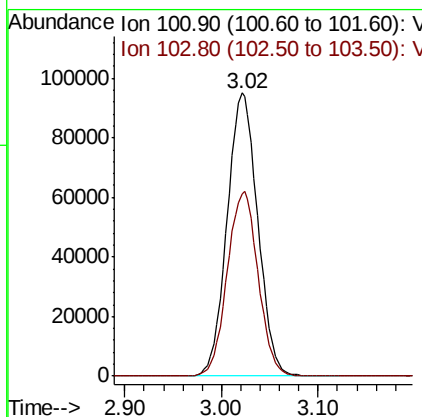
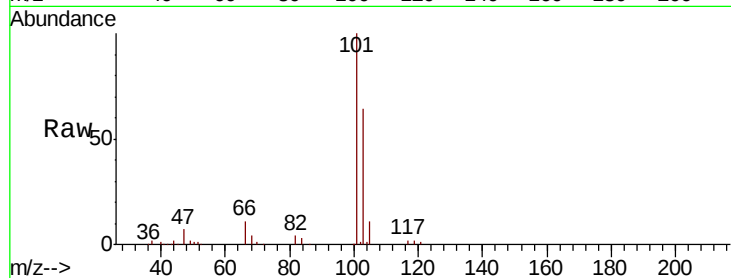
Trichlorofluoromethane
Concen: 19.871 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

Manual Integrations
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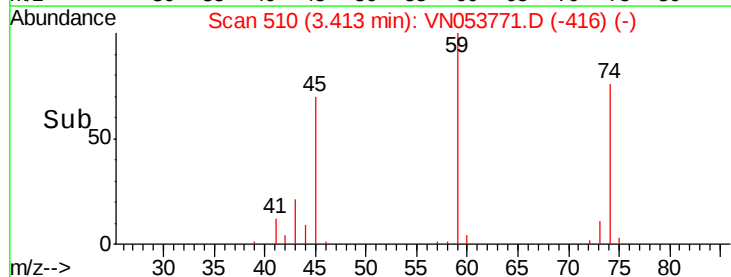
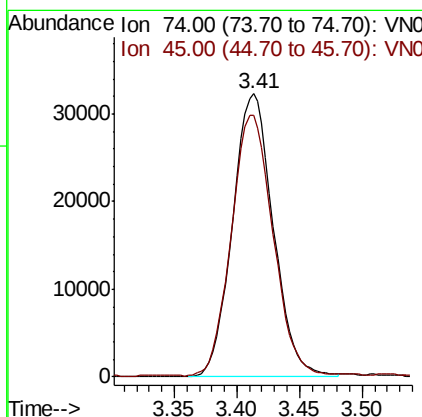
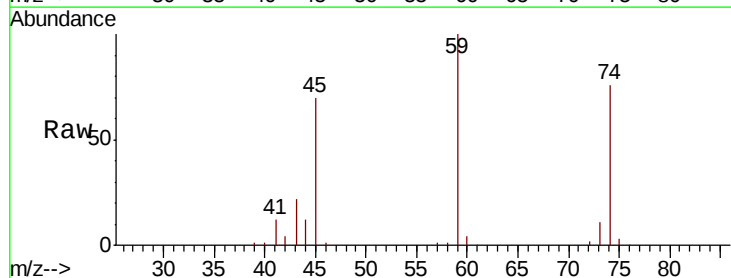
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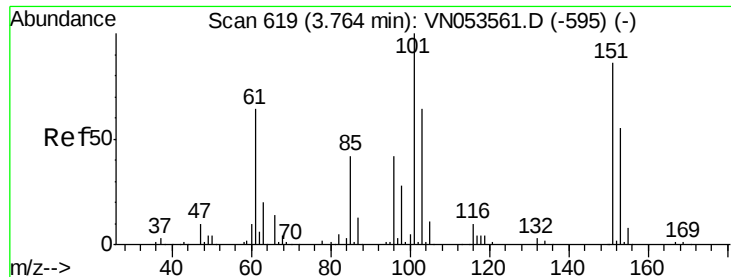


#8

Diethyl Ether
Concen: 19.013 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.166 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

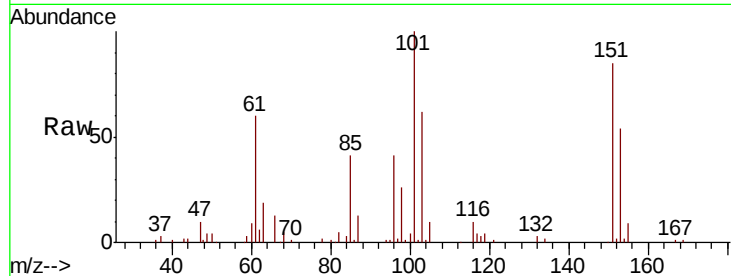
ClientSampleId :

VN0214WBS01

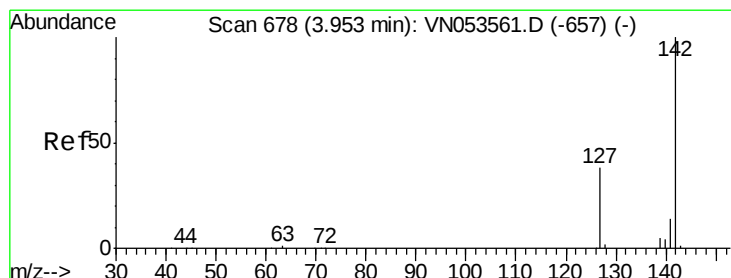
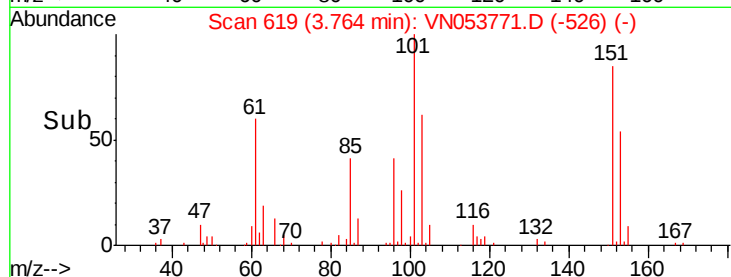
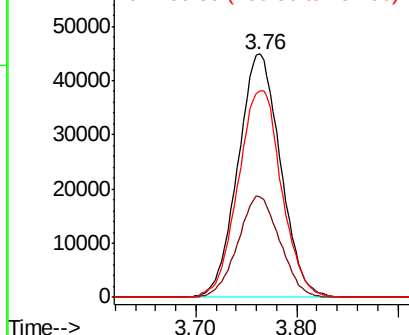
Tot Ion:	101	Resp:	131322
Ion Ratio	Lower	Upper	
101	100		
85	41.1	32.8	49.2
151	86.8	66.9	100.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.171 ug/l

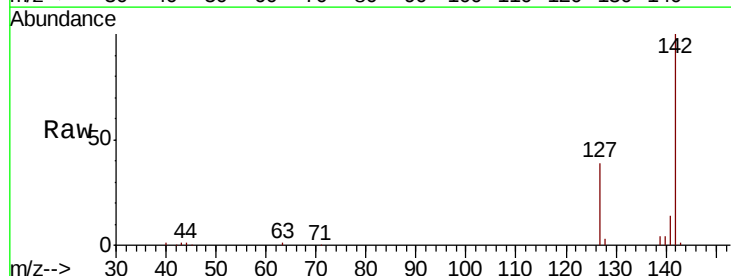
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

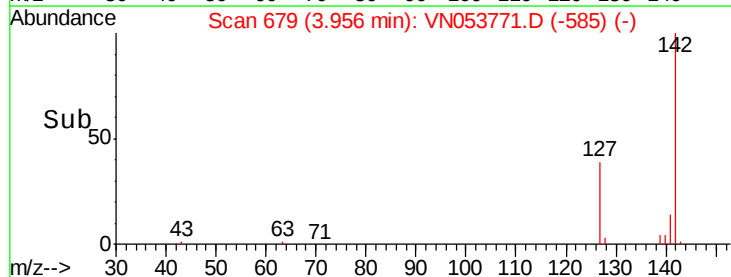
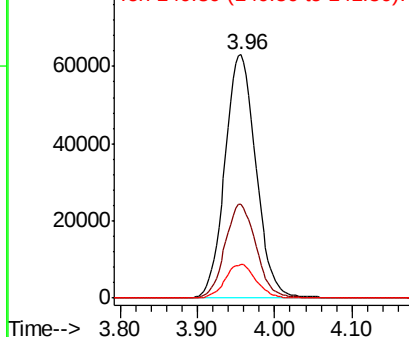
Lab File: VN053771.D

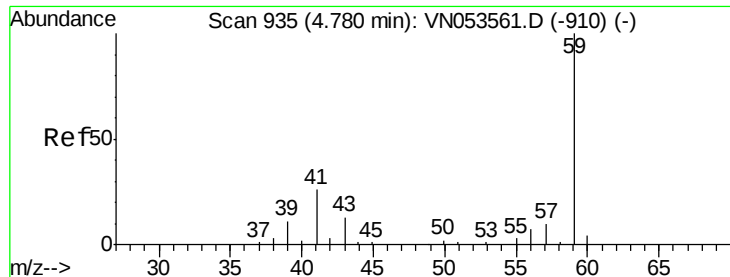
Acq: 14 Feb 2019 11:35

Tgt Ion:	142	Resp:	175507
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	13.8	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





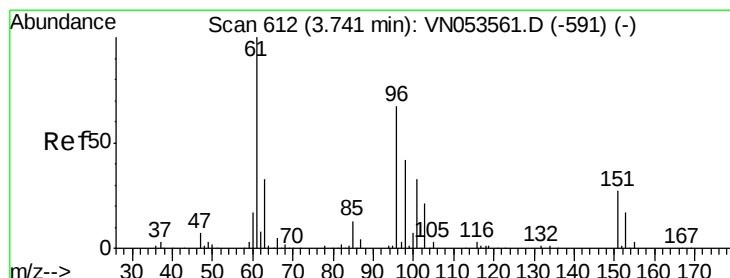
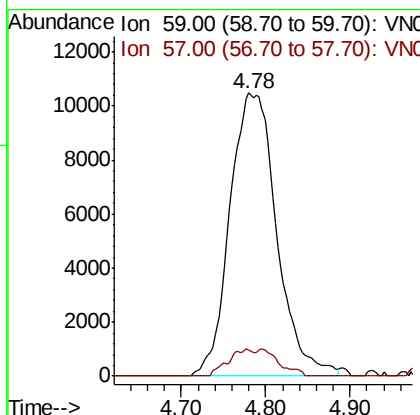
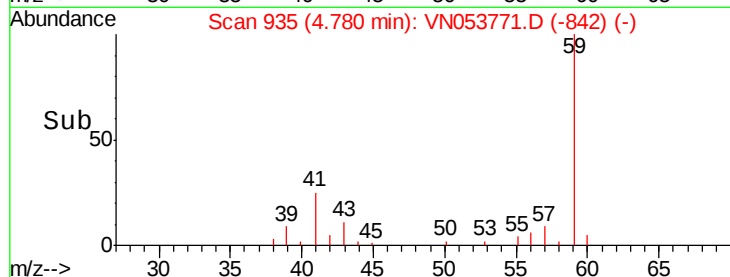
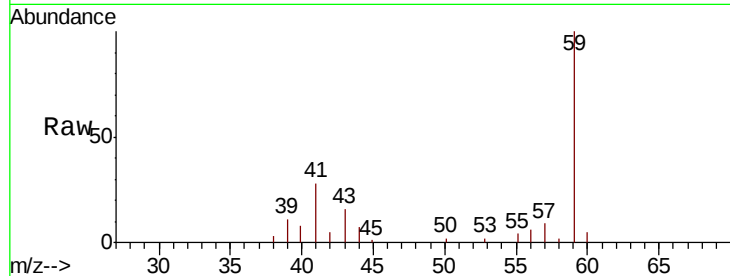
#11
Tert butyl alcohol
Concen: 101.103 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.1	8.2	12.4#

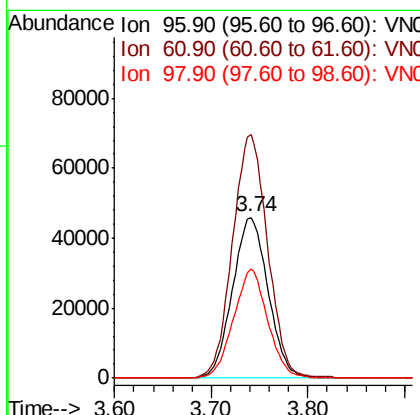
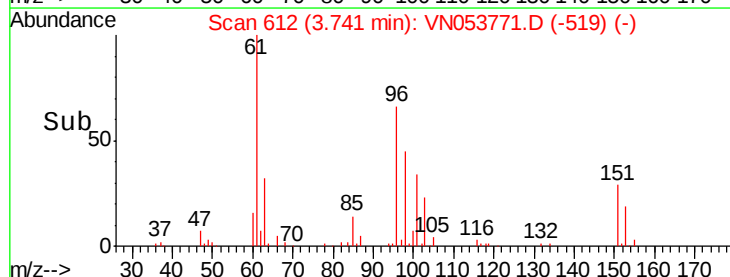
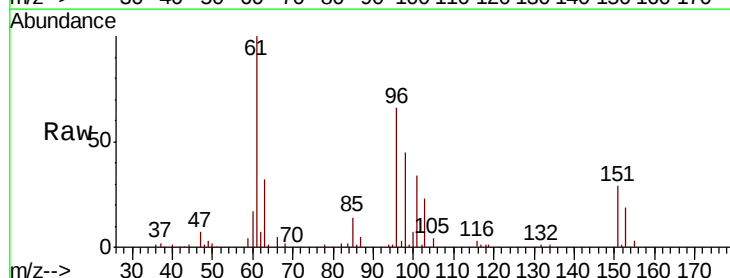
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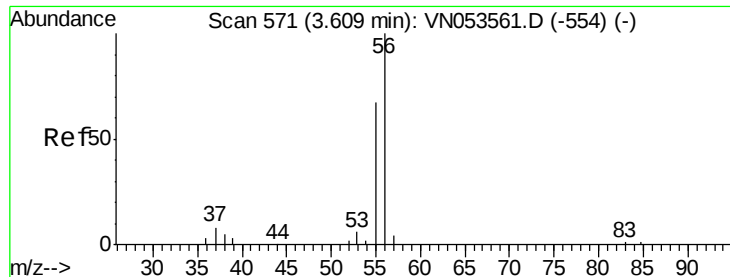
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2/15/2019 10:19:48 AM



#12
1,1-Dichloroethene
Concen: 18.843 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.3	122.9	184.3
98	67.8	49.4	74.0





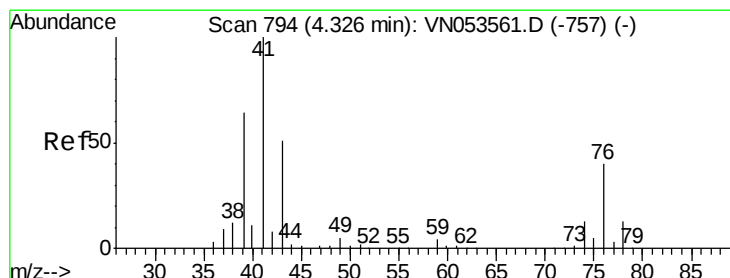
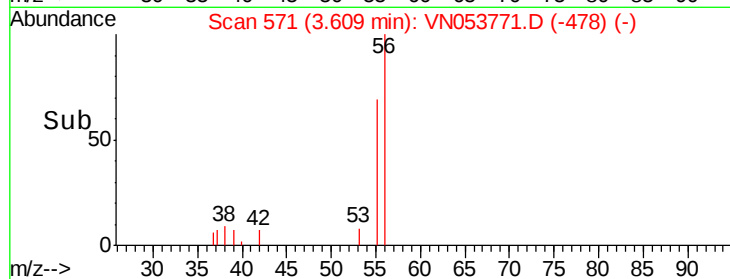
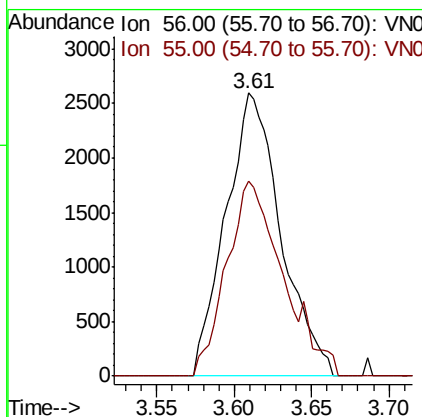
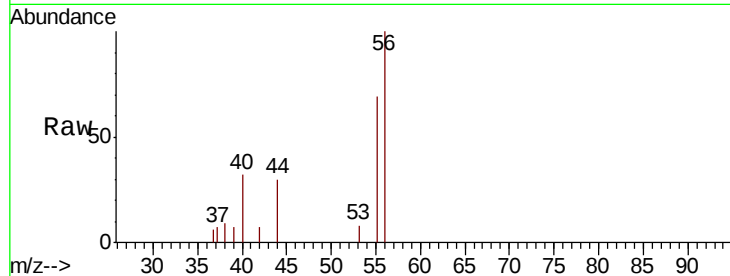
#13
Acrolein
Concen: 29.570 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	57.4	86.0

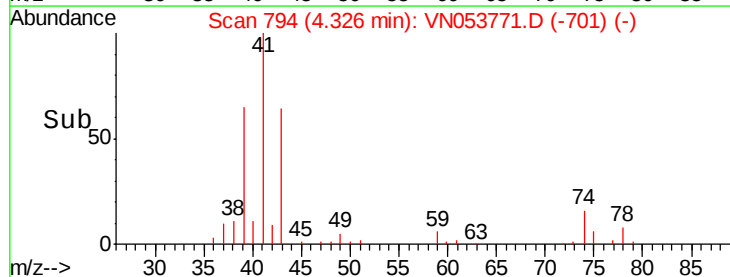
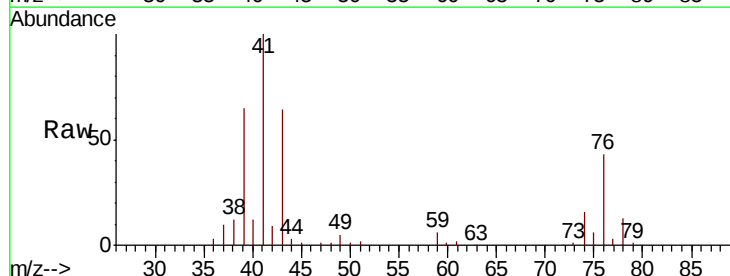
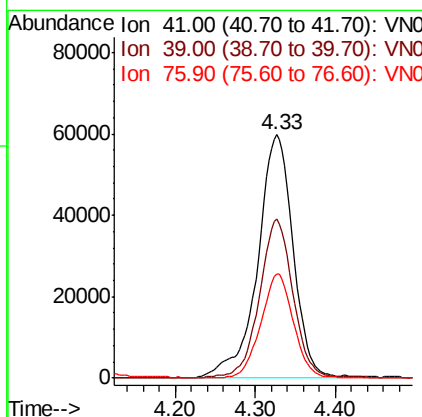
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#14
Allyl chloride
Concen: 18.407 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.9	48.9	73.3
76	39.5	29.4	44.2





#15

Acrylonitrile

Concen: 101.408 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

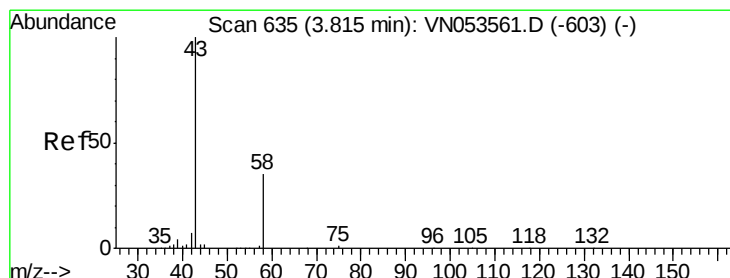
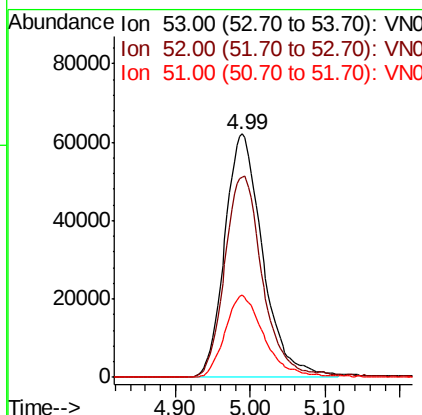
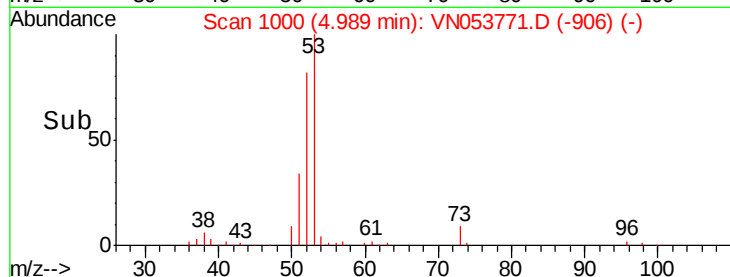
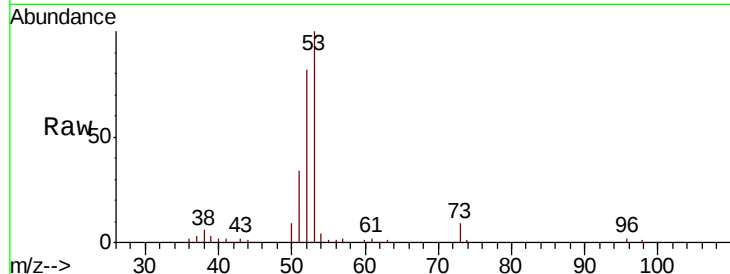
ClientSampleId :

VN0214WBS01

Tot Ion:	53	Resp:	218984
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.0	99.0
51	34.5	28.3	42.5

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#16

Acetone

Concen: 109.935 ug/l

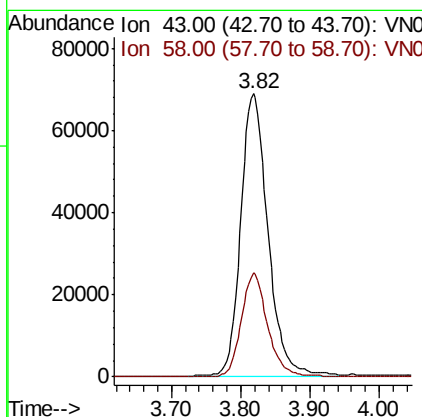
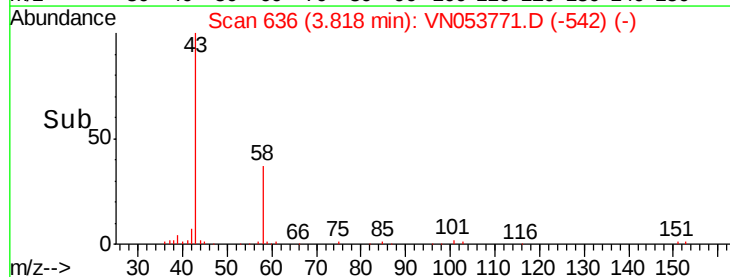
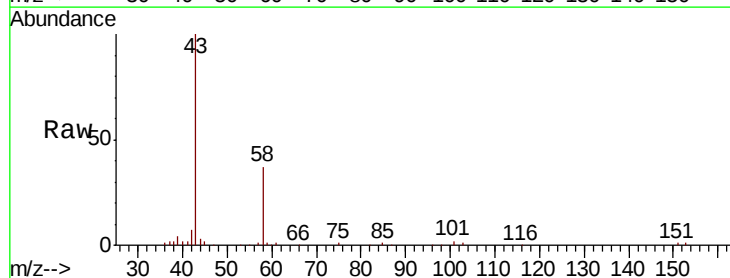
RT: 3.82 min Scan# 636

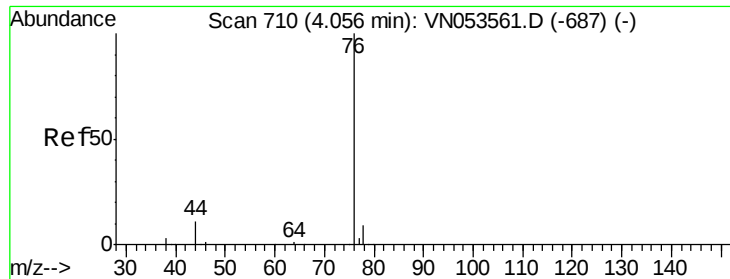
Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	43	Resp:	190592
Ion Ratio	Lower	Upper	
43	100		
58	36.7	27.1	40.7





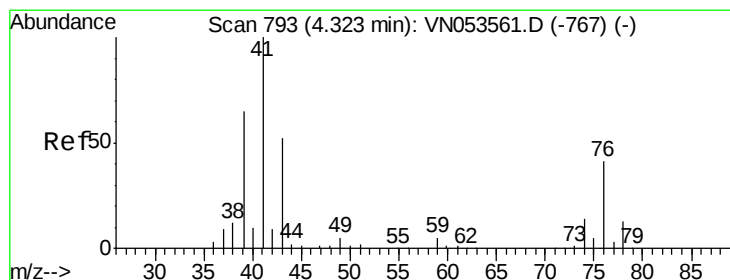
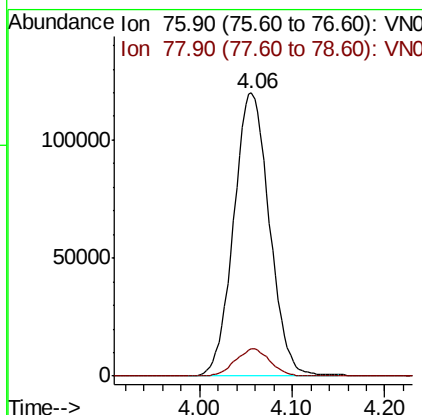
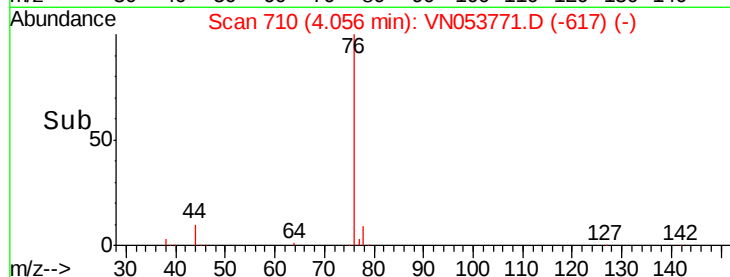
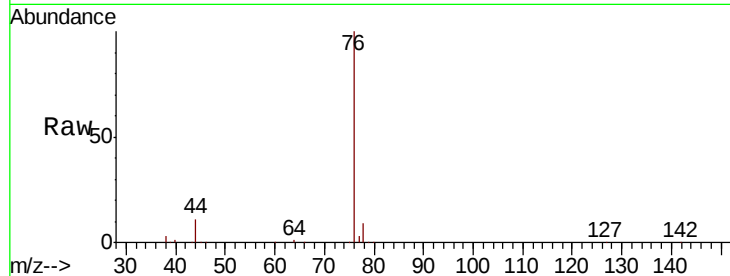
#17
Carbon Disulfide
Concen: 16.515 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

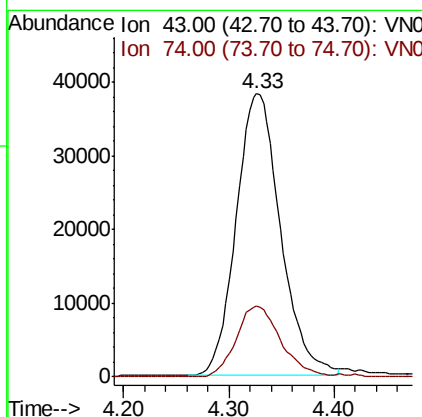
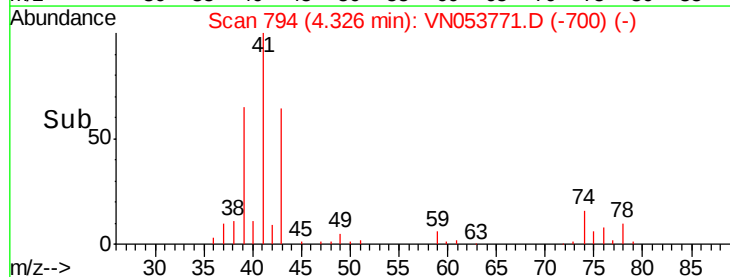
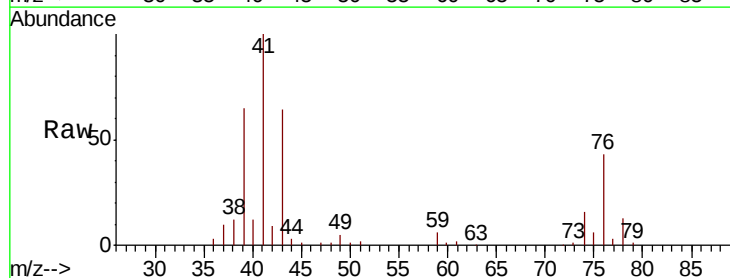
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#18
Methyl Acetate
Concen: 21.818 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





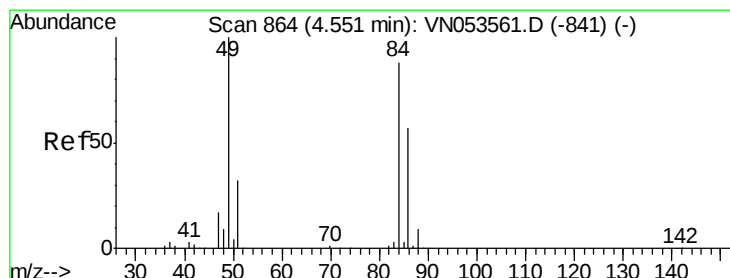
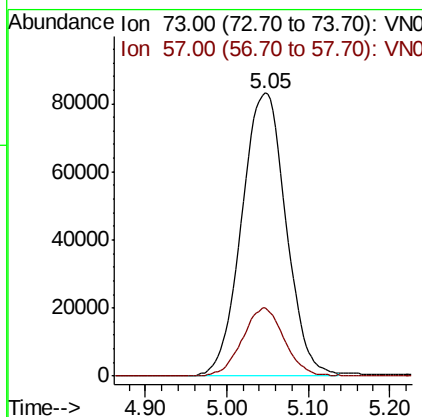
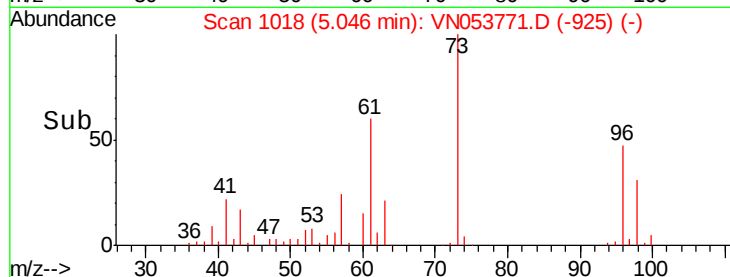
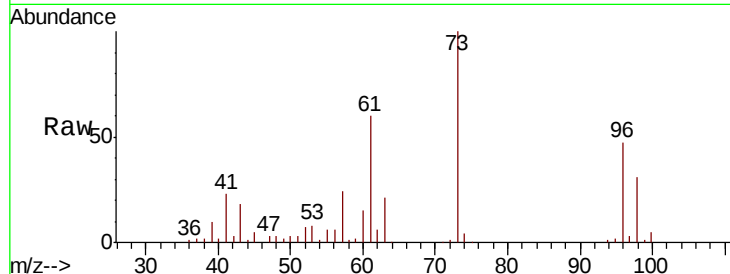
#19
Methyl tert-butyl Ether
Concen: 19.832 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion: 73 Resp: 313667
Ion Ratio Lower Upper
73 100
57 24.2 18.3 27.5

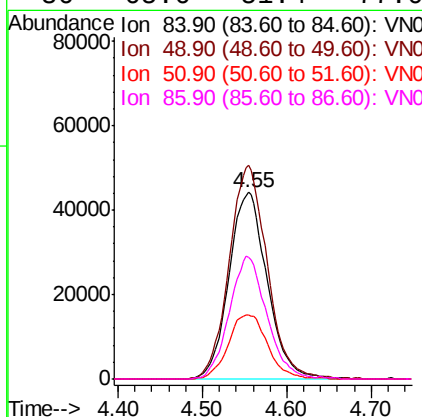
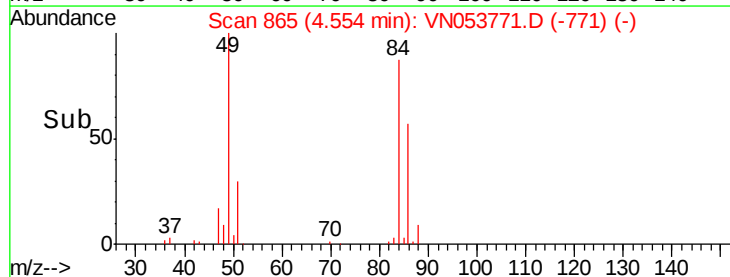
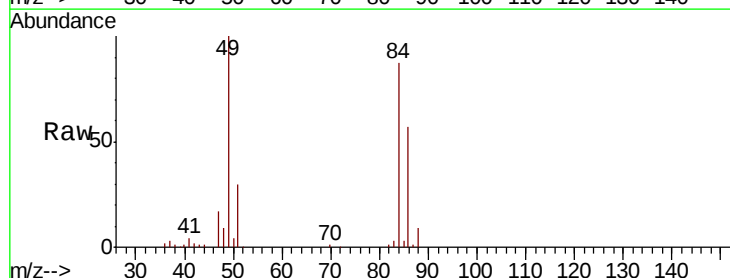
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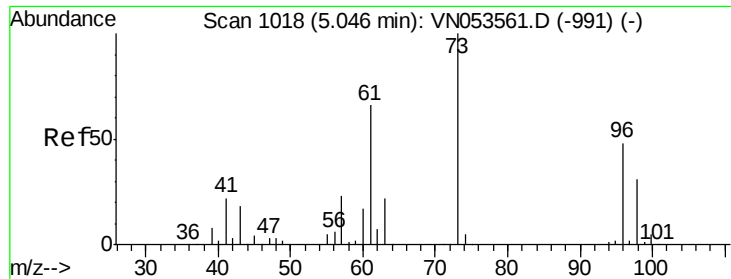
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#20
Methylene Chloride
Concen: 19.199 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 84 Resp: 139644
Ion Ratio Lower Upper
84 100
49 114.6 94.3 141.5
51 34.1 29.4 44.2
86 65.6 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.769 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

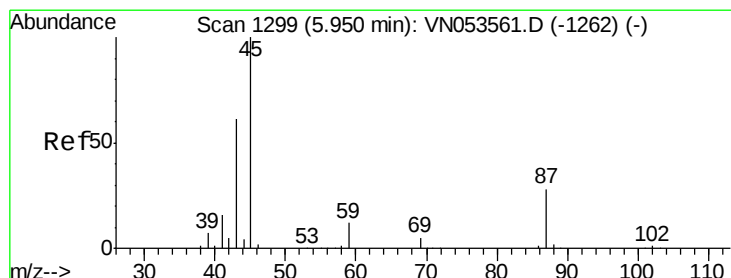
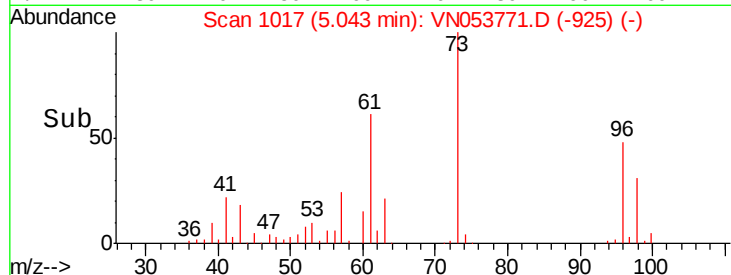
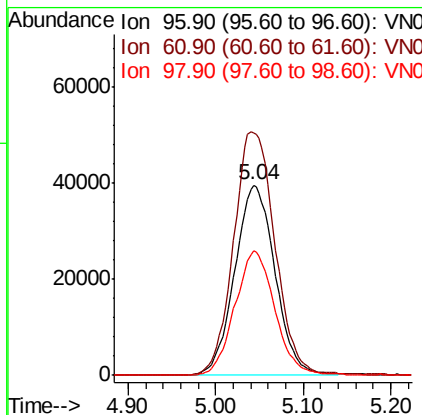
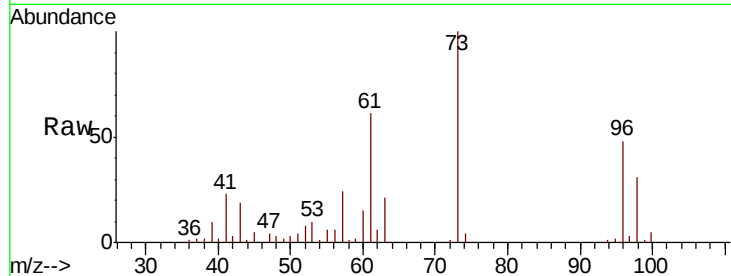
ClientSampleId :

VN0214WBS01

Tot Ion:	96	Resp:	126331
Ion	Ratio	Lower	Upper
96	100		
61	126.8	110.1	165.1
98	65.3	50.0	75.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.299 ug/l

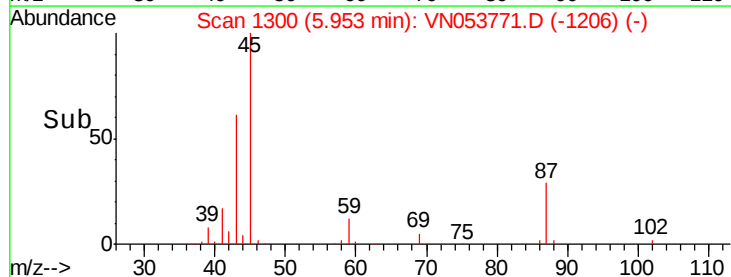
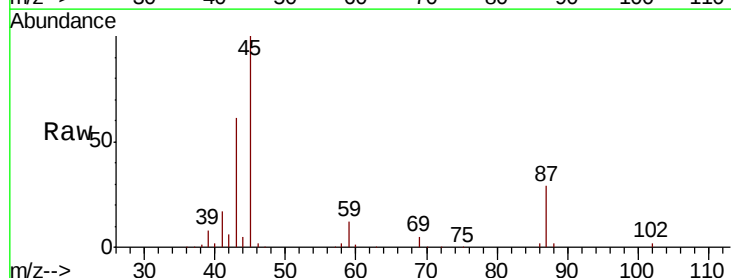
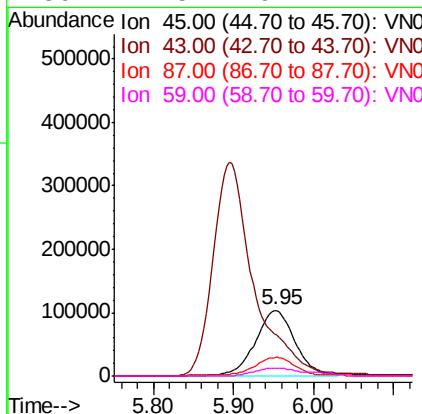
RT: 5.95 min Scan# 1300

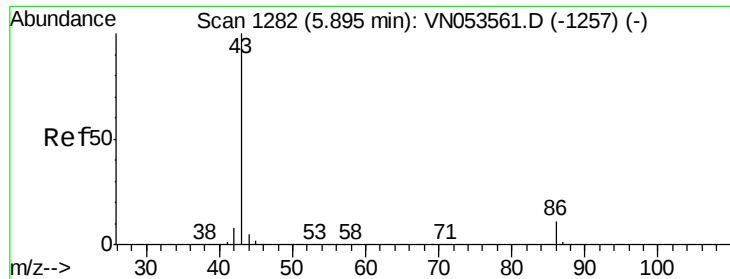
Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	45	Resp:	355232
Ion	Ratio	Lower	Upper
45	100		
43	57.2	44.2	66.4
87	27.4	22.7	34.1
59	11.5	9.4	14.2





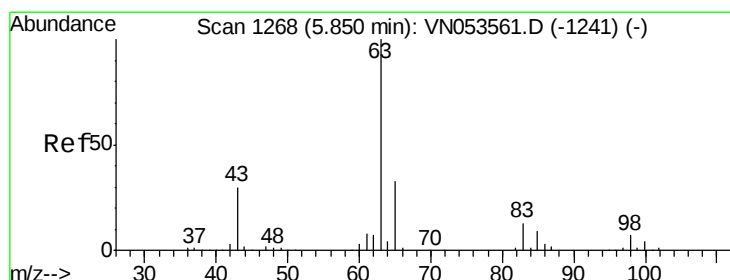
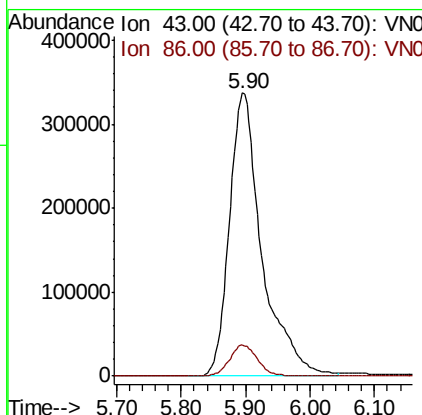
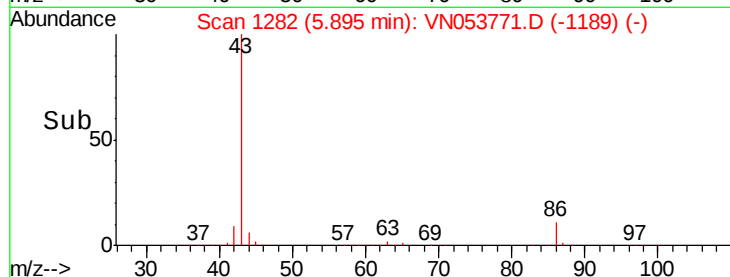
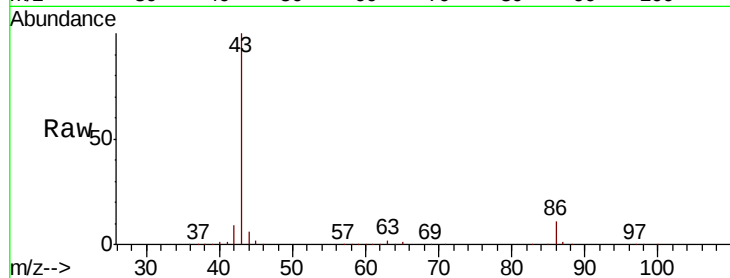
#23
 Vinyl Acetate
 Concen: 93.119 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion: 43 Resp: 1185721
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

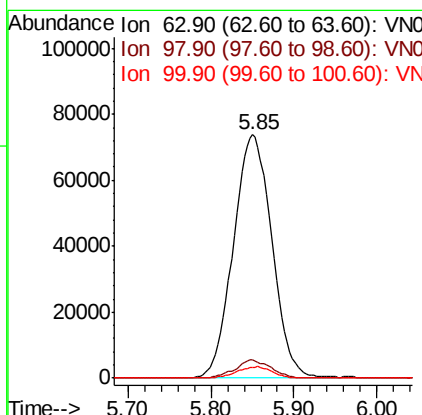
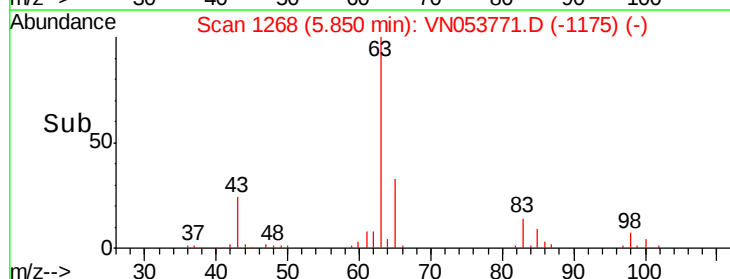
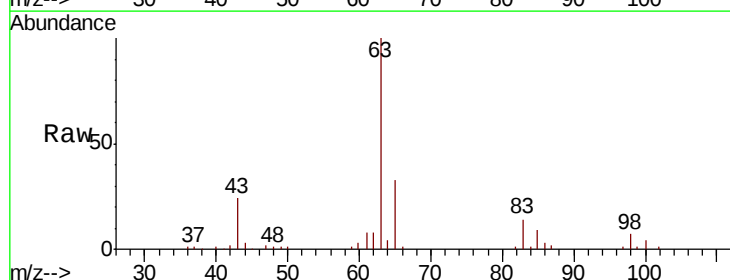
Manual Integrations
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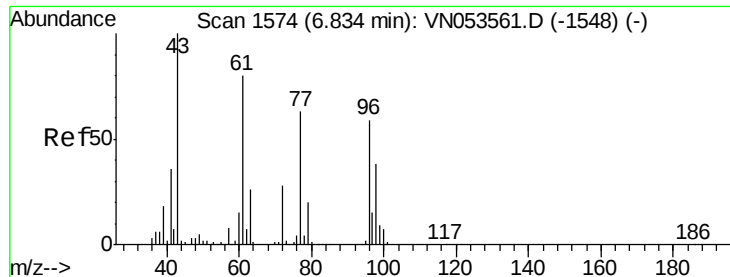
MMDadoda
 2/15/2019 10:19:48 AM



#24
 1,1-Dichloroethane
 Concen: 19.426 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 63 Resp: 238491
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.3 9.9
 100 4.4 2.1 6.5





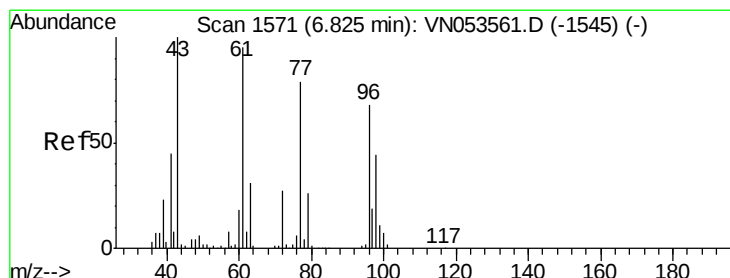
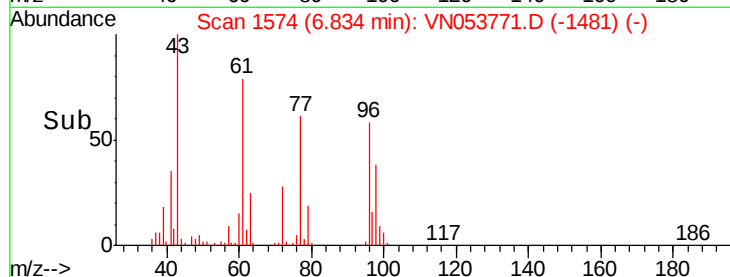
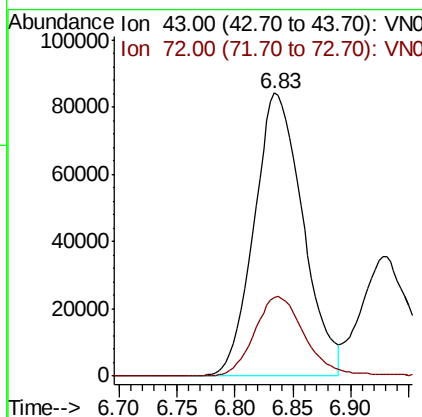
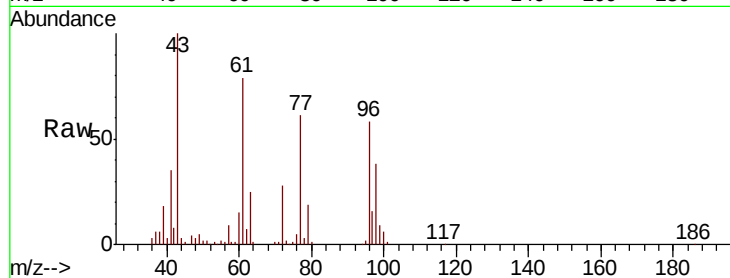
#25
2-Butanone
Concen: 99.806 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	28.0	22.0	33.0

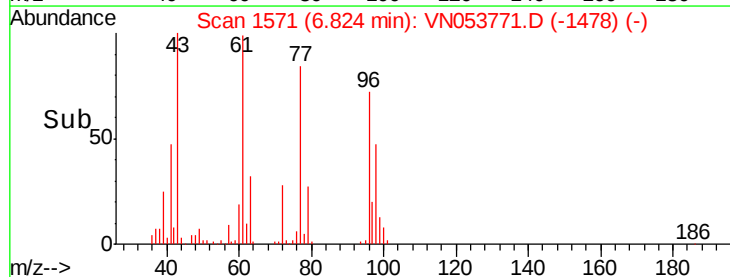
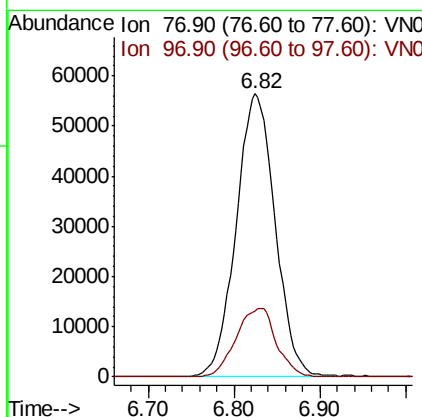
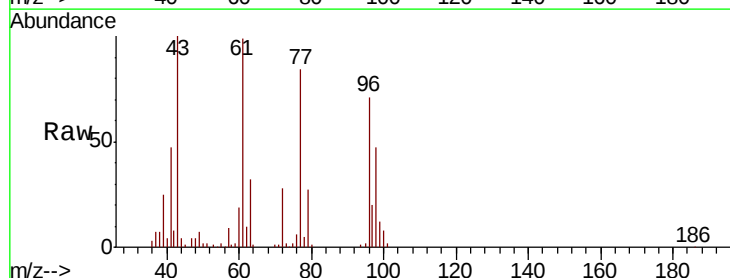
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:48 AM



#26
2,2-Dichloropropane
Concen: 18.940 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.0	12.2	36.6





#27

cis-1,2-Dichloroethene

Concen: 19.731 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

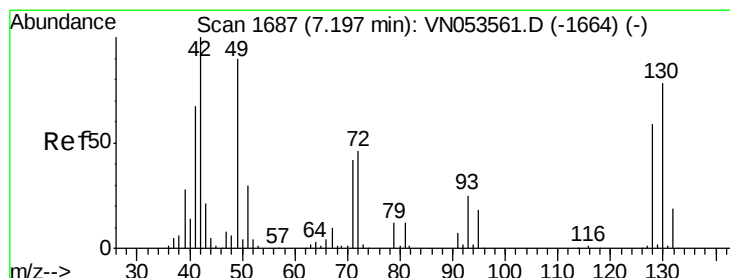
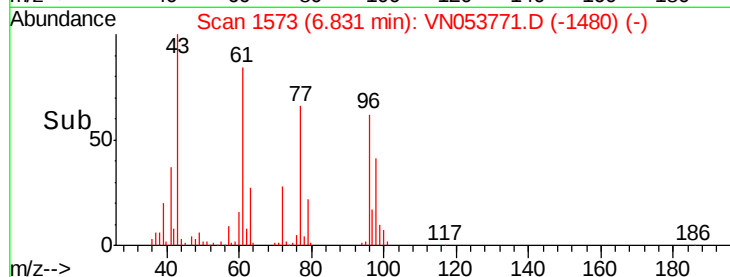
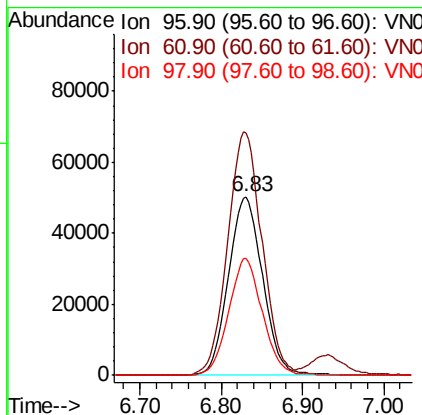
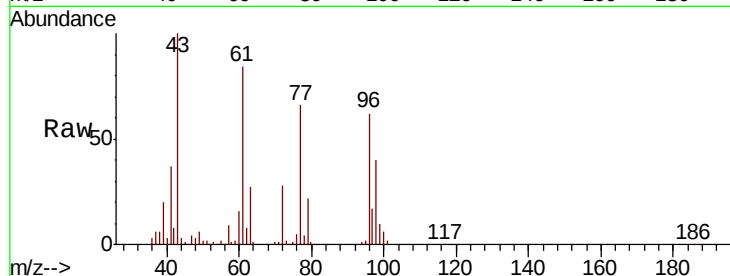
ClientSampleId :

VN0214WBS01

Tot Ion:	96	Resp:	147681
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	283.8
98	64.3	0.0	129.2

Manual Integrations
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2/15/2019 10:19:48 AM



#28

Bromochloromethane

Concen: 18.229 ug/l

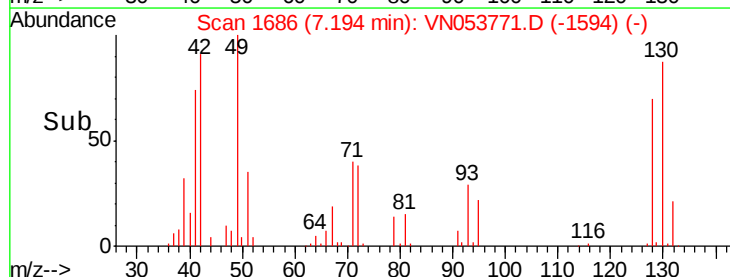
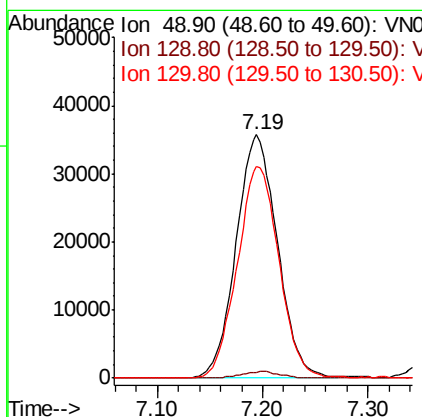
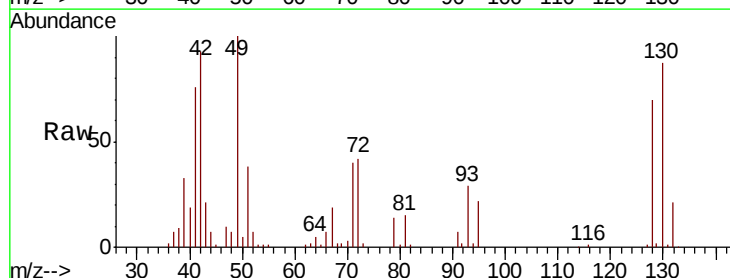
RT: 7.19 min Scan# 1686

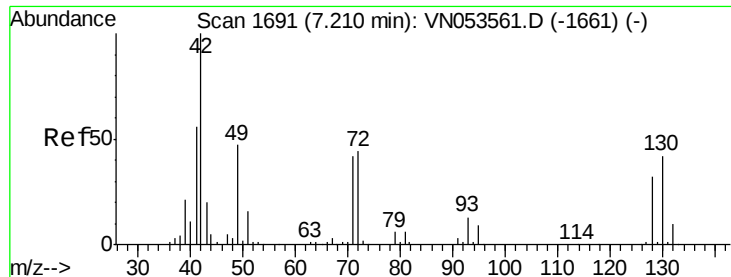
Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	49	Resp:	97120
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	87.6	66.3	99.5





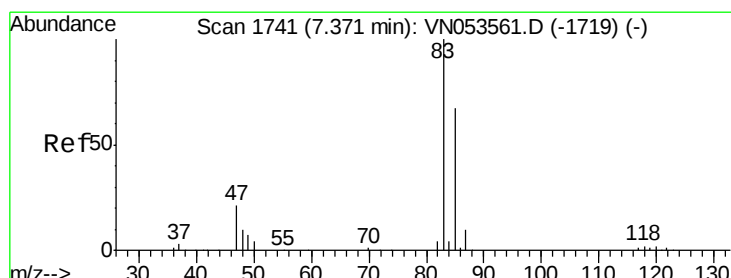
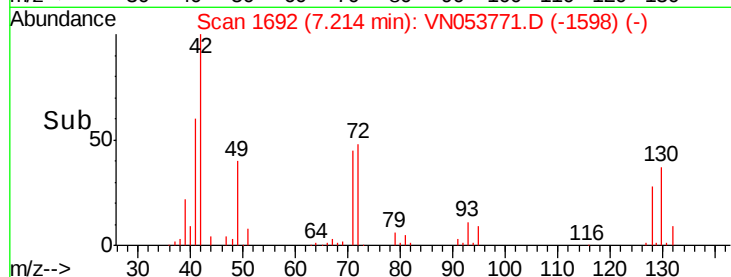
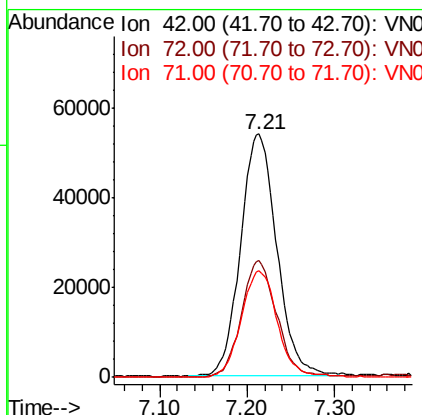
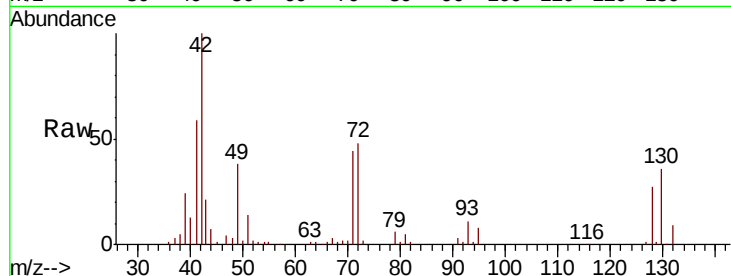
#29
Tetrahydrofuran
Concen: 97.950 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	35.2	52.8
71	43.3	33.0	49.4

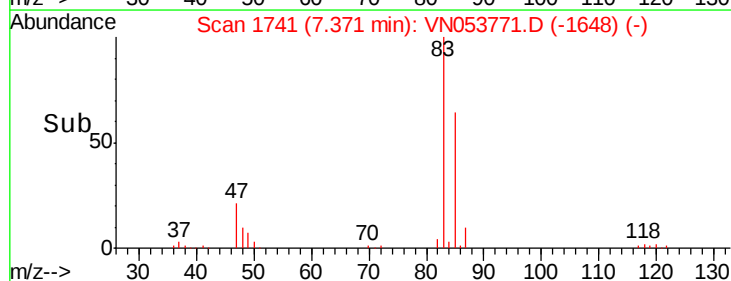
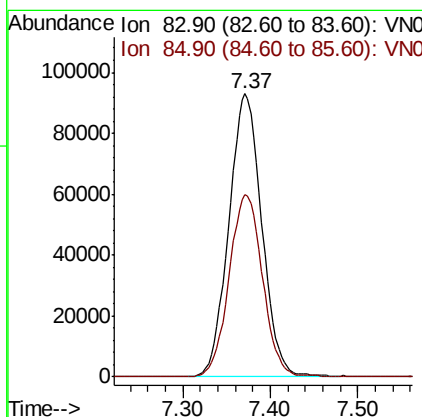
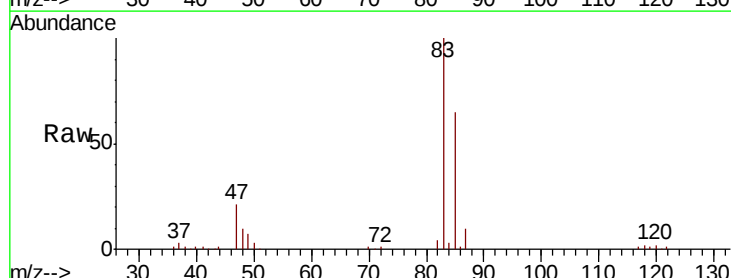
Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:48 AM



#30
Chloroform
Concen: 19.967 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.2





#31

Cyclohexane

Concen: 17.864 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

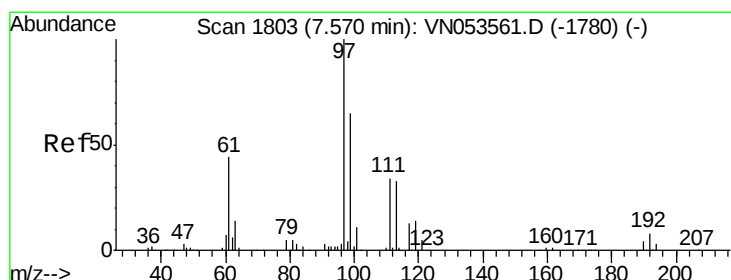
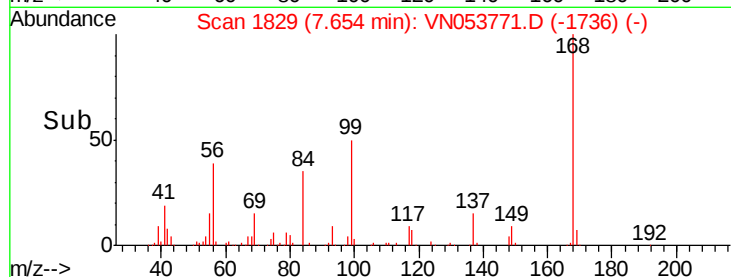
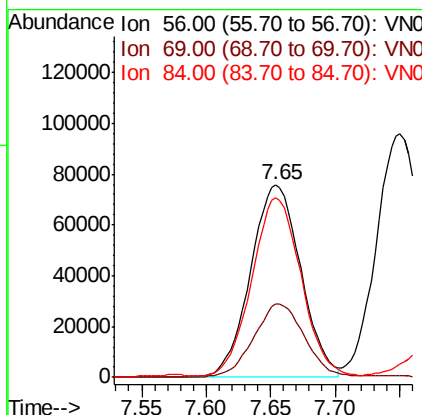
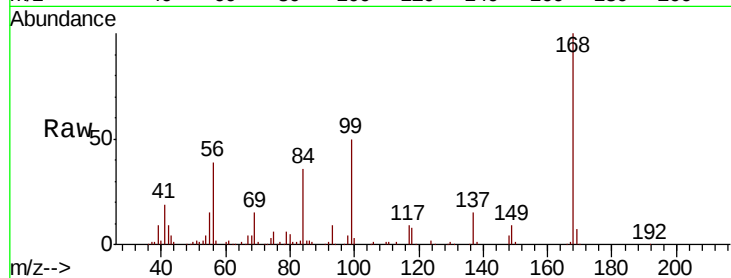
ClientSampleId :

VN0214WBS01

Tot Ion:	56	Resp:	205439
Ion Ratio	Lower	Upper	
56	100		
69	38.0	26.4	39.6
84	92.5	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.713 ug/l

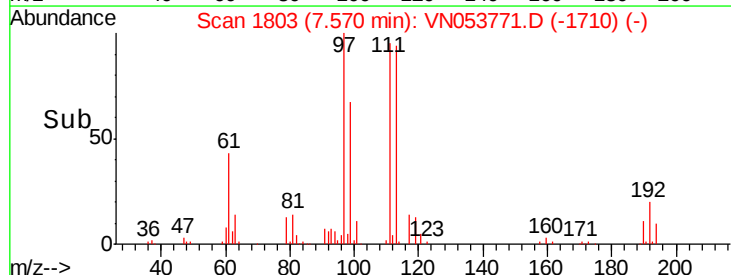
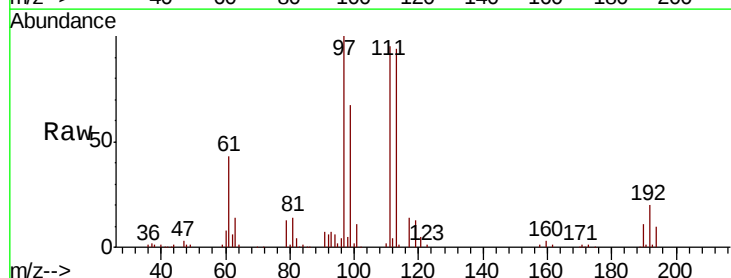
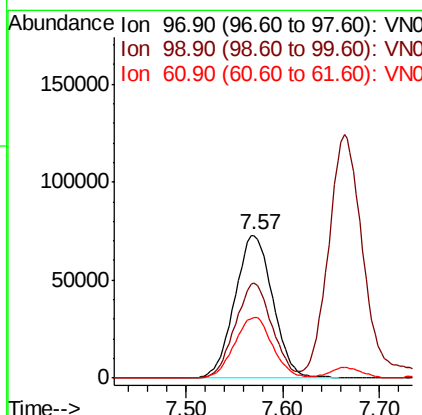
RT: 7.57 min Scan# 1803

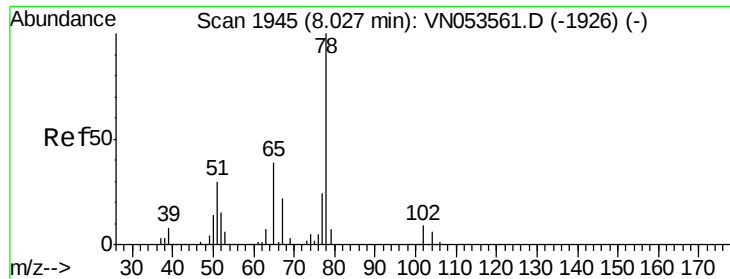
Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	97	Resp:	199650
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.0	78.0
61	42.3	34.4	51.6





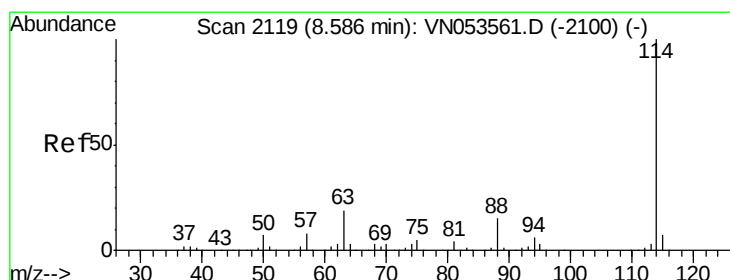
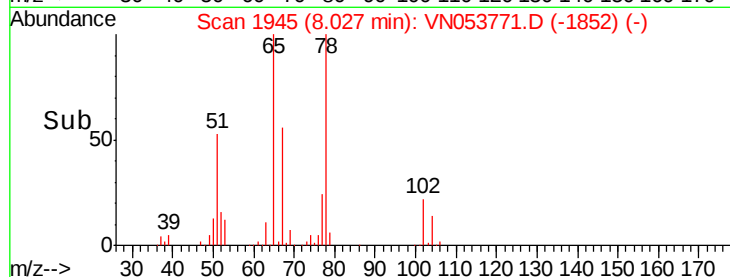
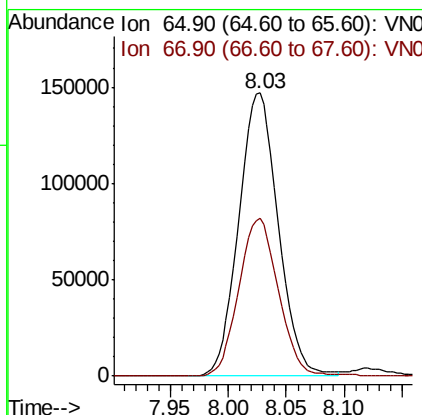
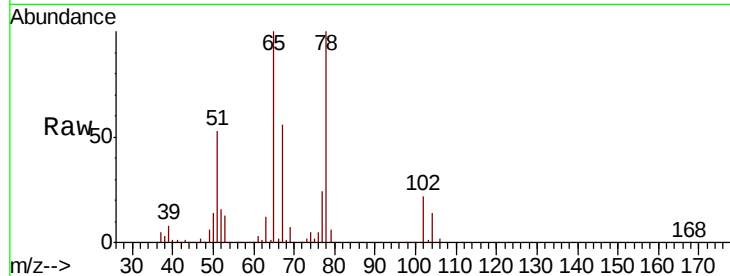
#33
 1,2-Dichloroethane-d4
 Concen: 51.719 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.7	0.0	111.2	

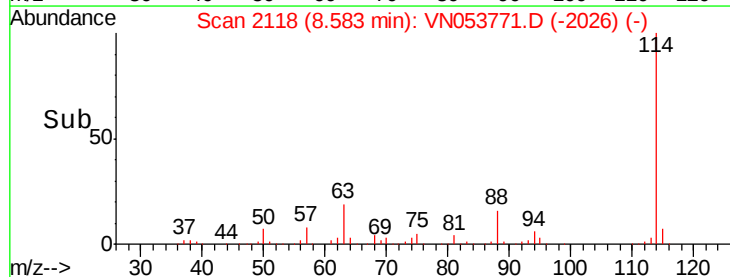
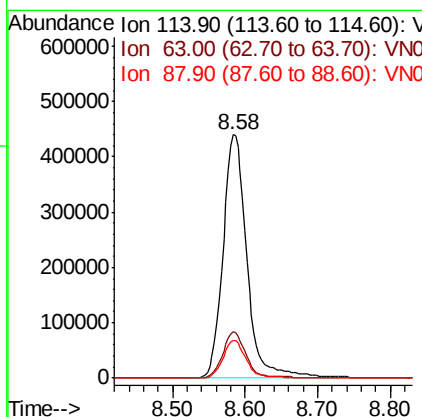
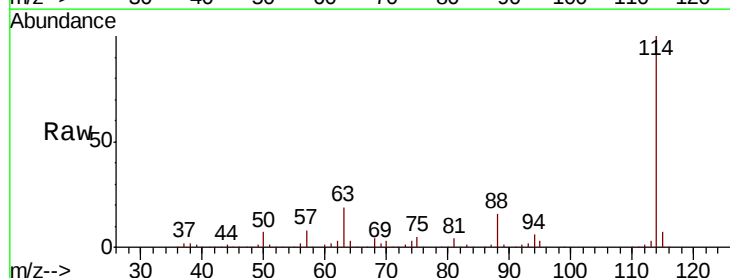
Manual Integrations
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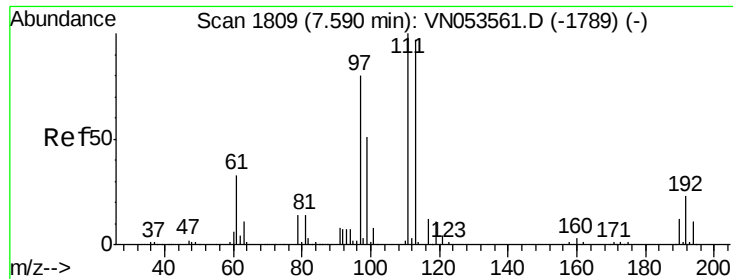
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 2/15/2019 10:19:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	15.6	0.0	30.4	





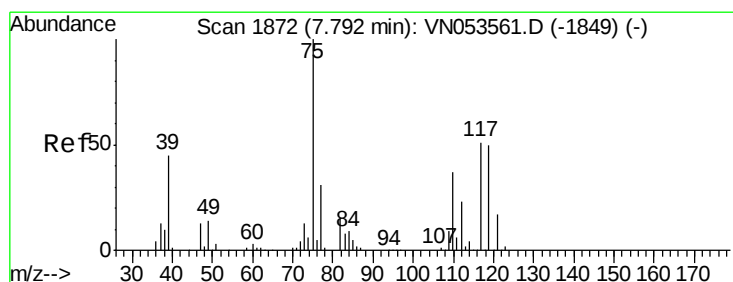
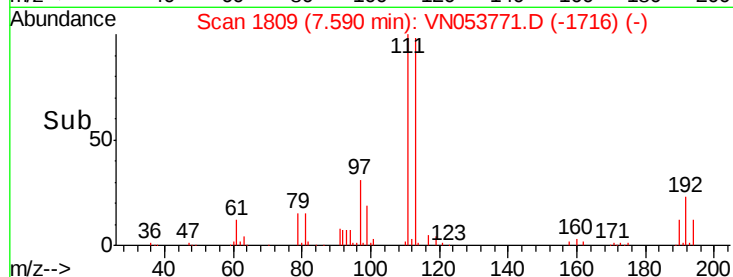
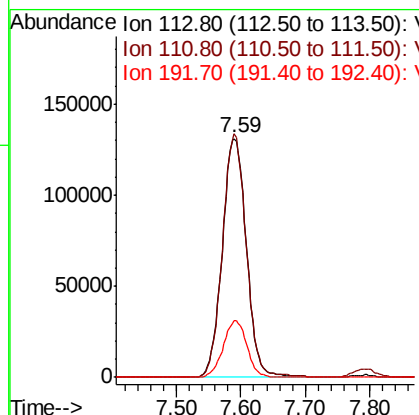
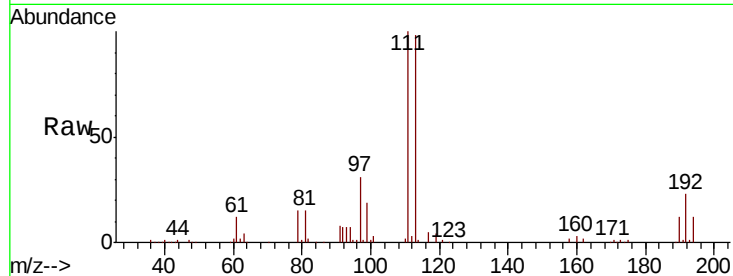
#35
 Dibromofluoromethane
 Concen: 53.781 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	342969		
111	100.0	81.1	121.7	
192	23.1	18.2	27.2	

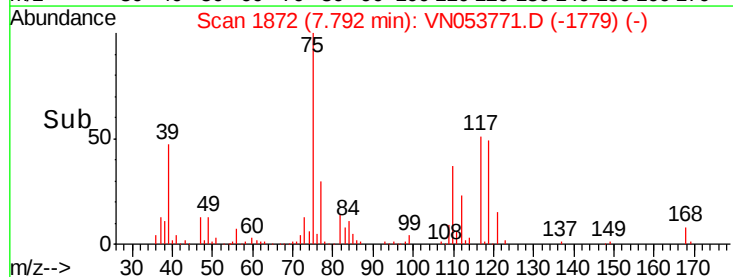
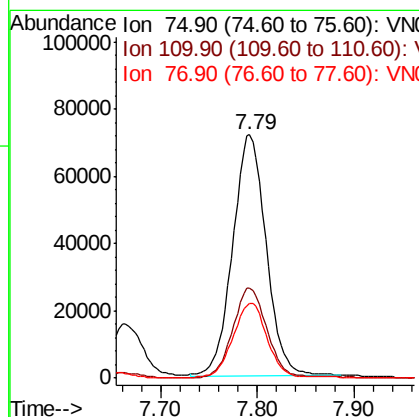
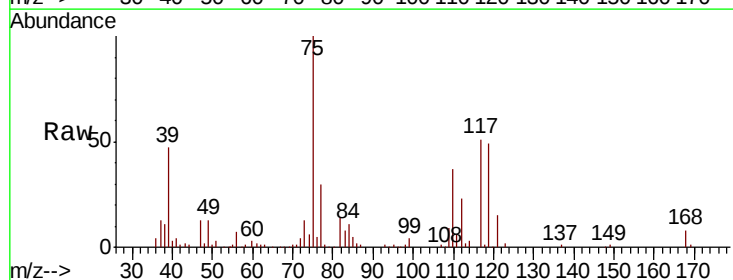
Manual Integrations
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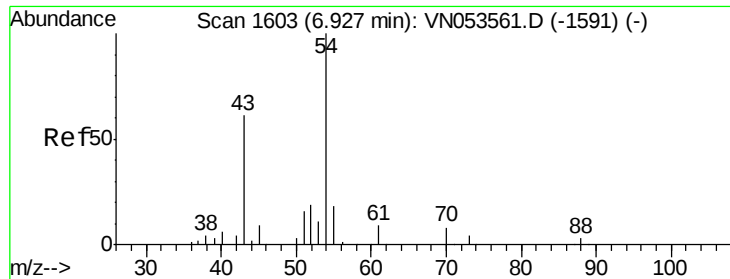
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#36
 1,1-Dichloropropene
 Concen: 19.109 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	173847		
110	37.9	18.1	54.3	
77	31.7	25.1	37.7	





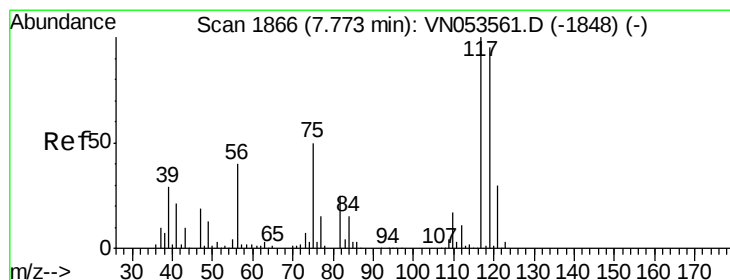
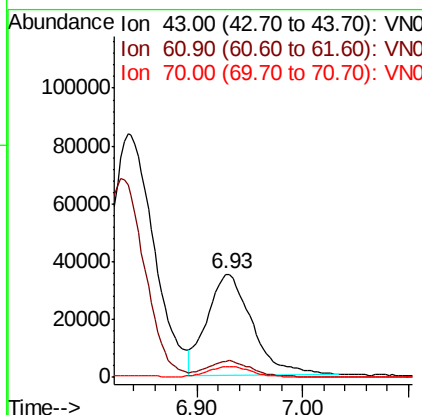
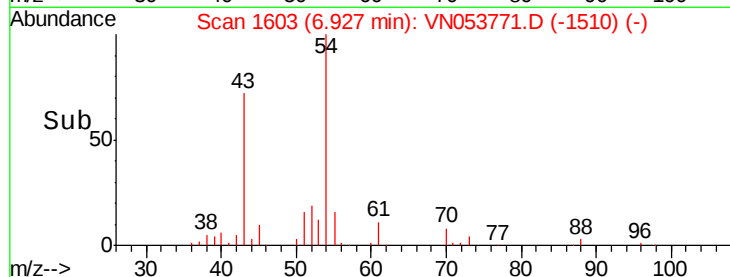
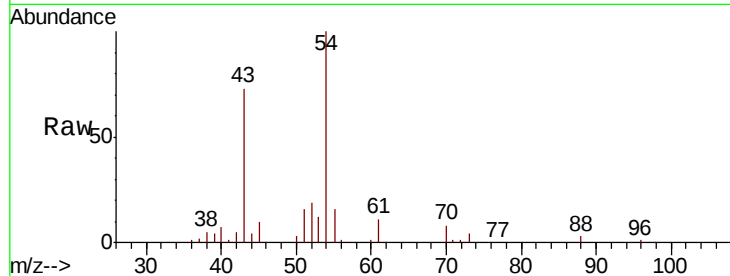
#37
Ethyl Acetate
Concen: 20.450 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.8	17.6
70	10.5	8.6	12.8

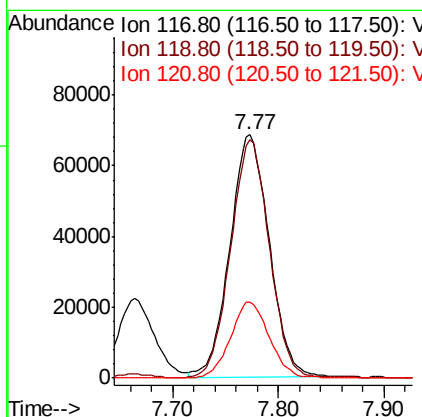
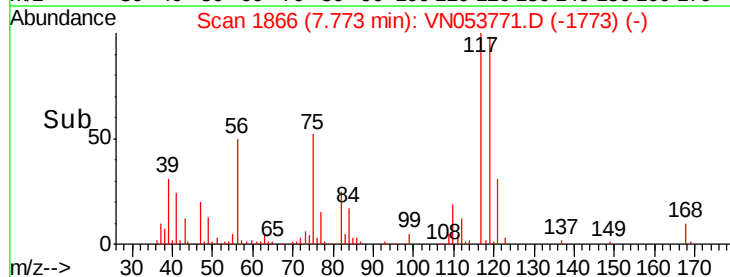
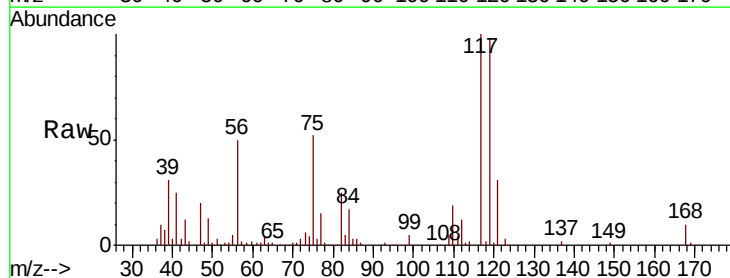
Manual Integrations
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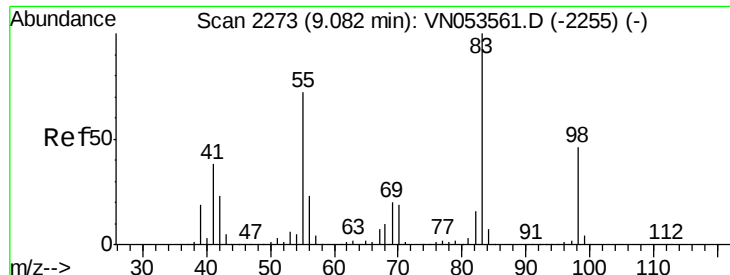
MMDadoda
2/15/2019 10:19:48 AM



#38
Carbon Tetrachloride
Concen: 19.298 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.2	115.8
121	31.2	24.6	37.0





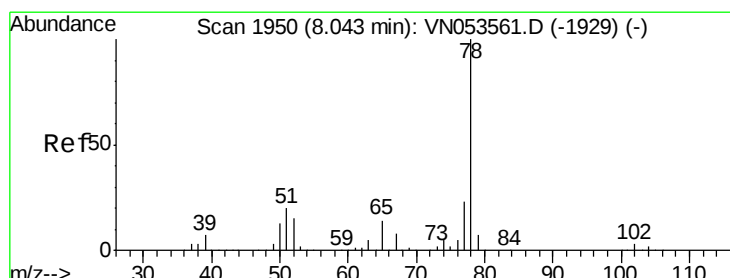
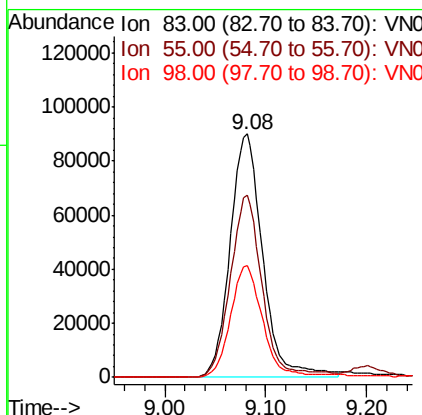
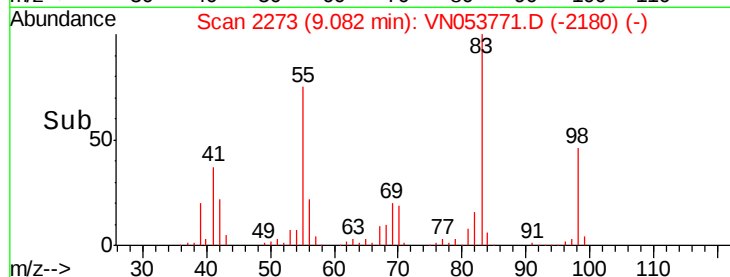
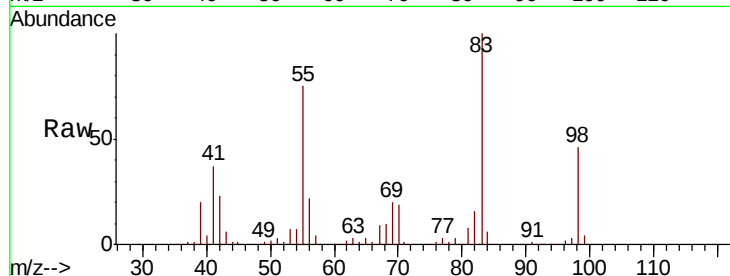
#39
Methvlcvclohexane
Concen: 18.808 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	60.1	90.1
98	45.8	36.6	55.0

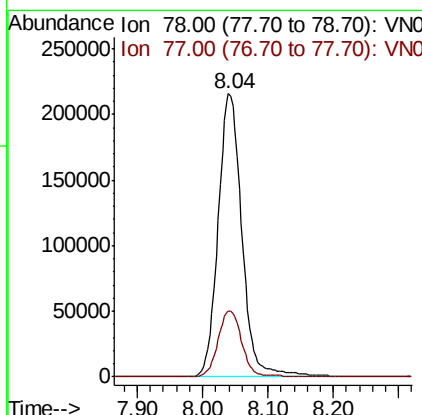
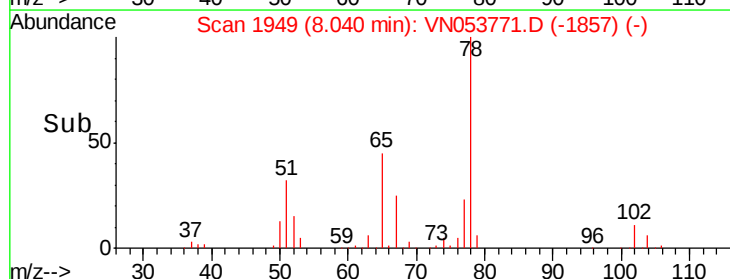
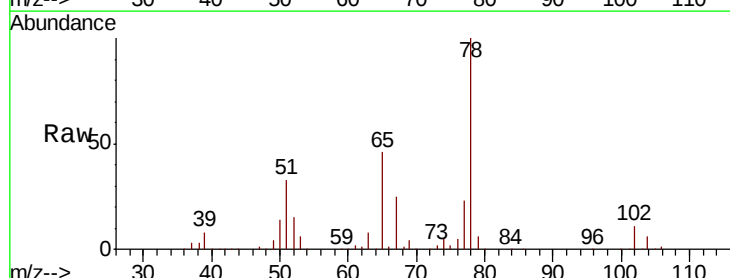
Manual Integrations
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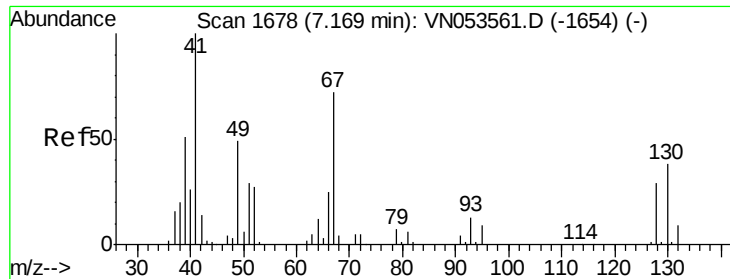
MMDadoda
2/15/2019 10:19:48 AM



#40
Benzene
Concen: 19.492 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





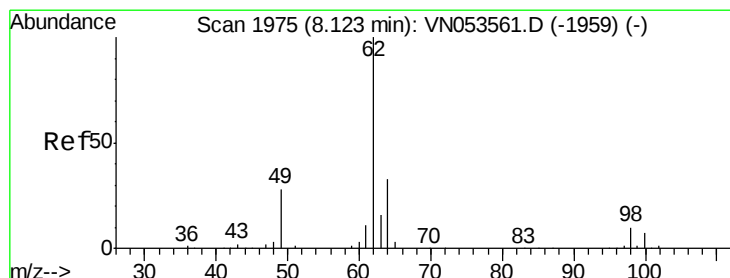
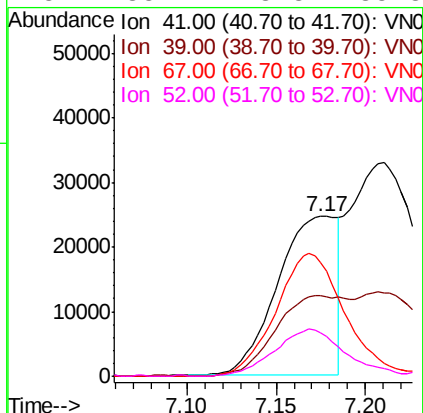
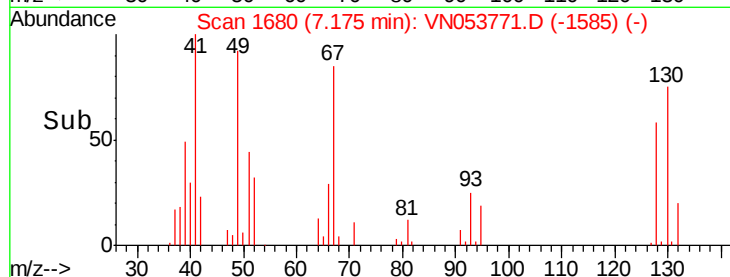
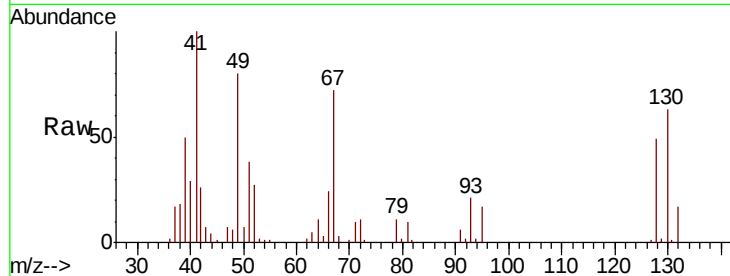
#41
Methacrylonitrile
Concen: 20.151 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.8	46.8	70.2	
67	90.0	63.0	94.6	
52	35.2	23.8	35.8	

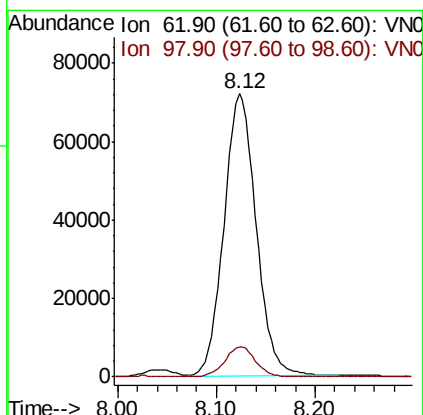
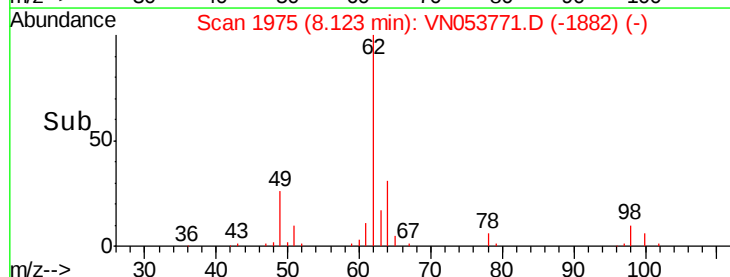
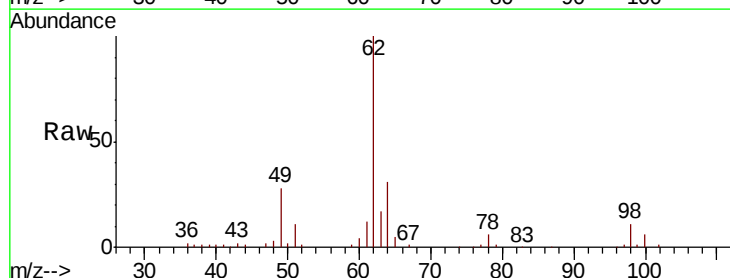
Manual Integrations
APPROVED

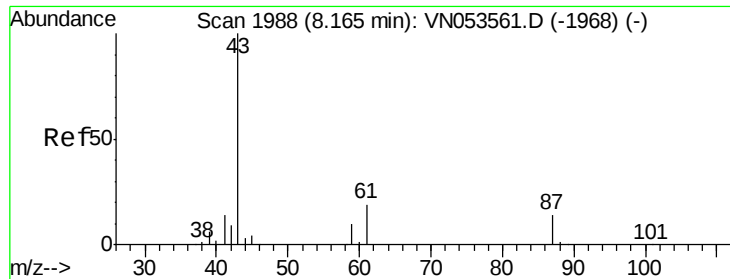
MMDadoda
2/15/2019 10:19:48 AM



#42
1,2-Dichloroethane
Concen: 19.649 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.6	





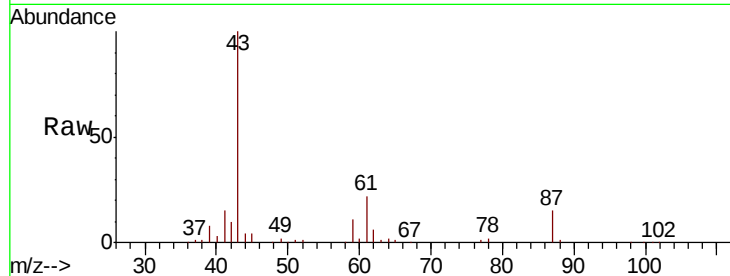
#43
Isopropyl Acetate
Concen: 18.736 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	23.9	35.9#
87	14.1	11.0	16.6

Manual Integrations
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MMDadoda
2/15/2019 10:19:48 AM

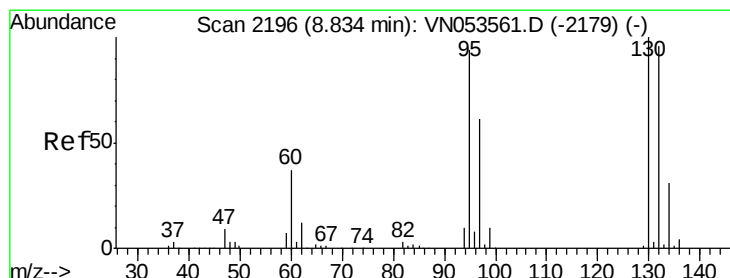
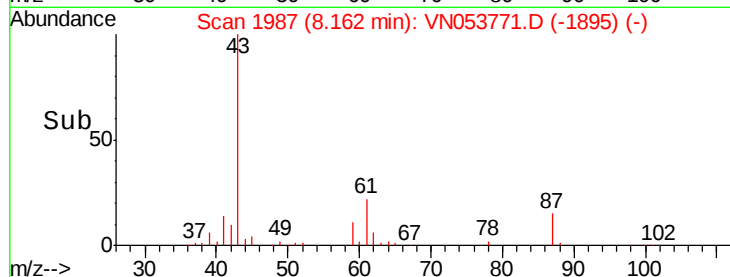
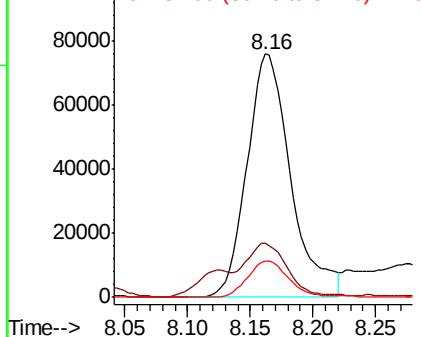


Abundance

Ion 43.00 (42.70 to 43.70): VN053771.D (-1987) (-)

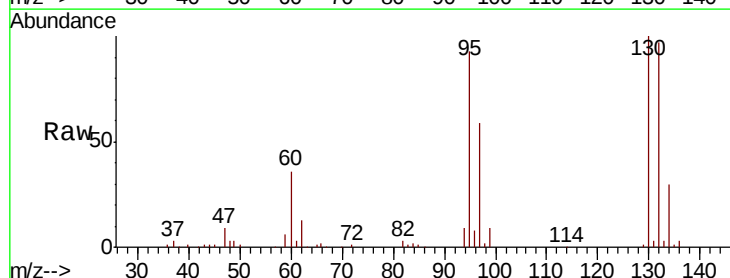
Ion 61.00 (60.70 to 61.70): VN053771.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN053771.D (-1987) (-)



#44
Trichloroethene
Concen: 18.875 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

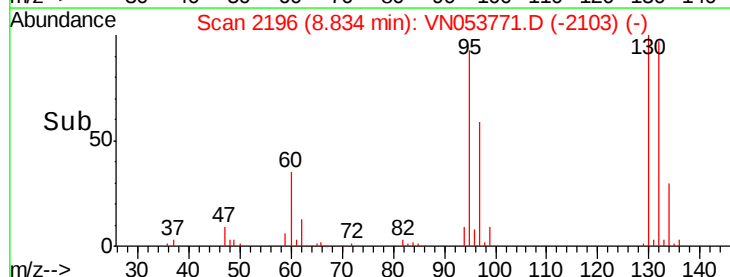
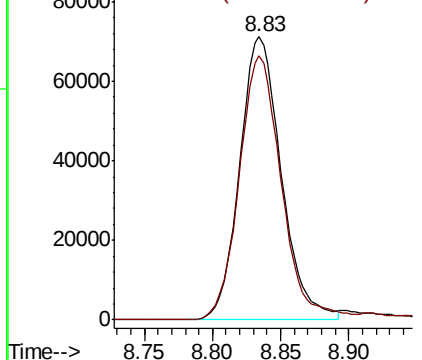
Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	191.4

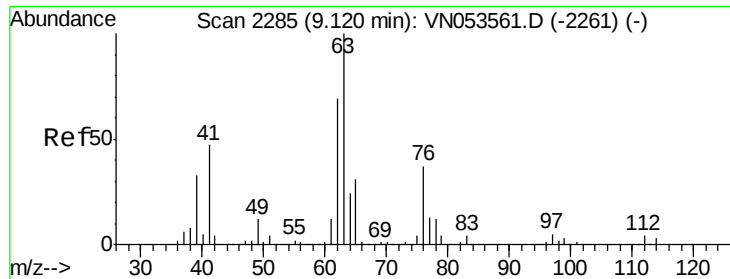


Abundance

Ion 129.80 (129.50 to 130.50): VN053771.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN053771.D (-2196) (-)





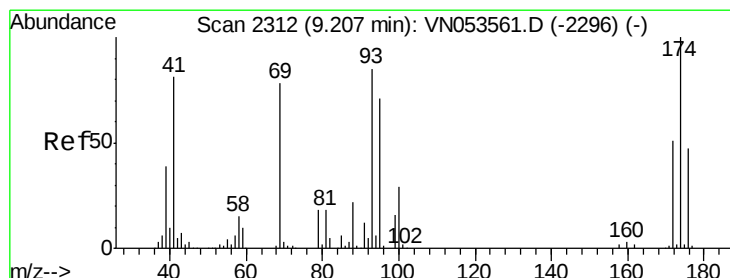
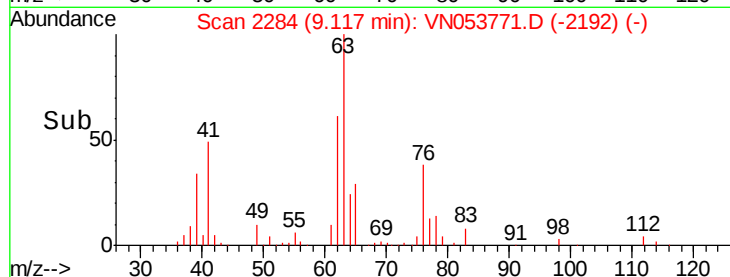
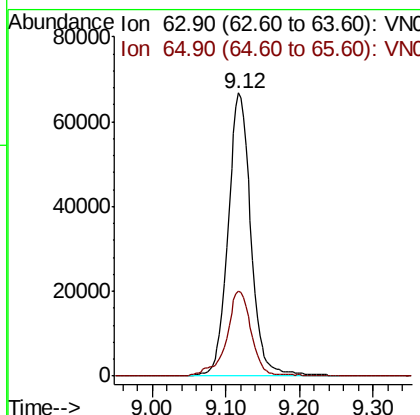
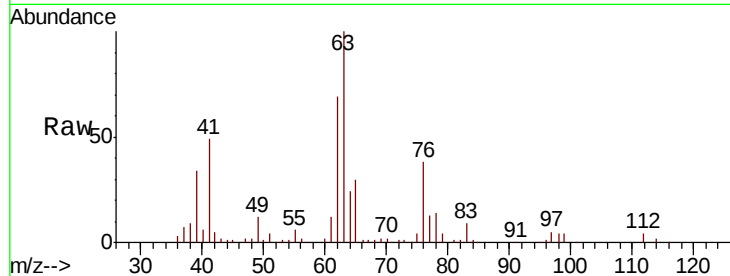
#45
 1,2-Dichloropropane
 Concen: 20.059 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion: 63 Resp: 143939
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

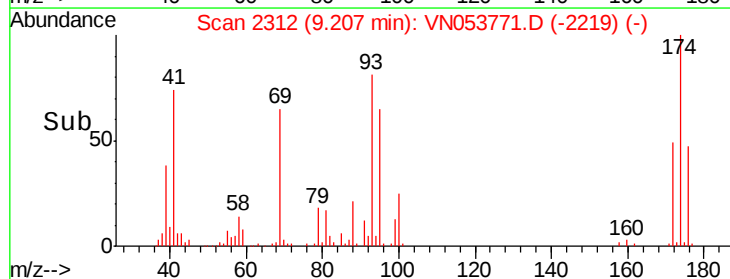
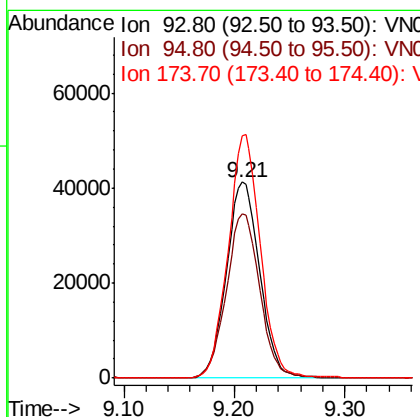
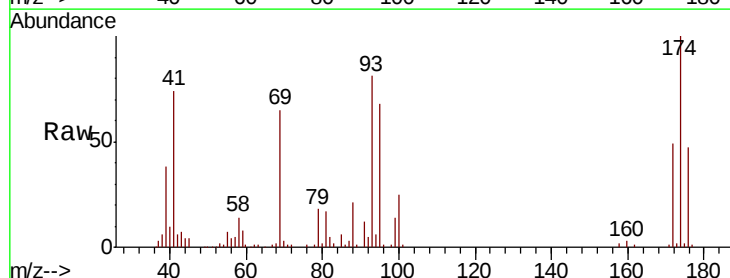
Manual Integrations
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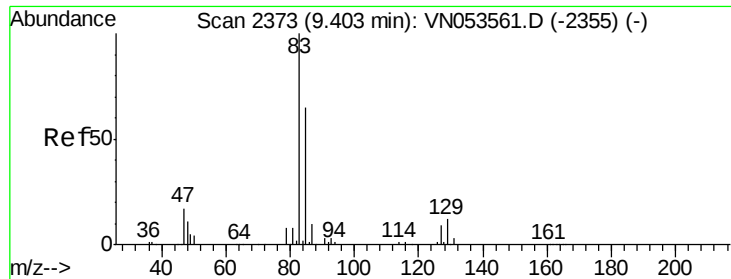
MMDadoda
 2/15/2019 10:19:48 AM



#46
 Dibromomethane
 Concen: 19.953 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion: 93 Resp: 86308
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 120.4 91.0 136.4





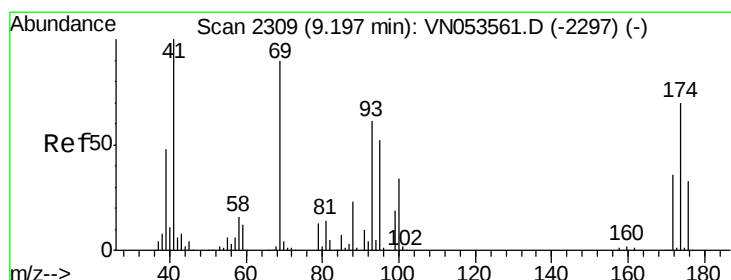
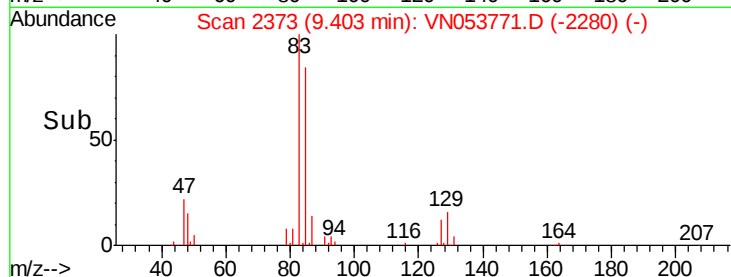
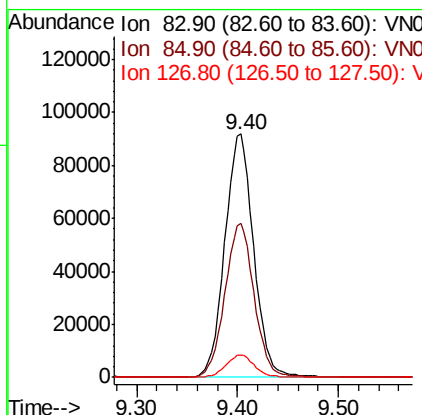
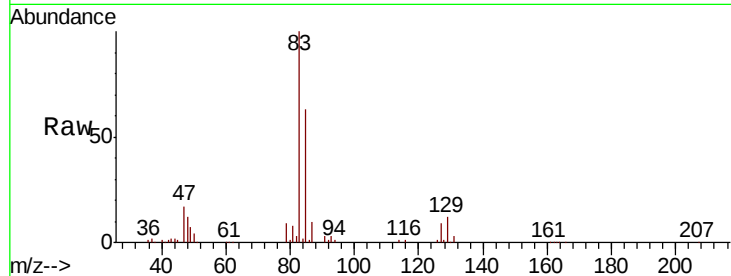
#47
Bromodichloromethane
Concen: 20.348 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	9.3	7.0	10.6

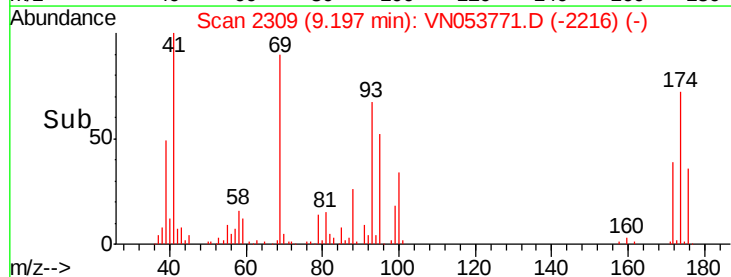
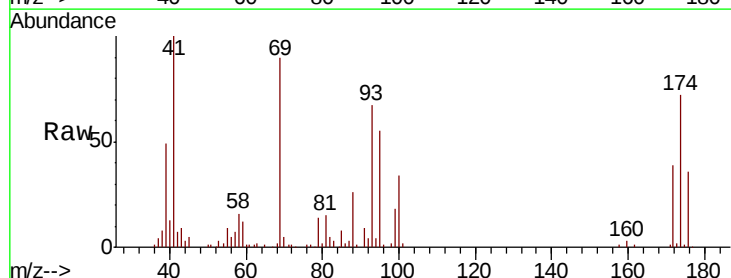
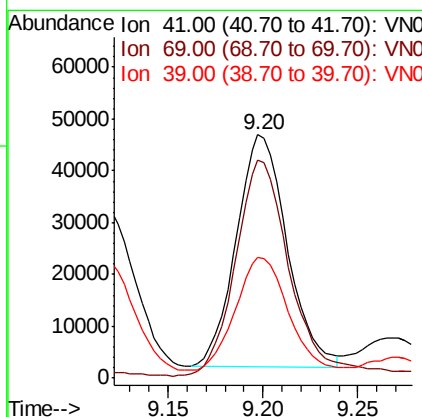
Manual Integrations
APPROVED

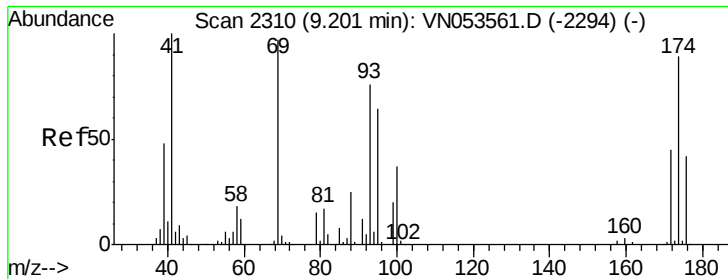
MMDadoda
2/15/2019 10:19:48 AM



#48
Methyl methacrylate
Concen: 17.849 ug/l m
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	103.0	73.8	110.6
39	57.4	40.0	60.0





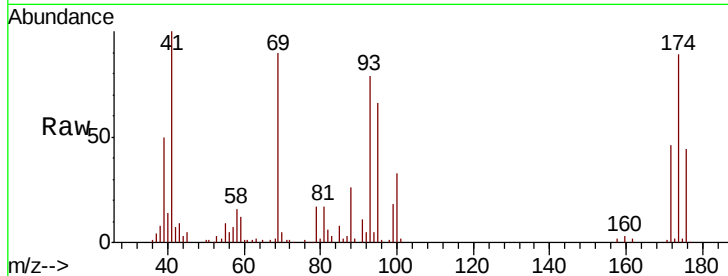
#49
1,4-Dioxane
Concen: 426.681 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	27.8	41.6
58	64.3	56.5	84.7

Manual Integrations
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MMDadoda
2/15/2019 10:19:48 AM

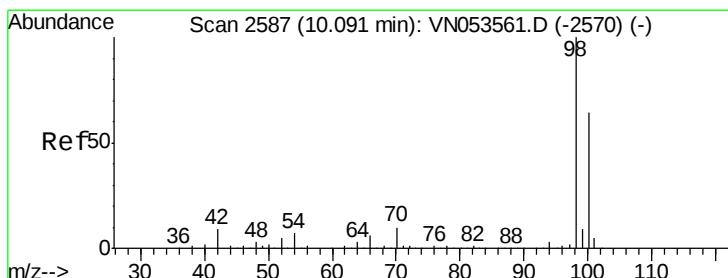
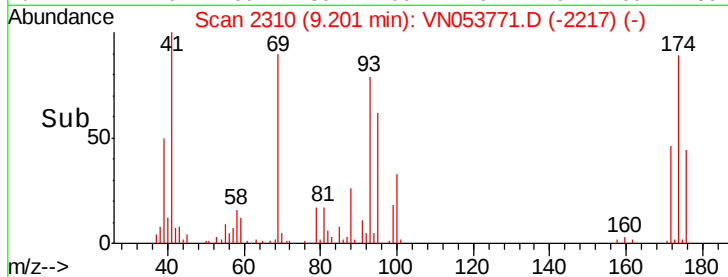
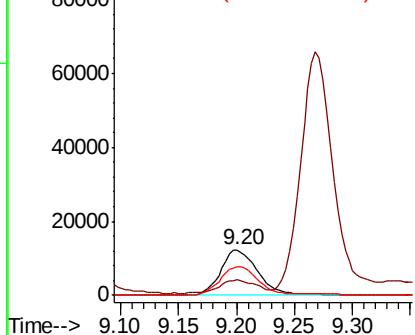


Abundance

Ion 88.00 (87.70 to 88.70): VN0

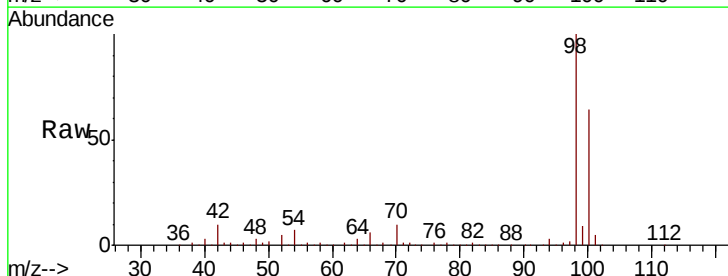
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.823 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

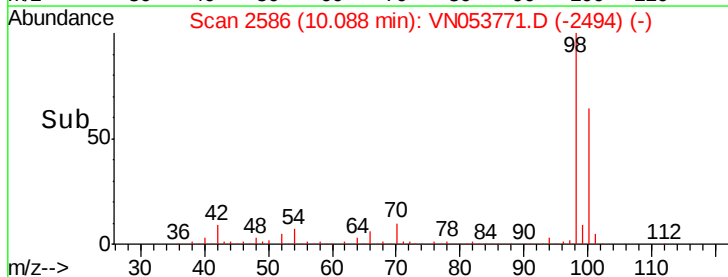
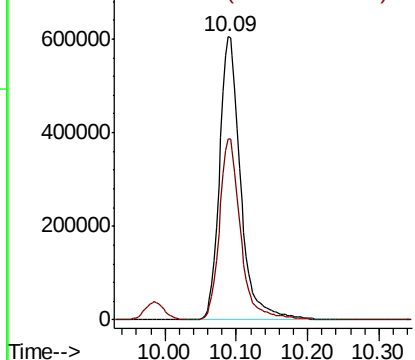
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0



Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





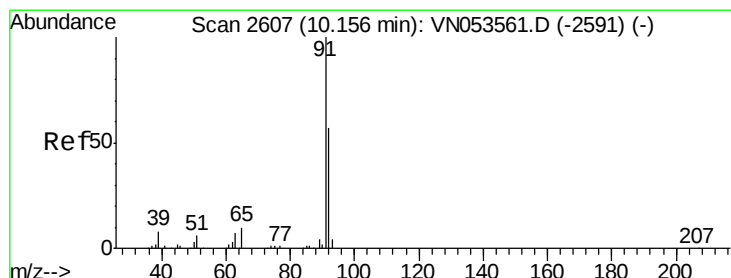
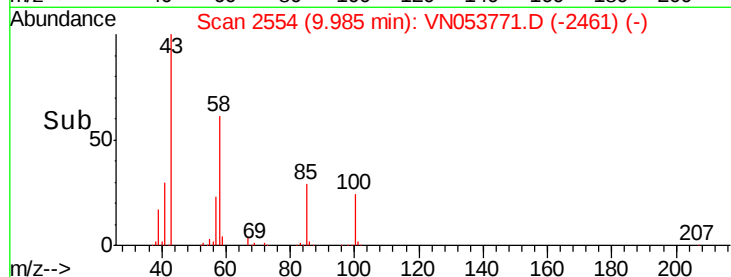
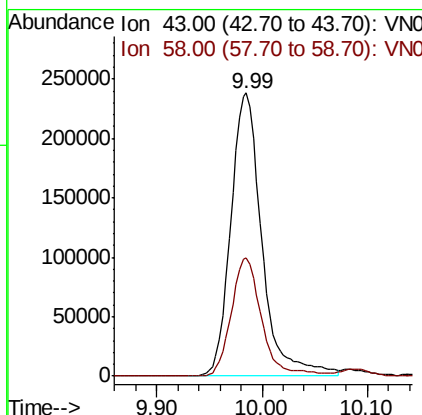
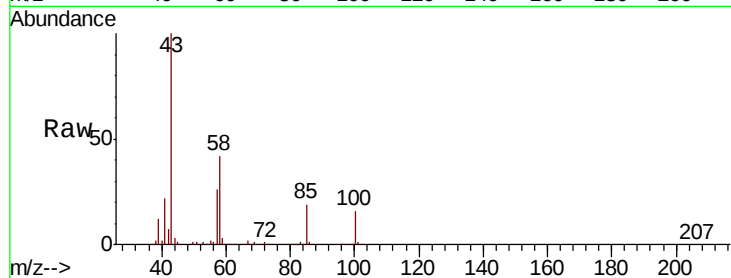
#51
4-Methyl-2-Pentanone
Concen: 100.507 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.8	49.2

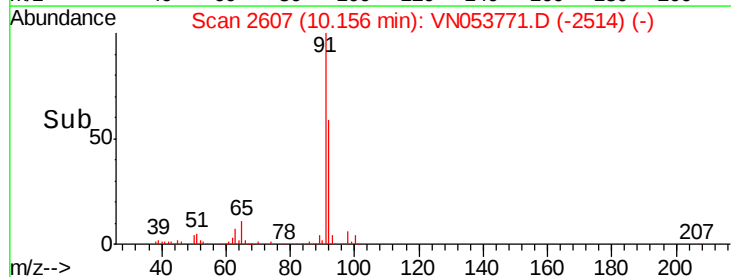
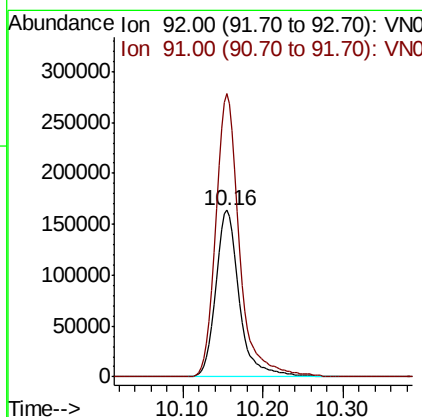
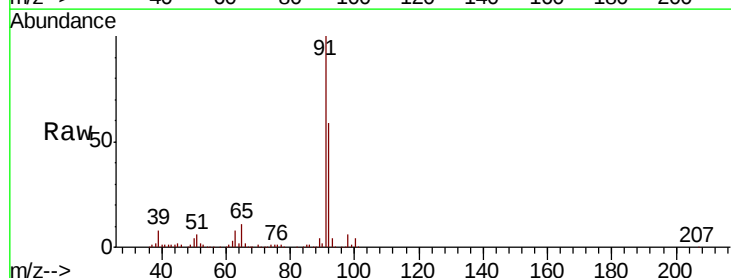
Manual Integrations
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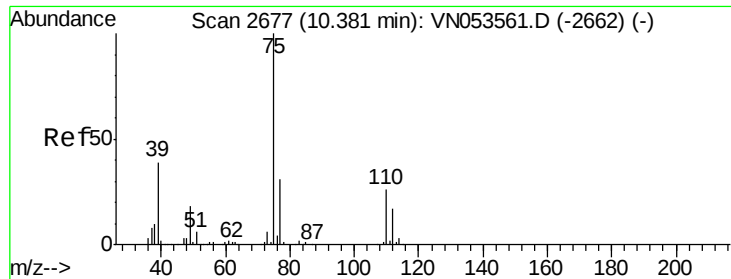
MMDadoda
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#52
Toluene
Concen: 20.159 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.8	139.9	209.9





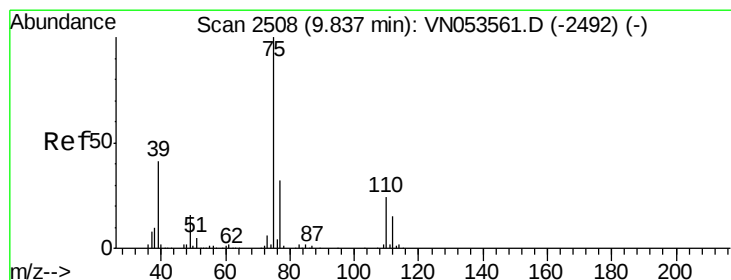
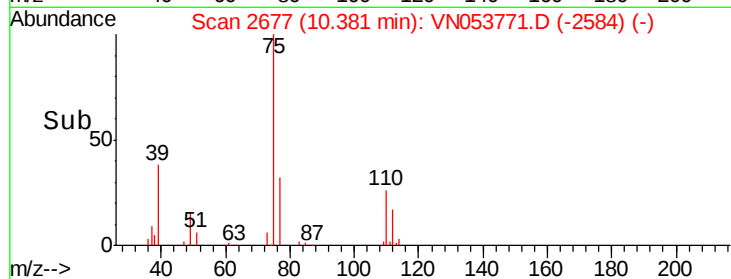
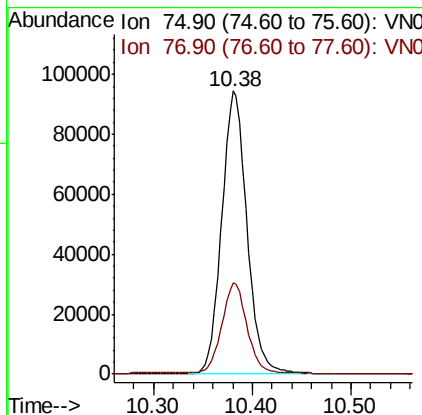
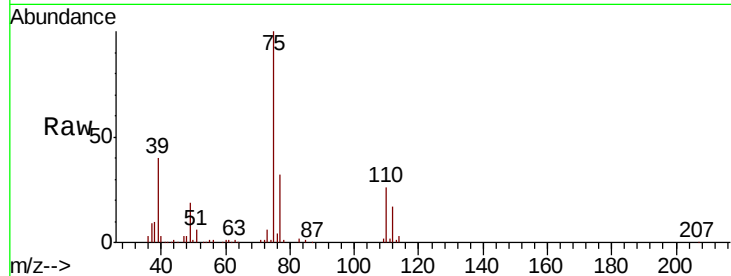
#53
t-1,3-Dichloropropene
Concen: 18.932 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.5	38.3

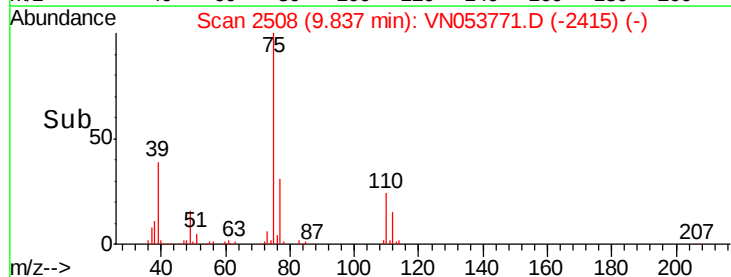
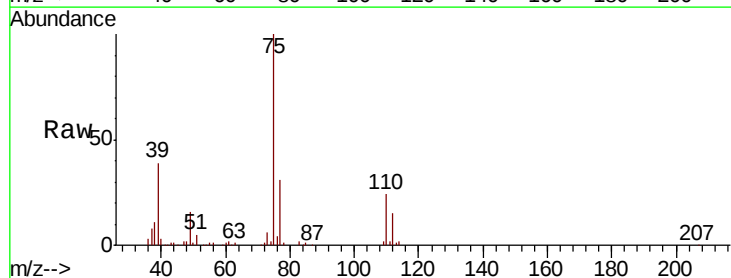
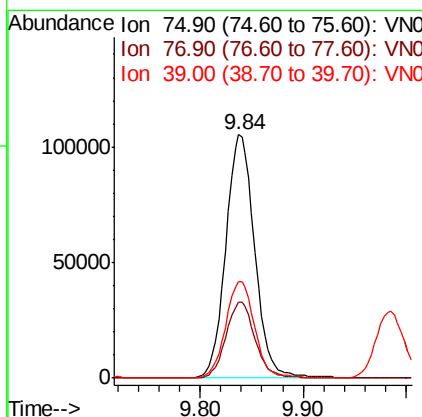
Manual Integrations
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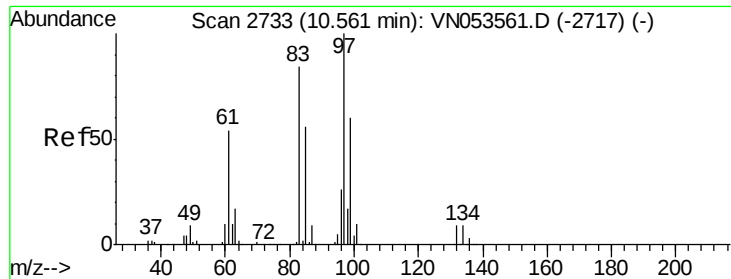
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	39.5	33.4	50.0





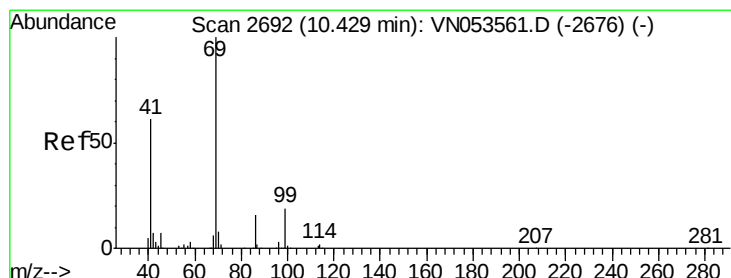
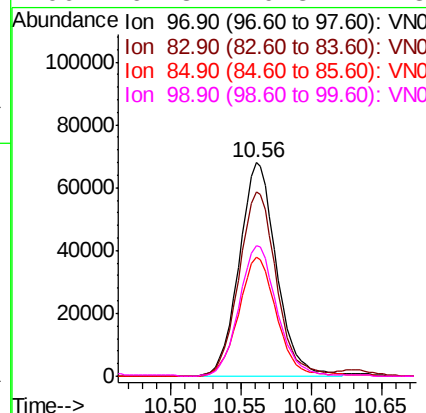
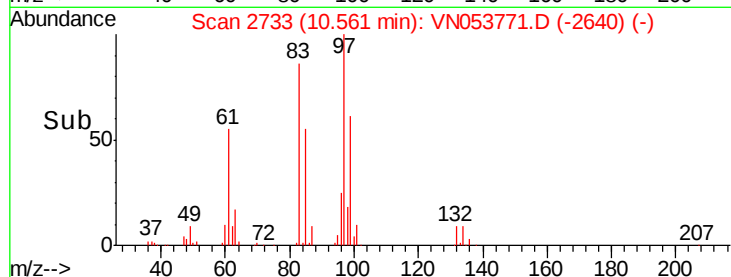
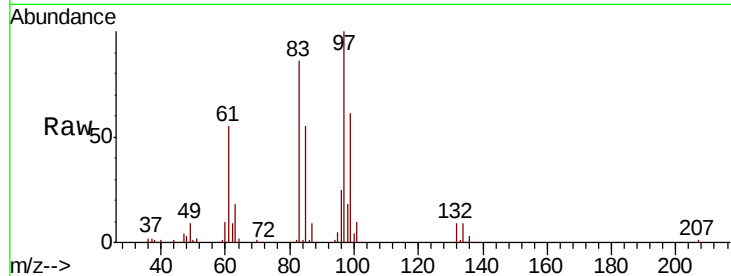
#55
 1,1,2-Trichloroethane
 Concen: 20.967 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.1	105.1
85	55.4	45.4	68.0
99	61.3	49.8	74.8

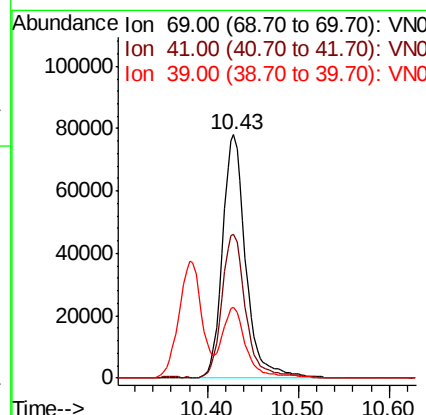
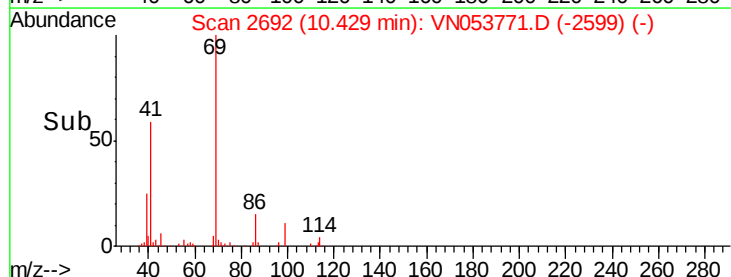
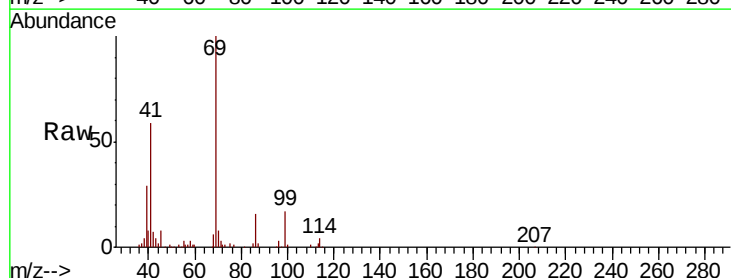
Manual Integrations
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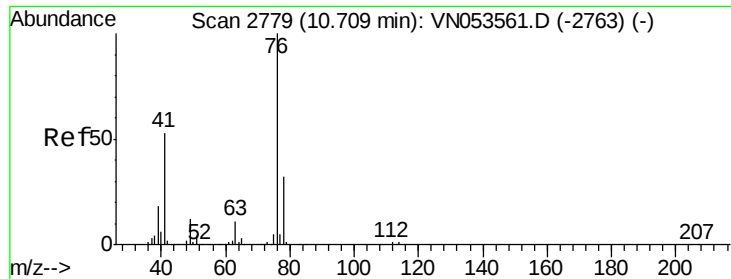
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 2/15/2019 10:19:48 AM



#56
 Ethyl methacrylate
 Concen: 19.588 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.7	49.4	74.0
39	29.5	23.3	34.9





#57

1,3-Dichloropropane

Concen: 20.290 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 76 Resp: 208059

Ion Ratio Lower Upper

76 100

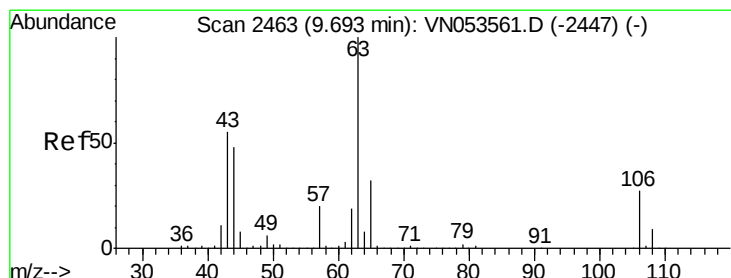
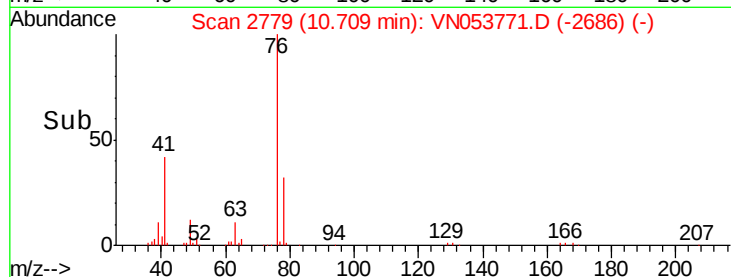
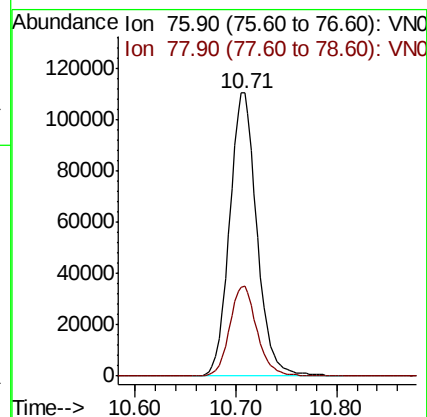
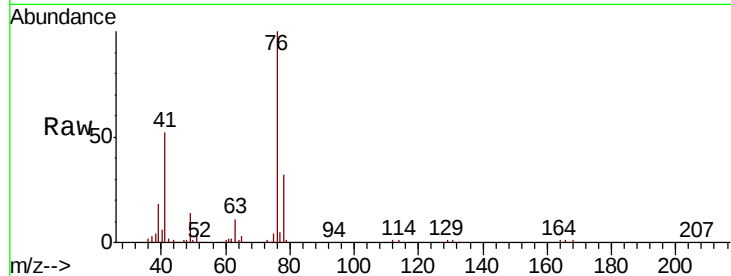
78 31.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 76.676 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053771.D

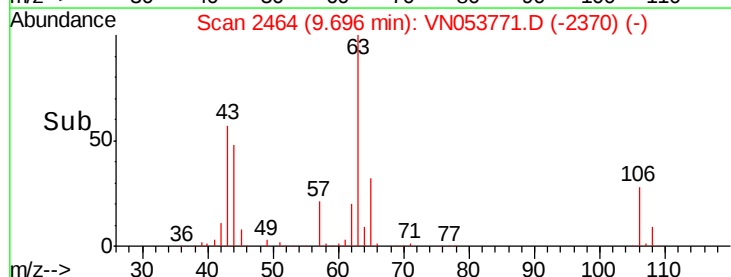
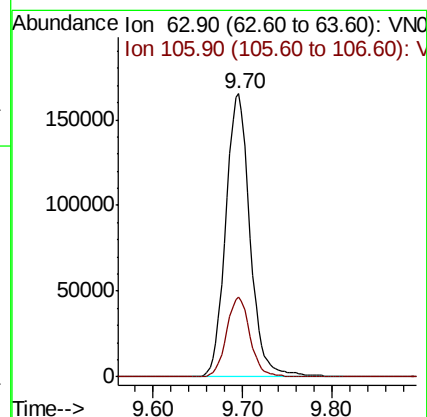
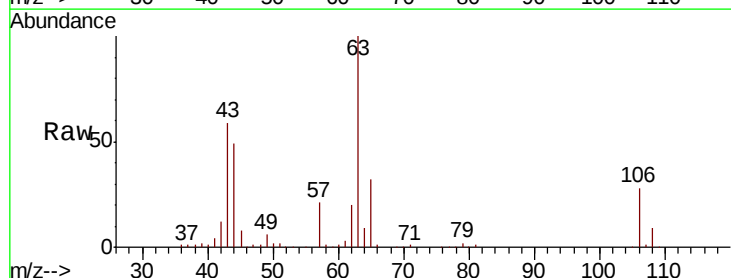
Acq: 14 Feb 2019 11:35

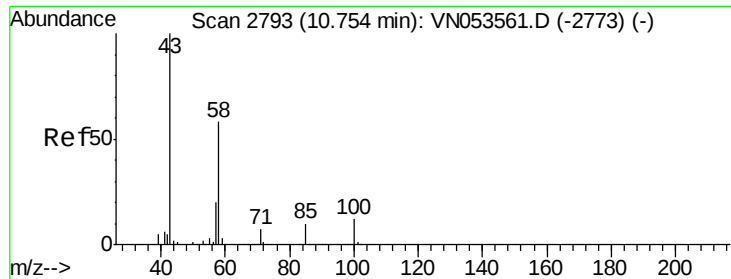
Tgt Ion: 63 Resp: 312267

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3





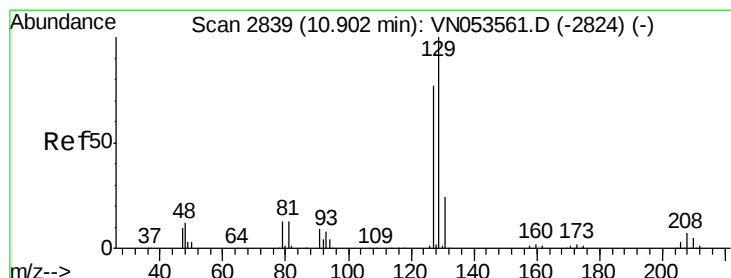
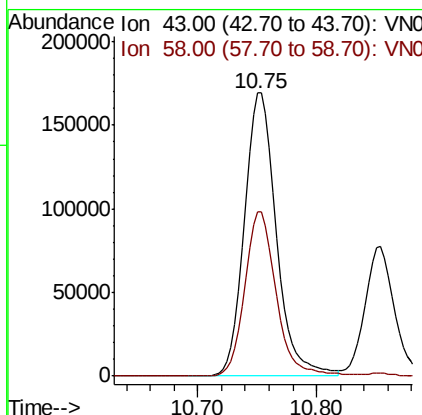
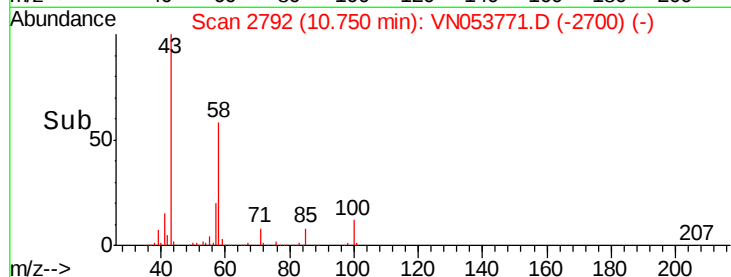
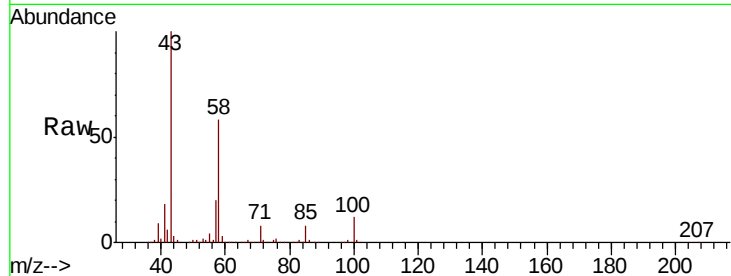
#59
2-Hexanone
Concen: 95.918 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	28.6	85.8

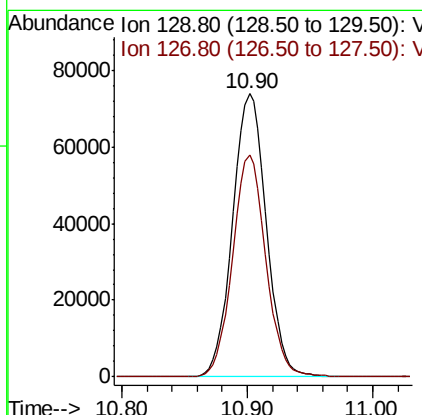
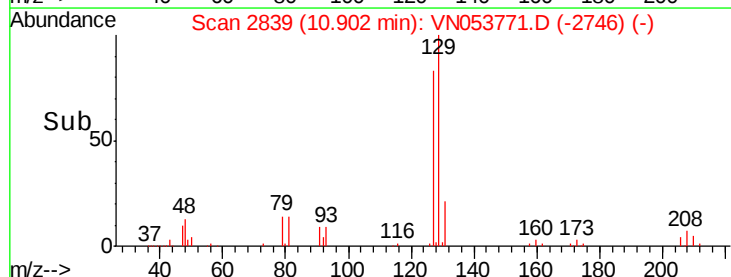
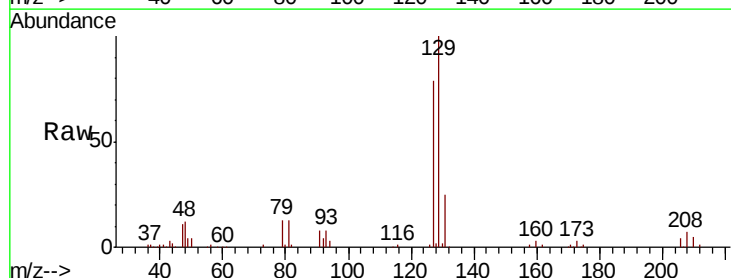
Manual Integrations
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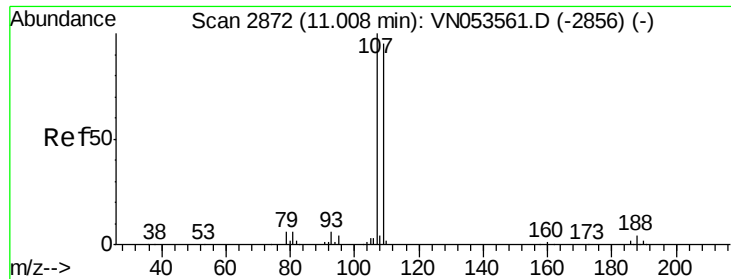
MMDadoda
2/15/2019 10:19:48 AM



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 19.757 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 107 Resp: 117328

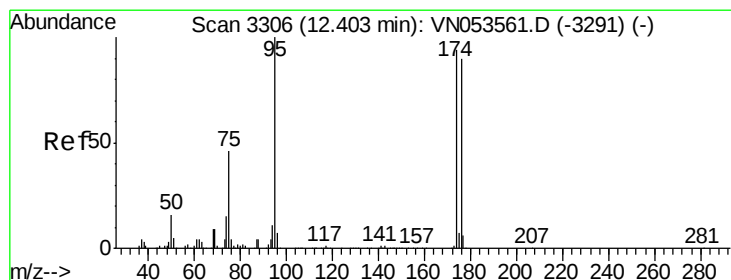
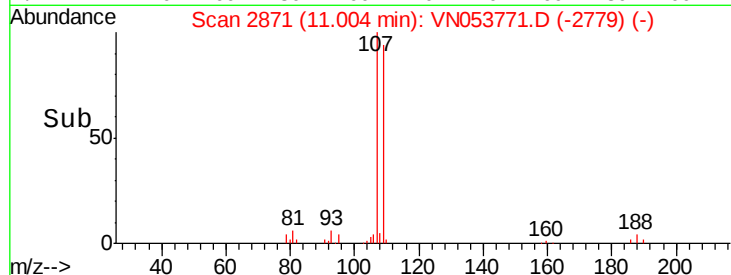
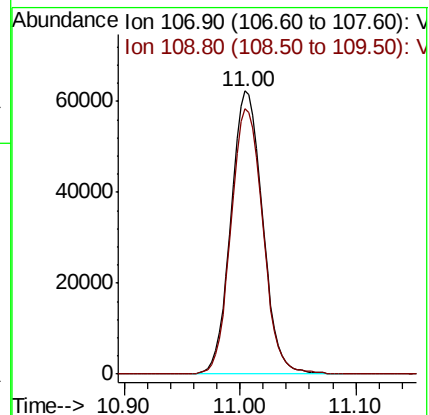
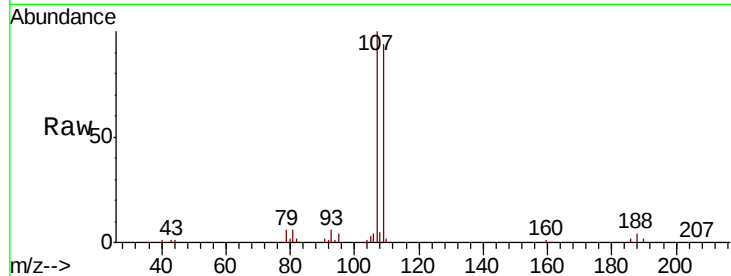
Ion Ratio Lower Upper

107 100

109 94.6 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 51.218 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

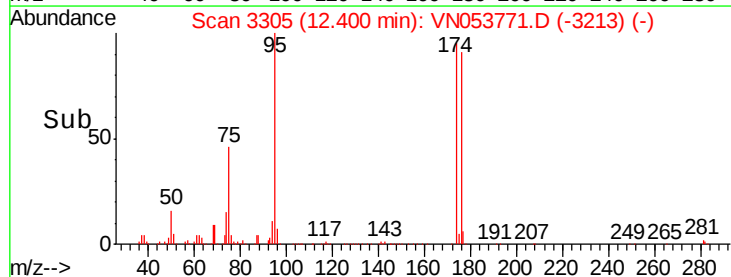
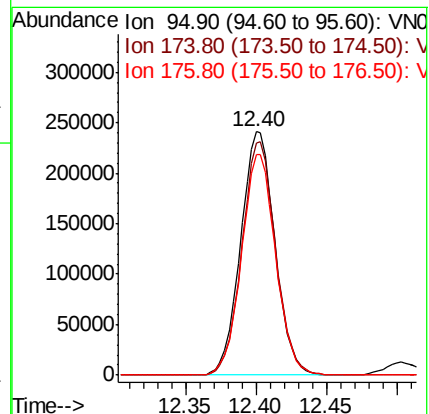
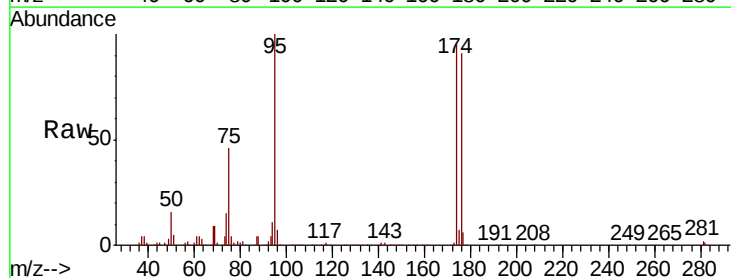
Tgt Ion: 95 Resp: 409029

Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.2

176 90.7 0.0 177.4





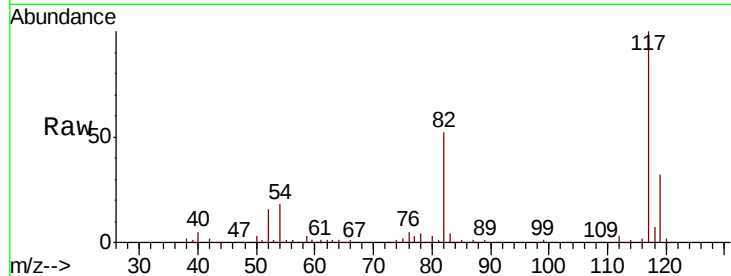
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.9	64.3
119	31.7	26.0	39.0

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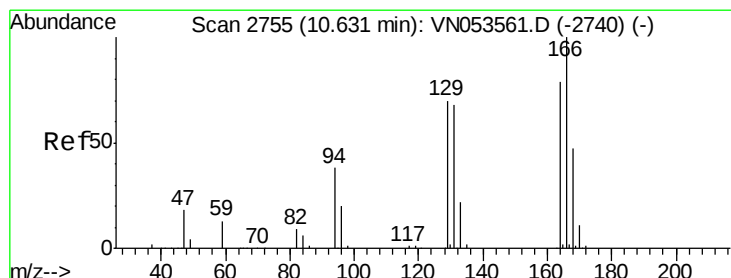
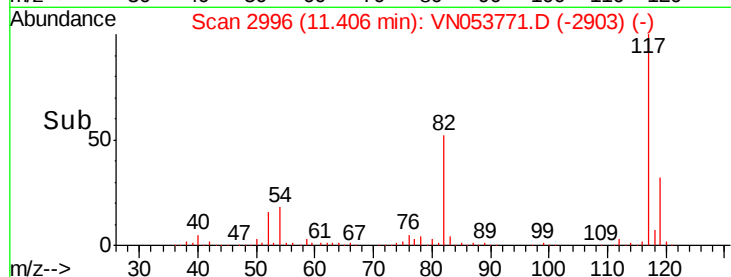
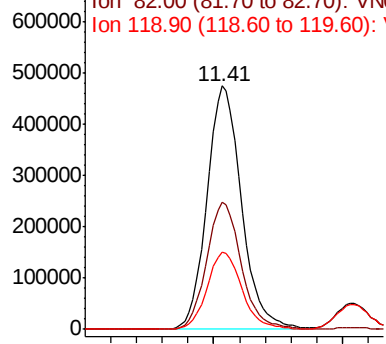


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.2	153.4
129	87.0	72.6	109.0
131	84.5	69.5	104.3

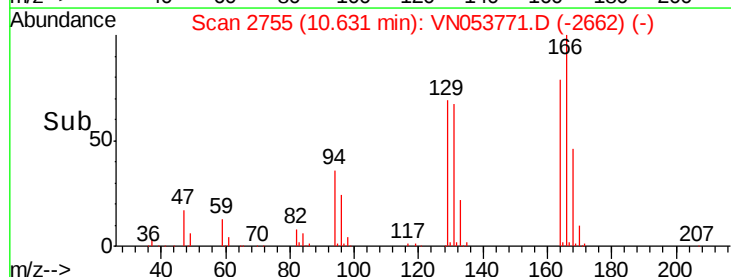
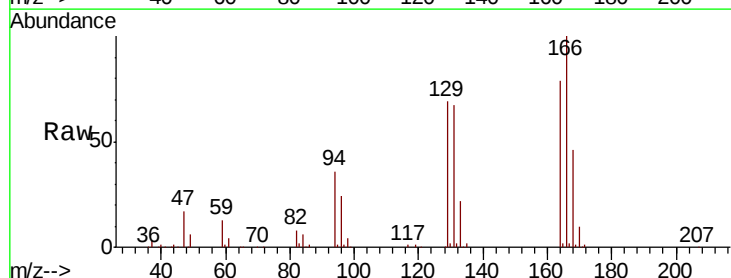
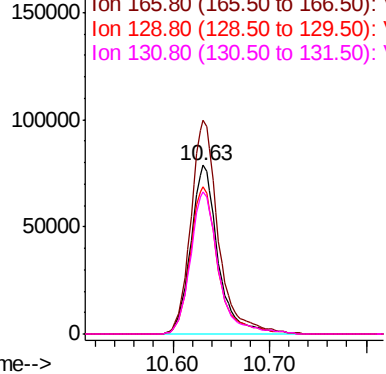
Abundance

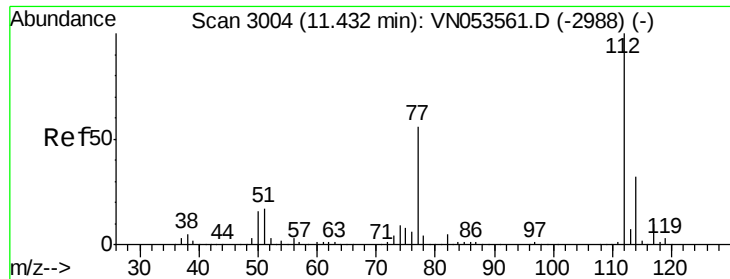
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.606 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion:112 Resp: 368293

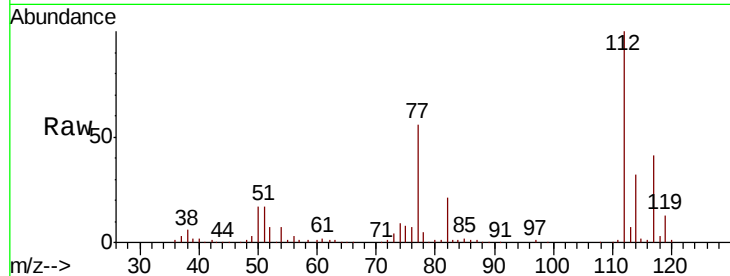
Ion Ratio Lower Upper

112 100

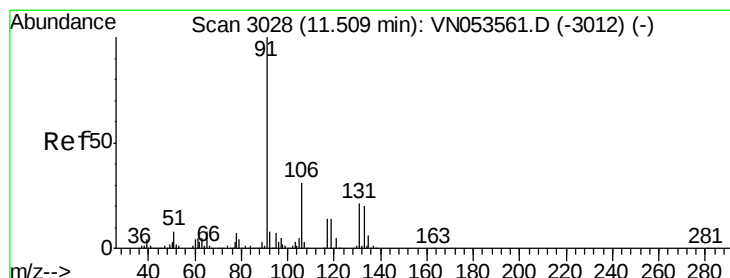
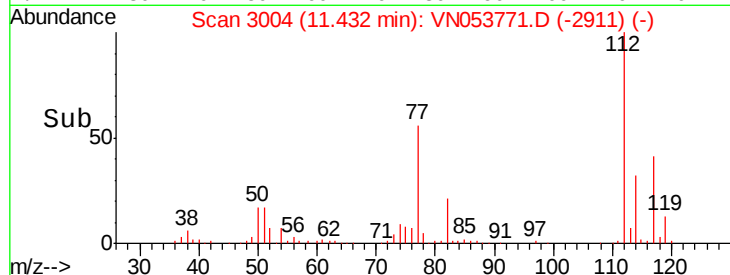
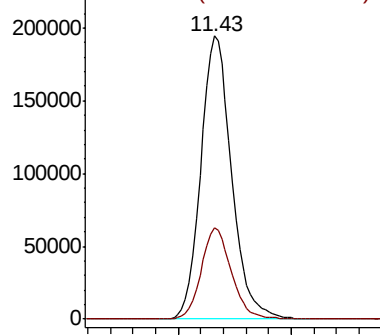
114 32.1 25.3 37.9

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Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.562 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

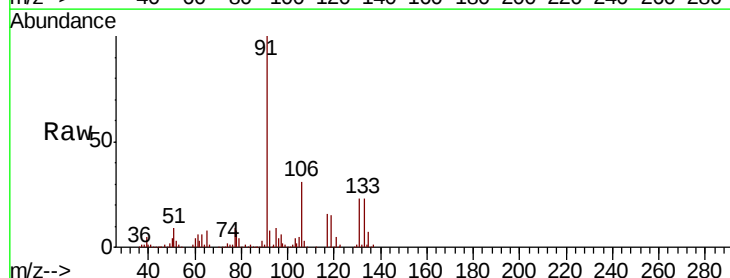
Tgt Ion:131 Resp: 134894

Ion Ratio Lower Upper

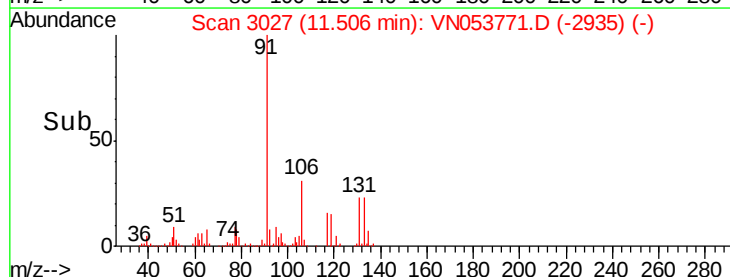
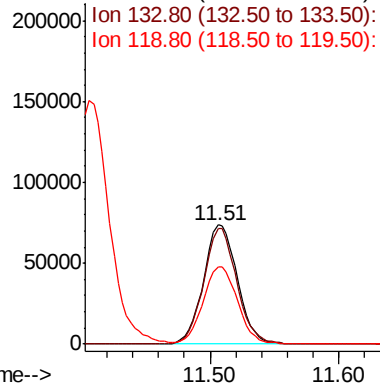
131 100

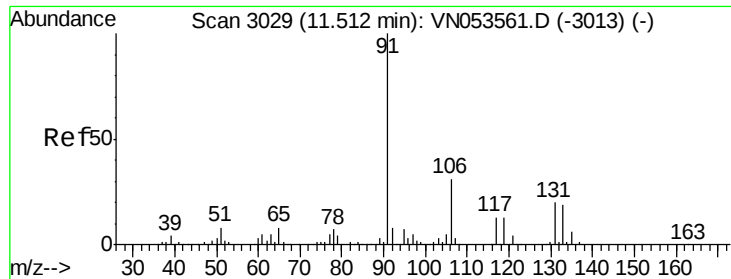
133 94.7 48.0 144.0

119 66.1 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V





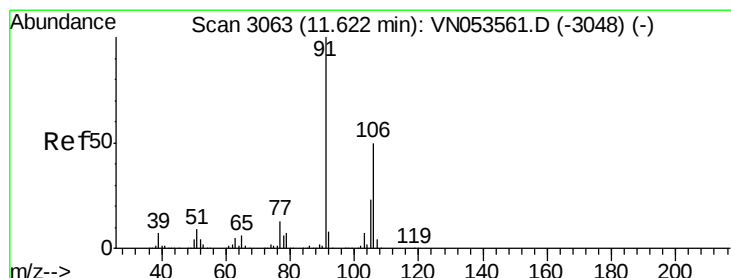
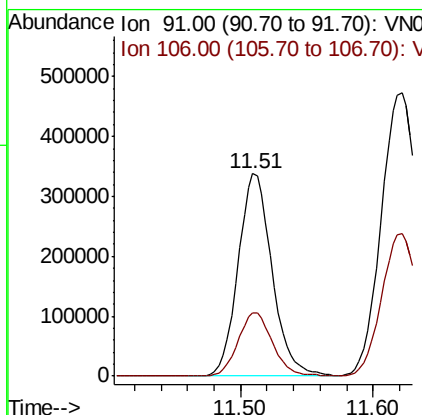
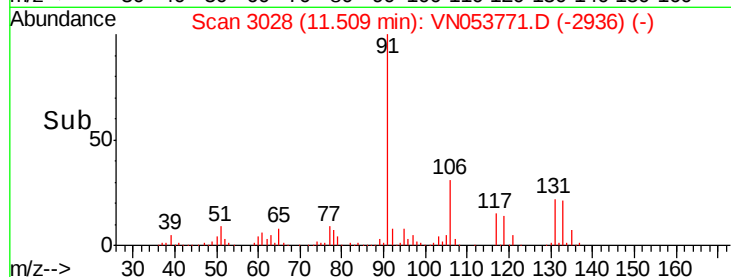
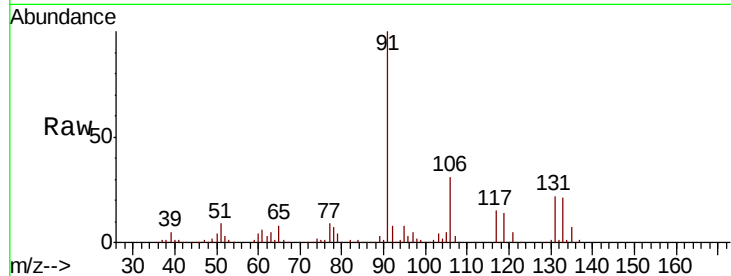
#67
Ethyl Benzene
Concen: 19.558 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VN0214WBS01

Tot Ion: 91 Resp: 603502
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

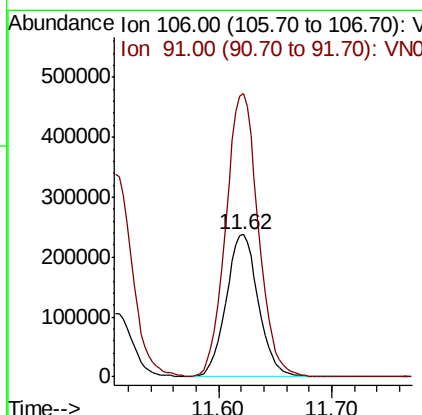
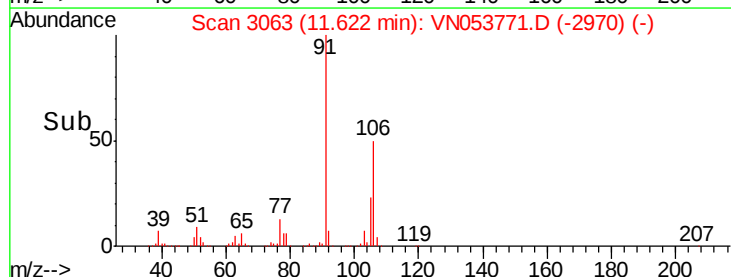
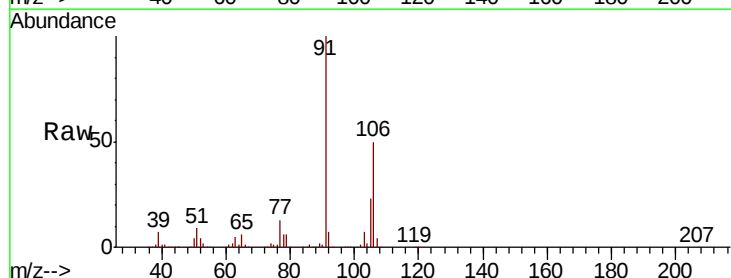
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.071 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion: 106 Resp: 471909
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





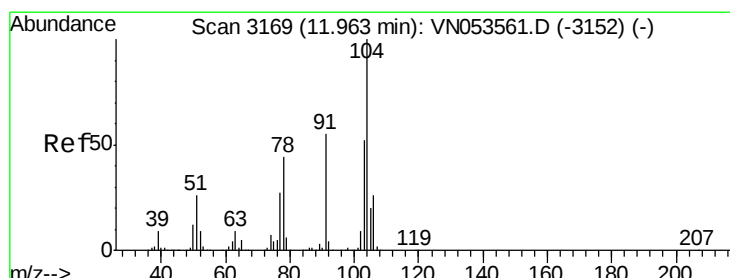
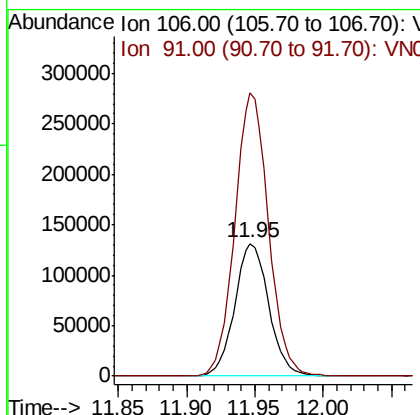
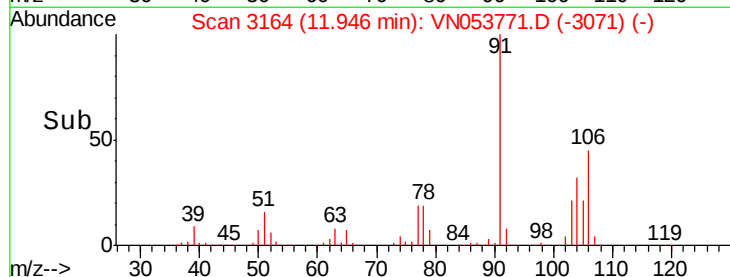
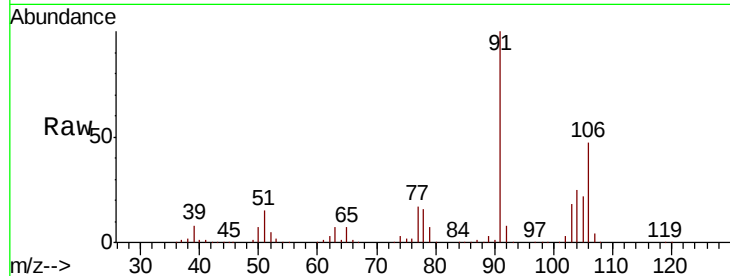
#69
o-Xylene
Concen: 19.980 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion:106 Resp: 227330
Ion Ratio Lower Upper
106 100
91 211.1 106.9 320.8

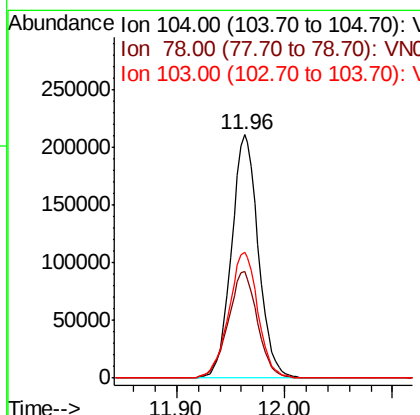
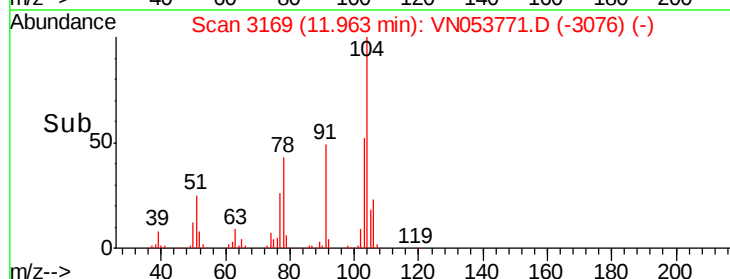
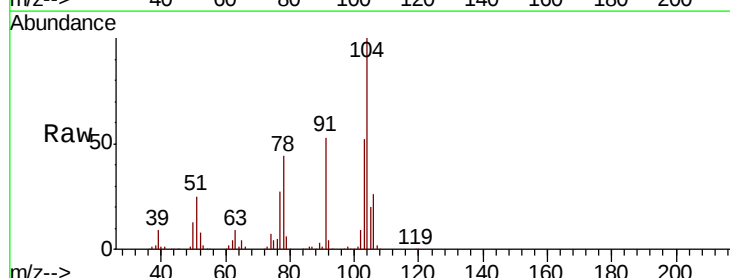
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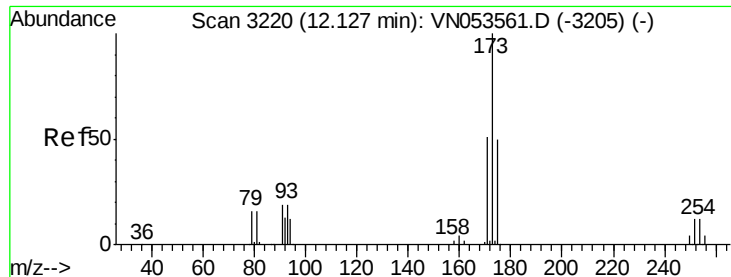
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#70
Styrene
Concen: 19.905 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion:104 Resp: 367079
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 56.3 44.4 66.6





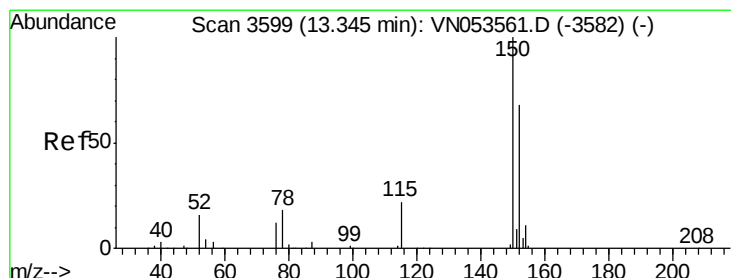
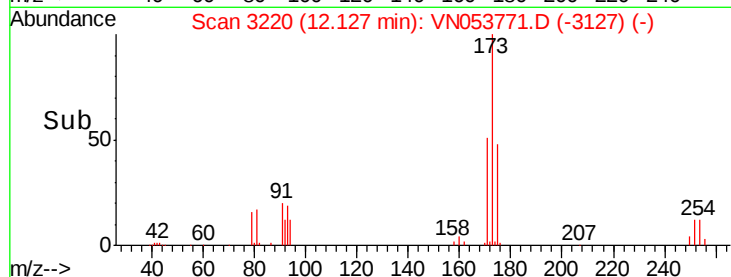
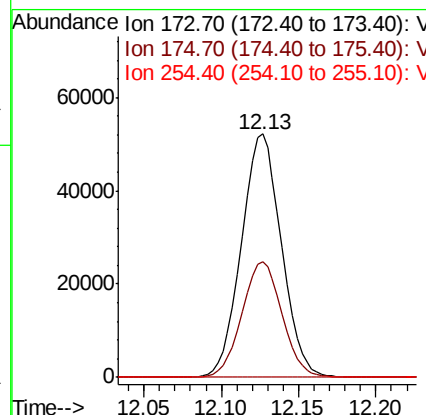
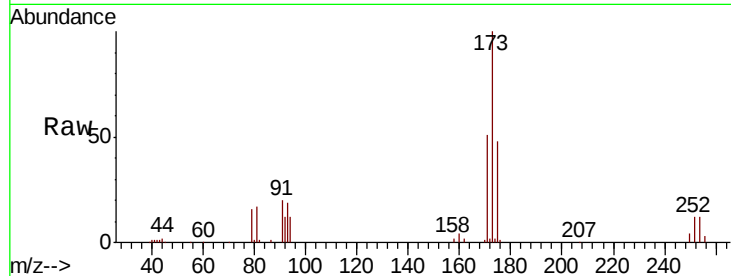
#71
Bromoform
Concen: 20.843 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.6	74.0
254	0.0	0.2	0.2

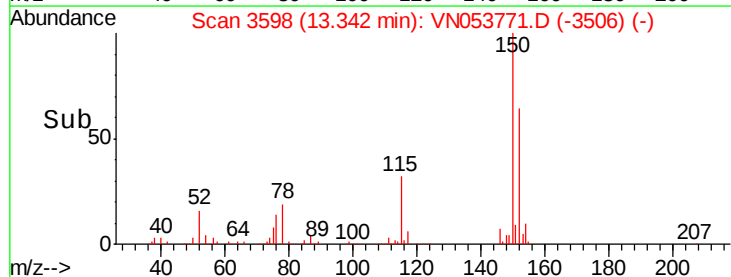
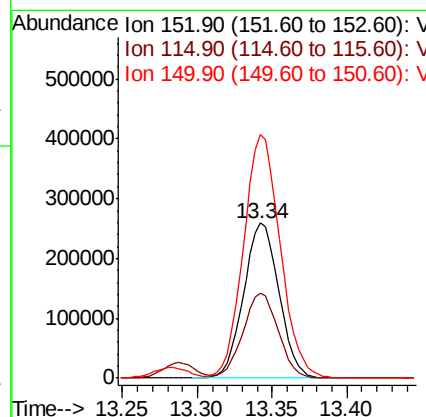
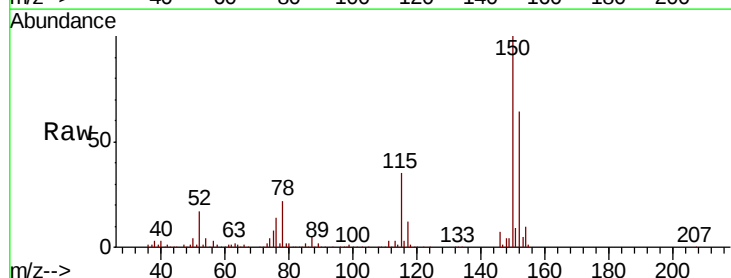
Manual Integrations
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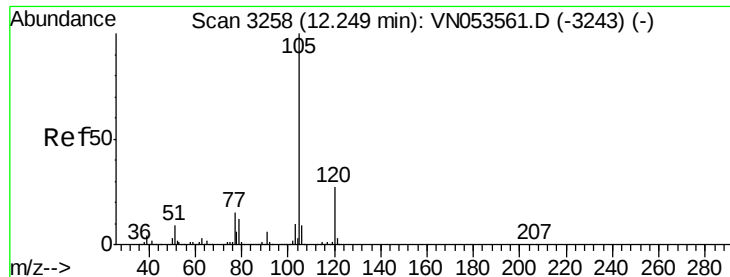
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	162.9	0.0	349.0





#73

Isopropylbenzene

Concen: 20.159 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 105 Resp: 603676

Ion Ratio Lower Upper

105 100

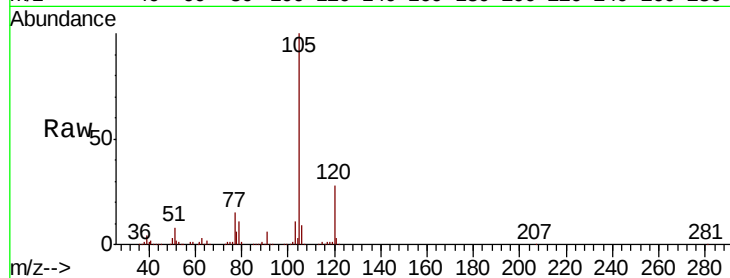
120 27.1 13.6 40.7

Manual Integrations

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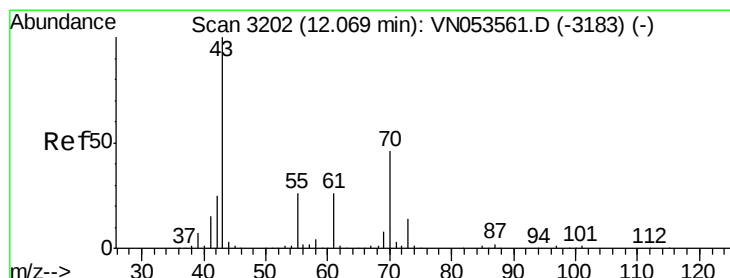
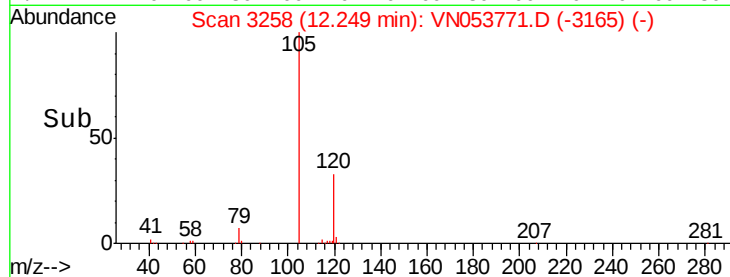
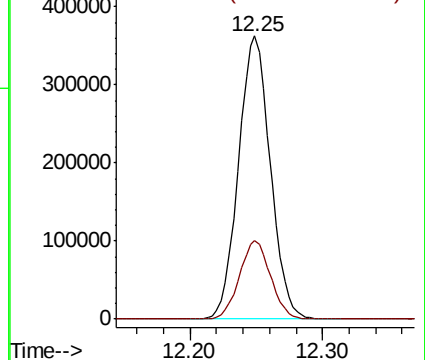
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.726 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion: 43 Resp: 134842

Ion Ratio Lower Upper

43 100

70 45.7 35.4 53.2

55 28.2 20.9 31.3

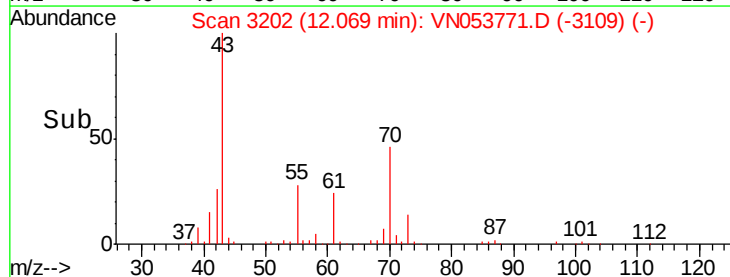
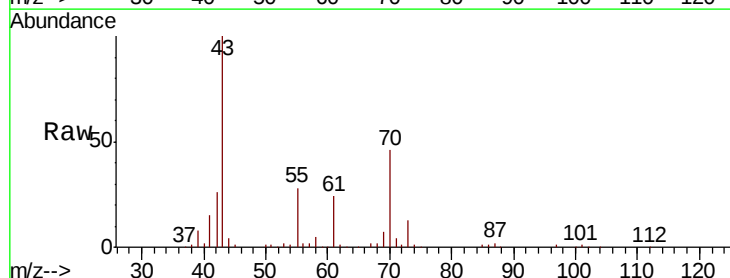
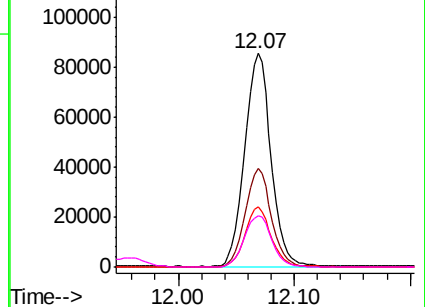
61 25.1 20.5 30.7

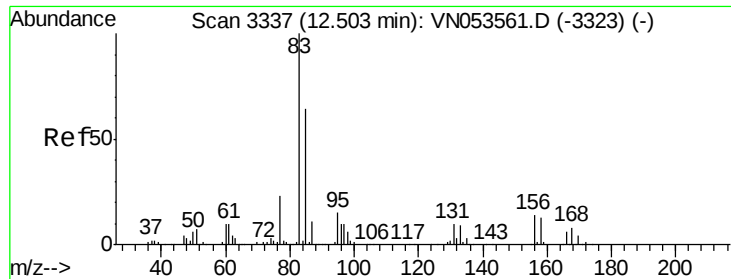
Abundance Ion 43.00 (42.70 to 43.70): VN0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.774 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

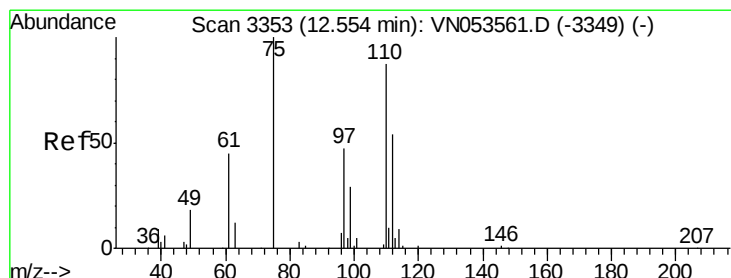
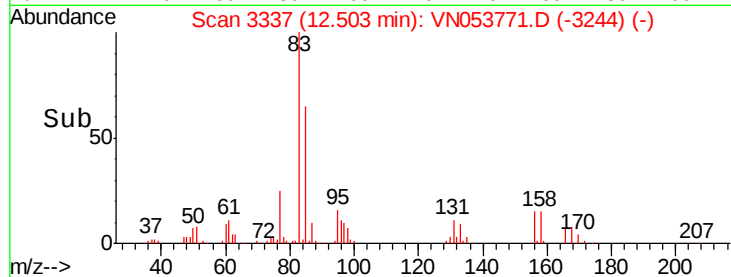
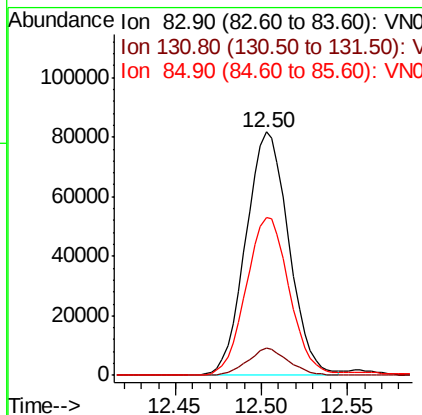
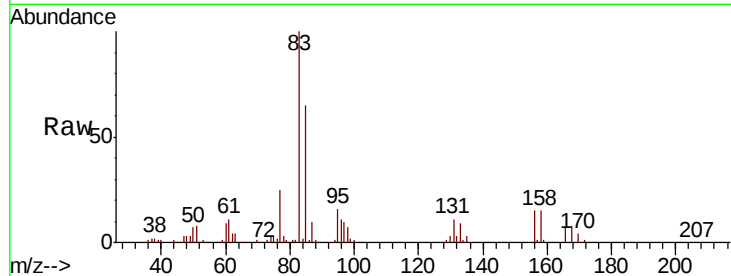
ClientSampleId :

VN0214WBS01

Tot Ion:	83	Resp:	141715
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	65.3	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.892 ug/l m

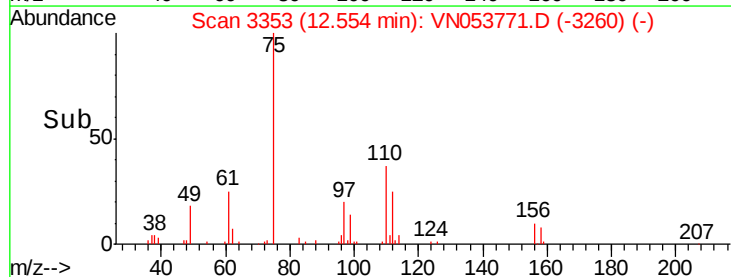
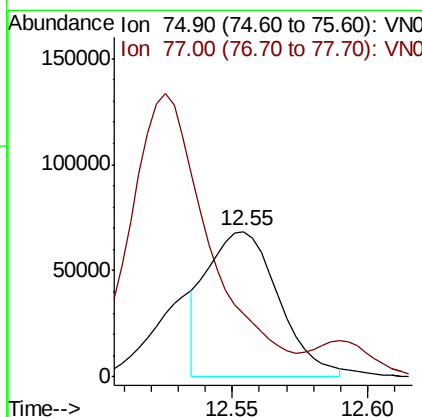
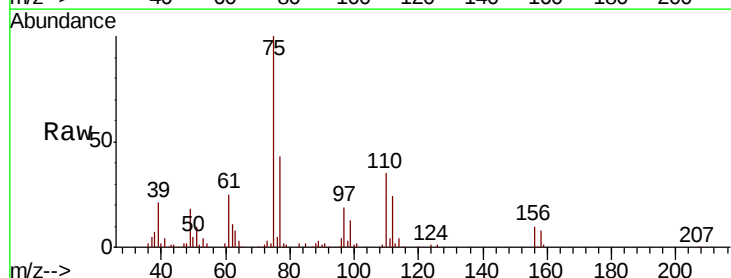
RT: 12.55 min Scan# 3353

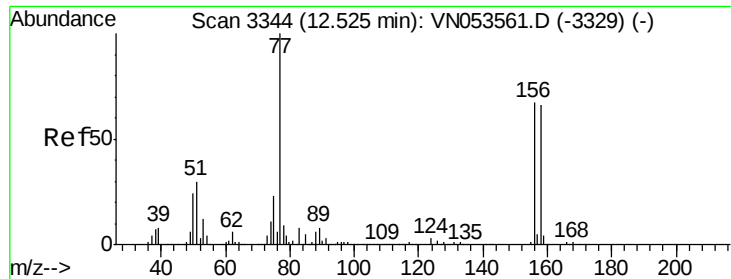
Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	75	Resp:	125247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





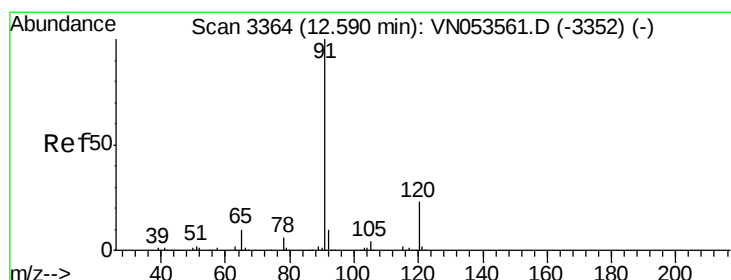
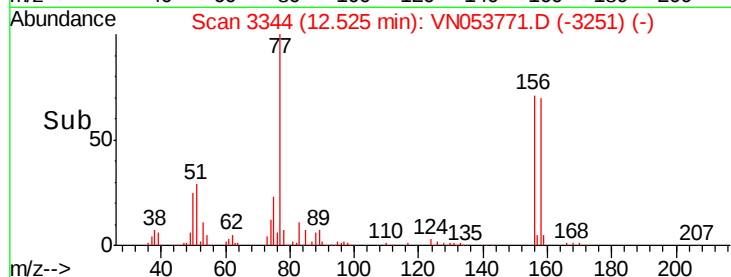
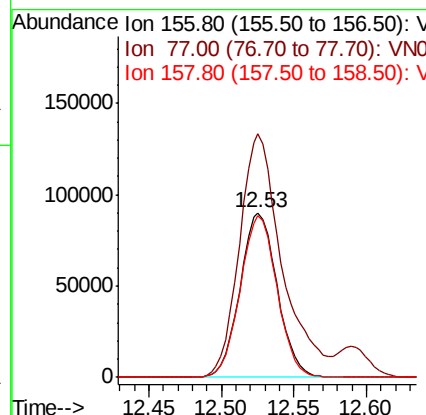
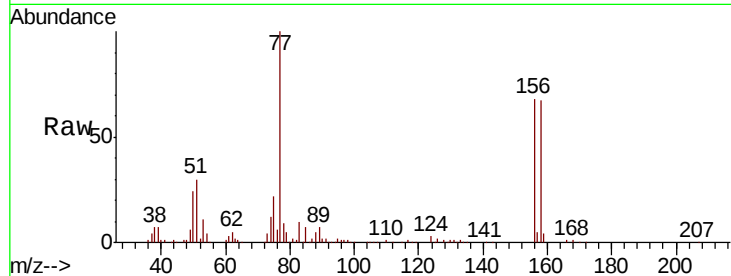
#77
Bromobenzene
Concen: 19.901 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.4	87.9	263.8
158	96.9	48.8	146.4

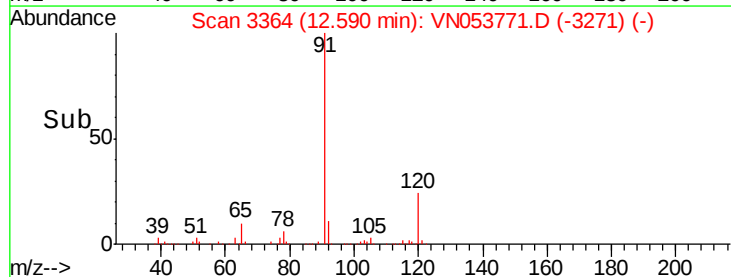
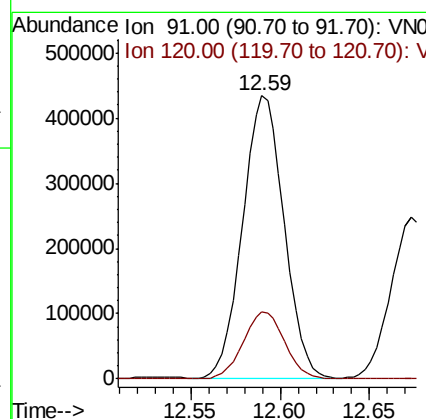
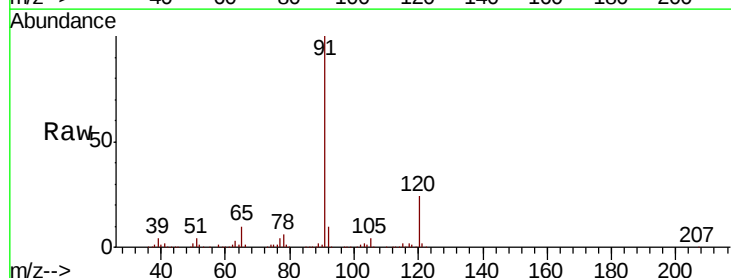
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#78
n-propylbenzene
Concen: 20.283 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.144 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion: 91 Resp: 413712

Ion Ratio Lower Upper

91 100

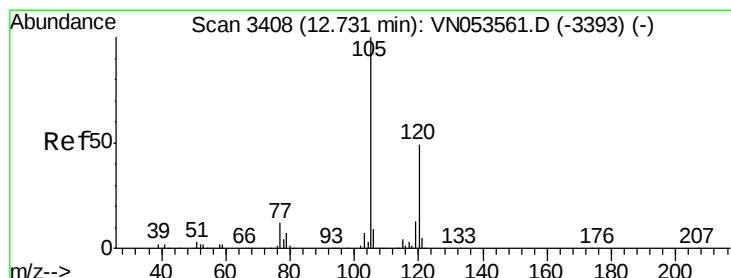
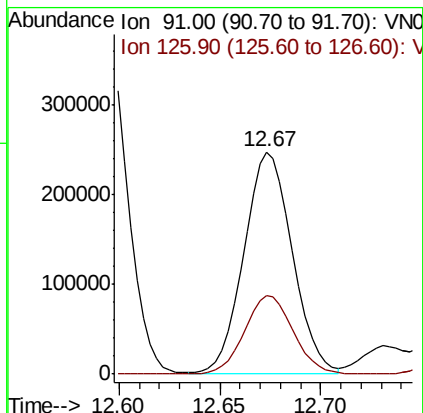
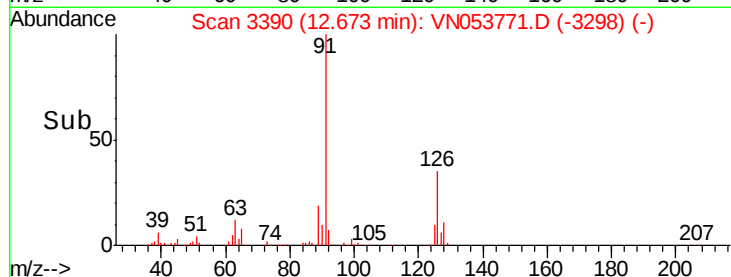
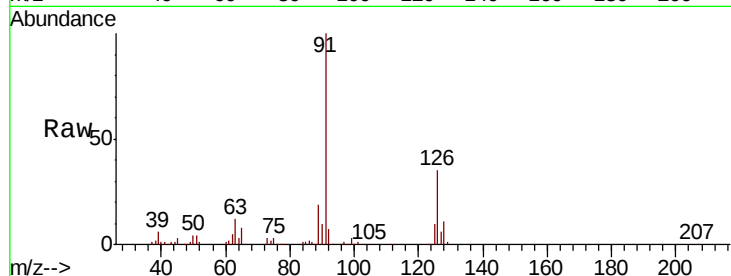
126 35.7 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.867 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053771.D

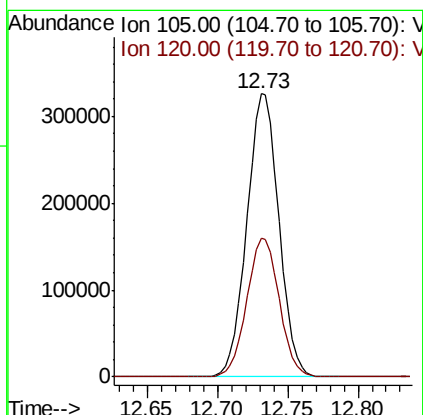
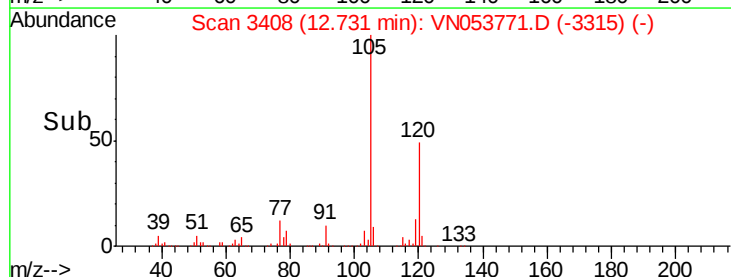
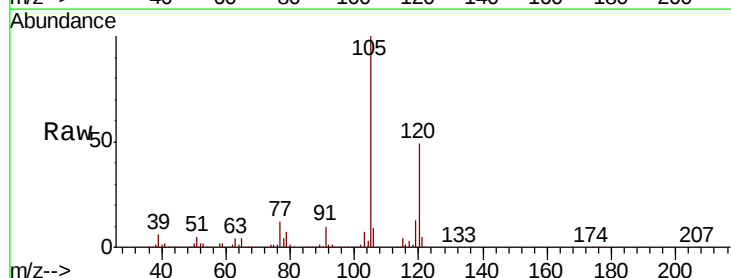
Acq: 14 Feb 2019 11:35

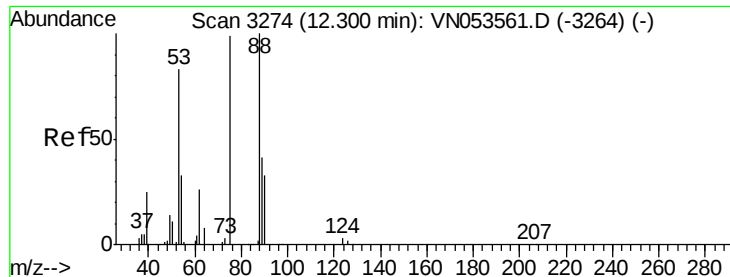
Tgt Ion: 105 Resp: 518165

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.036 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

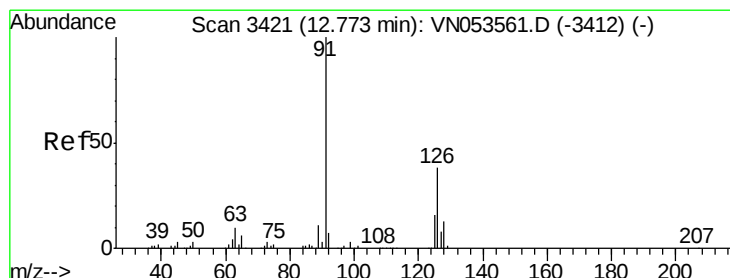
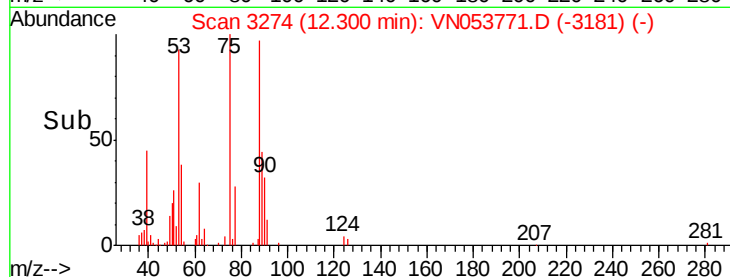
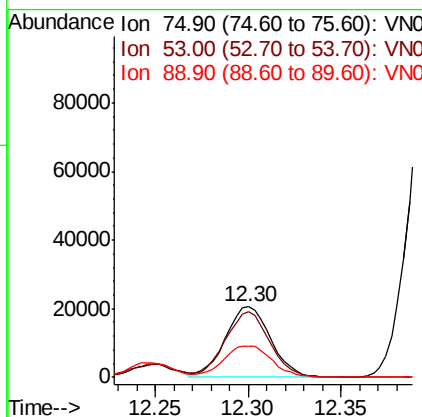
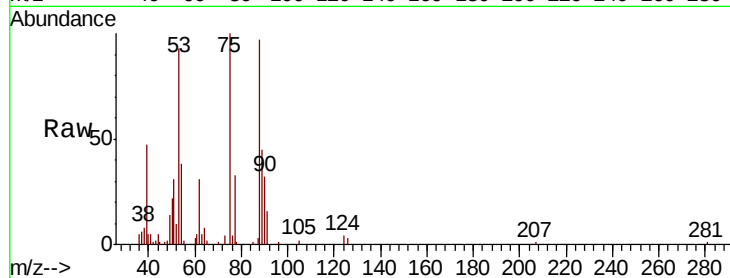
ClientSampleId :

VN0214WBS01

Tot Ion:	75	Resp:	35093
Ion	Ratio	Lower	Upper
75	100		
53	91.1	69.8	104.6
89	47.4	35.6	53.4

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#82

4-Chlorotoluene

Concen: 19.735 ug/l

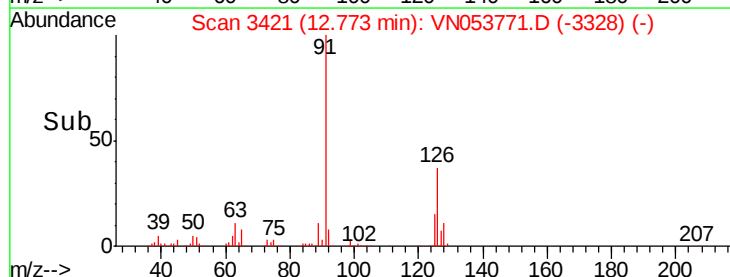
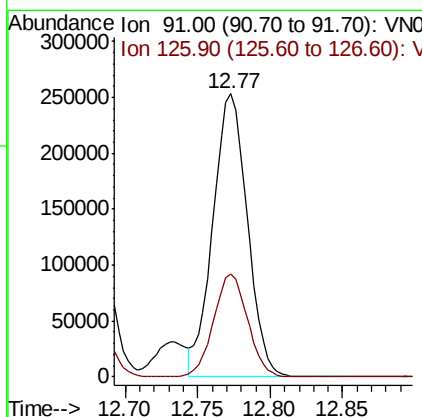
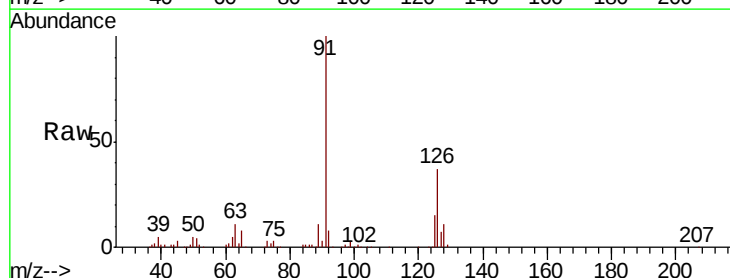
RT: 12.77 min Scan# 3421

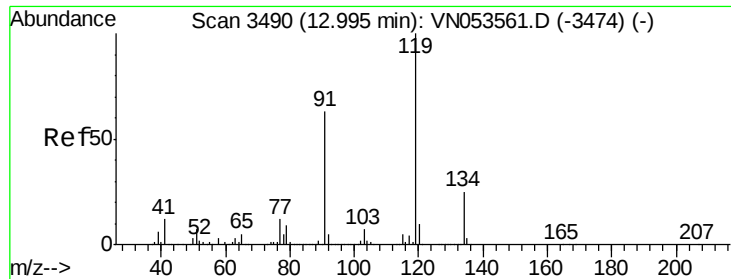
Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	91	Resp:	415911
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.6	52.9





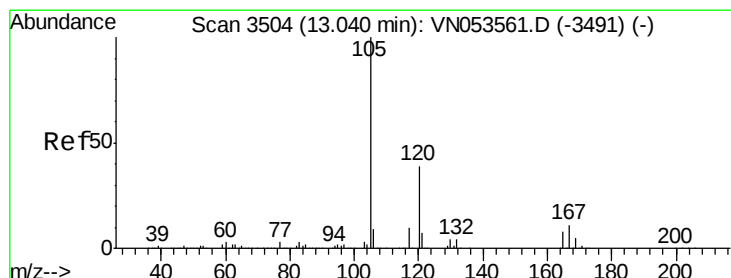
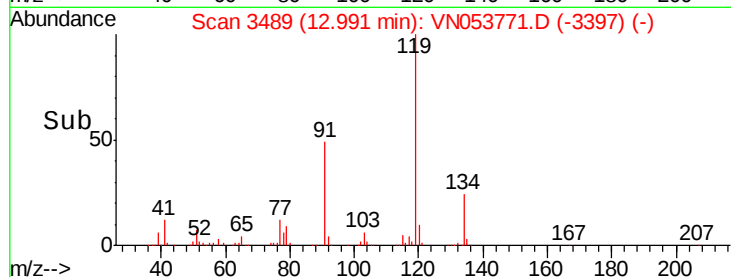
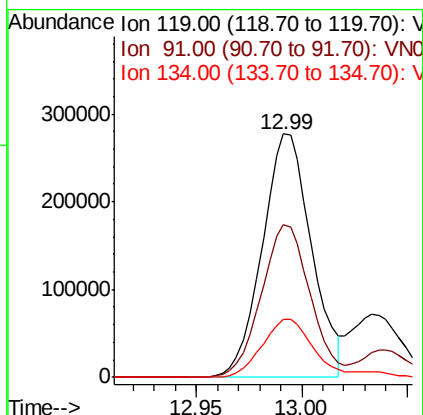
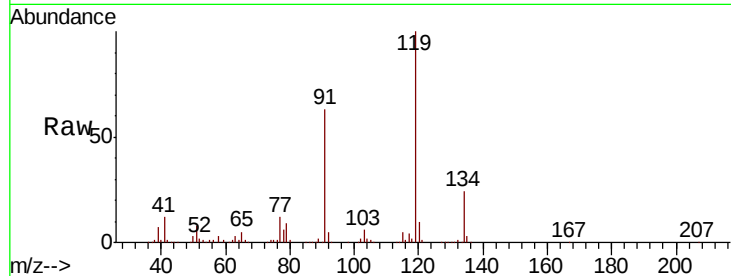
#83
tert-Butylbenzene
Concen: 20.496 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	449813		
91	62.2		31.3	93.8
134	26.3		12.9	38.7

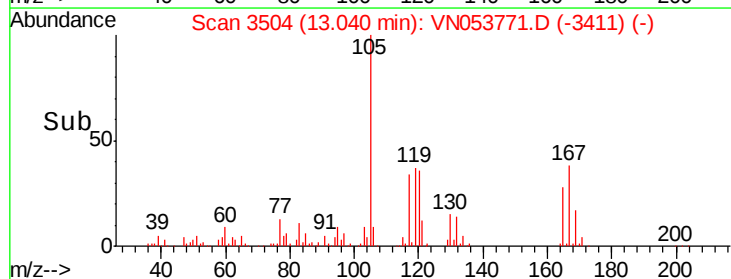
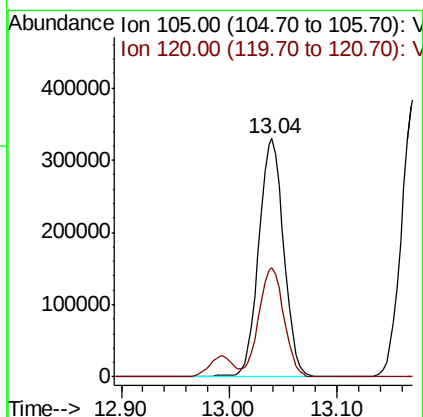
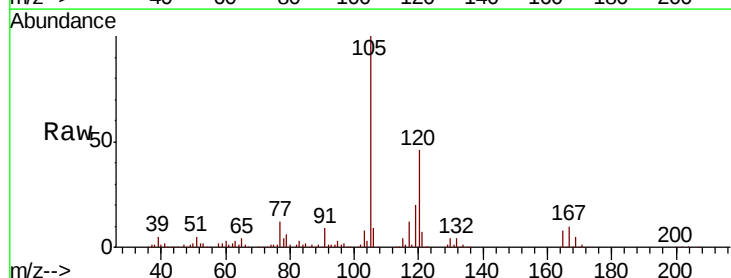
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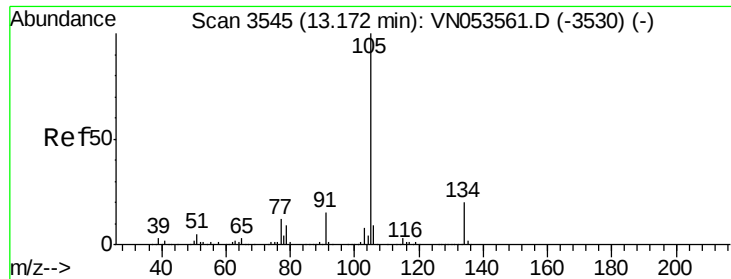
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#84
1,2,4-Trimethylbenzene
Concen: 20.887 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	528426		
120	46.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 21.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0214WBS01

Tot Ion:105 Resp: 631599

Ion Ratio Lower Upper

105 100

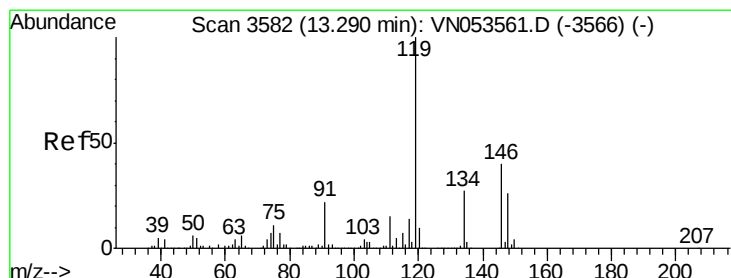
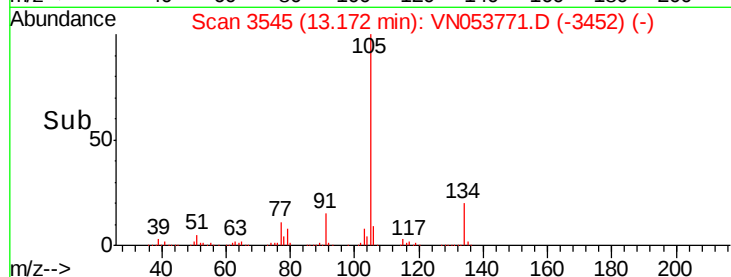
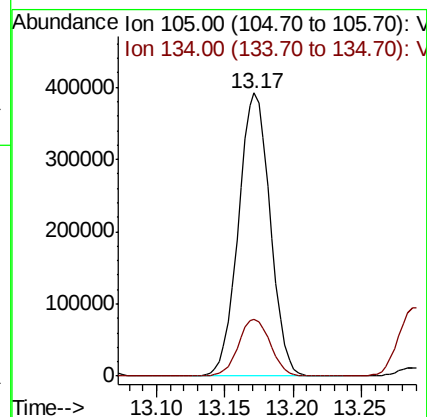
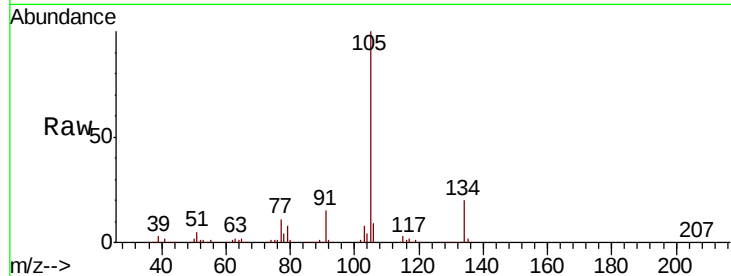
134 20.4 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.837 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

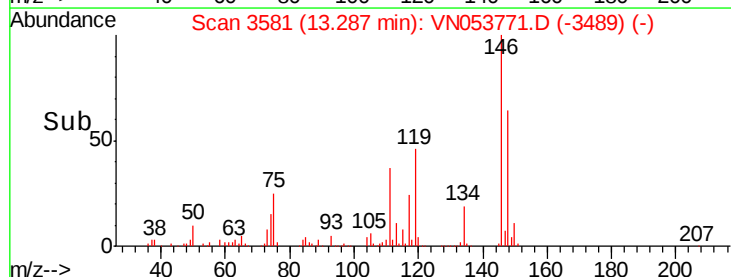
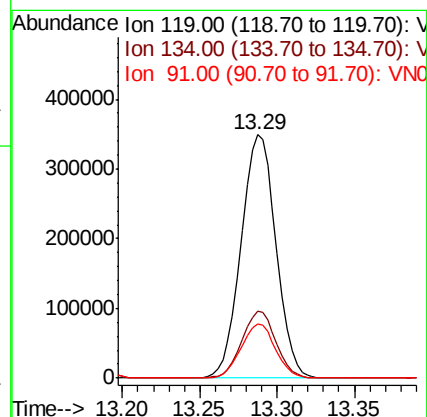
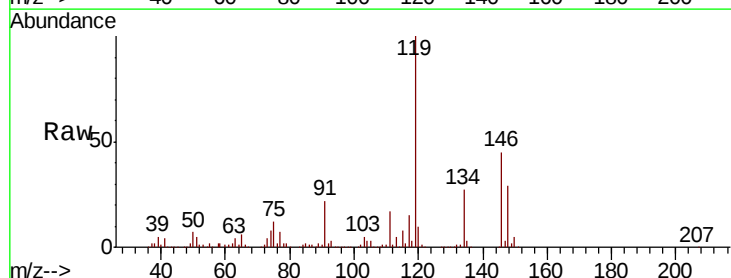
Tgt Ion:119 Resp: 544258

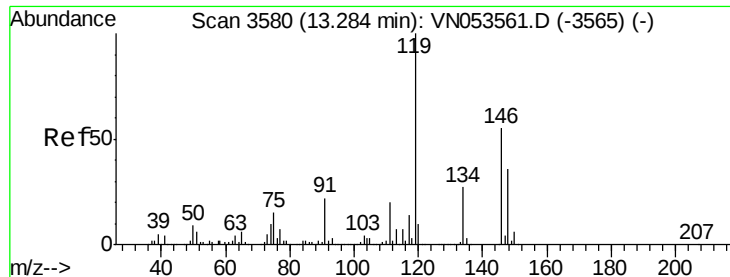
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.1 11.0 33.0





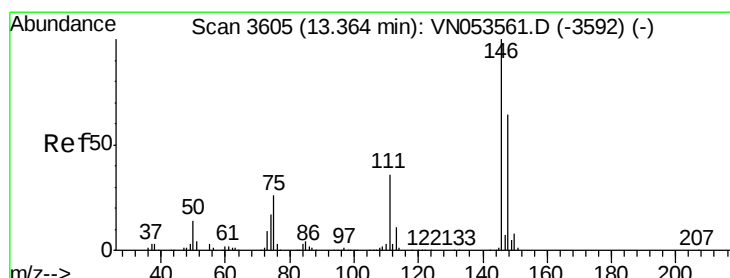
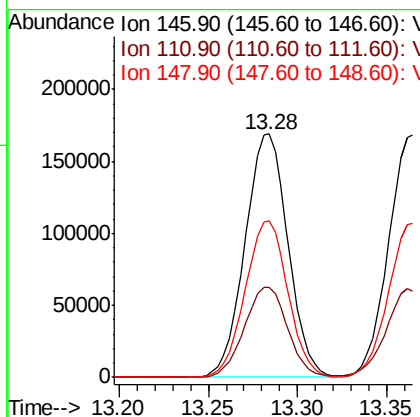
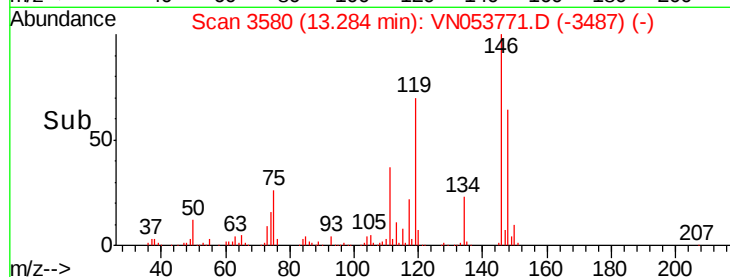
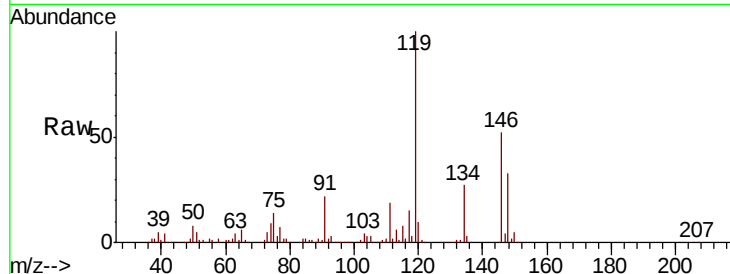
#87
 1,3-Dichlorobenzene
 Concen: 19.574 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	283976		
111	37.2	18.8	56.3	
148	63.9	32.0	96.2	

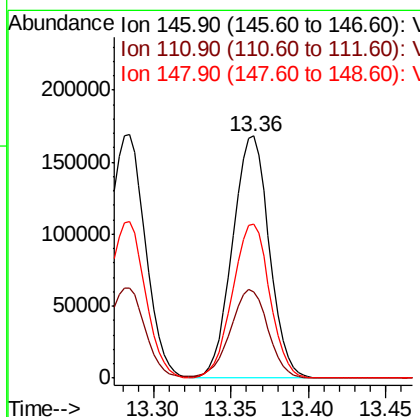
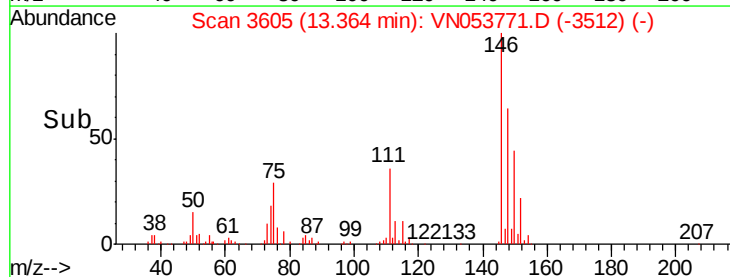
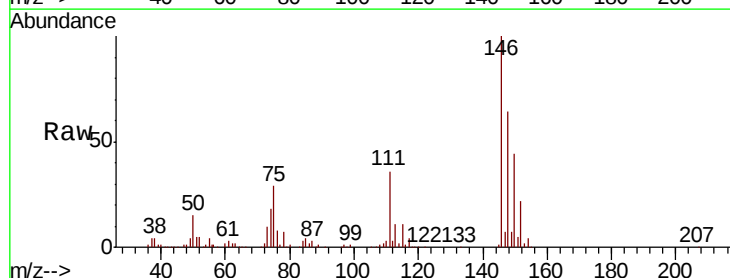
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#88
 1,4-Dichlorobenzene
 Concen: 19.317 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	277219		
111	37.7	18.6	55.8	
148	64.6	32.4	97.0	





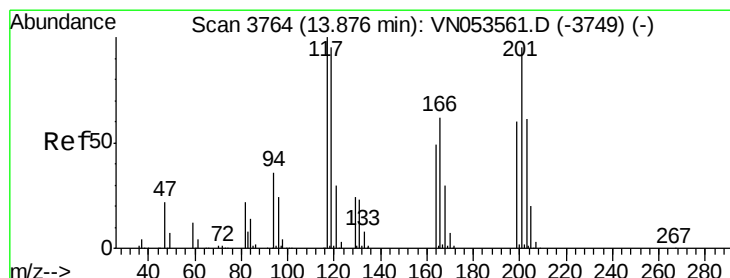
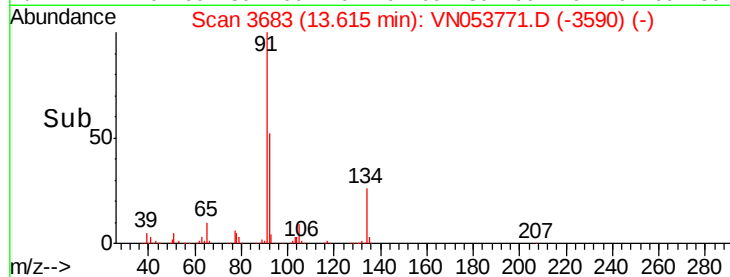
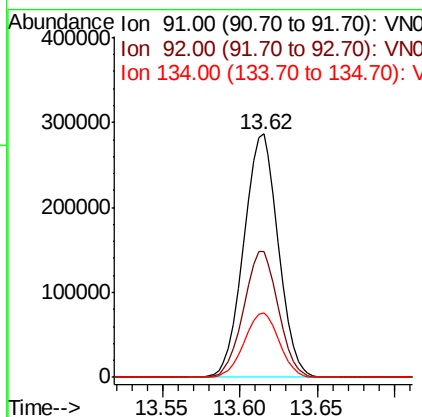
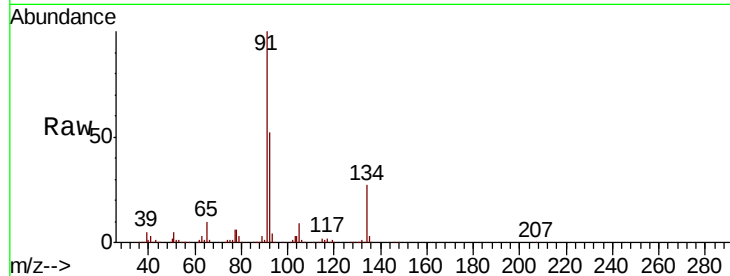
#89
n-Butylbenzene
Concen: 19.691 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0214WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.8	13.5	40.5

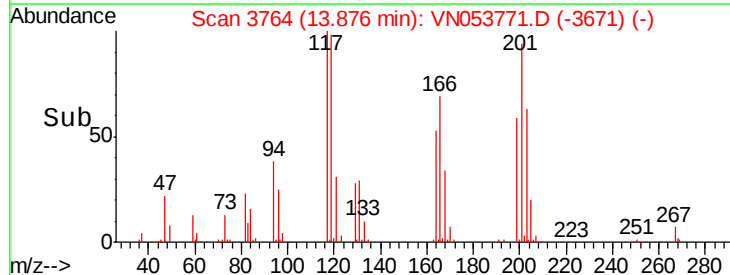
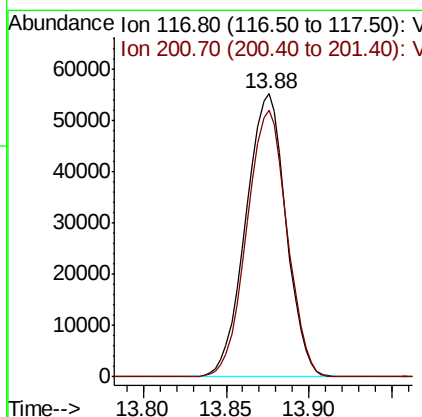
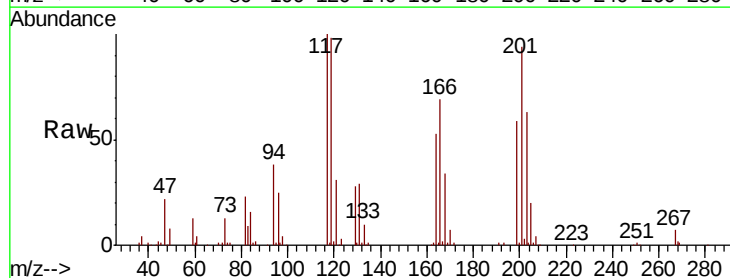
Manual Integrations
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#90
Hexachloroethane
Concen: 21.562 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053771.D
Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.2	46.8	140.4





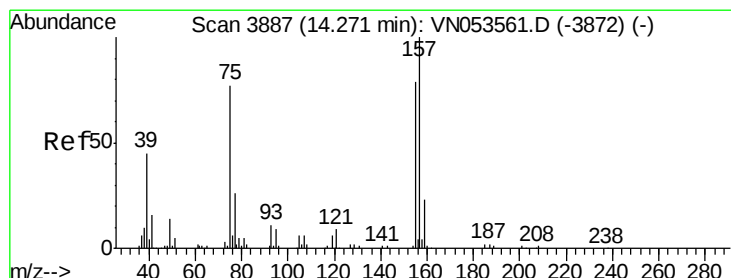
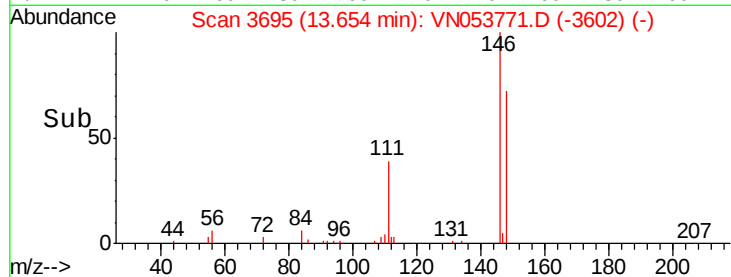
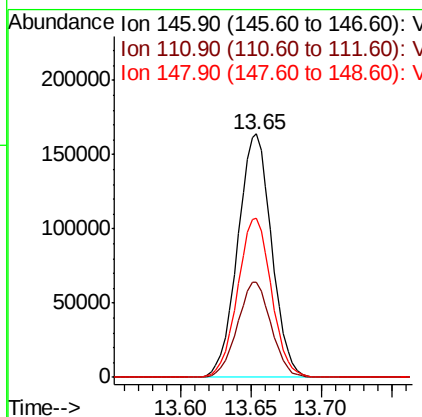
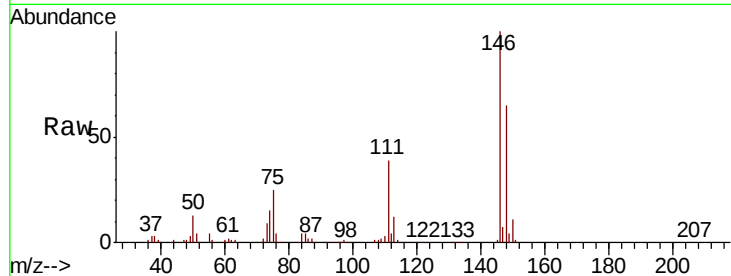
#91
 1,2-Dichlorobenzene
 Concen: 19.836 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	65.3	31.9	95.9

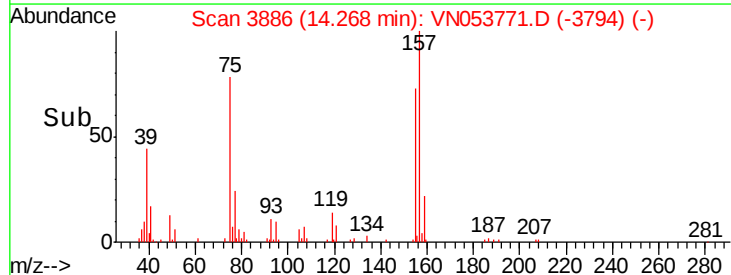
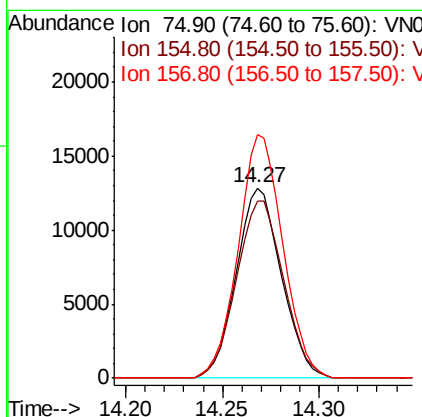
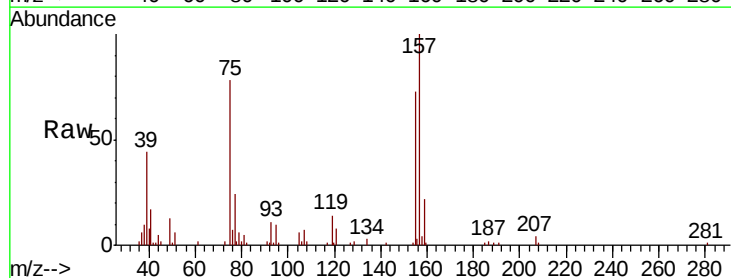
Manual Integrations
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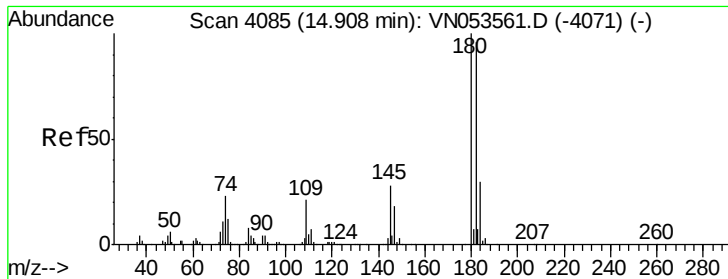
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.463 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.9	146.7
157	126.3	63.7	191.3





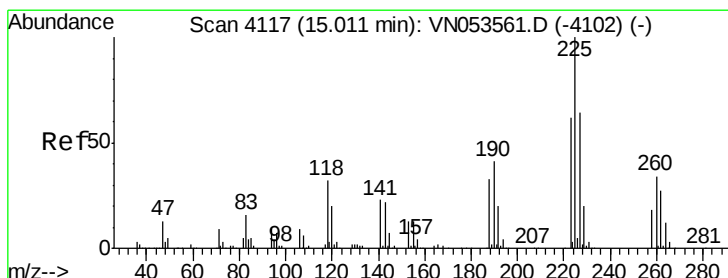
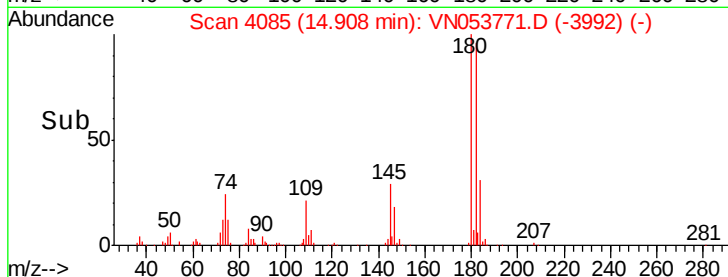
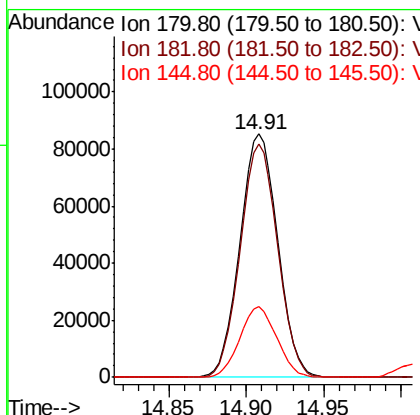
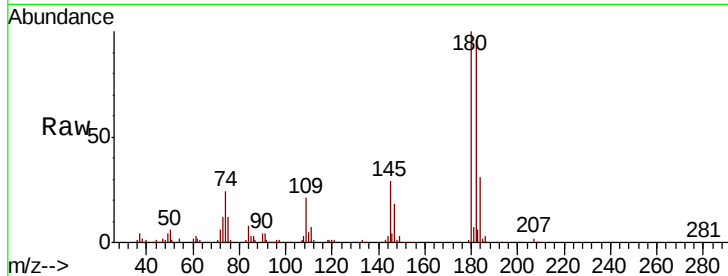
#93
 1,2,4-Trichlorobenzene
 Concen: 18.164 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144687		
182	95.3	48.1	144.3	
145	28.2	13.9	41.6	

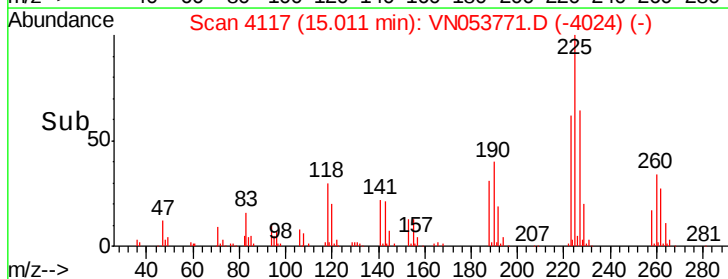
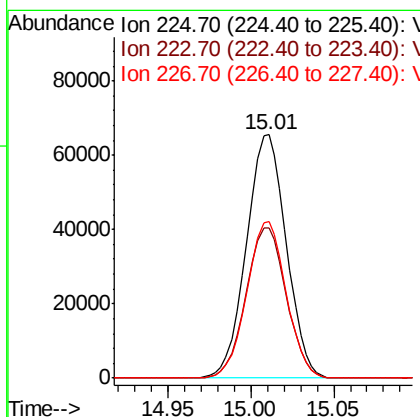
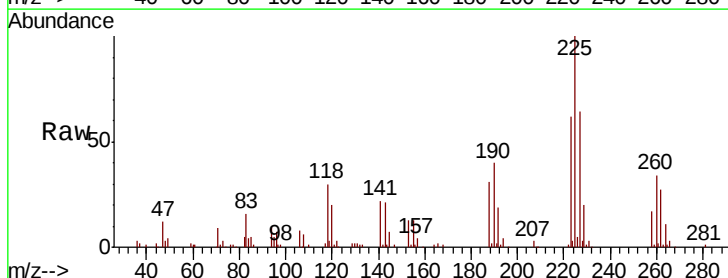
Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:48 AM



#94
 Hexachlorobutadiene
 Concen: 22.027 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053771.D
 Acq: 14 Feb 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109271		
223	62.7	31.1	93.2	
227	63.5	32.0	96.2	





#95

Naphthalene

Concen: 15.736 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Instrument :

MSVOA_N

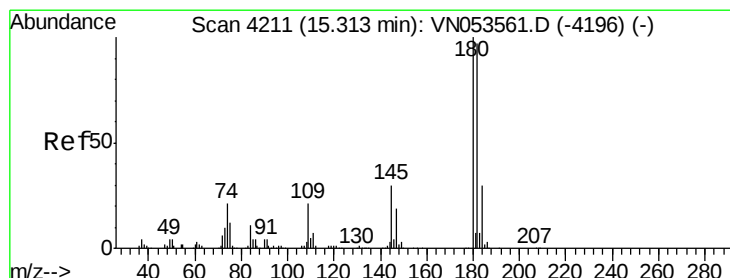
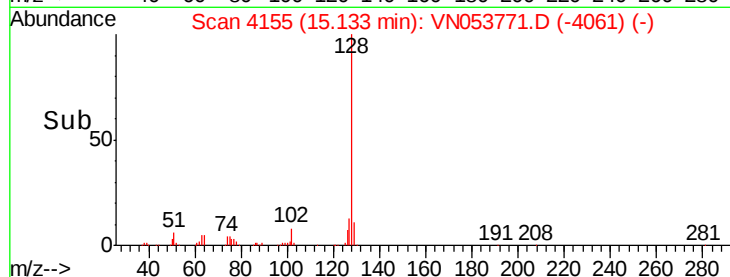
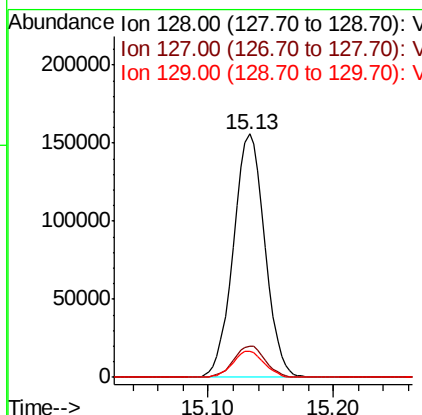
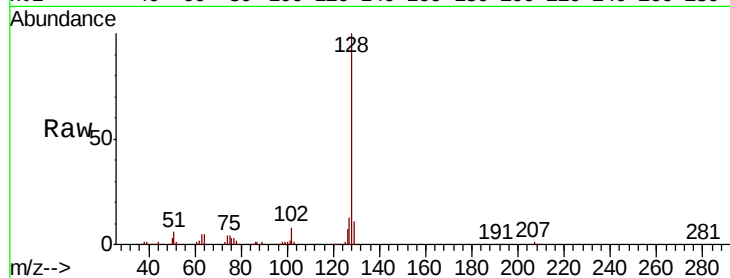
ClientSampleId :

VN0214WBS01

Tot Ion:	128	Resp:	271389
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.032 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053771.D

Acq: 14 Feb 2019 11:35

Tgt Ion:	180	Resp:	140670
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.9	143.8
145	30.5	14.7	44.1

