

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012319\
 Data File : VN053531.D
 Acq On : 23 Jan 2019 12:16
 Operator : JC/SP
 Sample : VN0123WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:53:37 AM

Quant Time: Jan 24 02:42:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	694076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	949647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	462277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	364013	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	325021	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
50) Toluene-d8	10.09	98	1287625	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	449811	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107614	19.284	ug/l	99
3) Chloromethane	2.06	50	147501	18.487	ug/l	99
4) Vinyl Chloride	2.19	62	148675	19.331	ug/l	99
5) Bromomethane	2.57	94	103464	19.606	ug/l	98
6) Chloroethane	2.71	64	91079	19.587	ug/l	99
7) Trichlorofluoromethane	3.03	101	206309	20.508	ug/l	100
8) Diethyl Ether	3.41	74	80691	21.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127495	20.012	ug/l	99
10) Methyl Iodide	3.96	142	192191	19.740	ug/l	100
11) Tert butyl alcohol	4.78	59	48330m	143.974	ug/l	
12) 1,1-Dichloroethene	3.74	96	125527	20.314	ug/l	97
13) Acrolein	3.61	56	73097	124.181	ug/l	100
14) Allyl chloride	4.33	41	205295	20.453	ug/l	98
15) Acrylonitrile	4.99	53	252174	114.148	ug/l	99
16) Acetone	3.82	43	185122	115.015	ug/l	98
17) Carbon Disulfide	4.06	76	345604	18.494	ug/l	99
18) Methyl Acetate	4.32	43	127121	23.442	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	361442	22.013	ug/l	100
20) Methylene Chloride	4.55	84	148814	20.251	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132468	20.051	ug/l	99
22) Diisopropyl ether	5.95	45	449408	21.447	ug/l	98
23) Vinyl Acetate	5.90	43	1419510	110.204	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261959	21.147	ug/l	98
25) 2-Butanone	6.83	43	287481	115.905	ug/l	100
26) 2,2-Dichloropropane	6.83	77	189572	20.269	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	158635	20.998	ug/l	99
28) Bromochloromethane	7.19	49	111339	20.403	ug/l	98
29) Tetrahydrofuran	7.21	42	190081	117.719	ug/l	100
30) Chloroform	7.37	83	257506	21.336	ug/l	99
31) Cyclohexane	7.65	56	232433	19.143	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	212599	20.766	ug/l	99
36) 1,1-Dichloropropene	7.80	75	189687	19.852	ug/l	99
37) Ethyl Acetate	6.93	43	125350	22.802	ug/l	100
38) Carbon Tetrachloride	7.78	117	184328	20.377	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226397	19.170	ug/l	99
40) Benzene	8.04	78	598228	20.603	ug/l	99
41) Methacrylonitrile	7.18	41	72242	22.488	ug/l	96
42) 1,2-Dichloroethane	8.13	62	181988	21.514	ug/l	100
43) Isopropyl Acetate	8.16	43	226270	22.891	ug/l	98
44) Trichloroethene	8.84	130	165165	20.512	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159608	20.753	ug/l	99
46) Dibromomethane	9.21	93	93888	21.248	ug/l	99
47) Bromodichloromethane	9.40	83	195740	21.065	ug/l	98
48) Methyl methacrylate	9.20	41	110128	21.578	ug/l	97
49) 1,4-Dioxane	9.20	88	30138	604.646	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	633934	117.482	ug/l	100
52) Toluene	10.16	92	373979	20.747	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	197359	20.954	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	230527	20.879	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	136240	21.922	ug/l	100
56) Ethyl methacrylate	10.43	69	173302	20.898	ug/l	100
57) 1,3-Dichloropropane	10.71	76	229383	21.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	454683	104.579	ug/l	99
59) 2-Hexanone	10.75	43	434060	114.590	ug/l	99
60) Dibromochloromethane	10.90	129	148967	21.134	ug/l	98
61) 1,2-Dibromoethane	11.01	107	132505	21.082	ug/l	98
64) Tetrachloroethene	10.63	164	183862	20.545	ug/l	99
65) Chlorobenzene	11.43	112	416737	20.732	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	147945	21.157	ug/l	99
67) Ethyl Benzene	11.51	91	694116	20.262	ug/l	100
68) m/p-Xylenes	11.62	106	538131	41.606	ug/l	99
69) o-Xylene	11.95	106	260855	20.756	ug/l	99
70) Styrene	11.96	104	429133	21.039	ug/l	99
71) Bromoform	12.13	173	106561	22.135	ug/l #	99
73) Isopropylbenzene	12.25	105	694870	20.526	ug/l	100
74) N-amyl acetate	12.07	43	197576	21.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	156578	22.054	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	139961m	22.975	ug/l	
77) Bromobenzene	12.53	156	185817	20.831	ug/l	99
78) n-propylbenzene	12.59	91	797788	20.530	ug/l	100
79) 2-Chlorotoluene	12.67	91	474354	20.594	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	575058	20.878	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	46481	20.865	ug/l	94
82) 4-Chlorotoluene	12.77	91	487312	20.746	ug/l	100
83) tert-Butylbenzene	12.99	119	504525	20.739	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	582492	20.974	ug/l	98
85) sec-Butylbenzene	13.17	105	692705	20.762	ug/l	99
86) p-Isopropyltoluene	13.29	119	607209	20.961	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	326613	20.815	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	322445	20.486	ug/l	99
89) n-Butylbenzene	13.62	91	499873	20.243	ug/l	99
90) Hexachloroethane	13.88	117	94367	20.771	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	318268	22.047	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24349	27.047	ug/l	95

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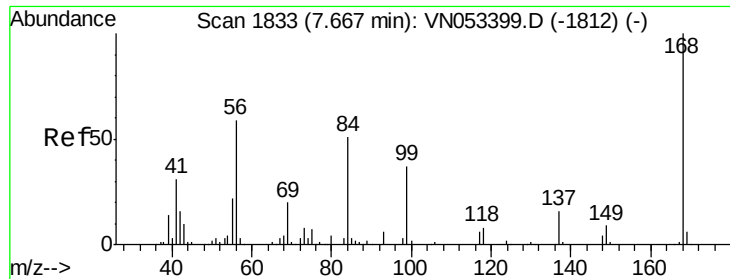
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145945	24.412	ug/l	100
94) Hexachlorobutadiene	15.01	225	103190	22.915	ug/l	98
95) Naphthalene	15.13	128	261822	25.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	113463	26.348	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion:168 Resp: 694076

Ion Ratio Lower Upper

168 100

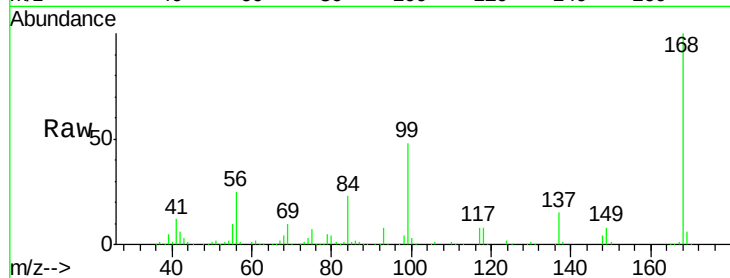
99 48.0 39.1 58.7

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

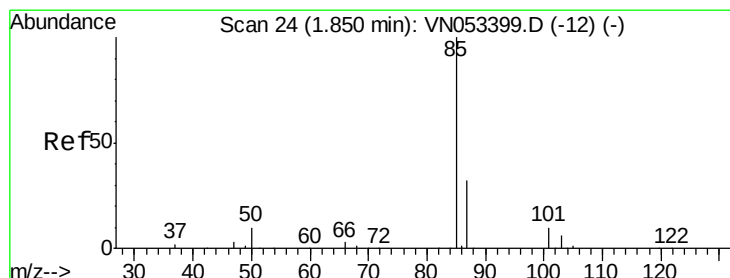
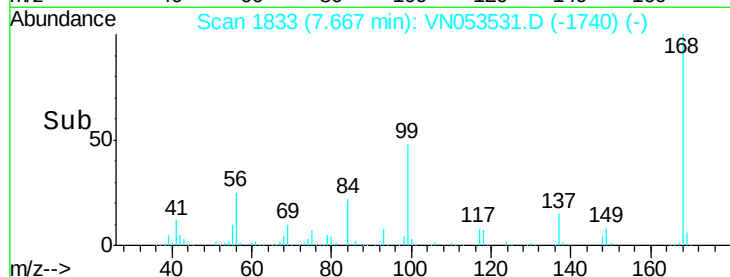
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.284 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053531.D

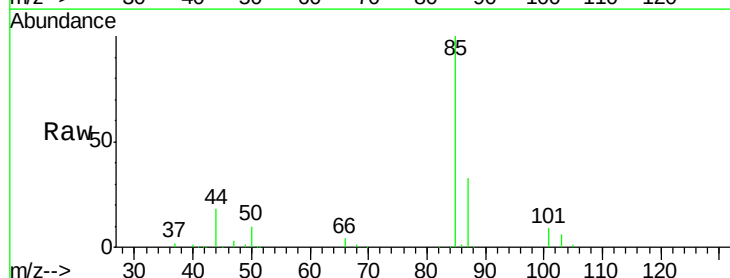
Acq: 23 Jan 2019 12:16

Tgt Ion: 85 Resp: 107614

Ion Ratio Lower Upper

85 100

87 32.7 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

80000

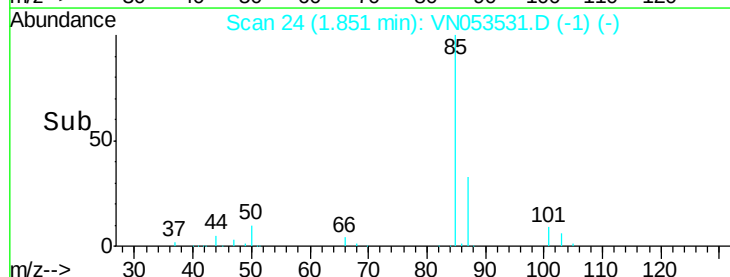
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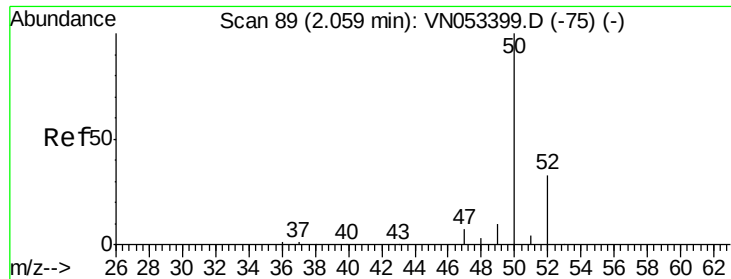
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.487 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampled :

VN0123WBSD01

Tot Ion: 50 Resp: 147501

Ion Ratio Lower Upper

50 100

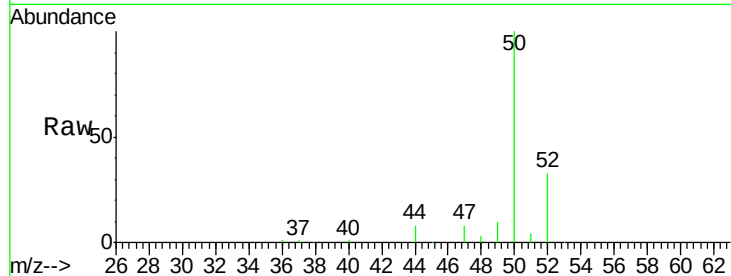
52 32.8 26.6 40.0

Manual Integrations

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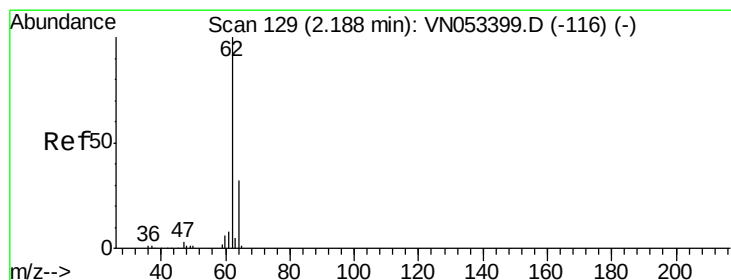
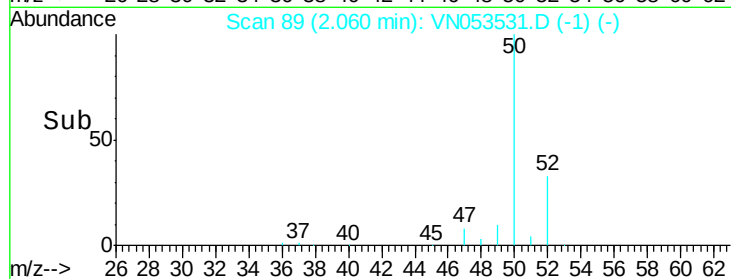
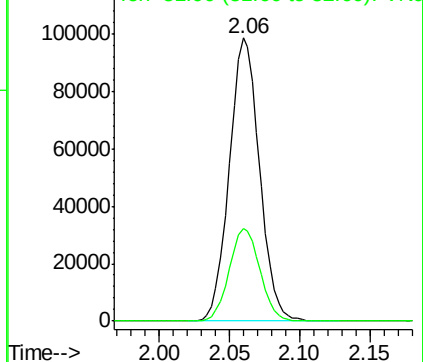
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.331 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053531.D

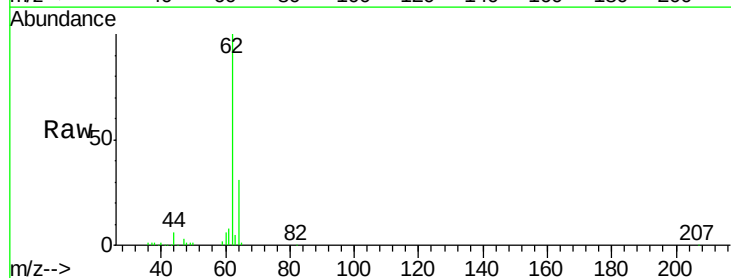
Acq: 23 Jan 2019 12:16

Tgt Ion: 62 Resp: 148675

Ion Ratio Lower Upper

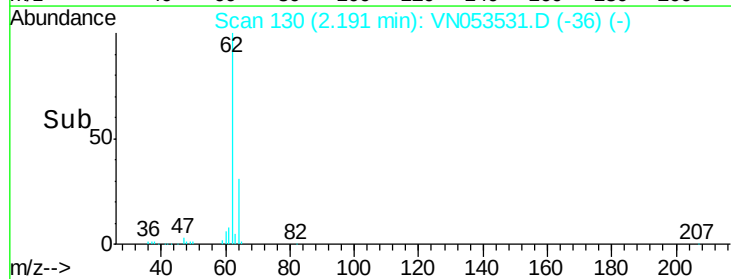
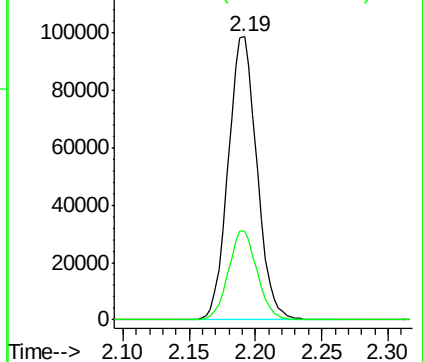
62 100

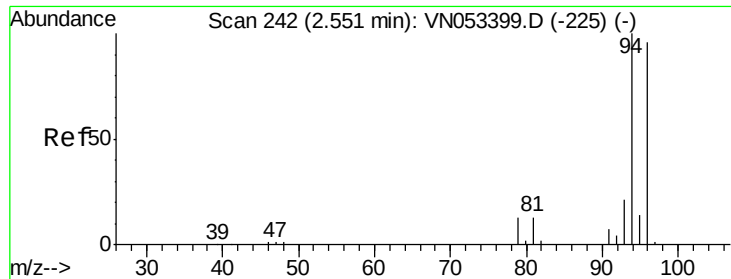
64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.606 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion: 94 Resp: 103464

Ion Ratio Lower Upper

94 100

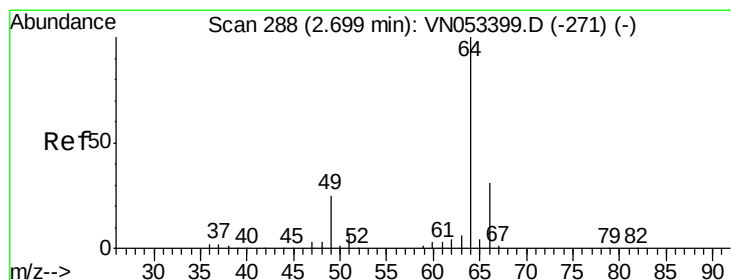
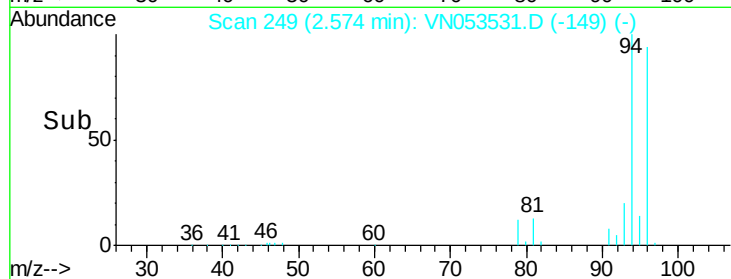
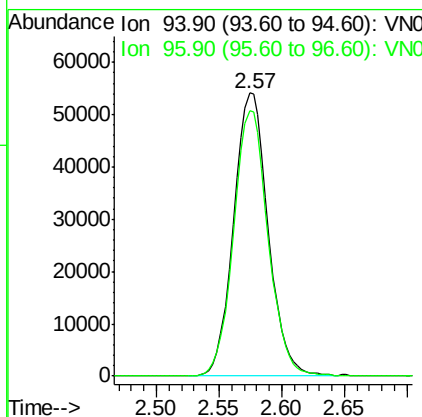
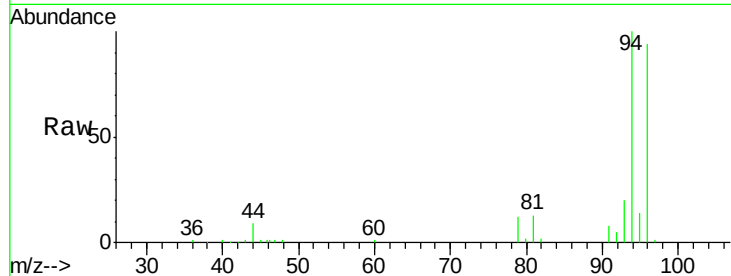
96 94.0 76.8 115.2

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#6

Chloroethane

Concen: 19.587 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053531.D

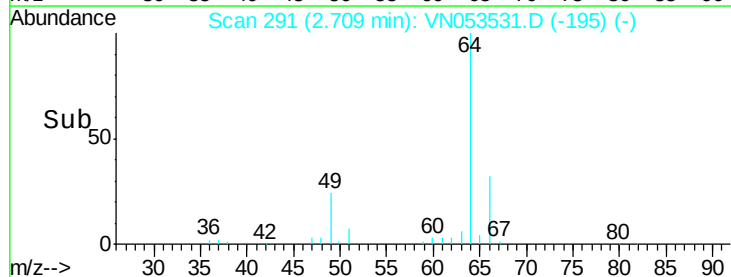
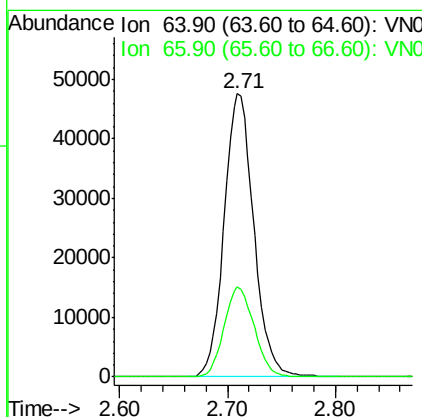
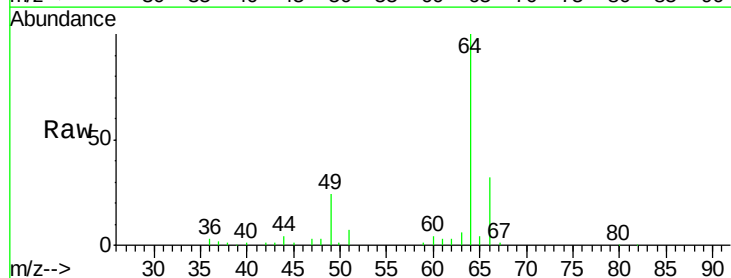
Acq: 23 Jan 2019 12:16

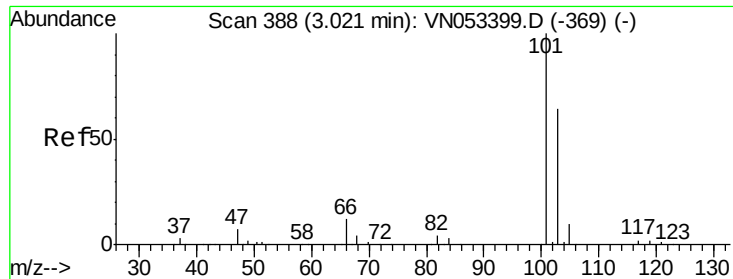
Tgt Ion: 64 Resp: 91079

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

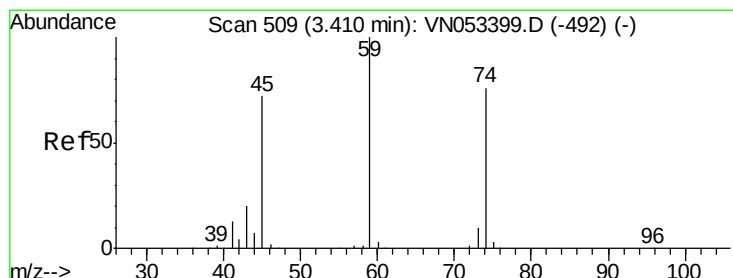
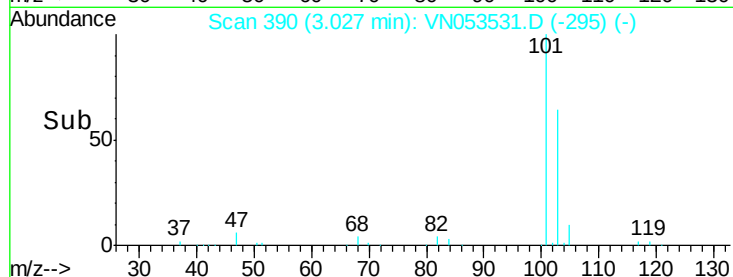
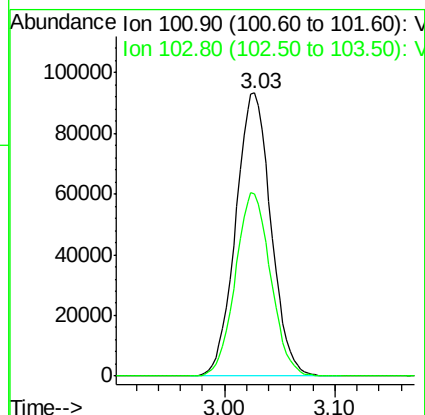
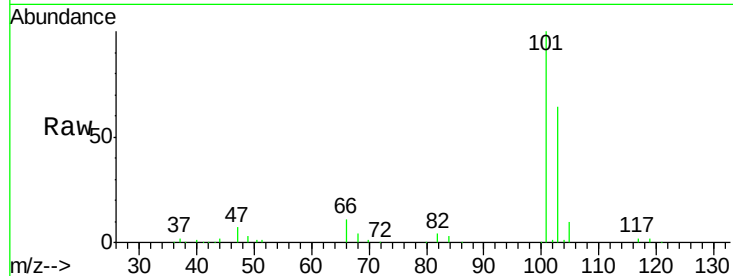
Trichlorofluoromethane
 Concen: 20.508 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.6	77.4

Manual Integrations
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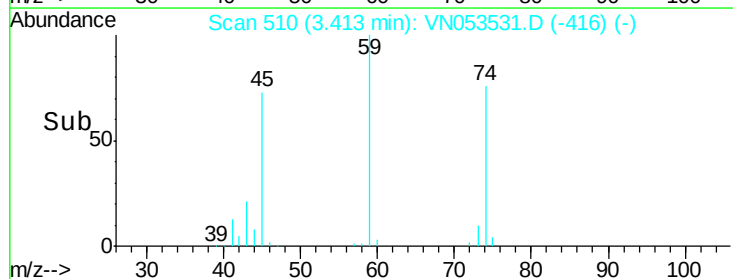
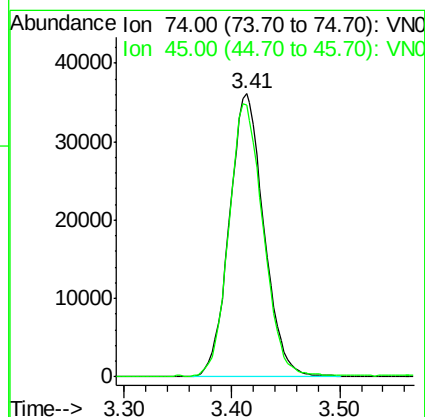
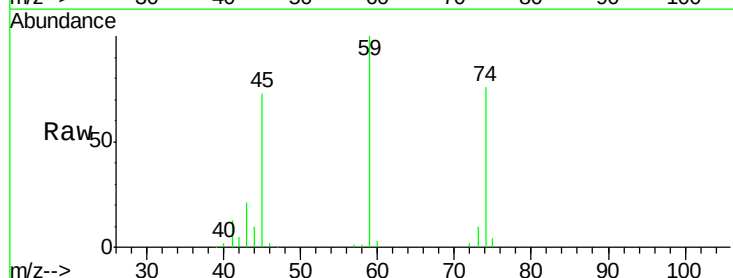
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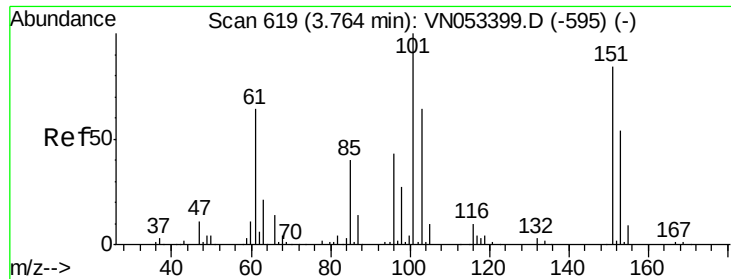


#8

Diethyl Ether
 Concen: 21.356 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	47.9	143.7





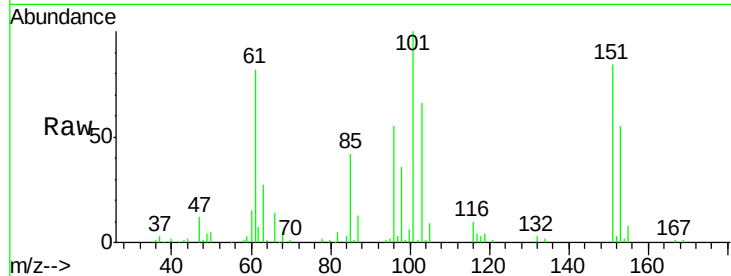
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.012 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053531.D
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Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127495		
85	41.3		32.8	49.2
151	84.1		66.9	100.3

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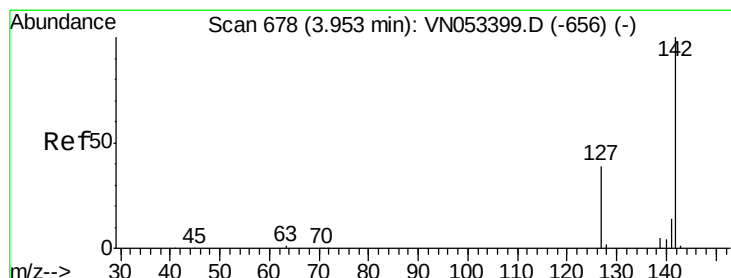
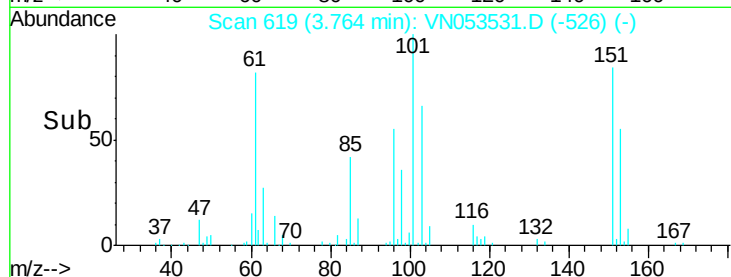
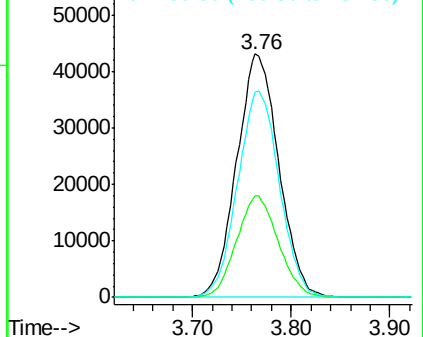


Abundance

Ion 100.90 (100.60 to 101.60): V

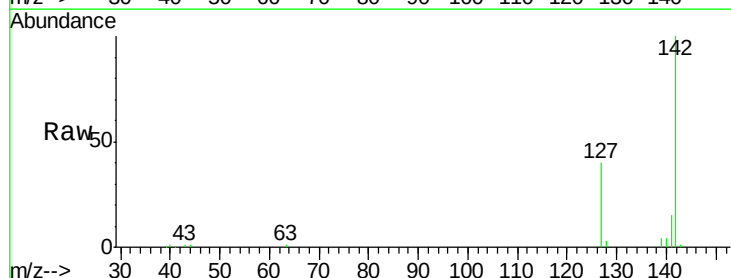
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 19.740 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	192191		
127	38.8		31.0	46.4
141	14.0		11.1	16.7

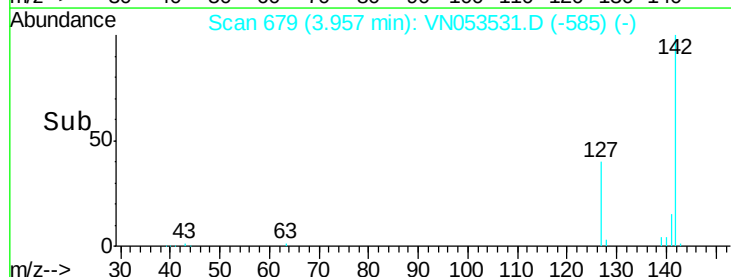
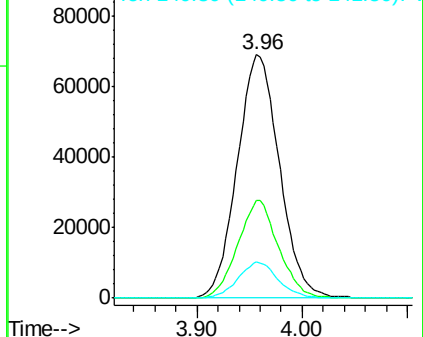


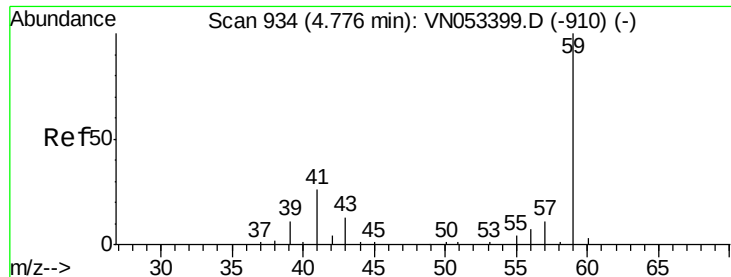
Abundance

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





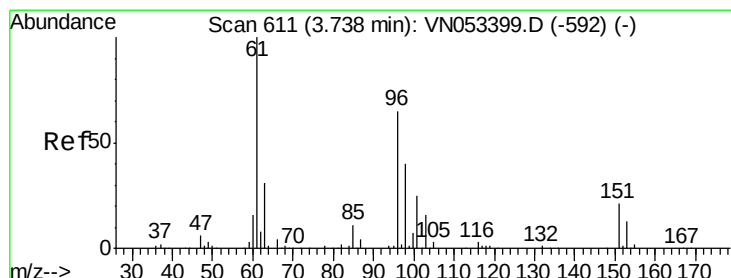
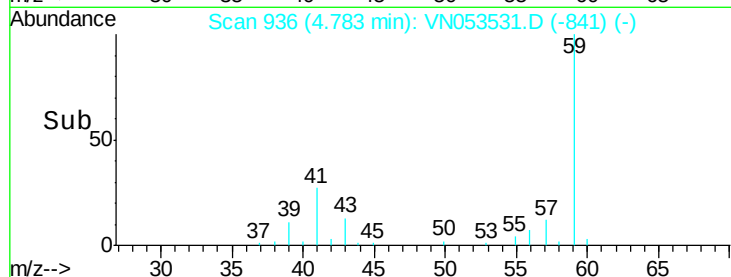
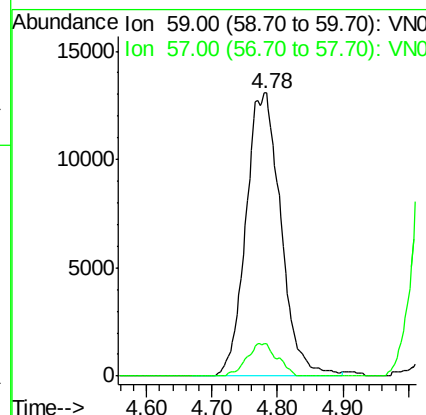
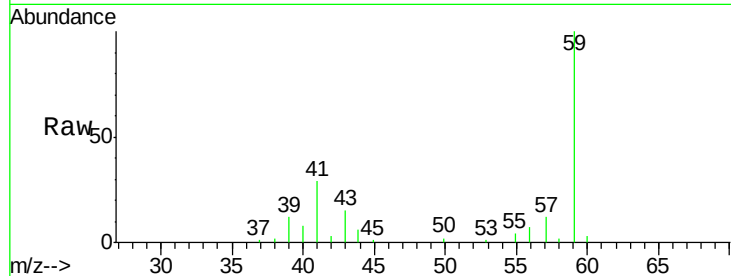
#11
Tert butyl alcohol
Concen: 143.974 ug/l m
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion: 59 Resp: 48330
Ion Ratio Lower Upper
59 100
57 5.3 8.2 12.4#

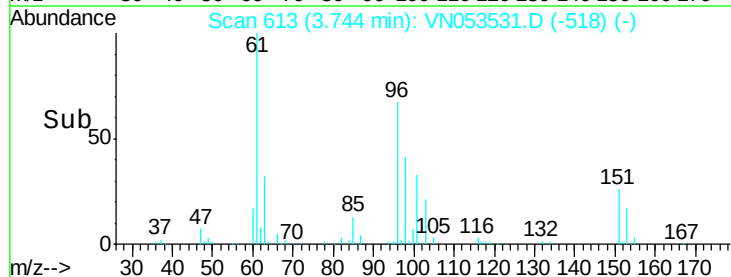
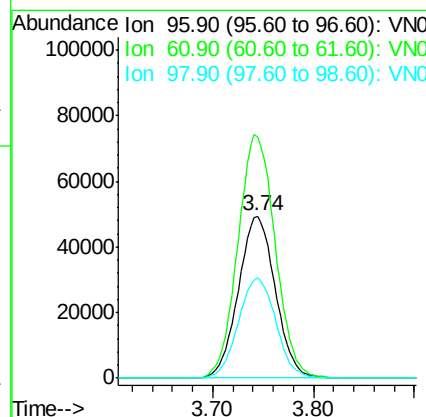
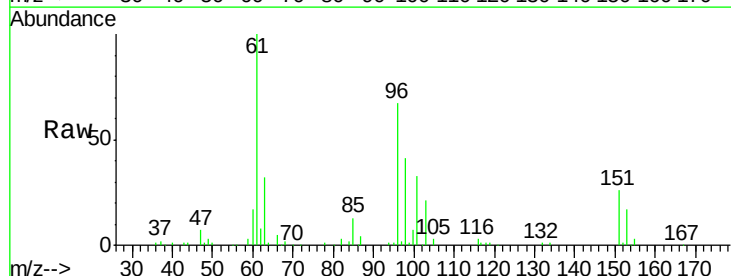
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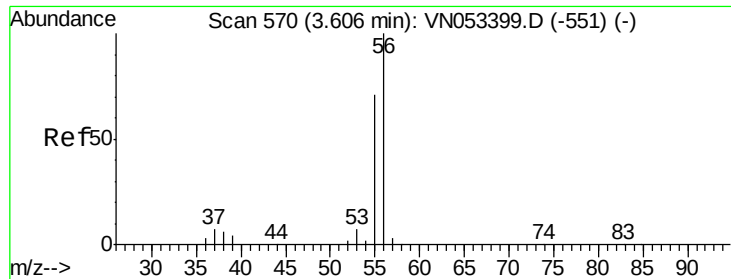
MMDadoda
1/24/2019 11:53:37 AM



#12
1,1-Dichloroethene
Concen: 20.314 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 96 Resp: 125527
Ion Ratio Lower Upper
96 100
61 148.8 122.9 184.3
98 61.5 49.4 74.0





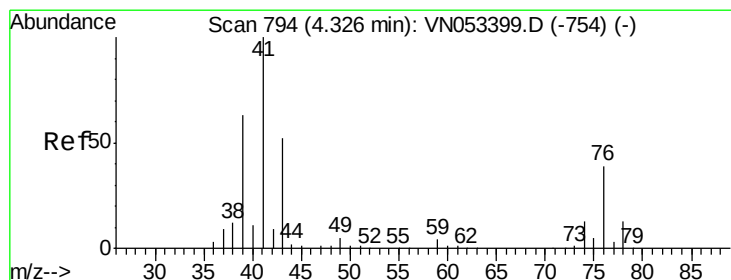
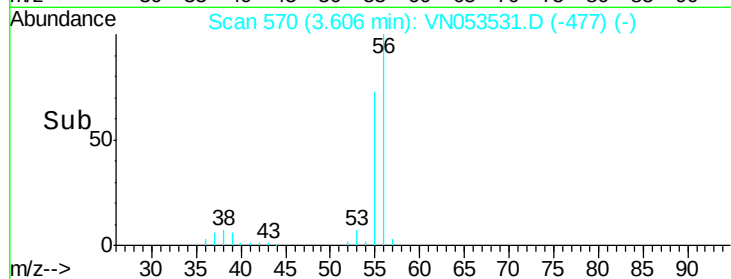
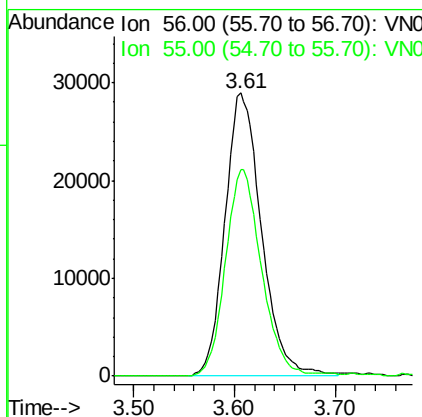
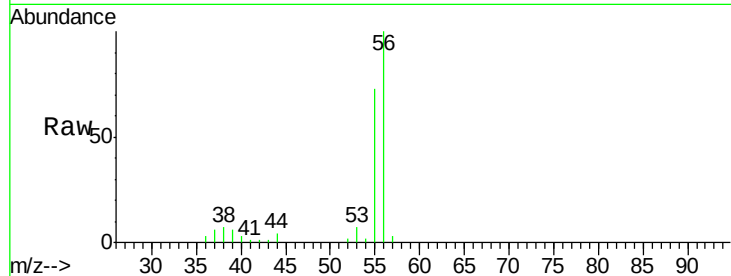
#13
Acrolein
Concen: 124.181 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	56	Resp	73097
Ion Ratio	100	Lower	Upper
55	71.4	57.4	86.0

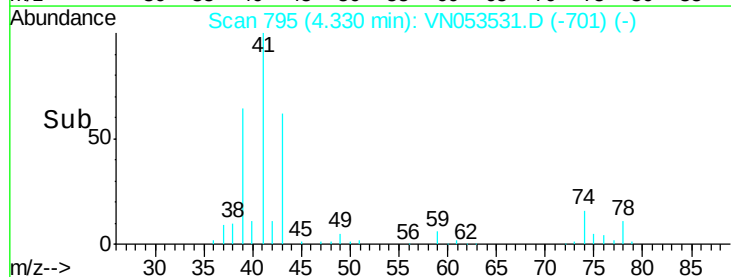
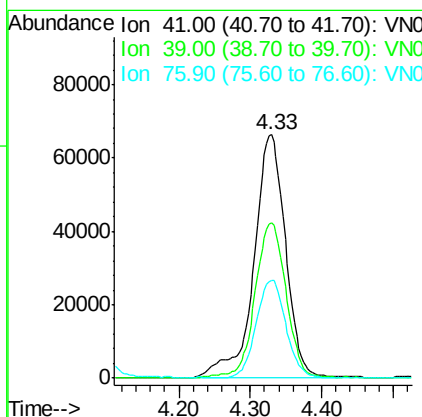
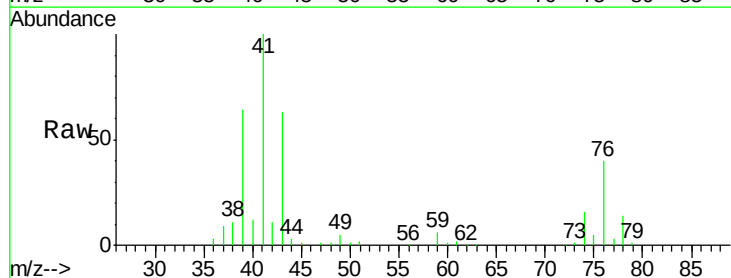
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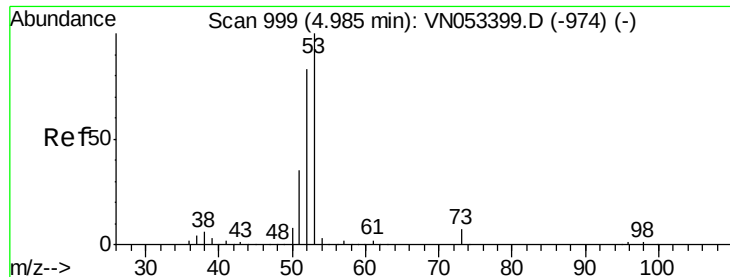
MMDadoda
1/24/2019 11:53:37 AM



#14
Allyl chloride
Concen: 20.453 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	41	Resp	205295
Ion Ratio	100	Lower	Upper
39	62.4	48.9	73.3
76	37.7	29.4	44.2





#15

Acrylonitrile

Concen: 114.148 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

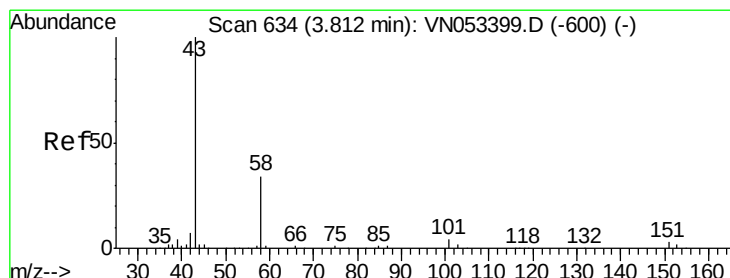
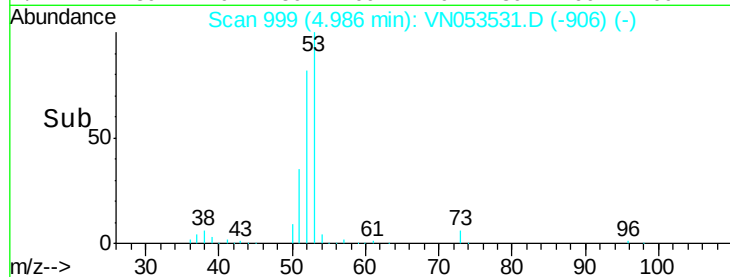
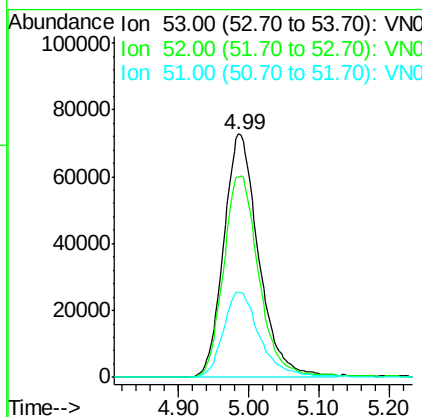
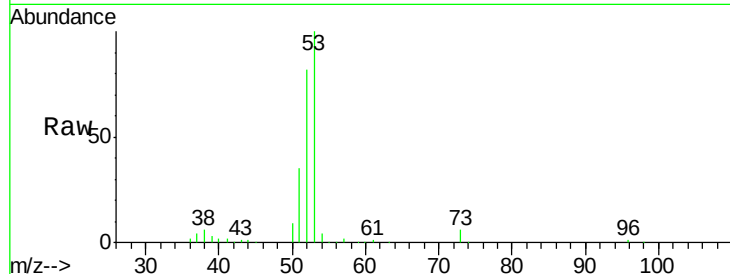
ClientSampleId :

VN0123WBSD01

Tot Ion:	53	Resp:	252174
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.0	99.0
51	36.4	28.3	42.5

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#16

Acetone

Concen: 115.015 ug/l

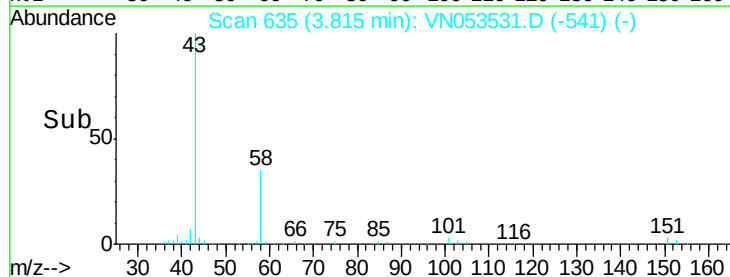
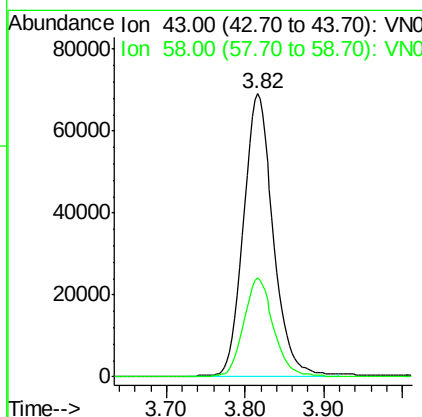
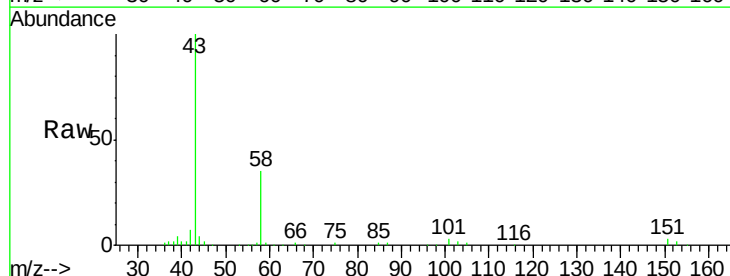
RT: 3.82 min Scan# 635

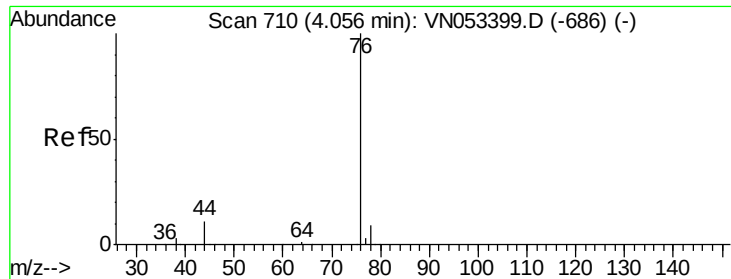
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion:	43	Resp:	185122
Ion Ratio	Lower	Upper	
43	100		
58	34.9	27.1	40.7





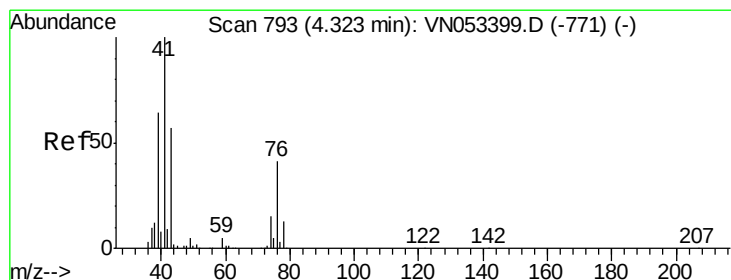
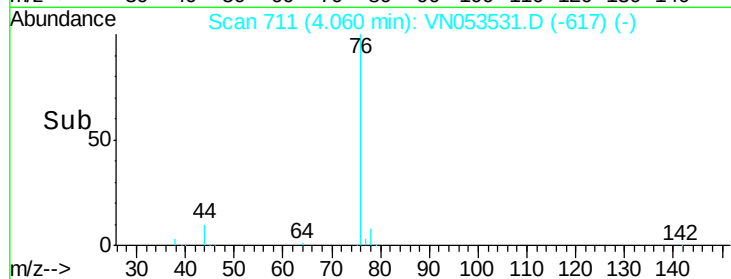
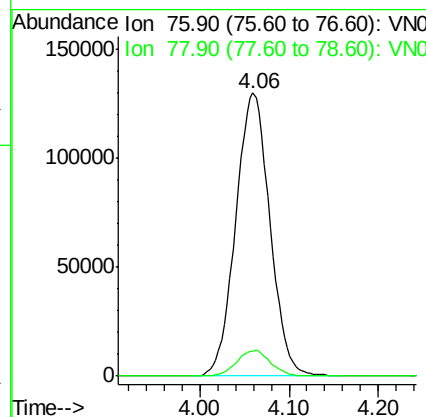
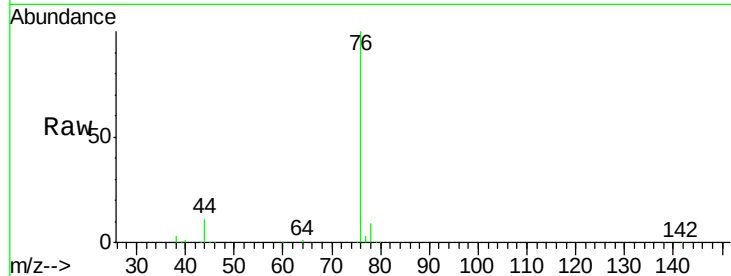
#17
Carbon Disulfide
Concen: 18.494 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

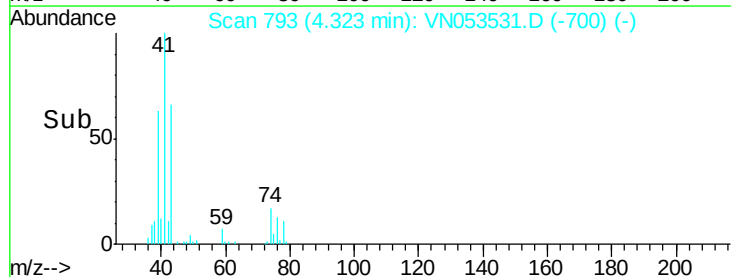
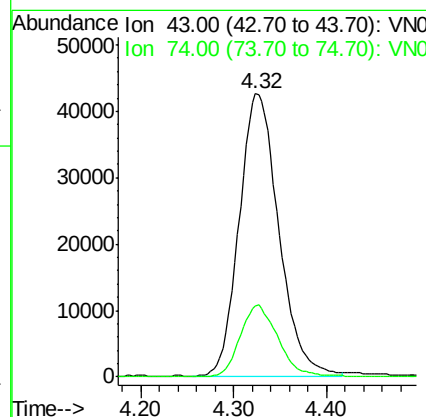
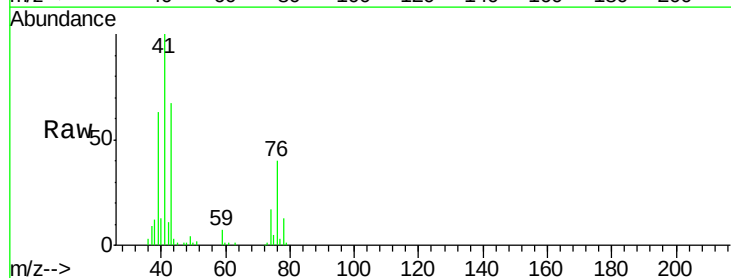
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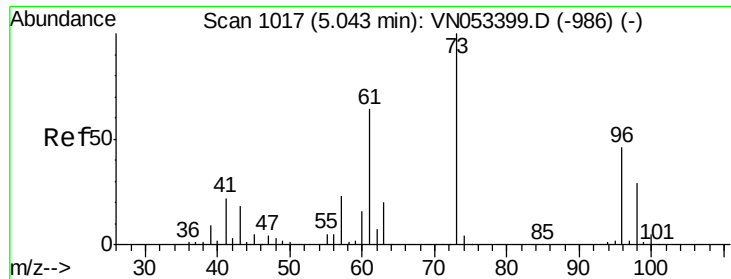
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#18
Methyl Acetate
Concen: 23.442 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.4	29.2





#19

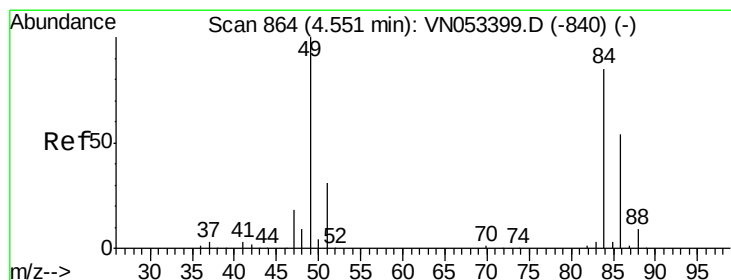
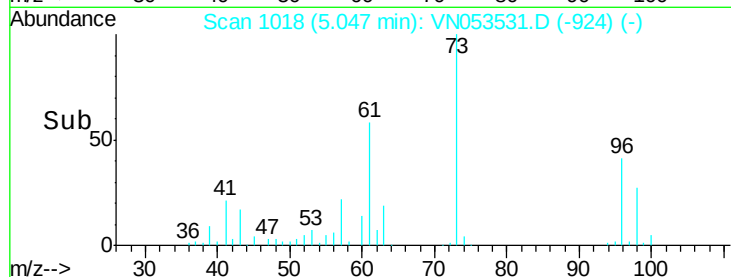
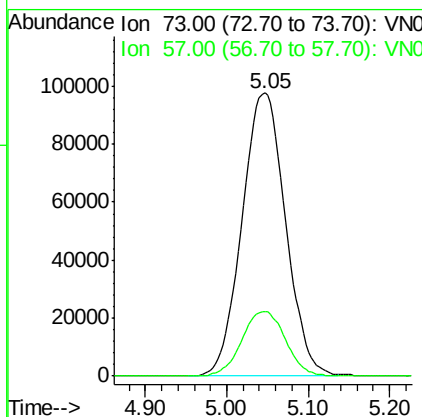
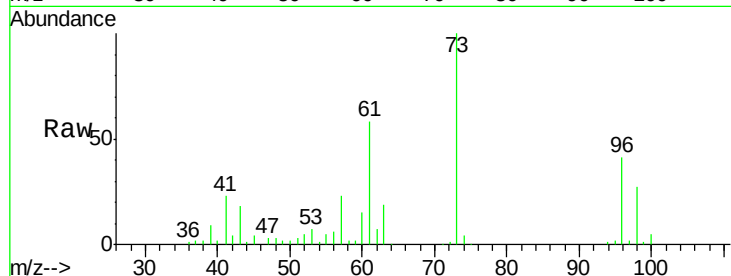
Methyl tert-butyl Ether
 Concen: 22.013 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion: 73 Resp: 361442
 Ion Ratio Lower Upper
 73 100
 57 22.7 18.3 27.5

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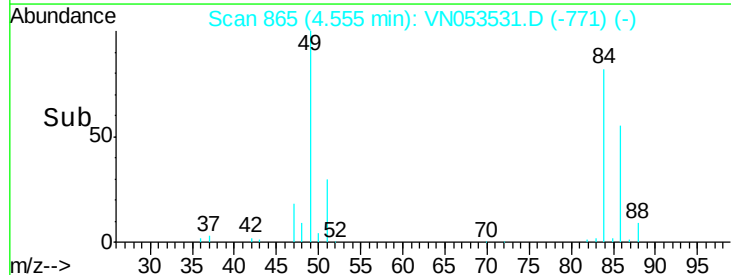
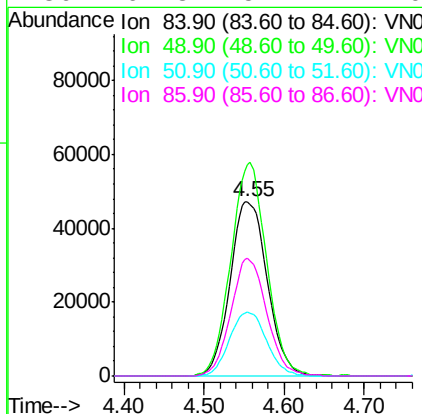
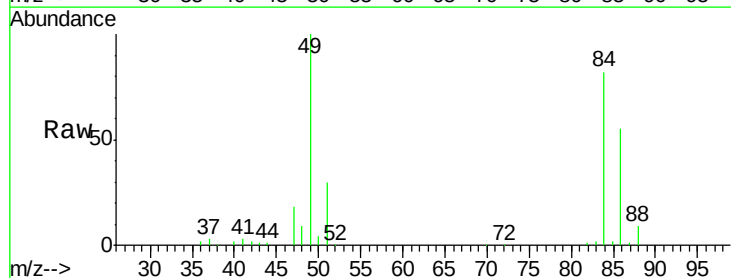
MMDadoda
 1/24/2019 11:53:37 AM

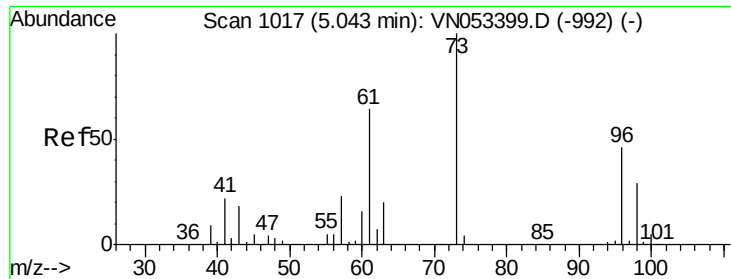


#20

Methylene Chloride
 Concen: 20.251 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 84 Resp: 148814
 Ion Ratio Lower Upper
 84 100
 49 121.4 94.3 141.5
 51 36.4 29.4 44.2
 86 67.3 51.4 77.0





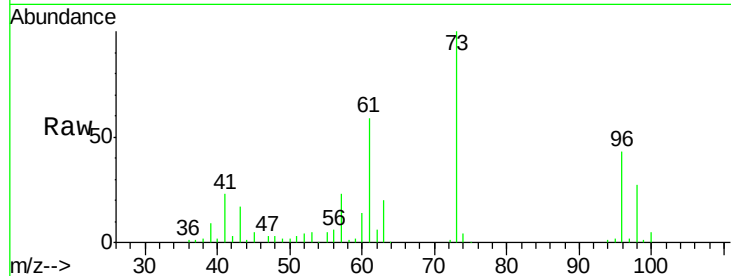
#21
trans-1,2-Dichloroethene
Concen: 20.051 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampled :
VN0123WBSD01

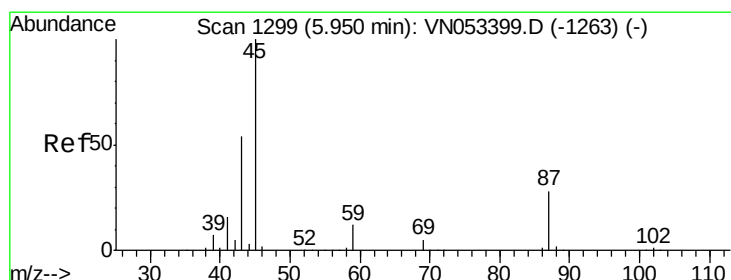
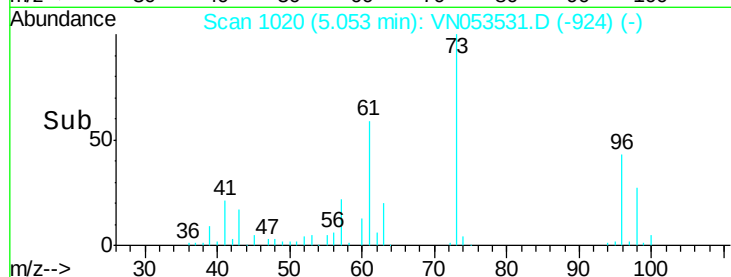
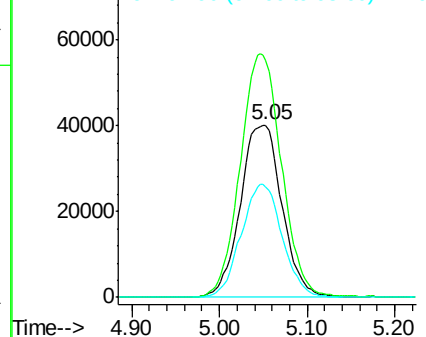
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	110.1	165.1
98	64.1	50.0	75.0

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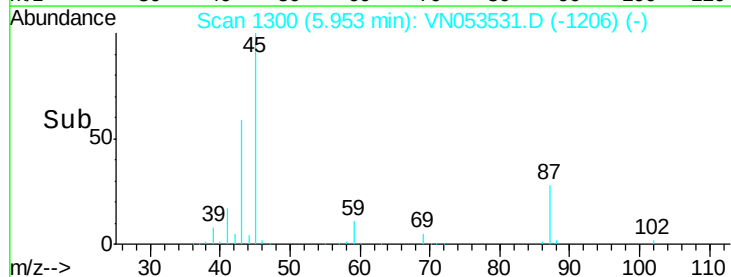
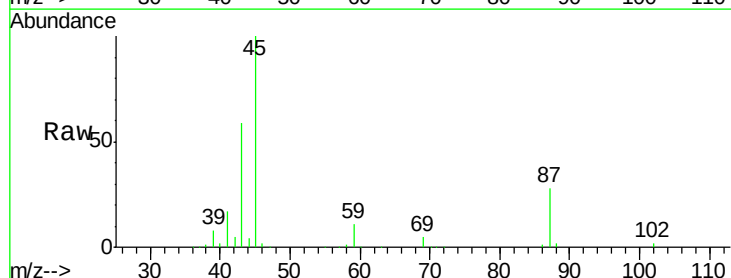
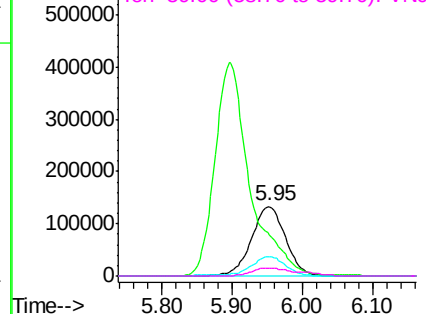
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

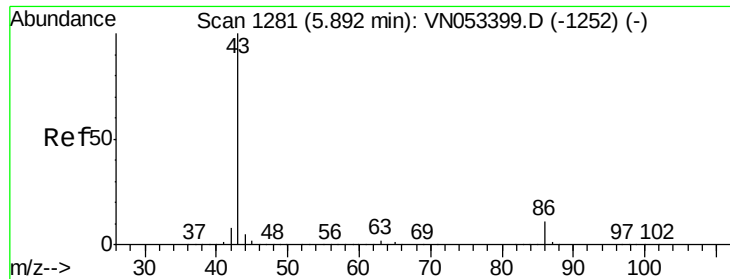


#22
Diisopropyl ether
Concen: 21.447 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	44.2	66.4
87	28.1	22.7	34.1
59	11.0	9.4	14.2

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 110.204 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion: 43 Resp: 1419510

Ion Ratio Lower Upper

43 100

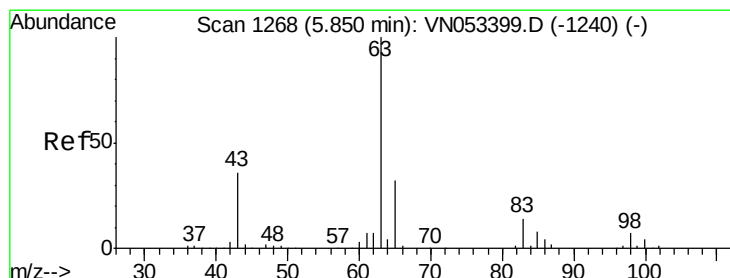
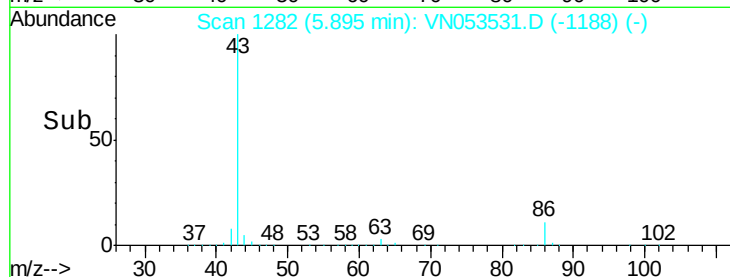
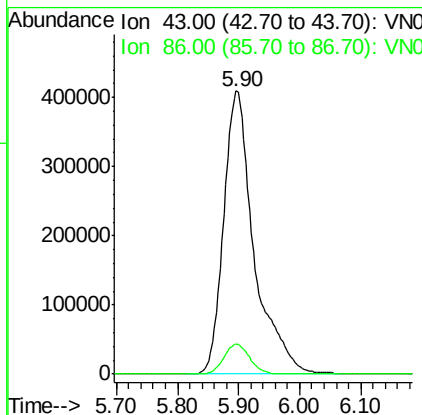
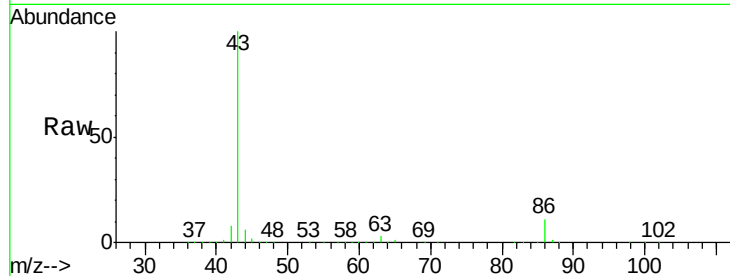
86 10.8 8.4 12.6

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#24

1,1-Dichloroethane

Concen: 21.147 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

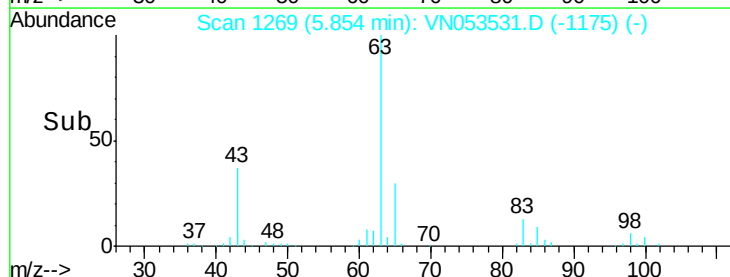
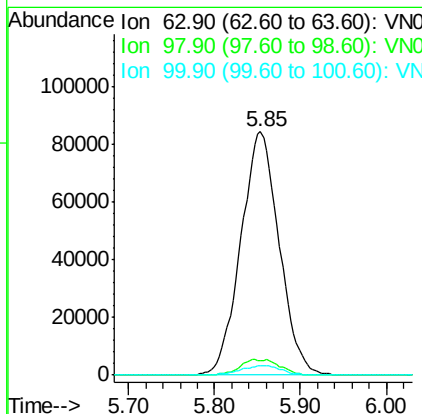
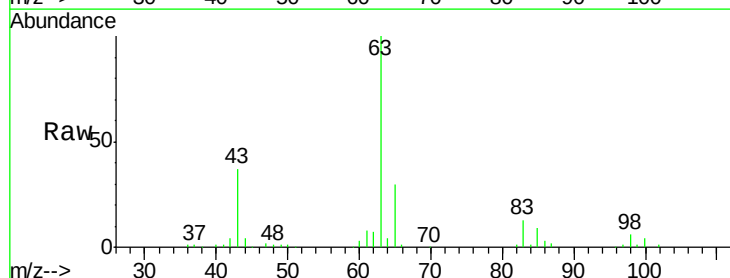
Tgt Ion: 63 Resp: 261959

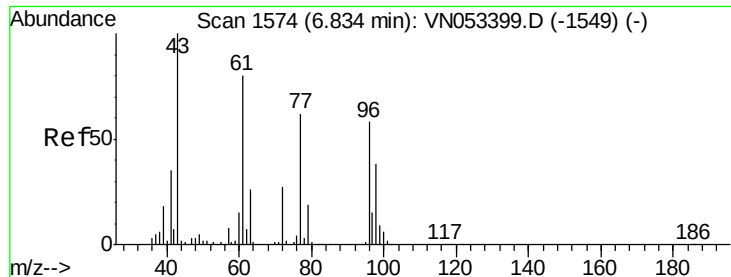
Ion Ratio Lower Upper

63 100

98 5.9 3.3 9.9

100 3.9 2.1 6.5





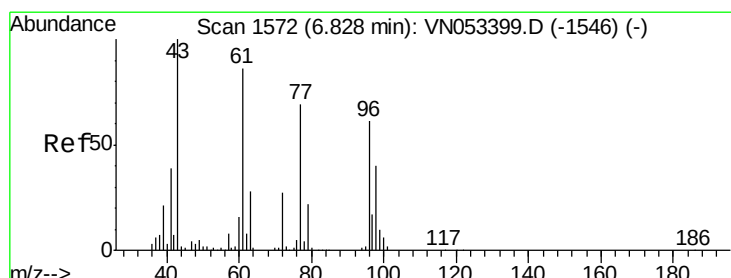
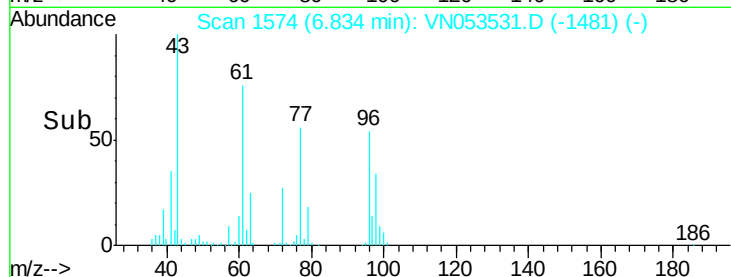
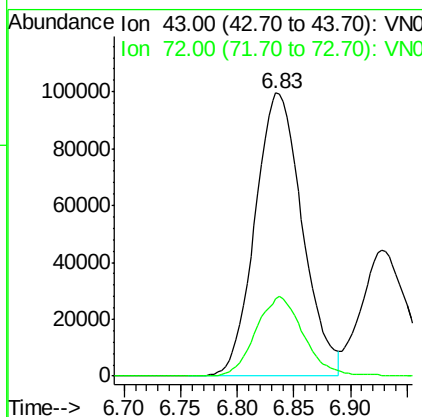
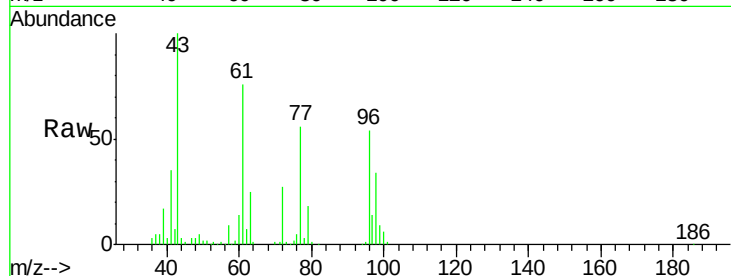
#25
2-Butanone
Concen: 115.905 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion: 43 Resp: 287481
Ion Ratio Lower Upper
43 100
72 27.4 22.0 33.0

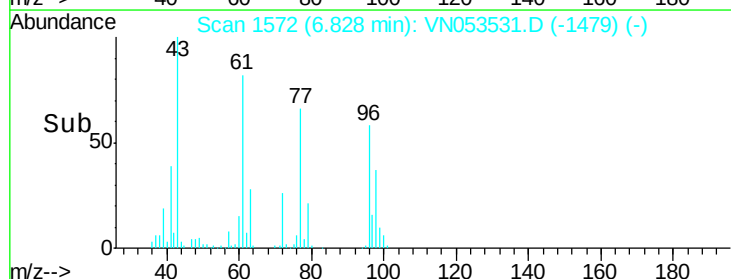
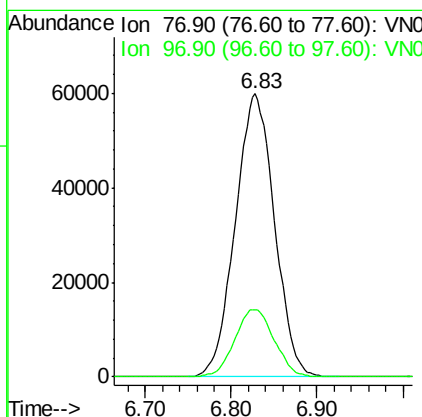
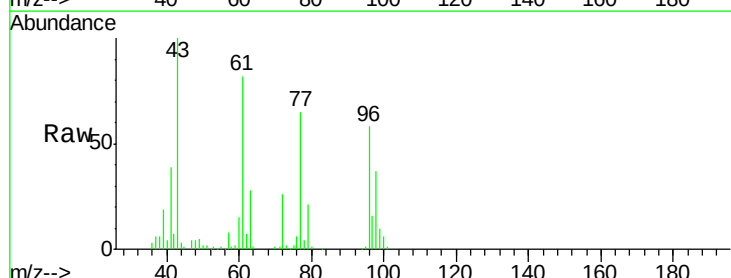
Manual Integrations
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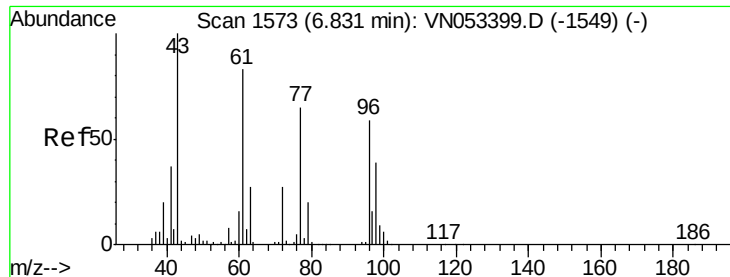
MMDadoda
1/24/2019 11:53:37 AM



#26
2,2-Dichloropropane
Concen: 20.269 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 77 Resp: 189572
Ion Ratio Lower Upper
77 100
97 24.0 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.998 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

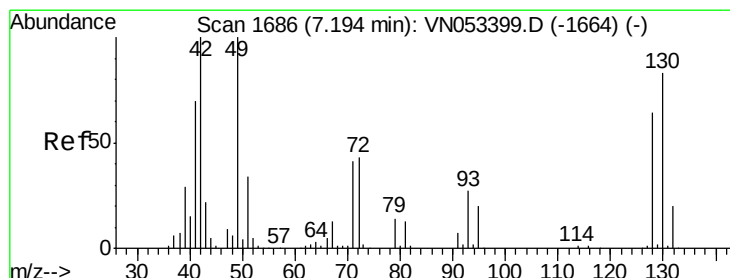
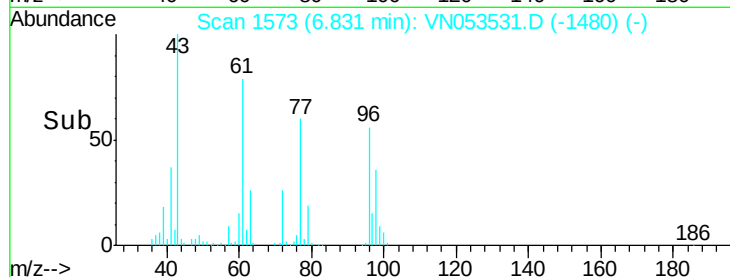
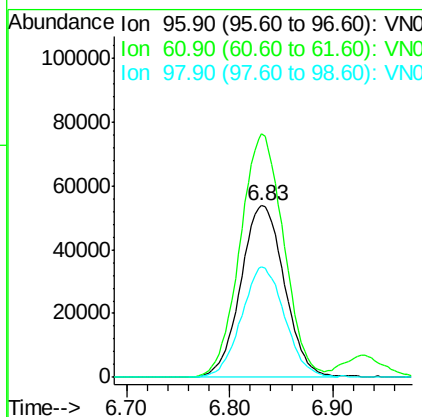
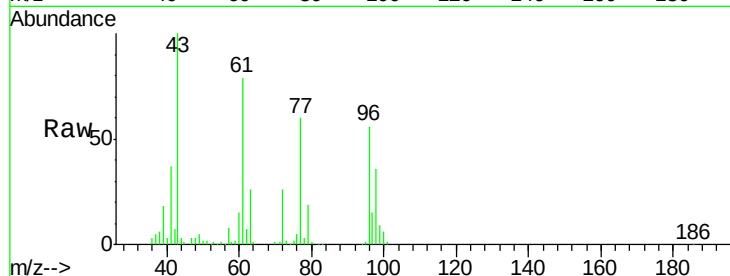
ClientSampleId :

VN0123WBSD01

Tot Ion:	96	Resp:	158635
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.8
98	63.4	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 20.403 ug/l

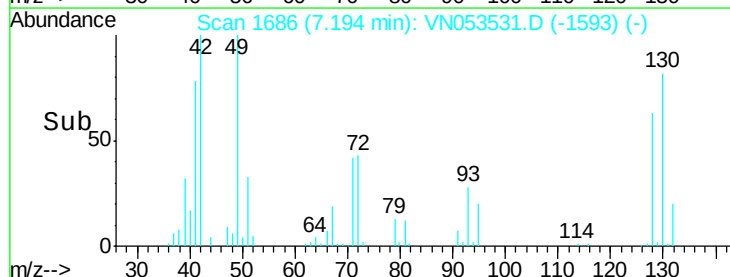
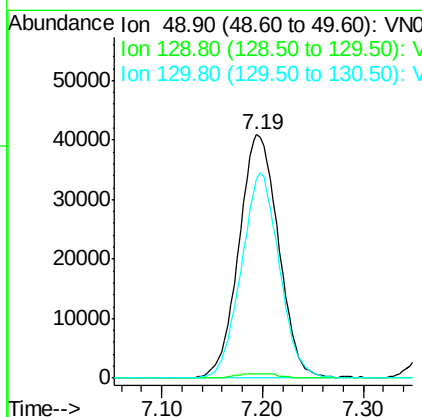
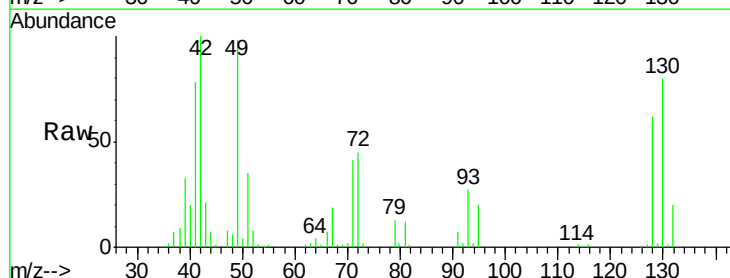
RT: 7.19 min Scan# 1686

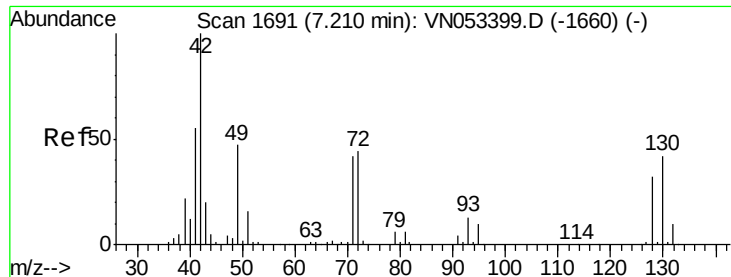
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion:	49	Resp:	111339
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	80.8	66.3	99.5





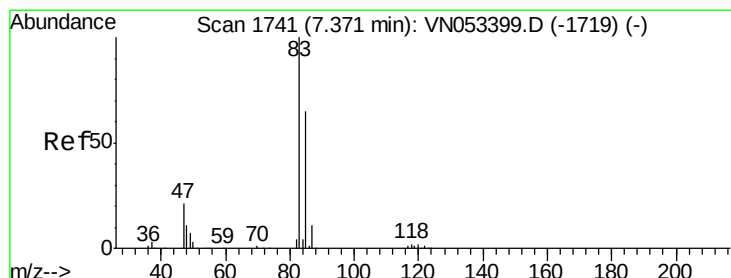
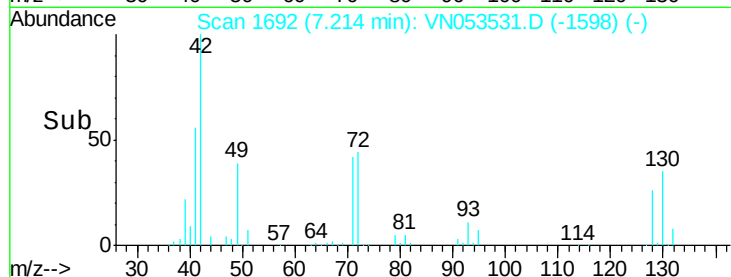
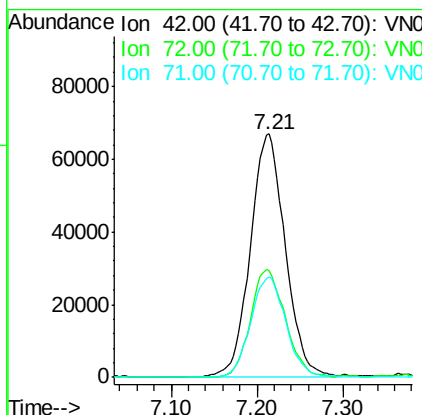
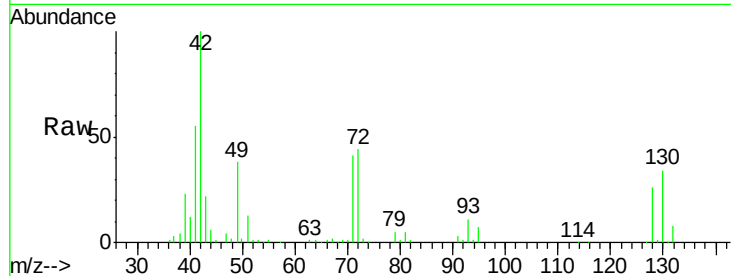
#29
Tetrahydrofuran
Concen: 117.719 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	35.2	52.8
71	41.5	33.0	49.4

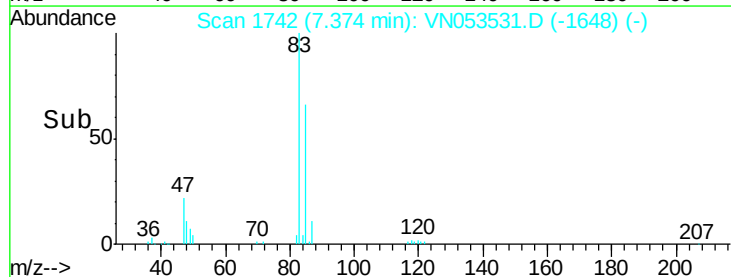
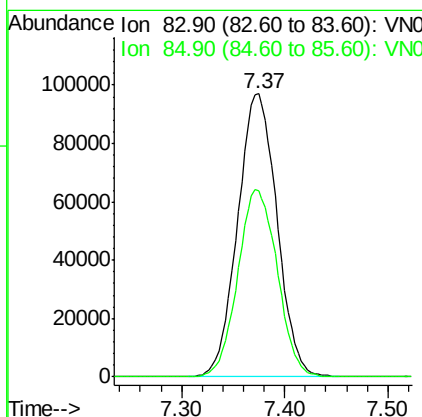
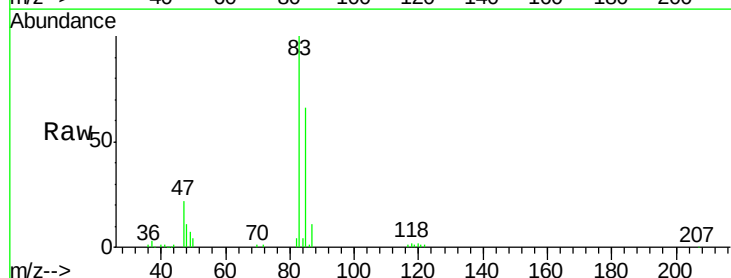
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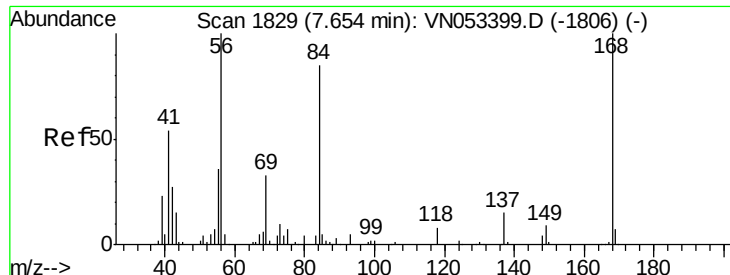
MMDadoda
1/24/2019 11:53:37 AM



#30
Chloroform
Concen: 21.336 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.2





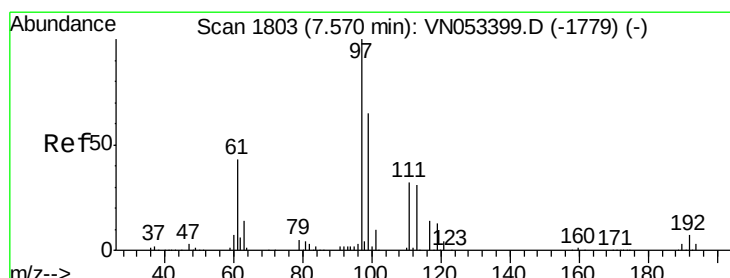
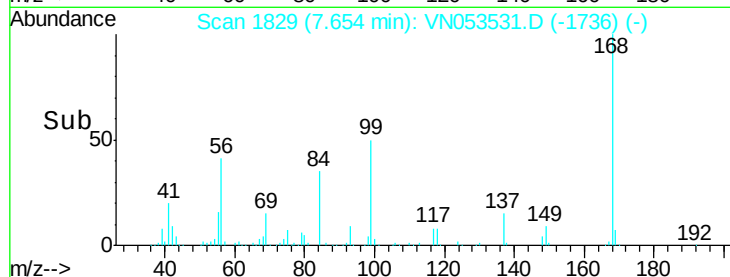
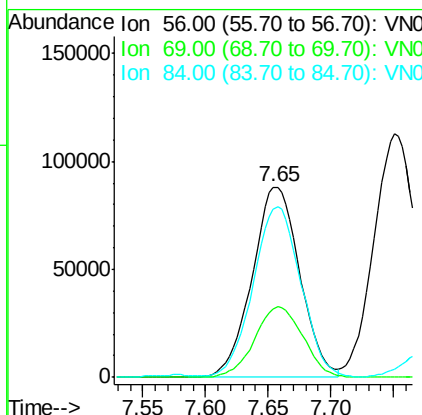
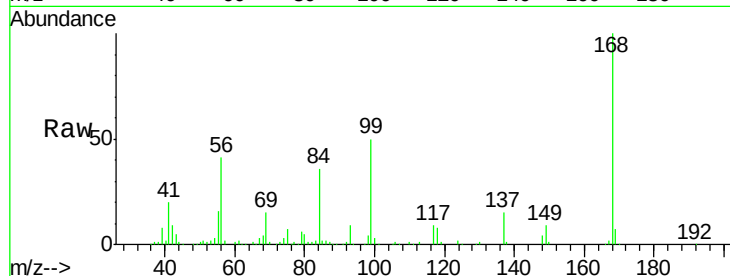
#31
Cyclohexane
Concen: 19.143 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	26.4	39.6
84	87.1	67.9	101.9

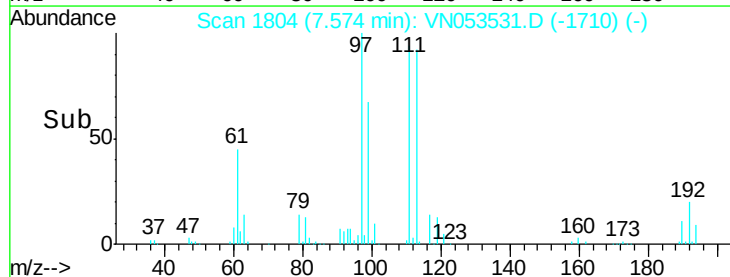
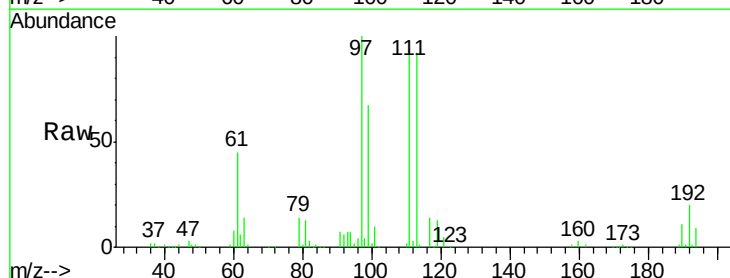
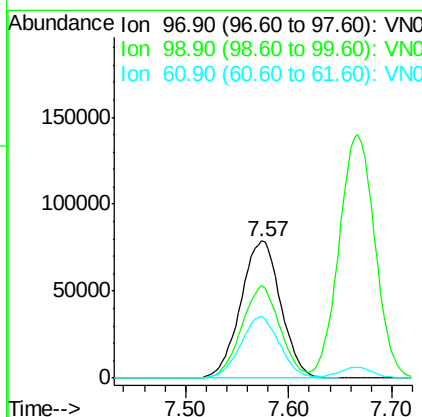
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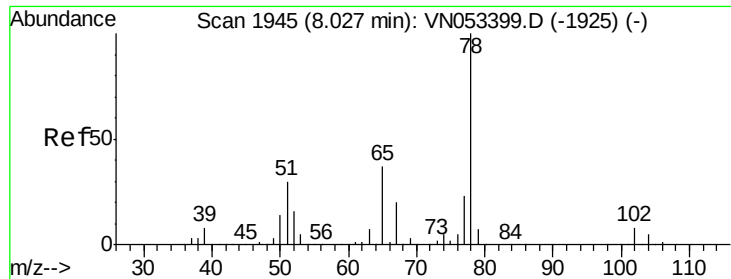
MMDadoda
1/24/2019 11:53:37 AM



#32
1,1,1-Trichloroethane
Concen: 20.766 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.0	78.0
61	43.8	34.4	51.6





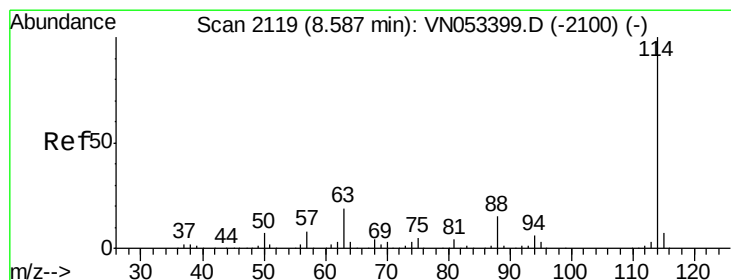
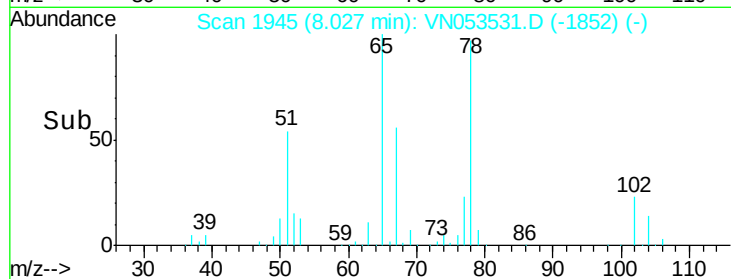
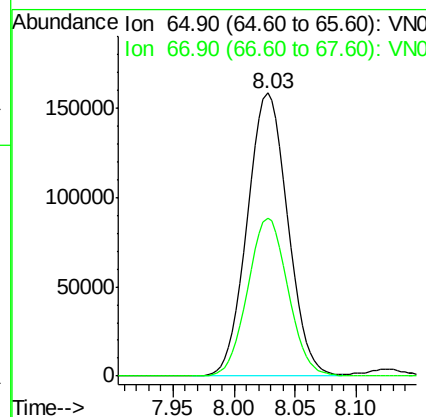
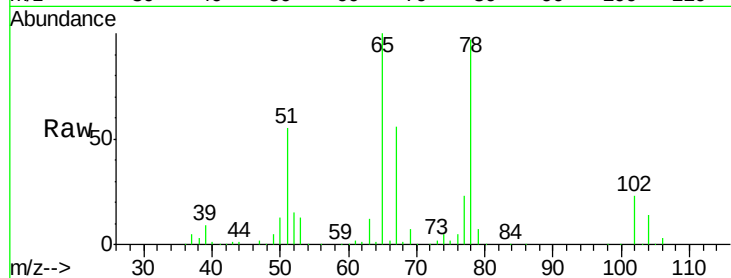
#33
 1,2-Dichloroethane-d4
 Concen: 20.766 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.6	0.0	111.2	

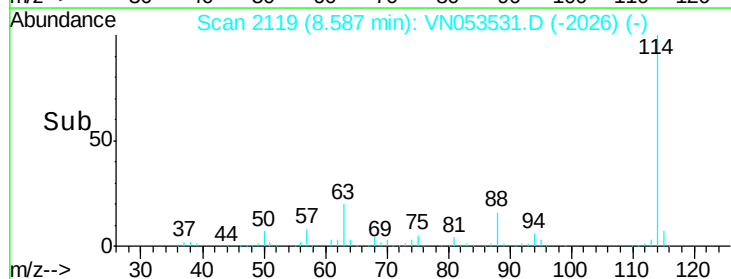
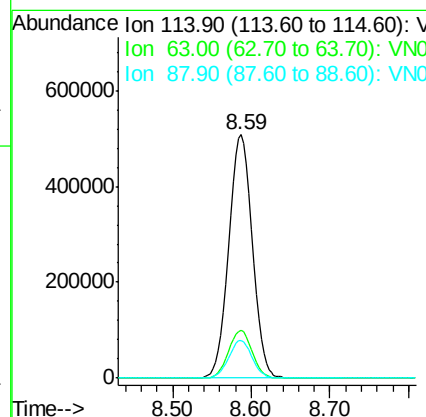
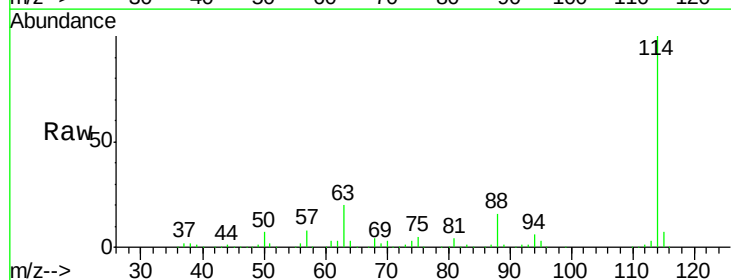
Manual Integrations
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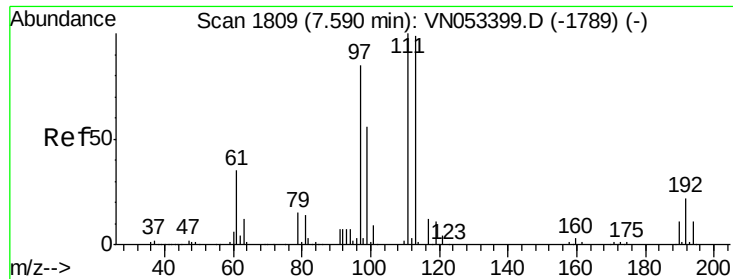
MMDadoda
 1/24/2019 11:53:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.6	
88	15.6	0.0	30.4	





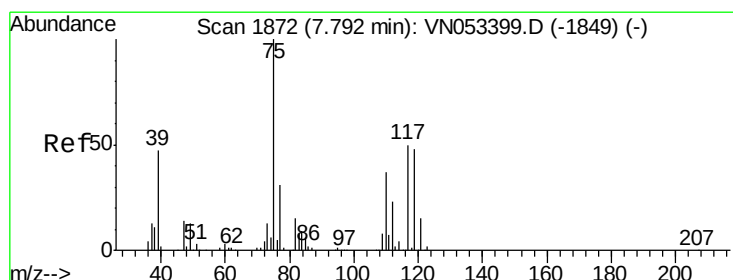
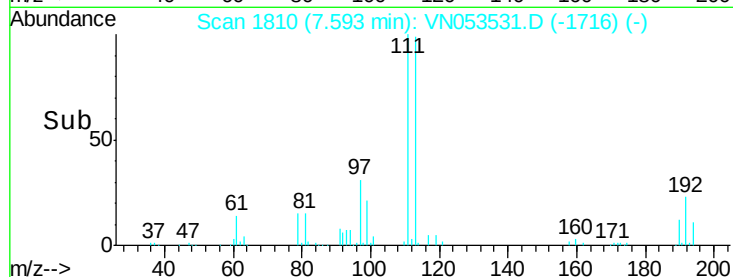
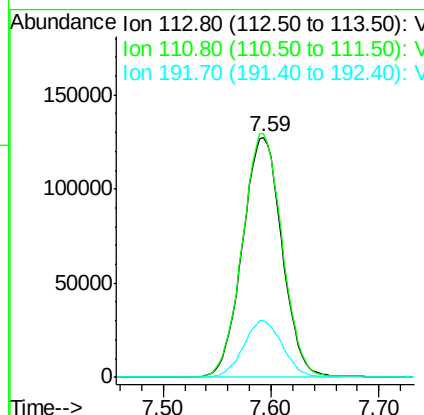
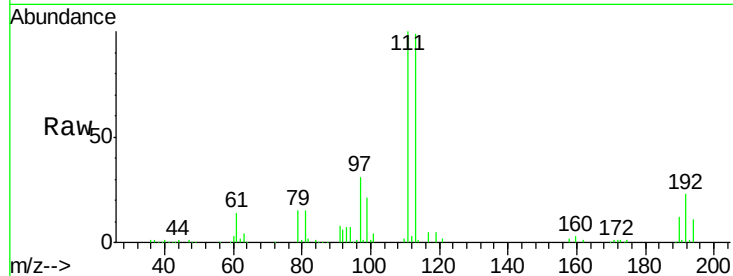
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	325021		
111	101.9	81.1	121.7	
192	23.3	18.2	27.2	

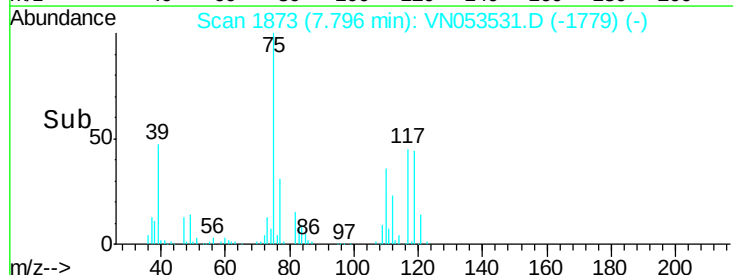
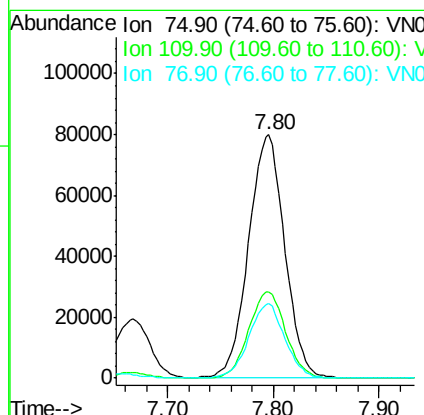
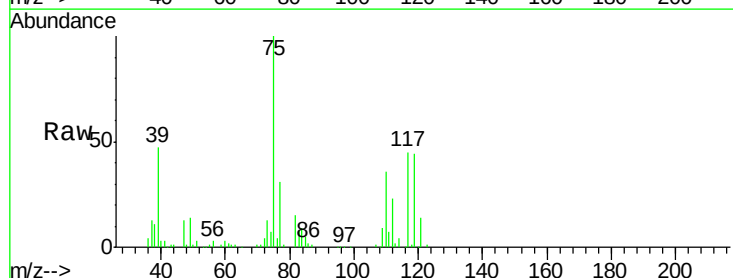
Manual Integrations
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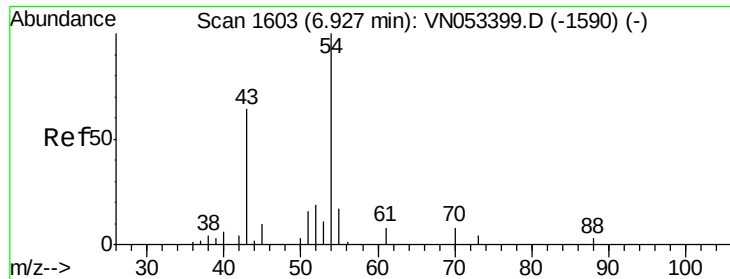
MMDadoda
 1/24/2019 11:53:37 AM



#36
 1,1-Dichloropropene
 Concen: 19.852 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189687		
110	36.3	18.1	54.3	
77	30.8	25.1	37.7	





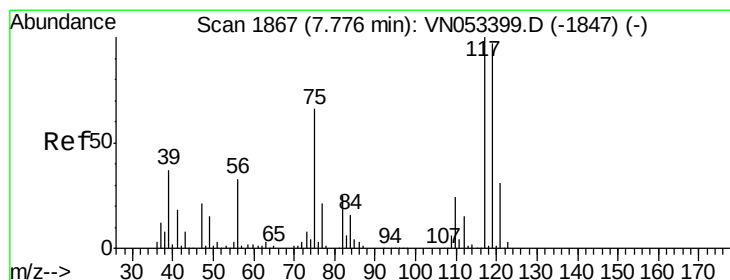
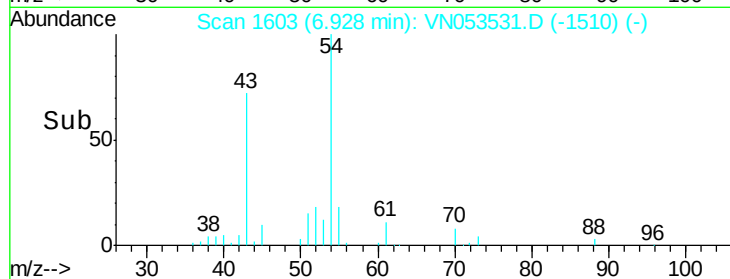
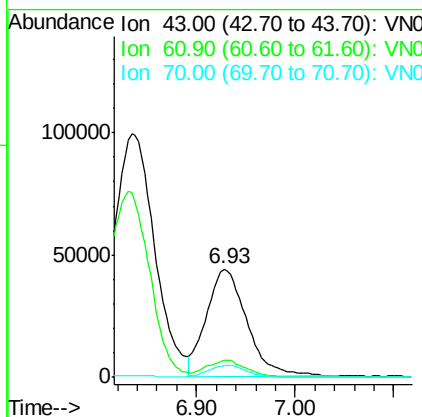
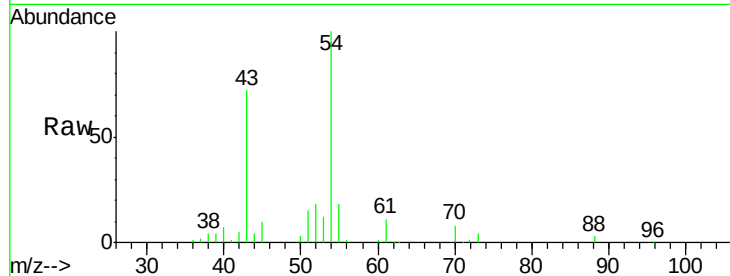
#37
Ethyl Acetate
Concen: 22.802 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.6
70	10.7	8.6	12.8

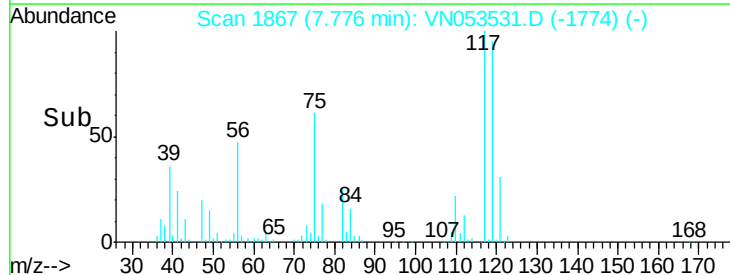
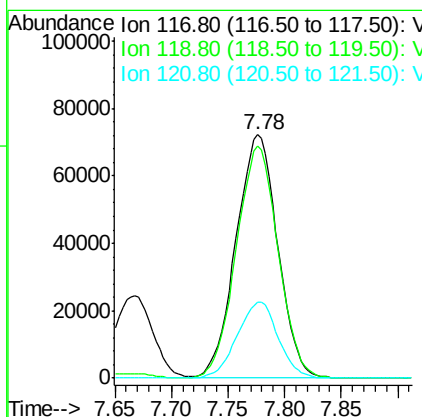
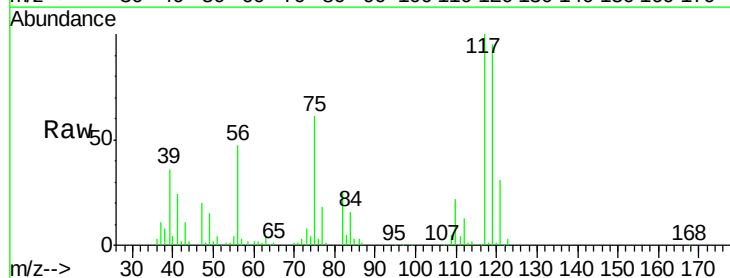
Manual Integrations
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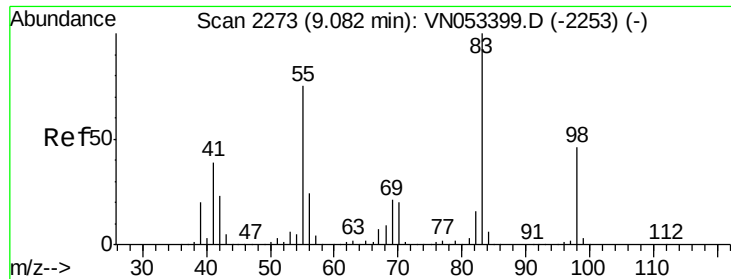
MMDadoda
1/24/2019 11:53:37 AM



#38
Carbon Tetrachloride
Concen: 20.377 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.2	115.8
121	31.1	24.6	37.0





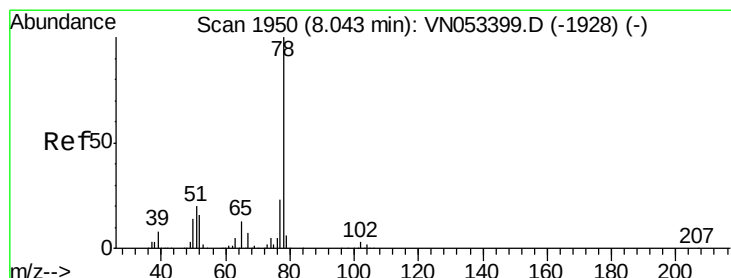
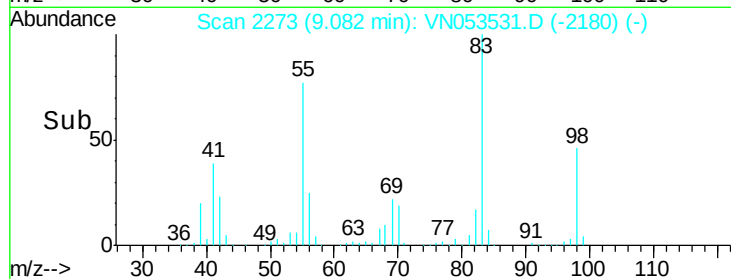
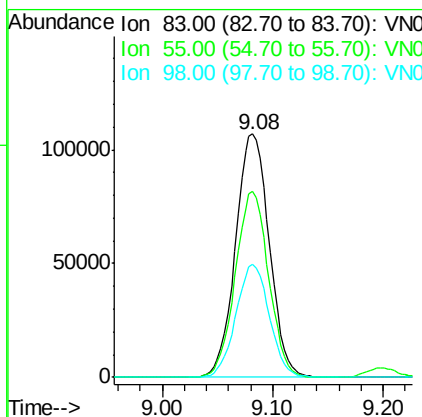
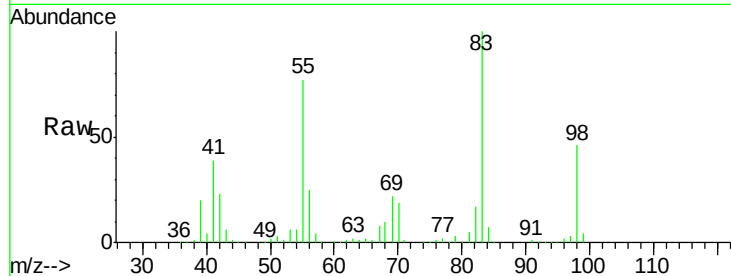
#39
Methylvlcyclohexane
Concen: 19.170 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	60.1	90.1
98	46.3	36.6	55.0

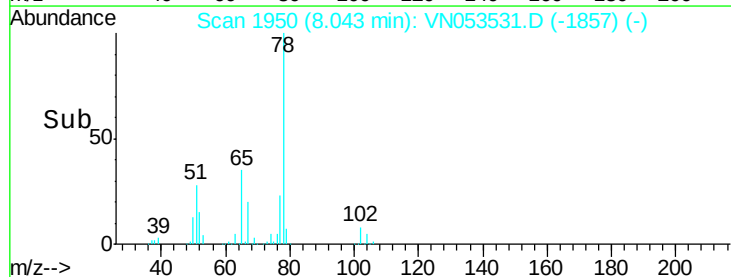
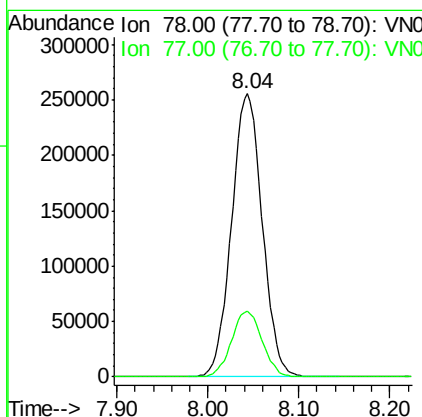
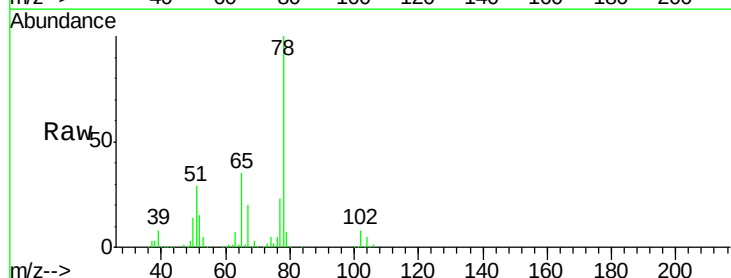
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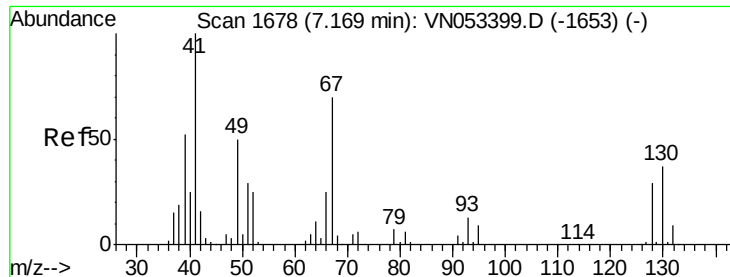
MMDadoda
1/24/2019 11:53:37 AM



#40
Benzene
Concen: 20.603 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





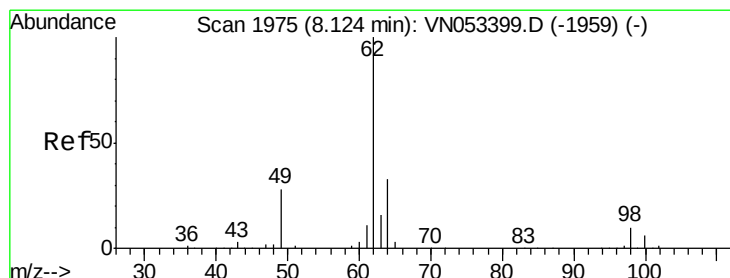
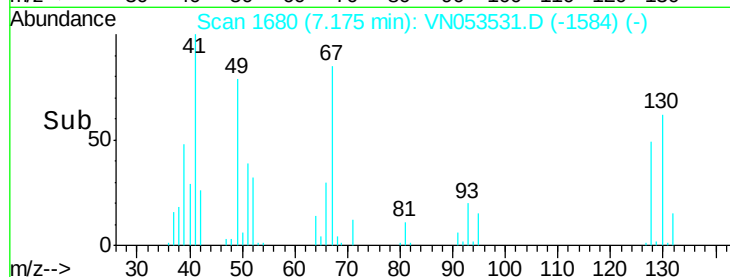
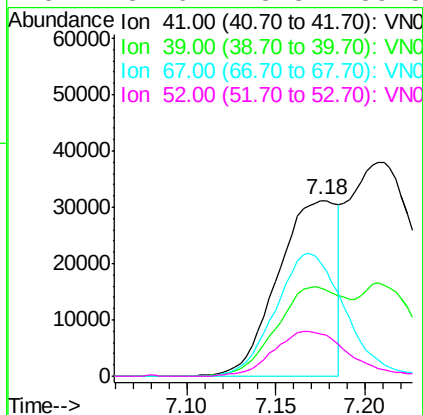
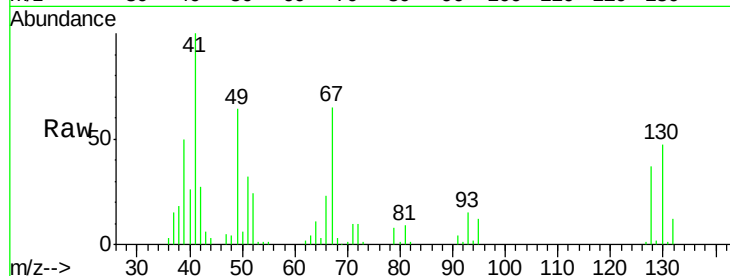
#41
Methacrylonitrile
Concen: 22.488 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion:	41	Resp:	72242
Ion	Ratio	Lower	Upper
41	100		
39	61.6	46.8	70.2
67	81.9	63.0	94.6
52	32.6	23.8	35.8

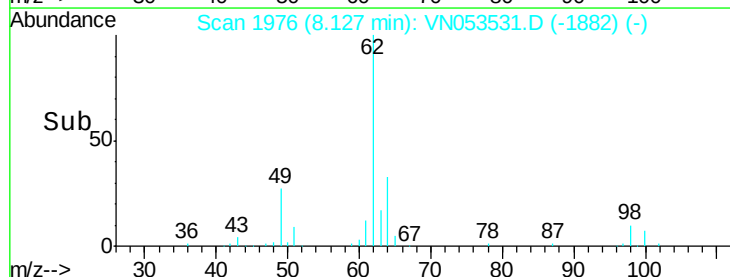
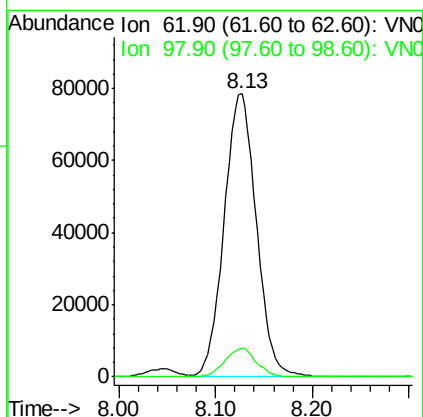
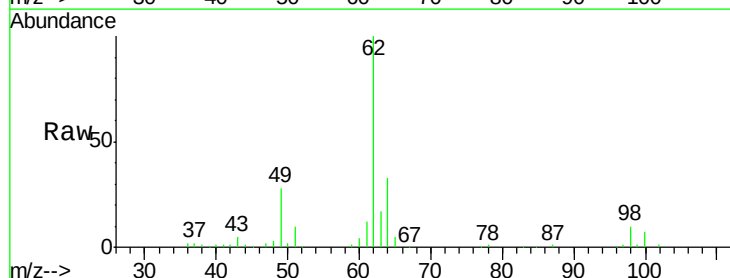
Manual Integrations
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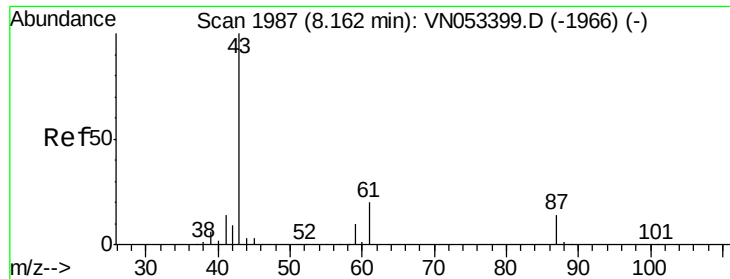
MMDadoda
1/24/2019 11:53:37 AM



#42
1,2-Dichloroethane
Concen: 21.514 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:	62	Resp:	181988
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

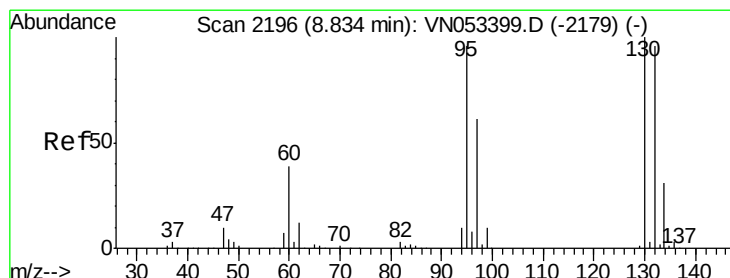
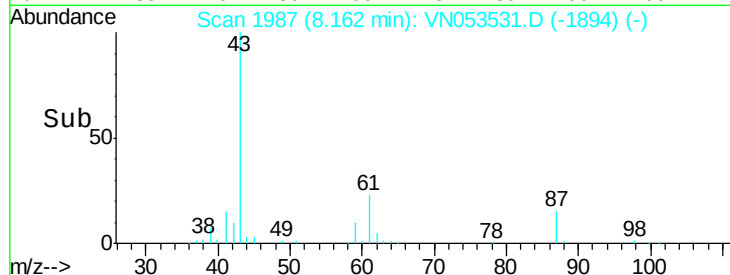
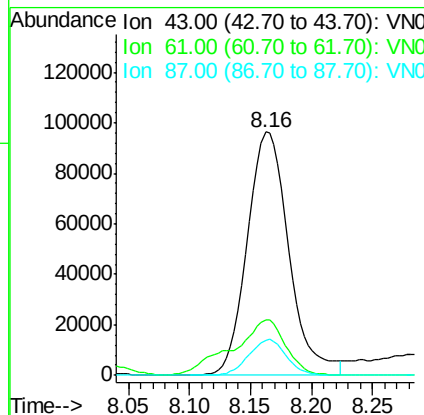
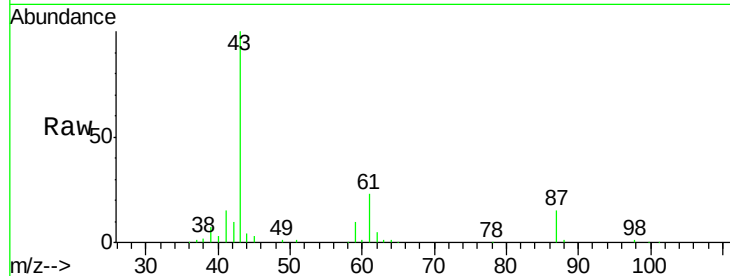
Isopropyl Acetate
 Concen: 22.891 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.9	35.9
87	13.3	11.0	16.6

Manual Integrations
 APPROVED

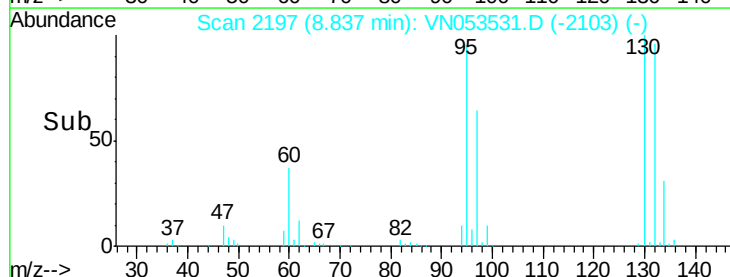
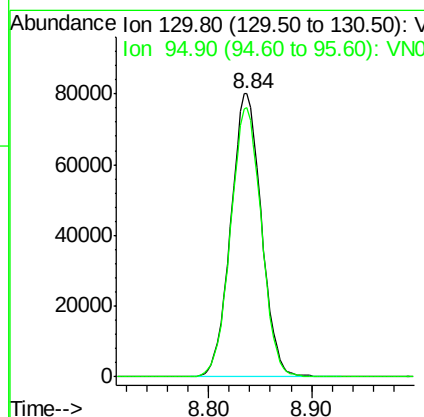
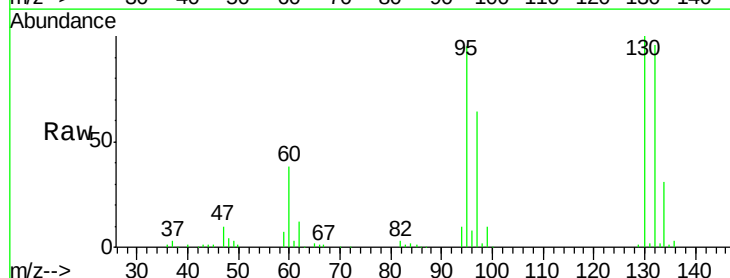
MMDadoda
 1/24/2019 11:53:37 AM

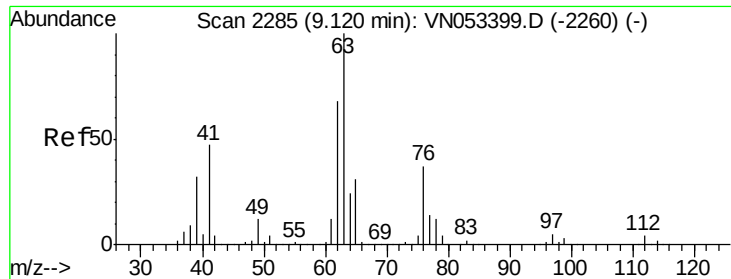


#44

Trichloroethene
 Concen: 20.512 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.4





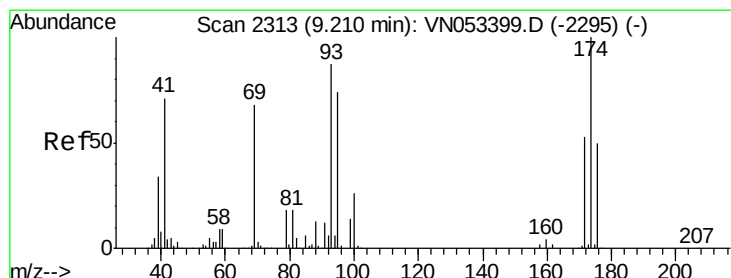
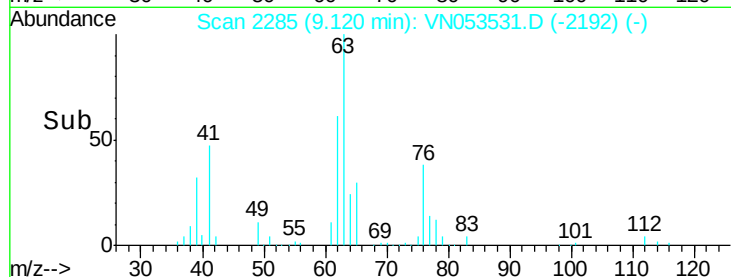
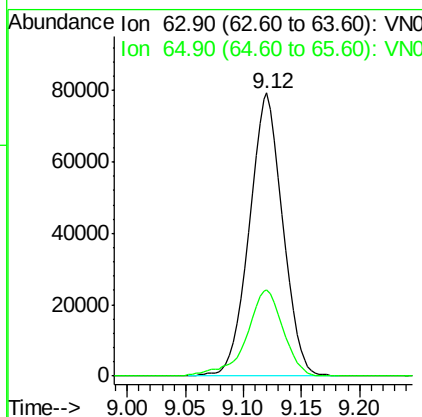
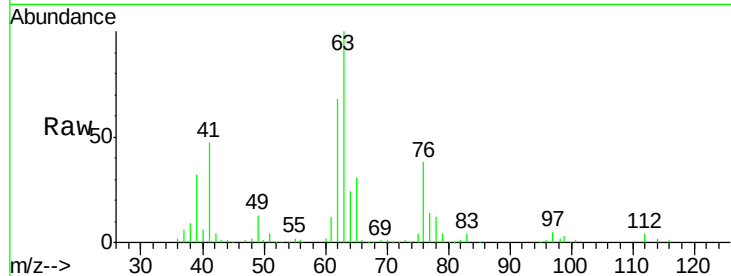
#45
 1,2-Dichloropropane
 Concen: 20.753 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion: 63 Resp: 159608
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

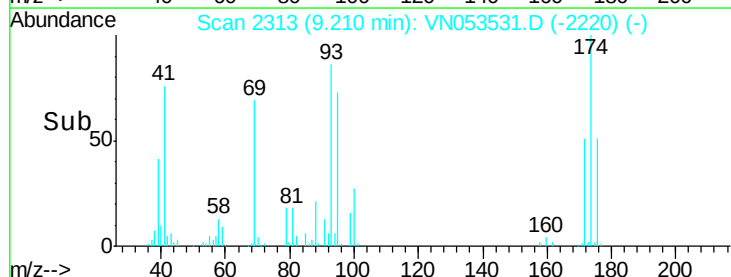
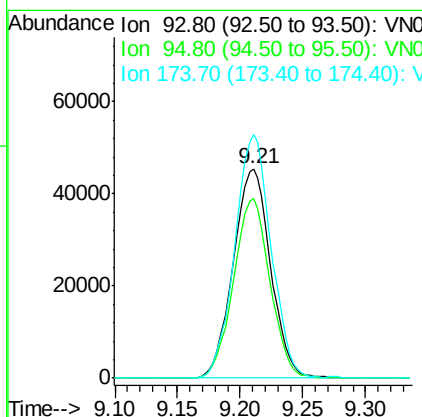
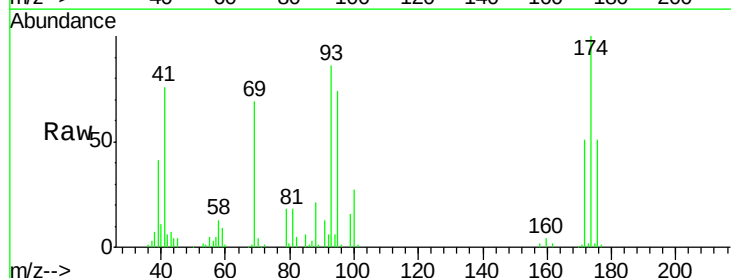
Manual Integrations
 APPROVED

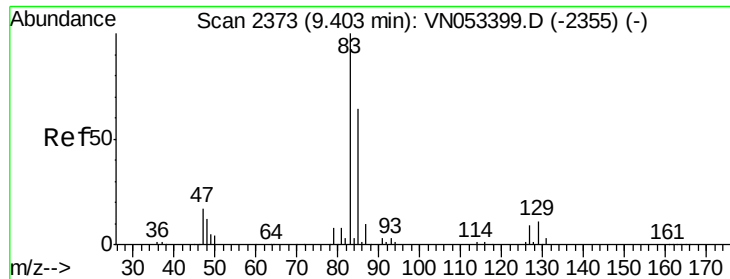
MMDadoda
 1/24/2019 11:53:37 AM



#46
 Dibromomethane
 Concen: 21.248 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion: 93 Resp: 93888
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.3 100.9
 174 113.1 91.0 136.4





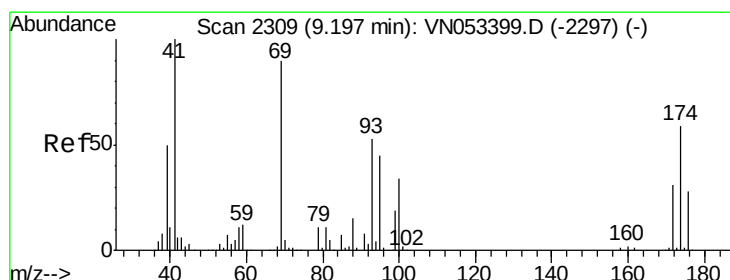
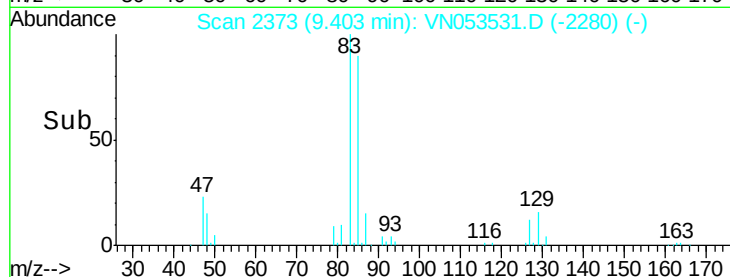
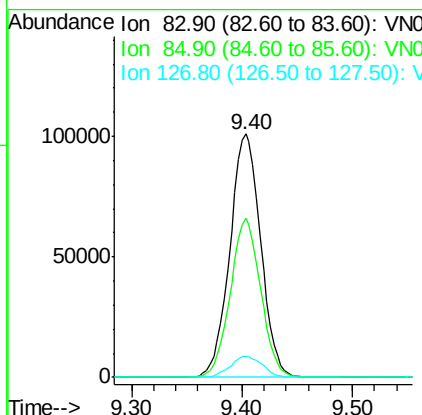
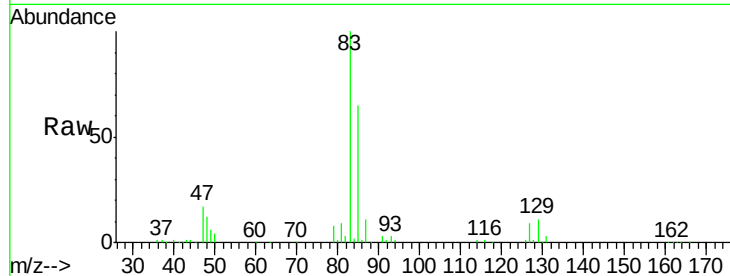
#47
Bromodichloromethane
Concen: 21.065 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	83	Resp	195740
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.0	76.6
127	8.8	7.0	10.6

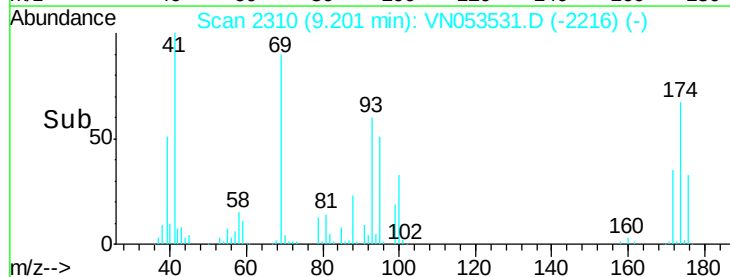
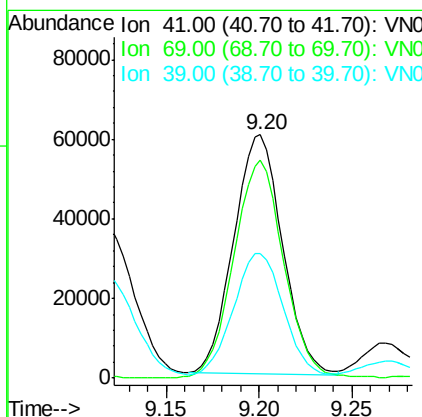
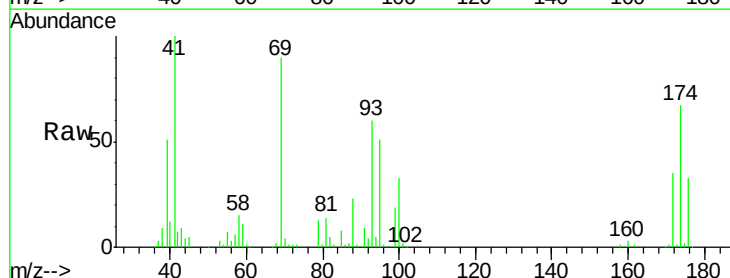
Manual Integrations
APPROVED

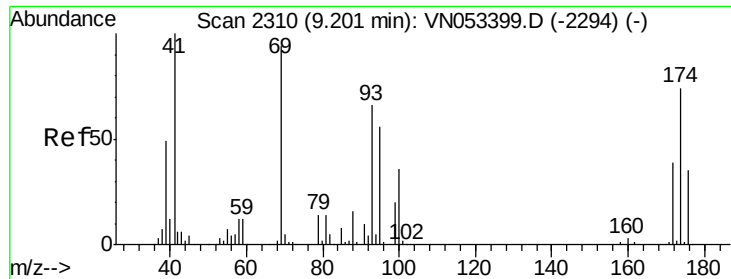
MMDadoda
1/24/2019 11:53:37 AM



#48
Methyl methacrylate
Concen: 21.578 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	41	Resp	110128
Ion Ratio	100	Lower	Upper
41	100		
69	93.5	73.8	110.6
39	53.6	40.0	60.0





#49

1,4-Dioxane

Concen: 604.646 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion: 88 Resp: 30138

Ion Ratio Lower Upper

88 100

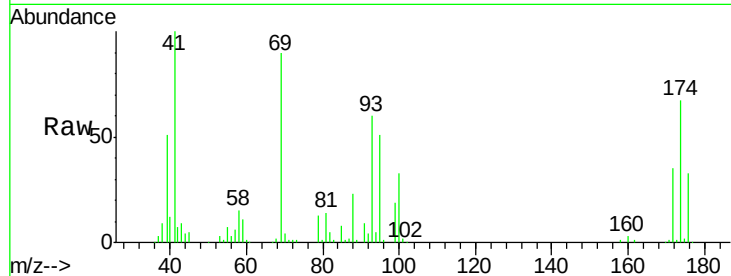
43 31.3 27.8 41.6

58 68.1 56.5 84.7

Manual Integrations
APPROVED

MMDadoda

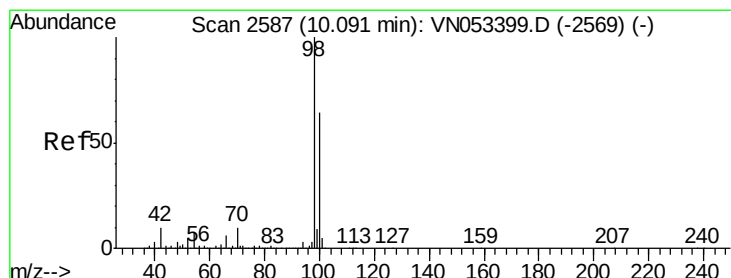
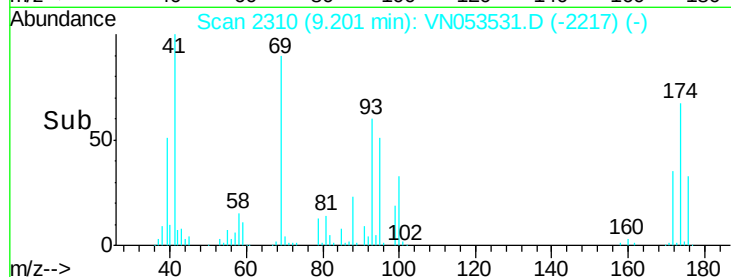
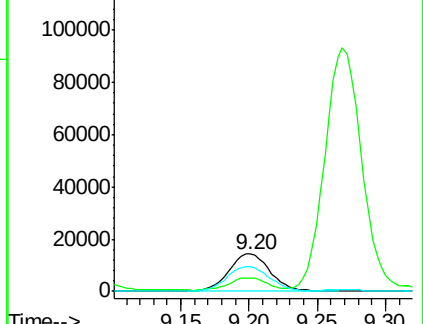
1/24/2019 11:53:37 AM



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 604.646 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053531.D

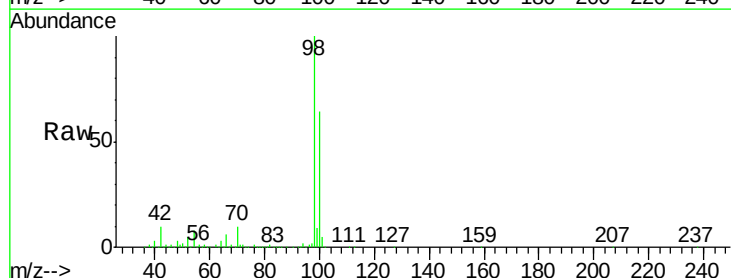
Acq: 23 Jan 2019 12:16

Tgt Ion: 98 Resp: 1287625

Ion Ratio Lower Upper

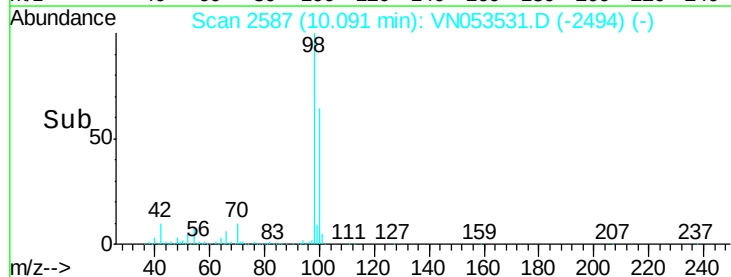
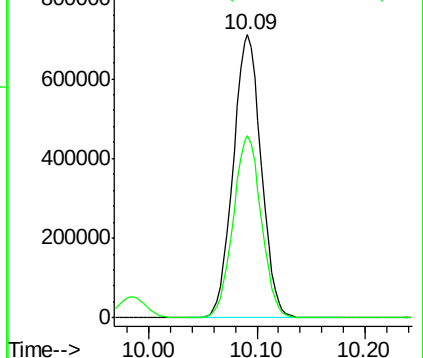
98 100

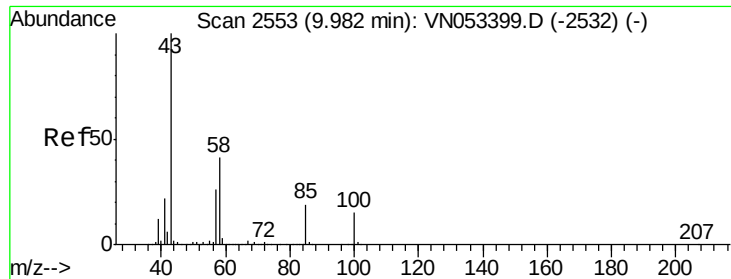
100 64.4 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)





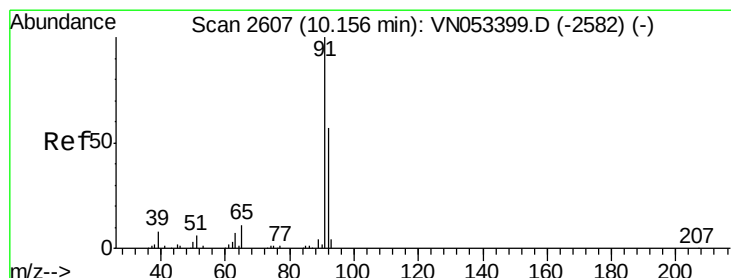
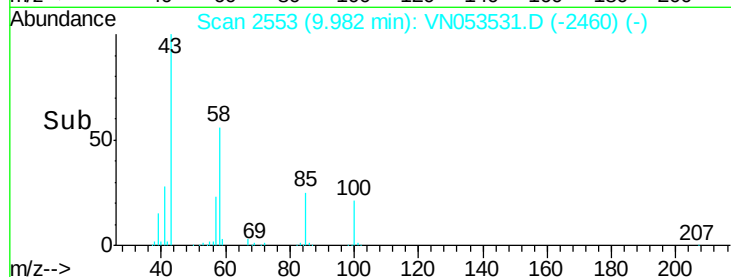
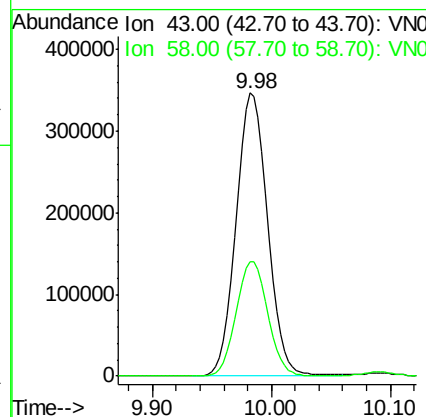
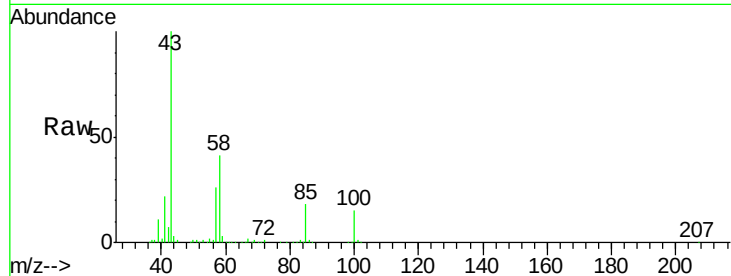
#51
4-Methyl-2-Pentanone
Concen: 117.482 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.8	49.2

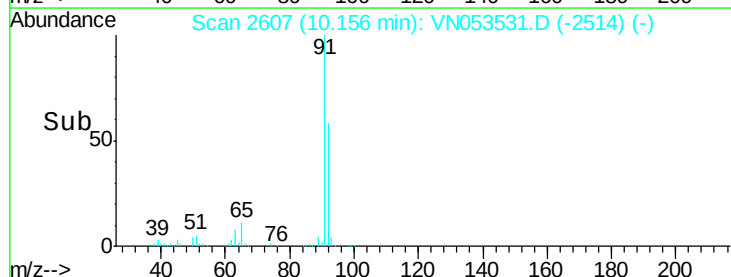
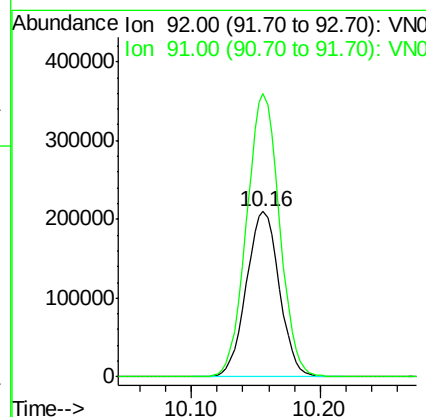
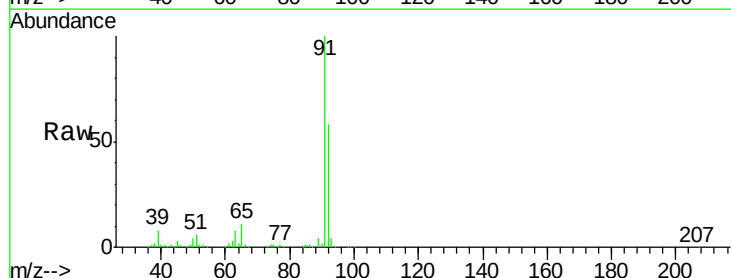
Manual Integrations
APPROVED

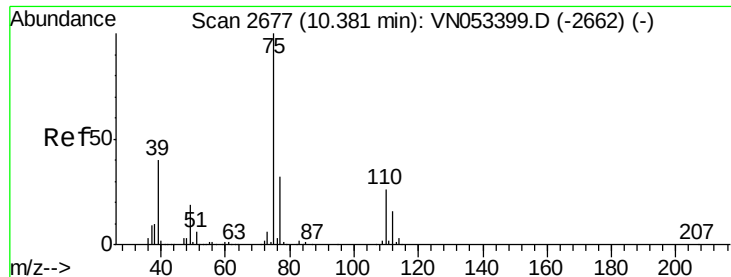
MMDadoda
1/24/2019 11:53:37 AM



#52
Toluene
Concen: 20.747 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	139.9	209.9





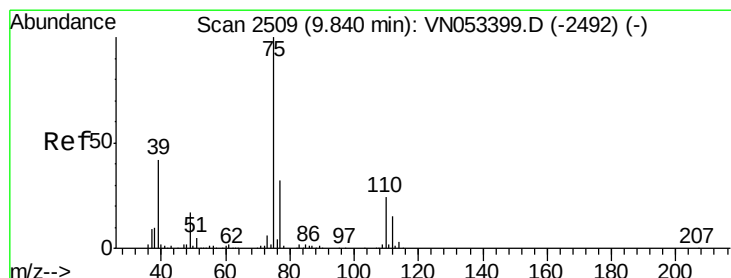
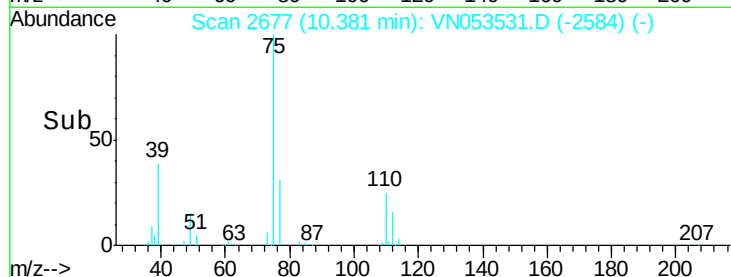
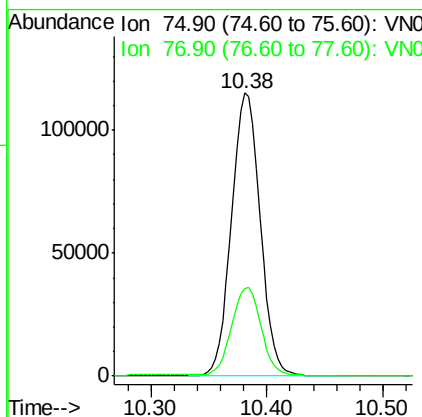
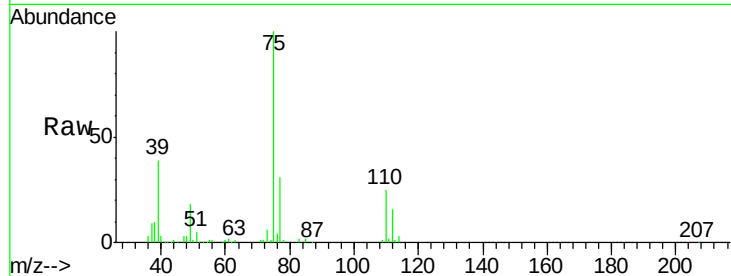
#53
t-1,3-Dichloropropene
Concen: 20.954 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

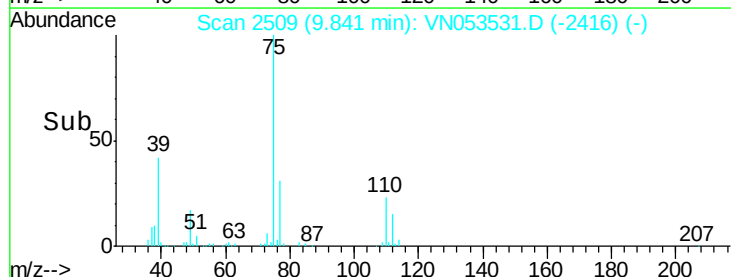
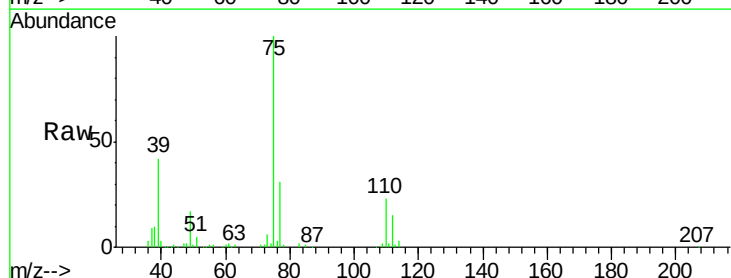
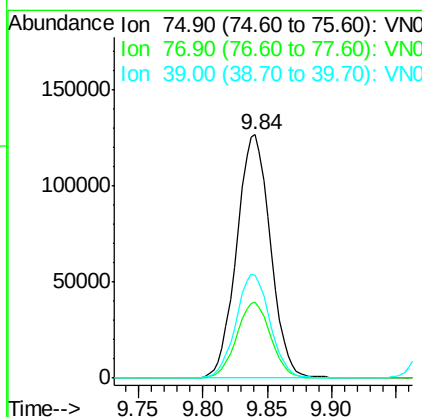
Manual Integrations
APPROVED

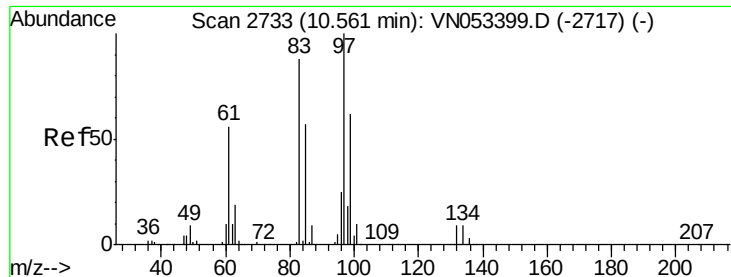
MMDadoda
1/24/2019 11:53:37 AM



#54
cis-1,3-Dichloropropene
Concen: 20.879 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.8	38.6
39	42.3	33.4	50.0





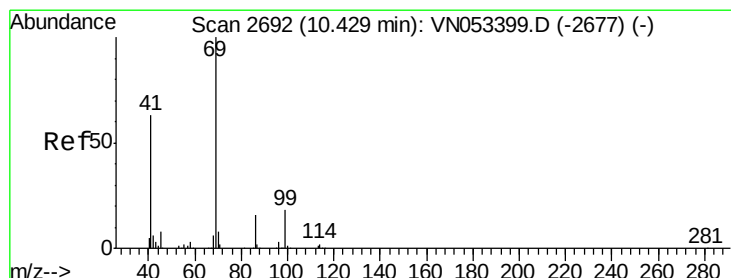
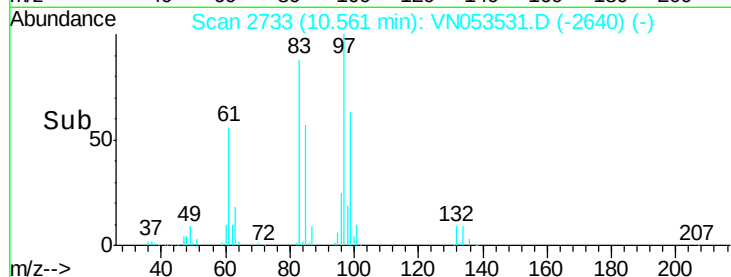
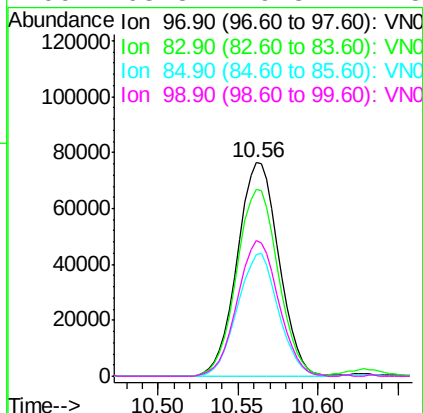
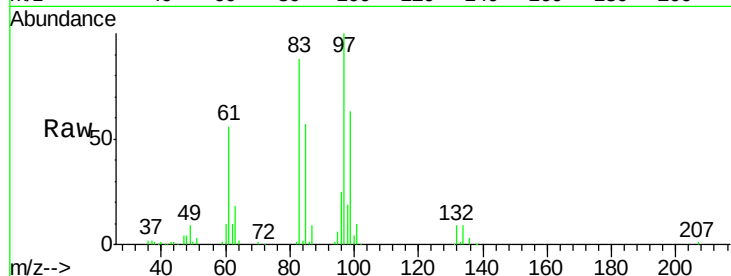
#55
 1,1,2-Trichloroethane
 Concen: 21.922 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136240		
83	87.6	70.1	105.1		
85	56.9	45.4	68.0		
99	63.3	49.8	74.8		

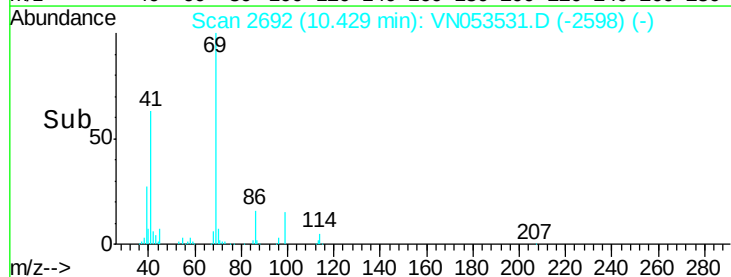
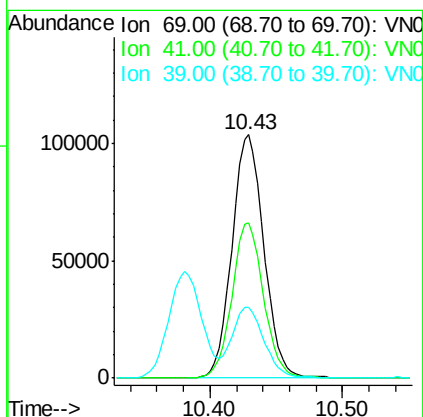
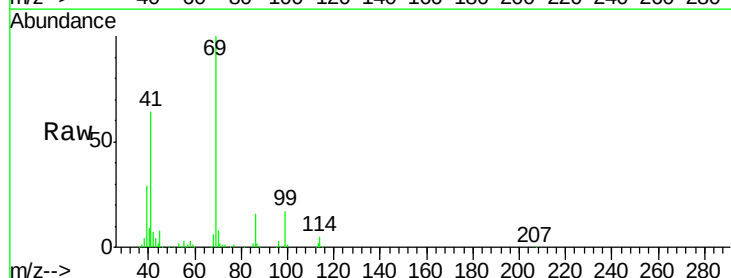
Manual Integrations
 APPROVED

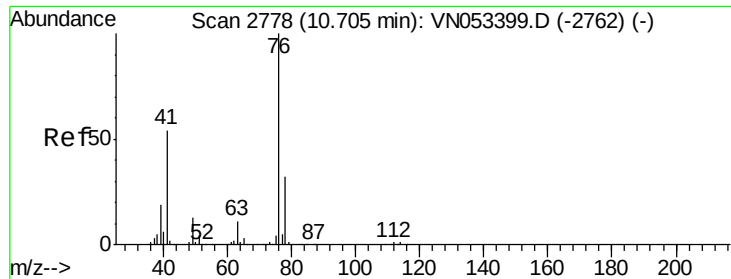
MMDadoda
 1/24/2019 11:53:37 AM



#56
 Ethyl methacrylate
 Concen: 20.898 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		173302		
41	61.9	49.4	74.0		
39	29.2	23.3	34.9		





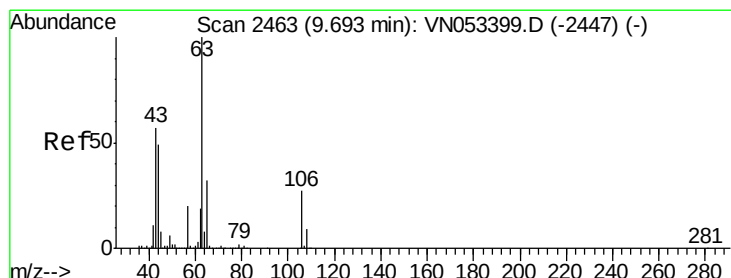
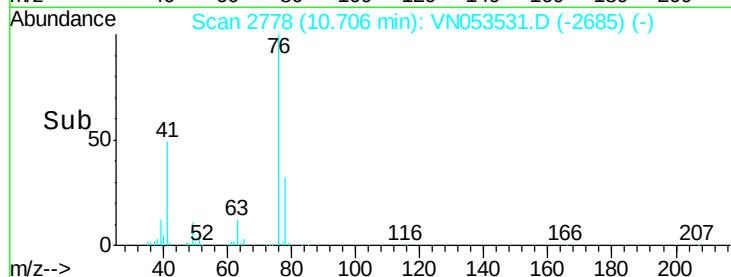
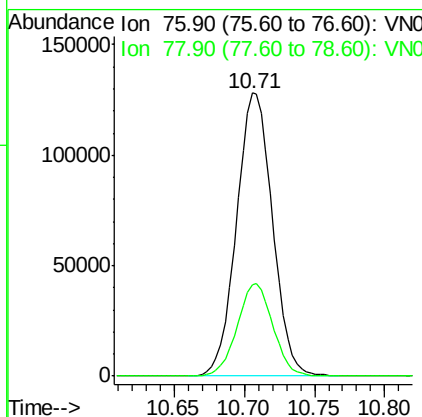
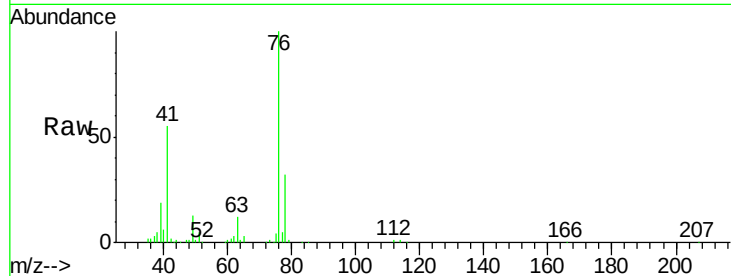
#57
 1,3-Dichloropropane
 Concen: 21.336 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.6	38.4

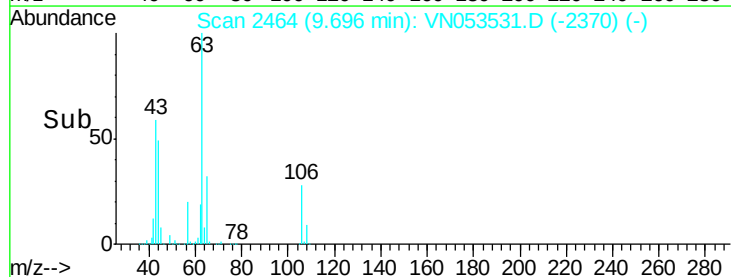
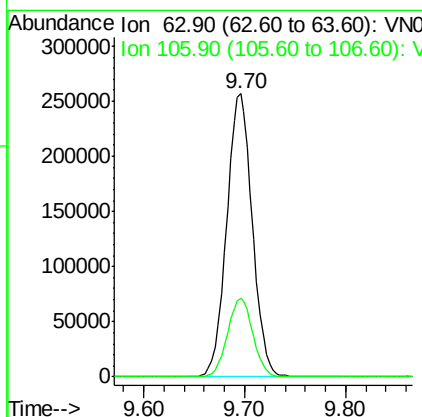
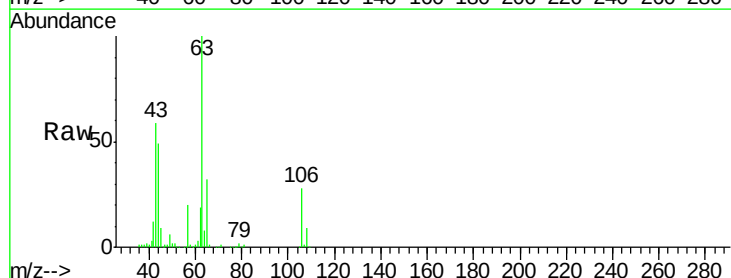
Manual Integrations
 APPROVED

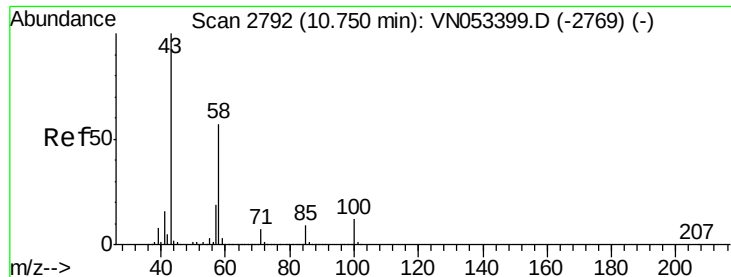
MMDadoda
 1/24/2019 11:53:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.579 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.5	32.3





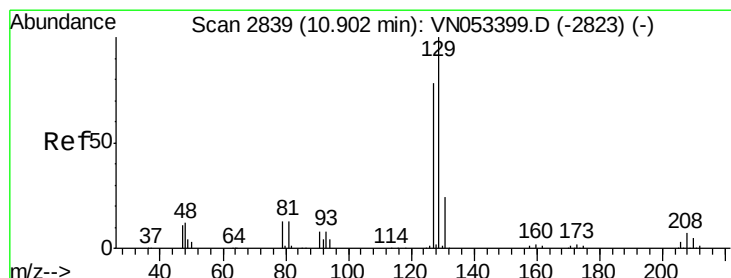
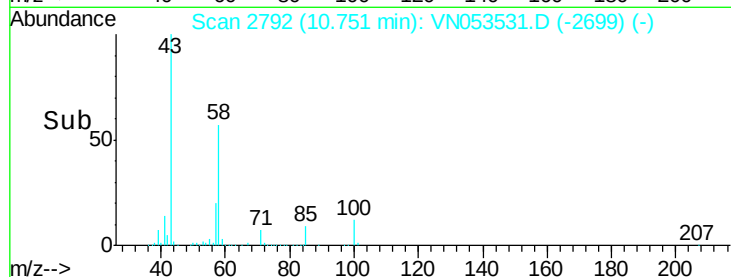
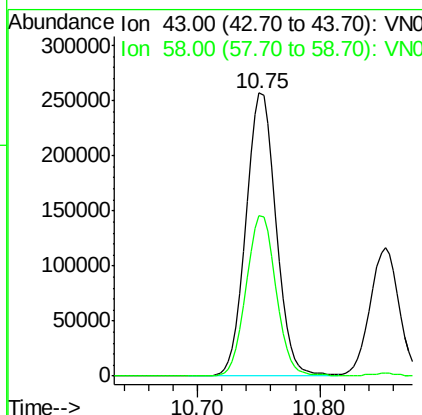
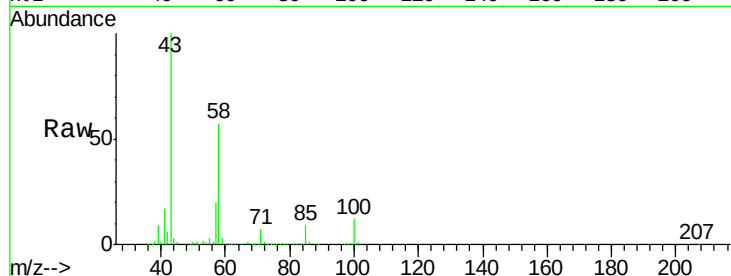
#59
2-Hexanone
Concen: 114.590 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion: 43 Resp: 434060
Ion Ratio Lower Upper
43 100
58 56.6 28.6 85.8

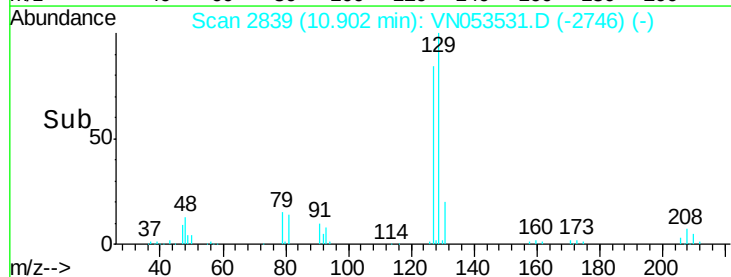
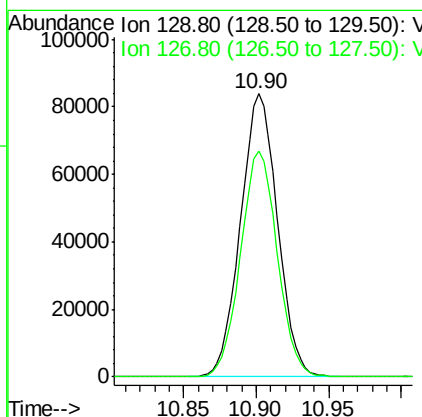
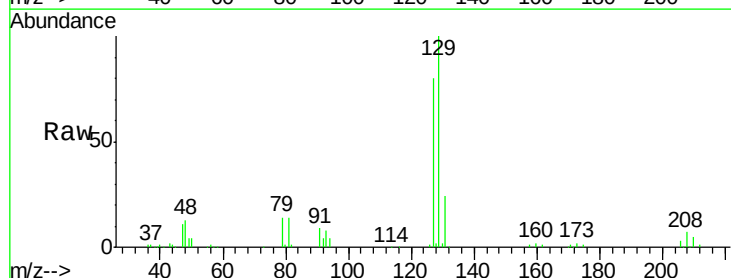
Manual Integrations
APPROVED

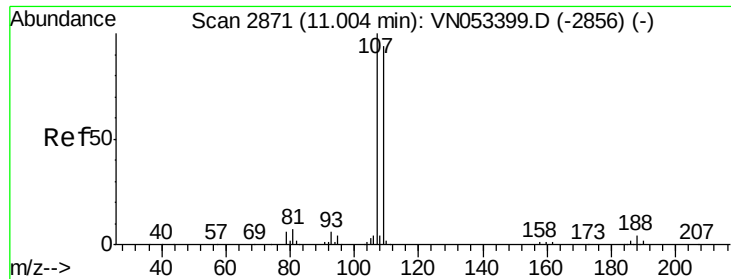
MMDadoda
1/24/2019 11:53:37 AM



#60
Dibromochloromethane
Concen: 21.134 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 129 Resp: 148967
Ion Ratio Lower Upper
129 100
127 79.2 38.6 115.8





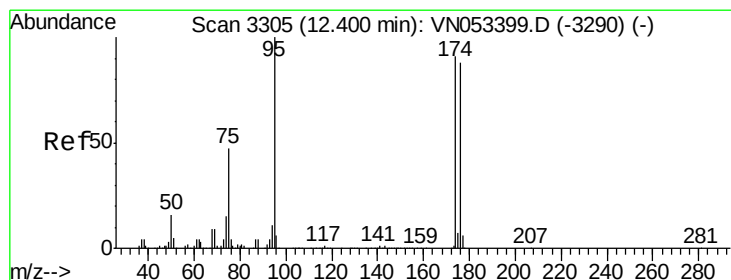
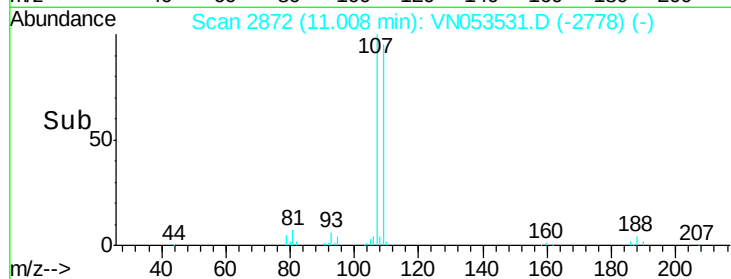
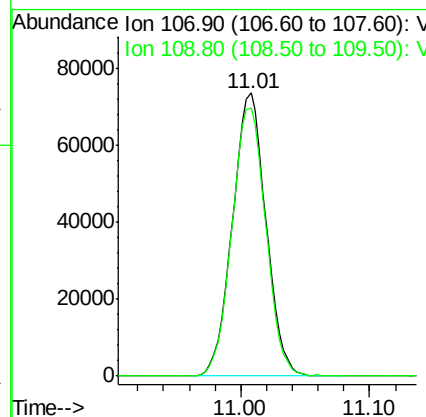
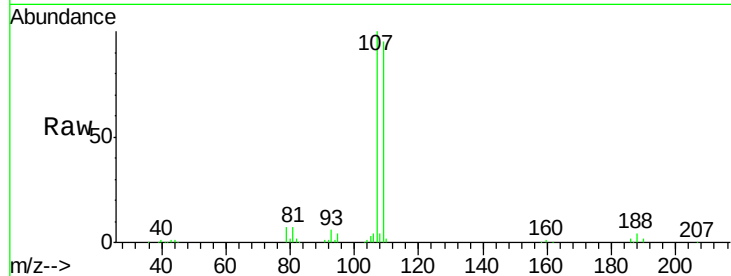
#61
 1,2-Dibromoethane
 Concen: 21.082 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	75.7	113.5

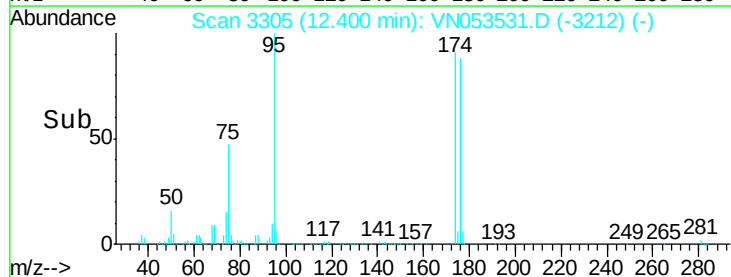
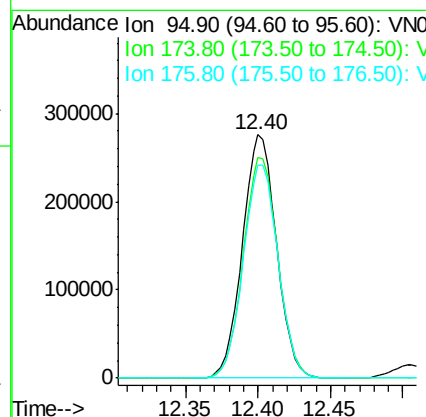
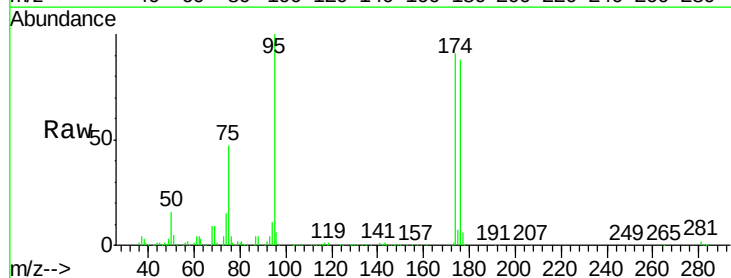
Manual Integrations
 APPROVED

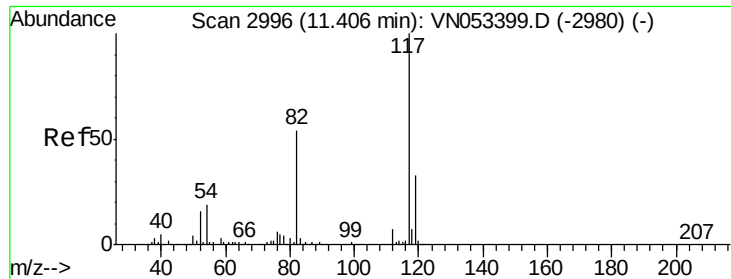
MMDadoda
 1/24/2019 11:53:37 AM



#62
 4-Bromofluorobenzene
 Concen: 21.082 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	183.2
176	89.5	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: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

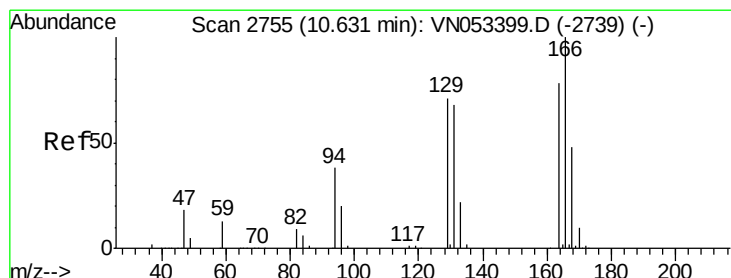
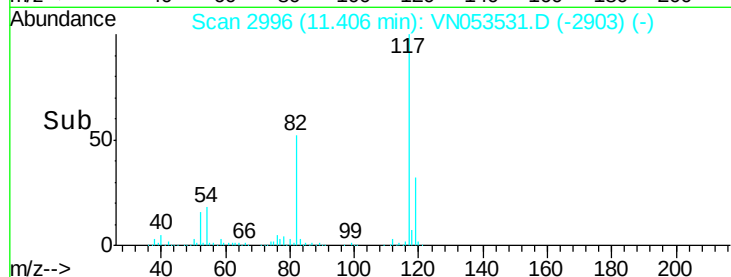
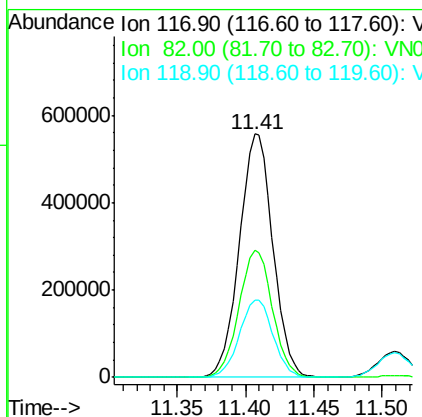
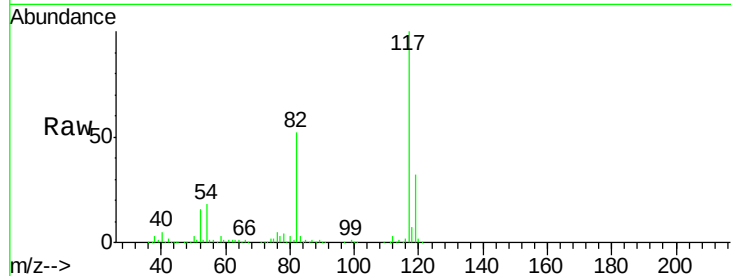
ClientSampled :

VN0123WBSD01

Tot Ion:	117	Resp:	949647
Ion Ratio	Lower	Upper	
117	100		
82	52.2	42.9	64.3
119	31.7	26.0	39.0

Manual Integrations
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1/24/2019 11:53:37 AM



#64

Tetrachloroethene

Concen: 20.545 ug/l

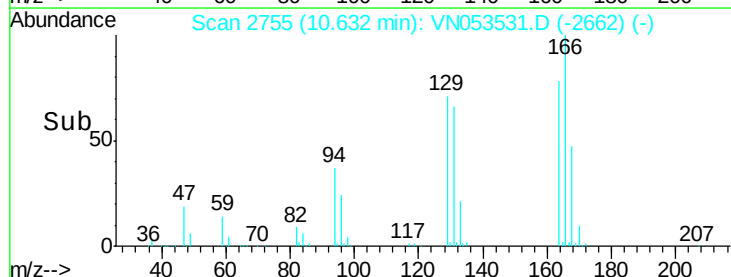
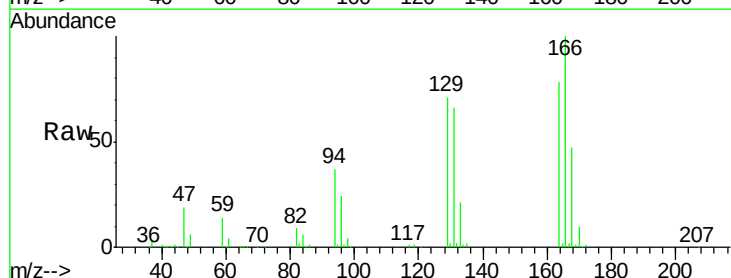
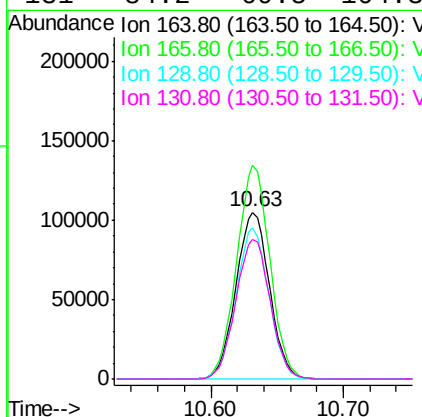
RT: 10.63 min Scan# 2755

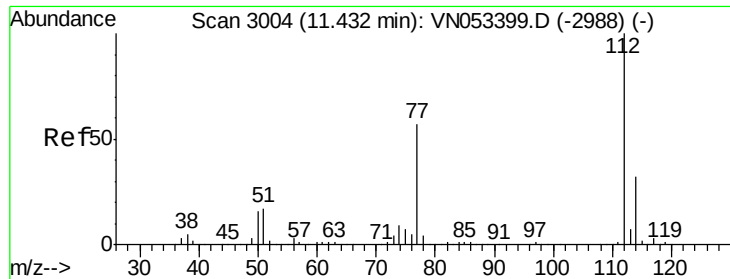
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion:	164	Resp:	183862
Ion Ratio	Lower	Upper	
164	100		
166	128.3	102.2	153.4
129	90.9	72.6	109.0
131	84.2	69.5	104.3





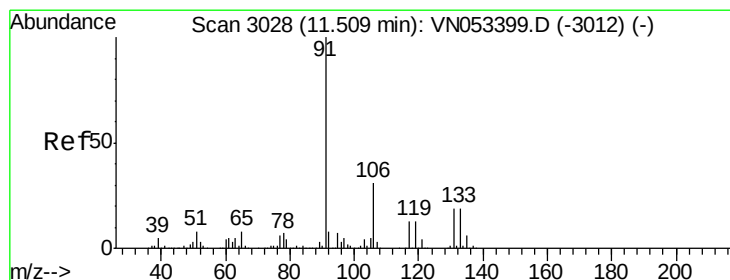
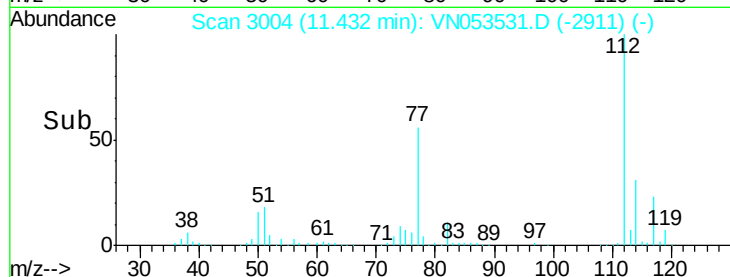
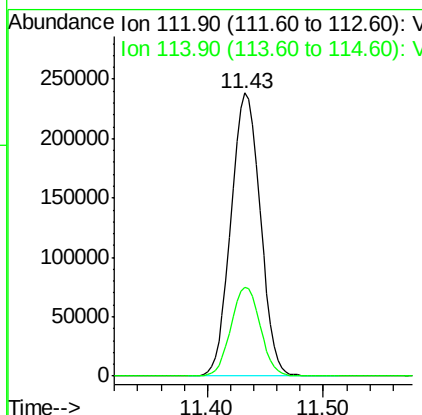
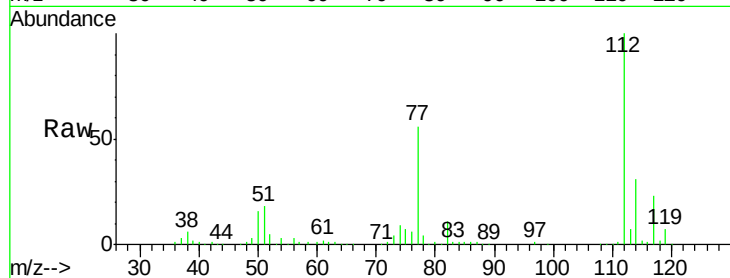
#65
Chlorobenzene
Concen: 20.732 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion:112 Resp: 416737
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9

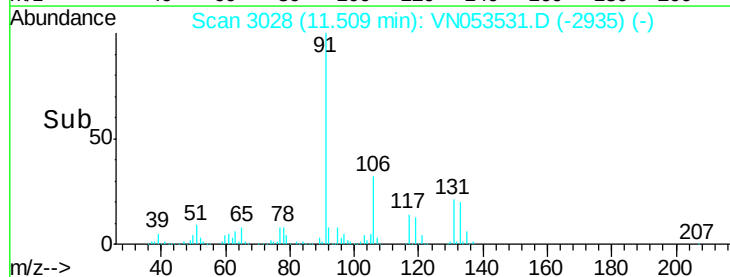
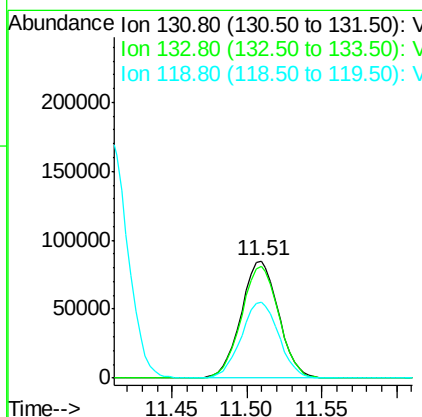
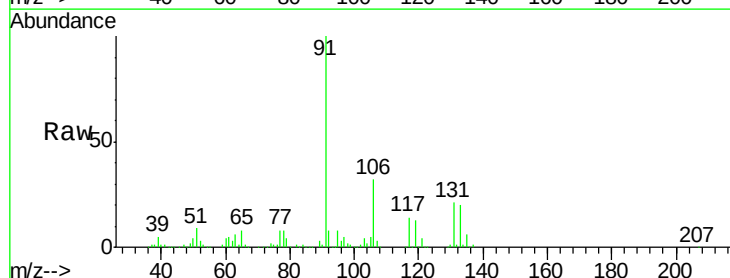
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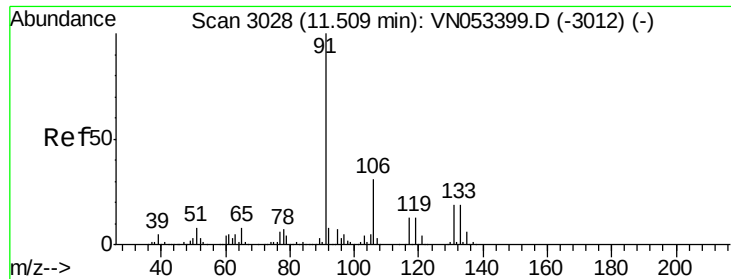
MMDadoda
1/24/2019 11:53:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.157 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion:131 Resp: 147945
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 65.3 33.5 100.5





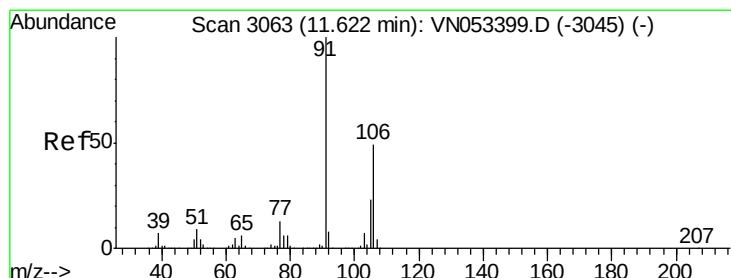
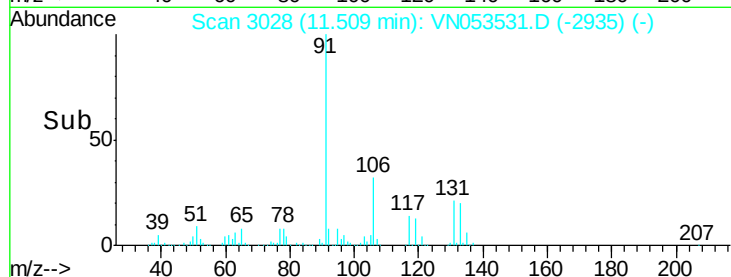
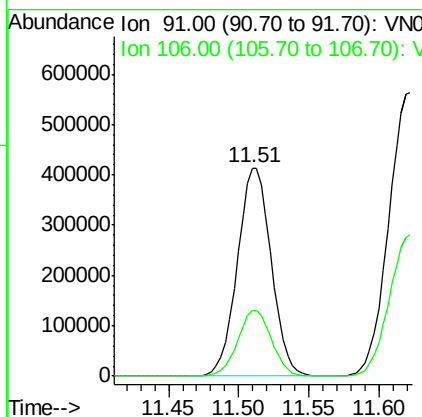
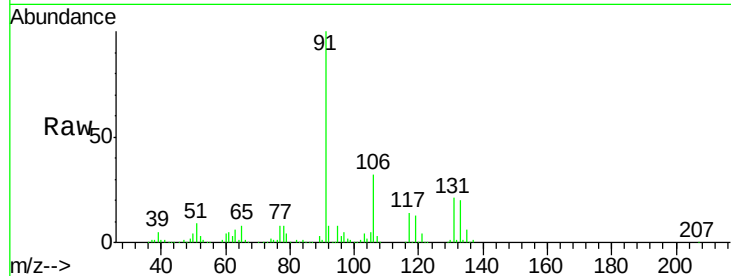
#67
Ethyl Benzene
Concen: 20.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion: 91 Resp: 694116
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6

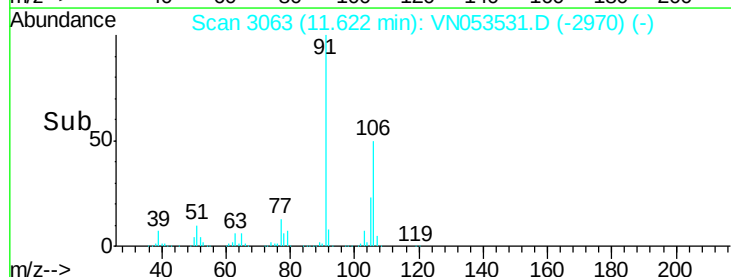
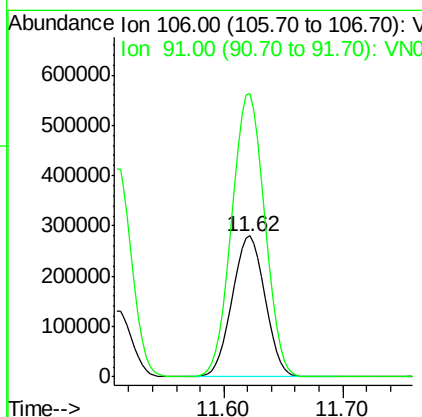
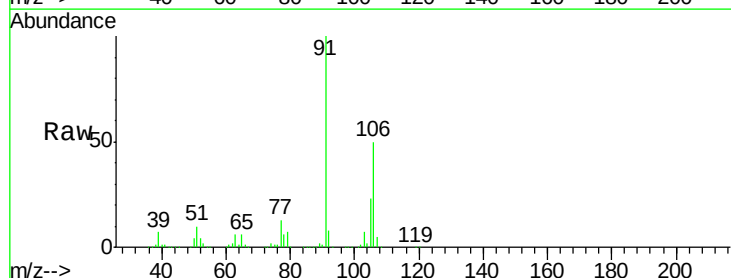
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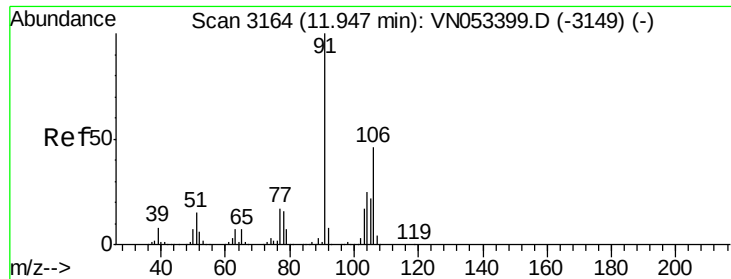
MMDadoda
1/24/2019 11:53:37 AM



#68
m/p-Xylenes
Concen: 41.606 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 106 Resp: 538131
Ion Ratio Lower Upper
106 100
91 200.8 161.4 242.2





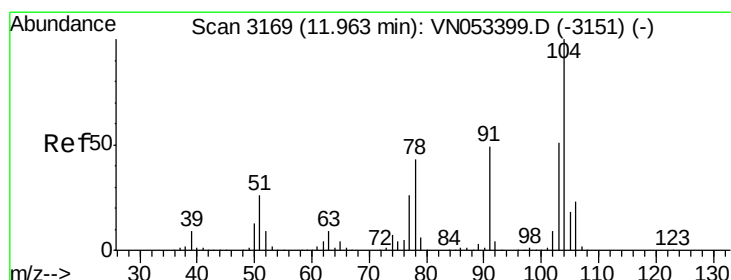
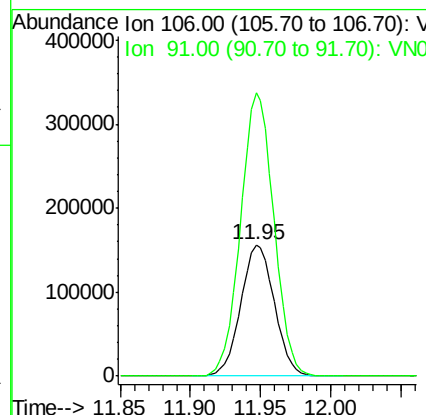
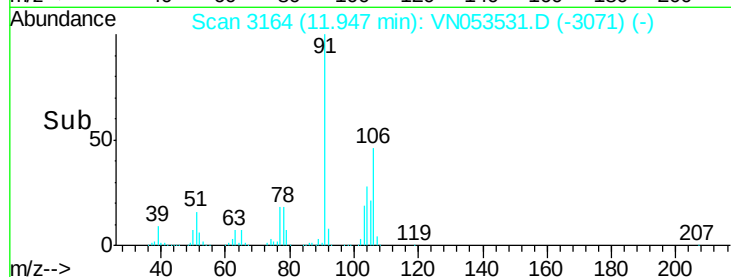
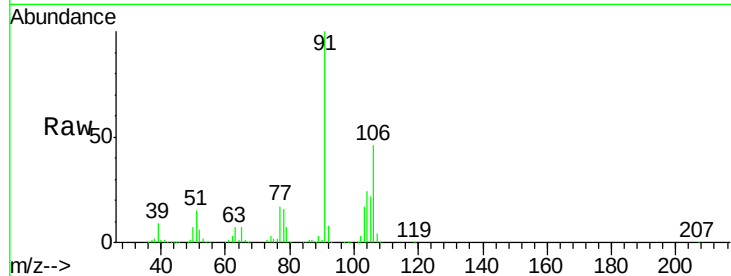
#69
o-Xylene
Concen: 20.756 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	260855		
91	91	213.1	106.9	320.8	

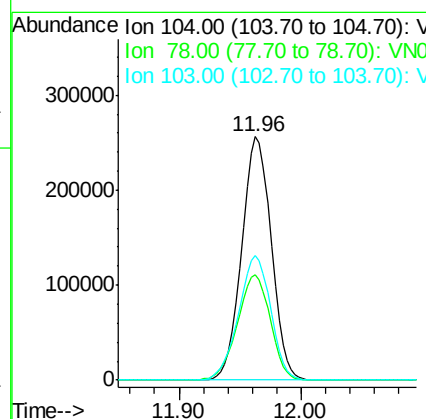
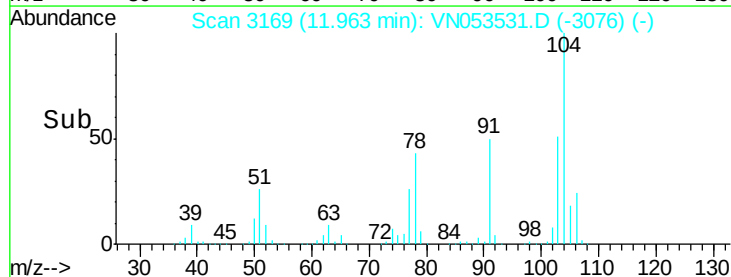
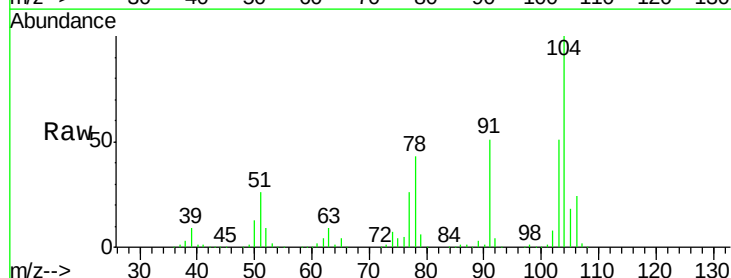
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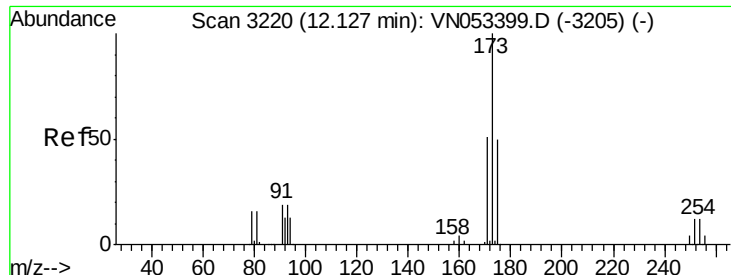
MMDadoda
1/24/2019 11:53:37 AM



#70
Styrene
Concen: 21.039 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	429133		
78	78	48.3	38.2	57.2	
103	103	55.7	44.4	66.6	





#71

Bromoform

Concen: 22.135 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

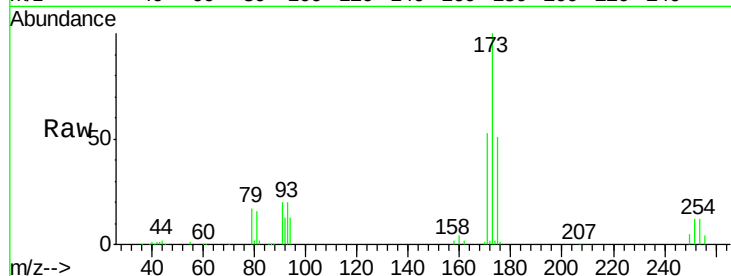
ClientSampleId :

VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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MMDadoda
1/24/2019 11:53:37 AM

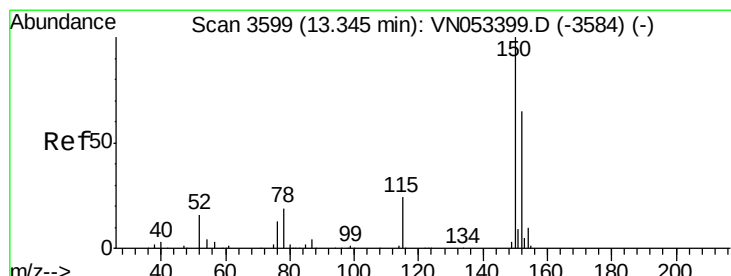
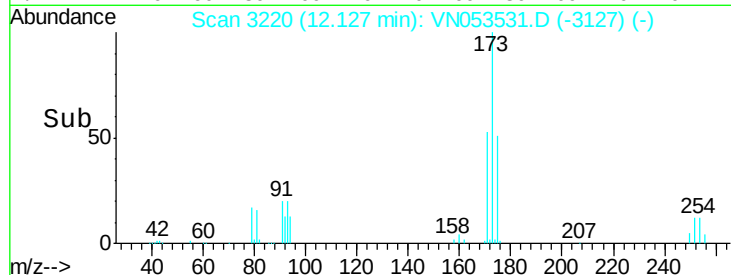
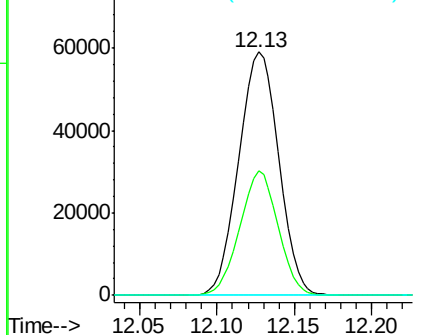


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

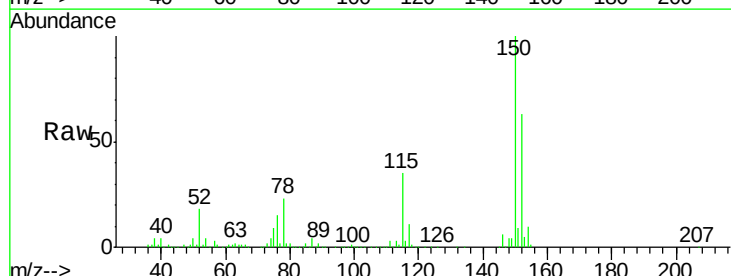
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.4
150	165.7	0.0	349.0

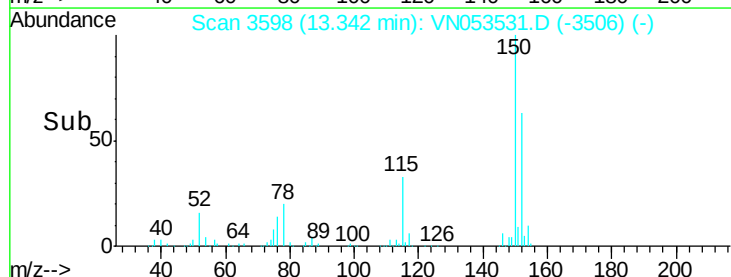
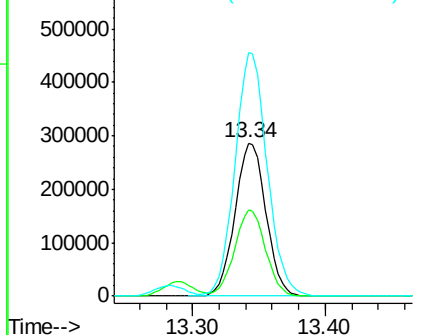


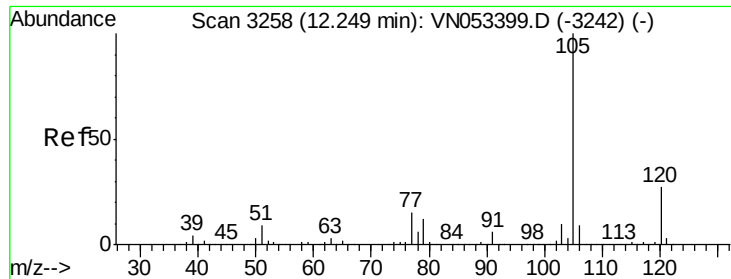
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





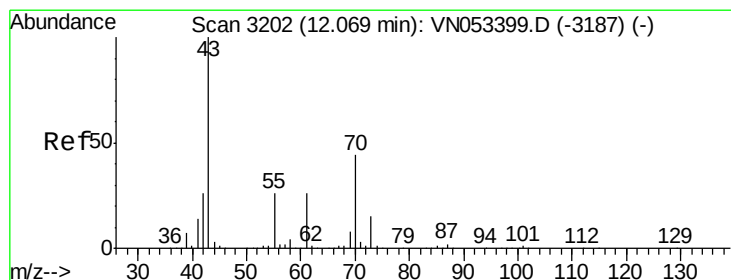
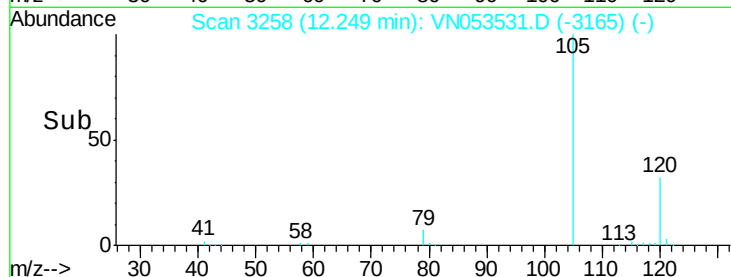
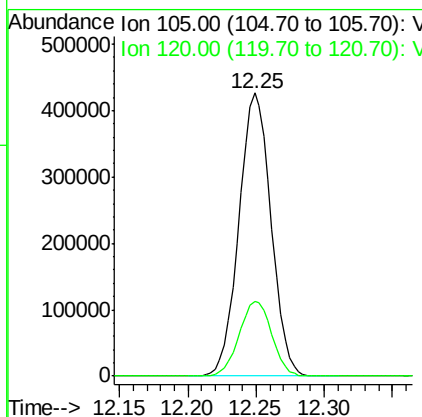
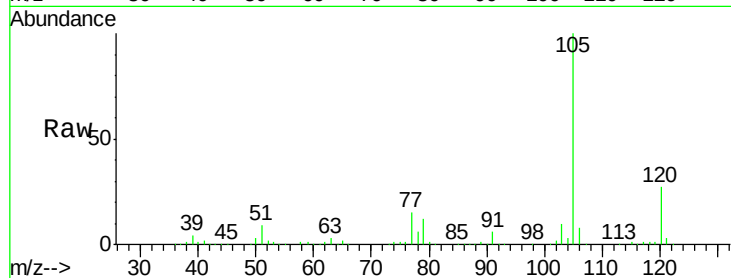
#73
Isopropylbenzene
Concen: 20.526 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion: 105 Resp: 694870
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.7

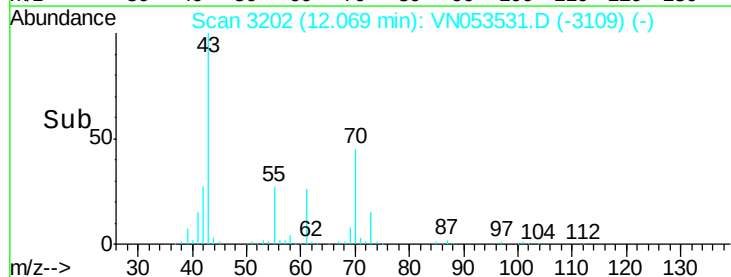
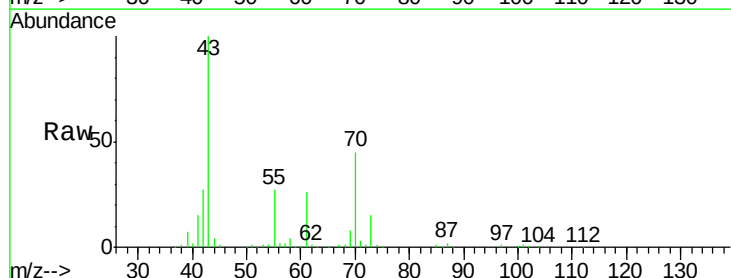
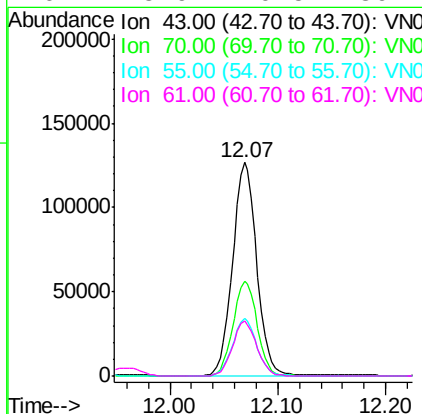
Manual Integrations
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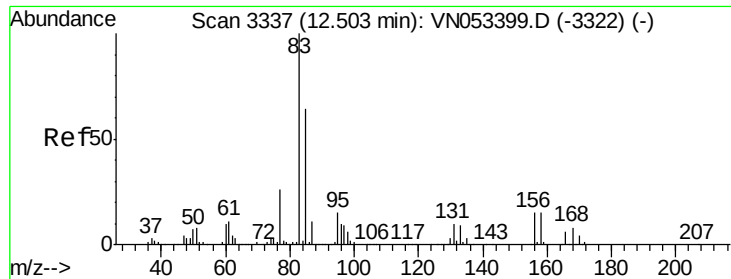
MMDadoda
1/24/2019 11:53:37 AM



#74
N-ethyl acetate
Concen: 21.894 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion: 43 Resp: 197576
Ion Ratio Lower Upper
43 100
70 44.7 35.4 53.2
55 27.0 20.9 31.3
61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.054 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

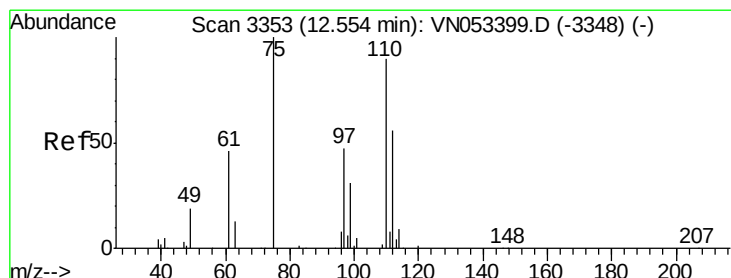
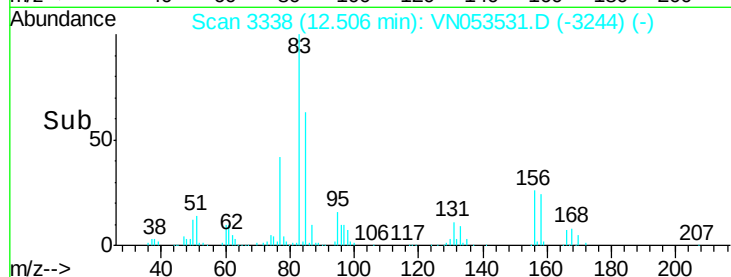
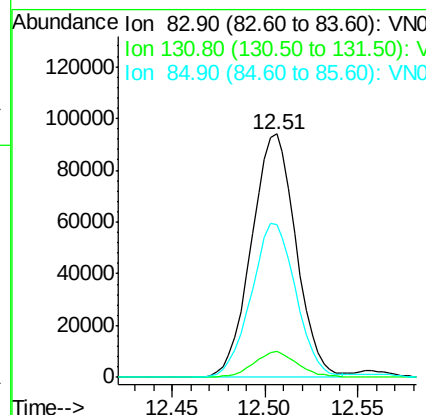
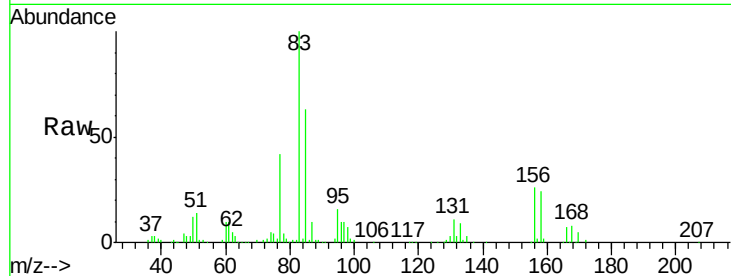
ClientSampled :

VN0123WBSD01

Tot Ion:	83	Resp:	156578
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	63.6	32.1	96.3

Manual Integrations
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1/24/2019 11:53:37 AM



#76

1,2,3-Trichloropropane

Concen: 22.975 ug/l m

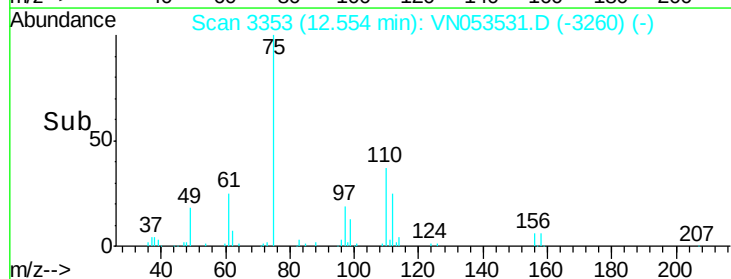
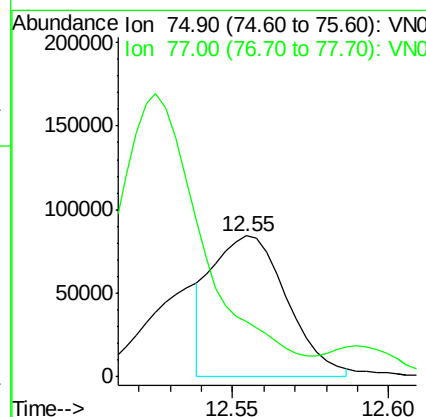
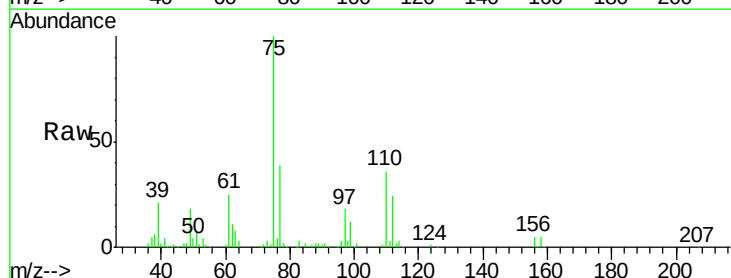
RT: 12.55 min Scan# 3353

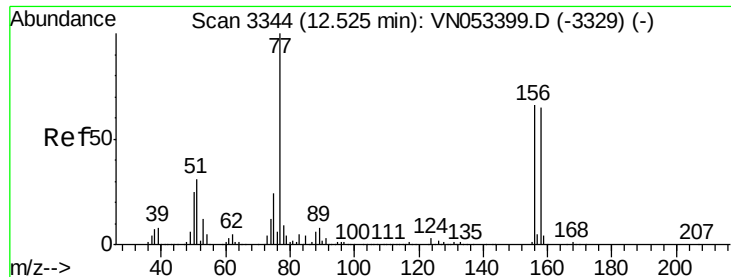
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion:	75	Resp:	139961
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.831 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

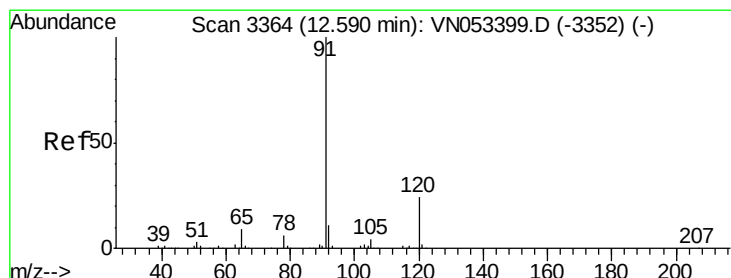
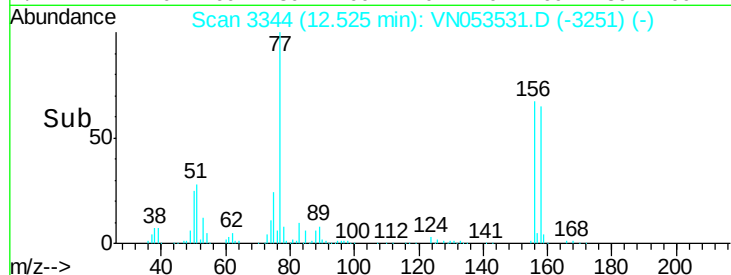
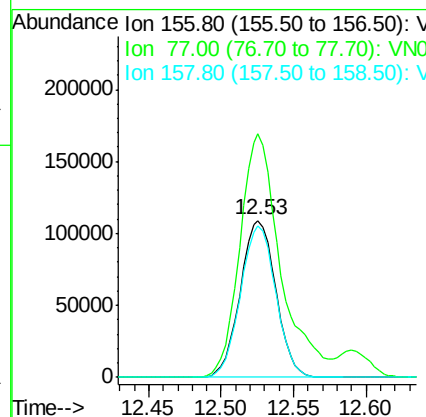
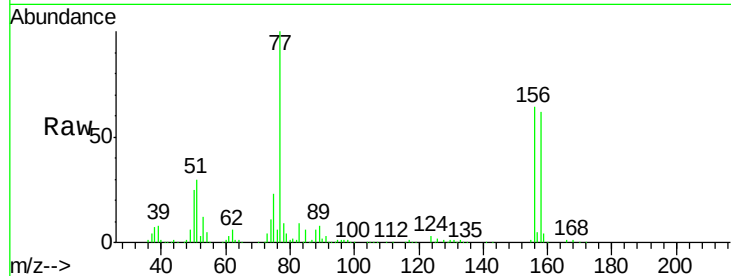
ClientSampleId :

VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	185817		
77	177.1	87.9	263.8	
158	95.9	48.8	146.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.530 ug/l

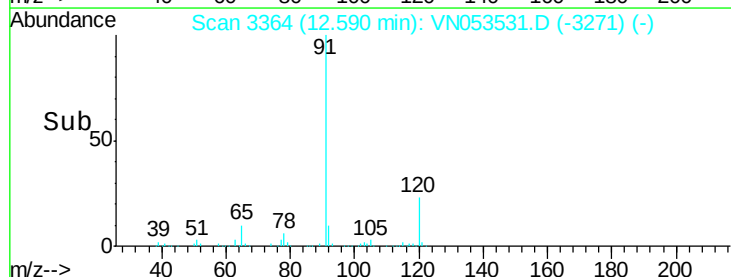
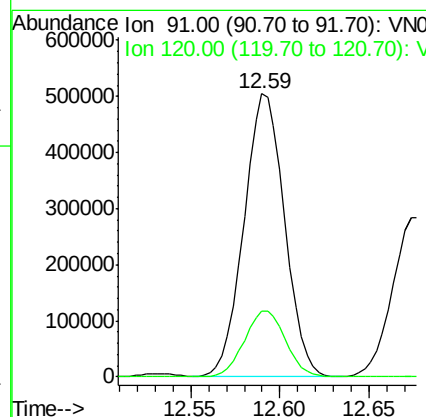
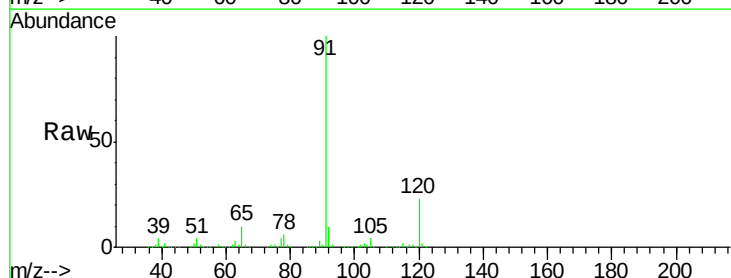
RT: 12.59 min Scan# 3364

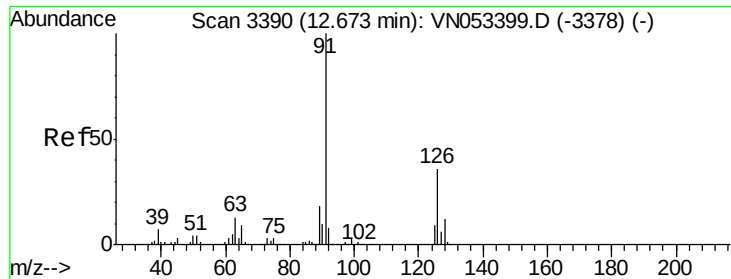
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	797788		
120	23.7	11.9	35.5	





#79

2-Chlorotoluene

Concen: 20.594 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion: 91 Resp: 474354

Ion Ratio Lower Upper

91 100

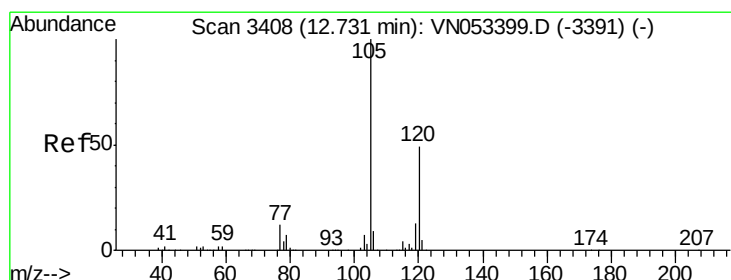
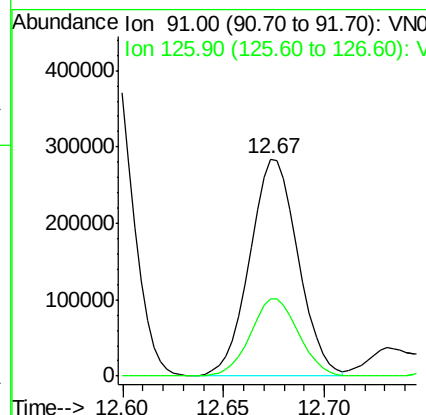
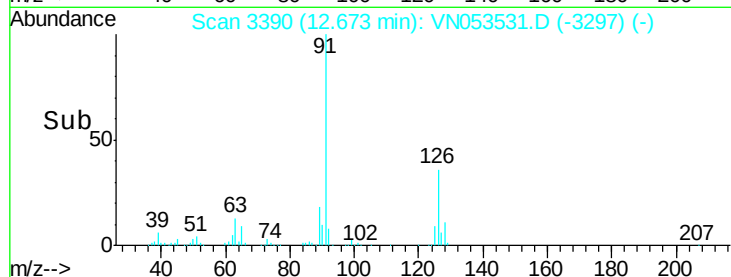
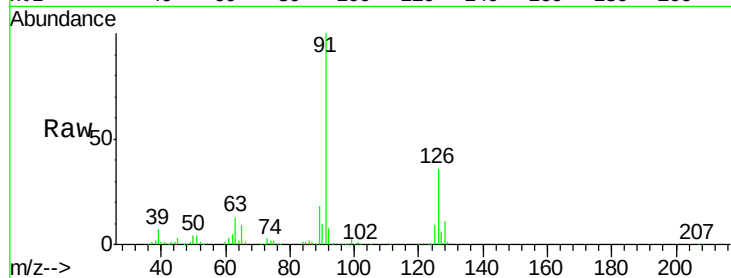
126 35.7 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.878 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053531.D

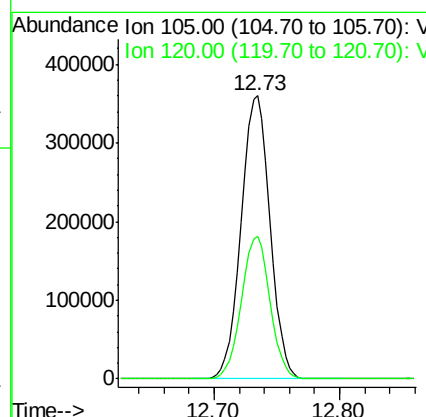
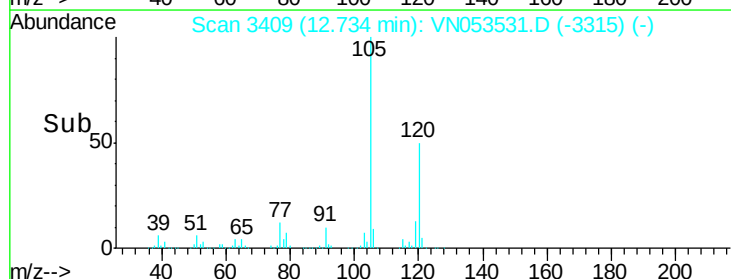
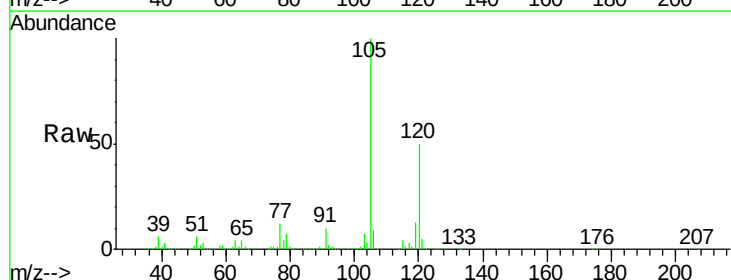
Acq: 23 Jan 2019 12:16

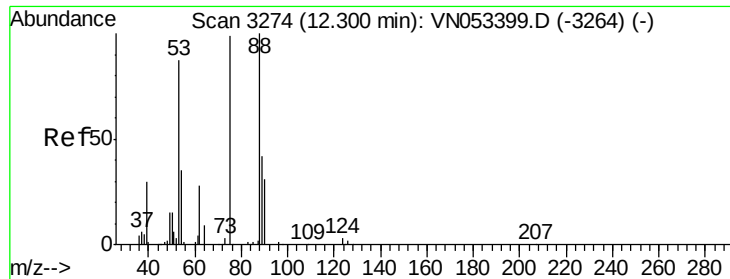
Tgt Ion: 105 Resp: 575058

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.865 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

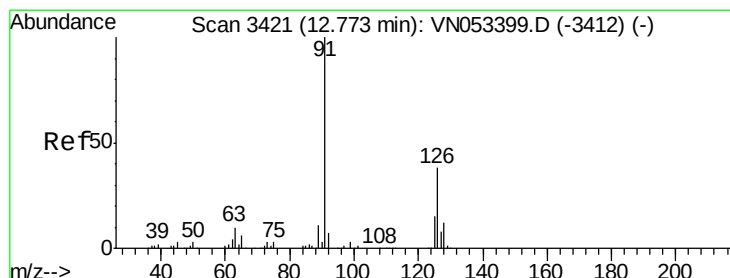
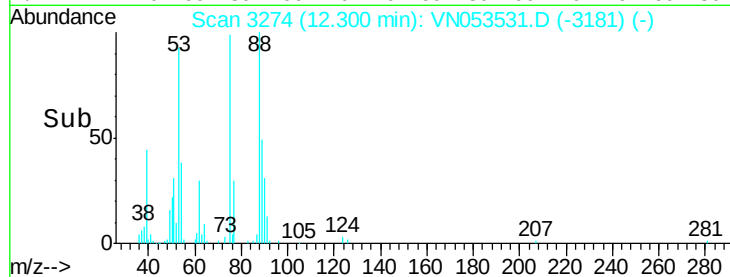
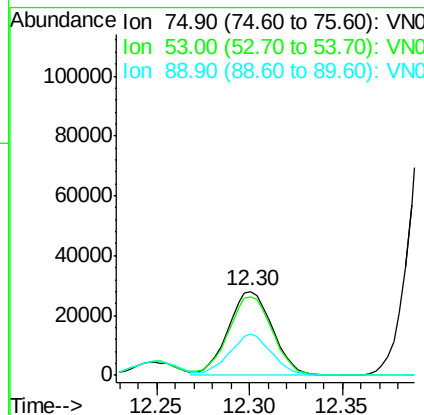
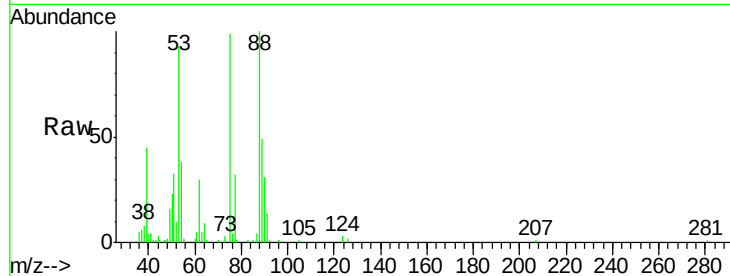
ClientSampled :

VN0123WBSD01

Tot Ion:	75	Resp:	46481
Ion	Ratio	Lower	Upper
75	100		
53	94.0	69.8	104.6
89	46.9	35.6	53.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.746 ug/l

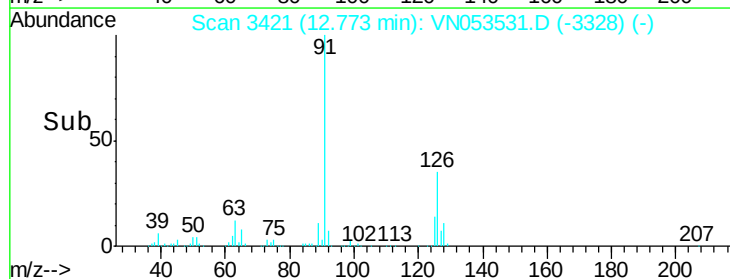
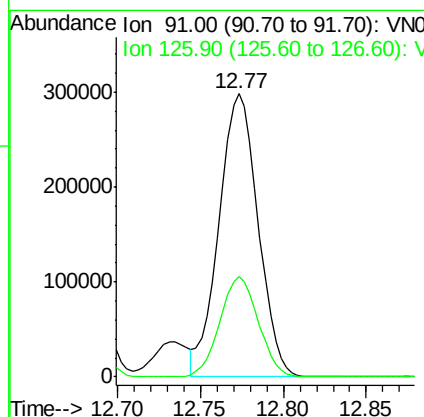
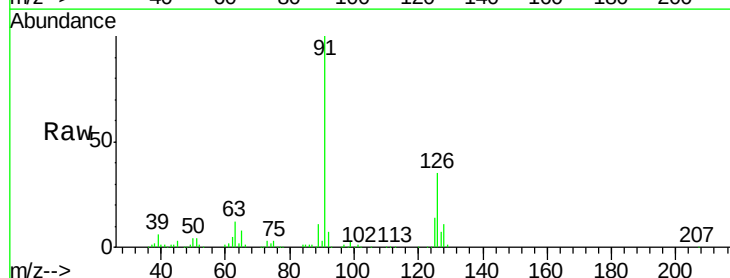
RT: 12.77 min Scan# 3421

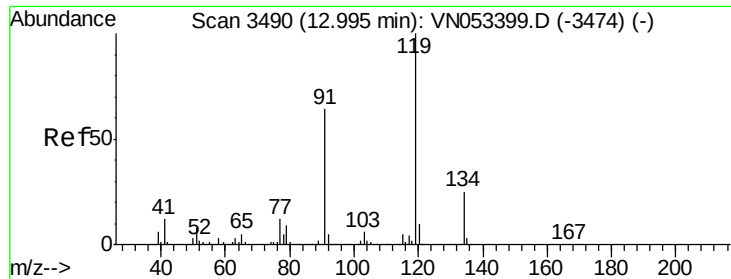
Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion:	91	Resp:	487312
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.9





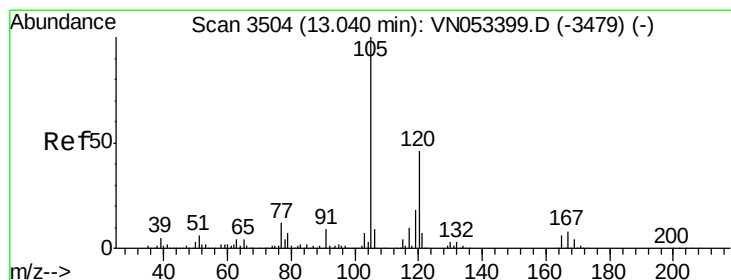
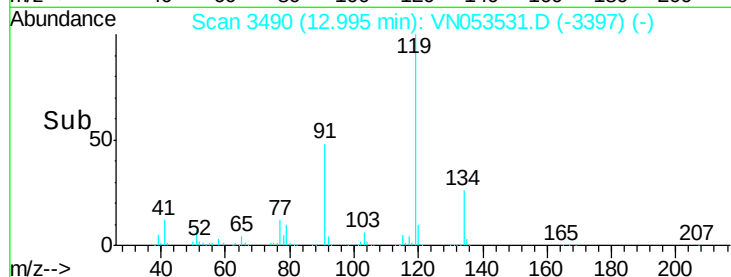
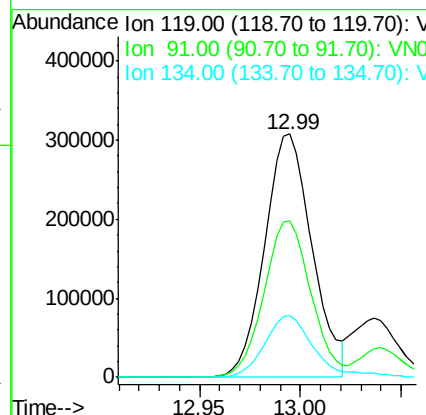
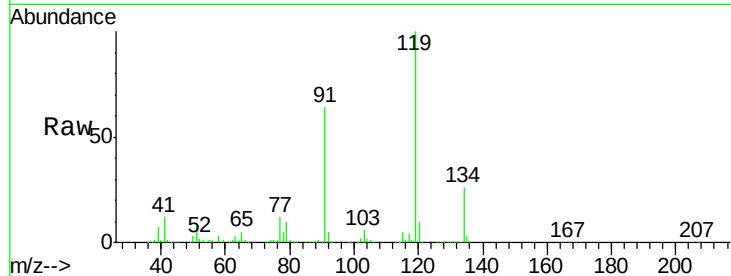
#83
 tert-Butylbenzene
 Concen: 20.739 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	504525		
91	63.8		31.3	93.8
134	26.5		12.9	38.7

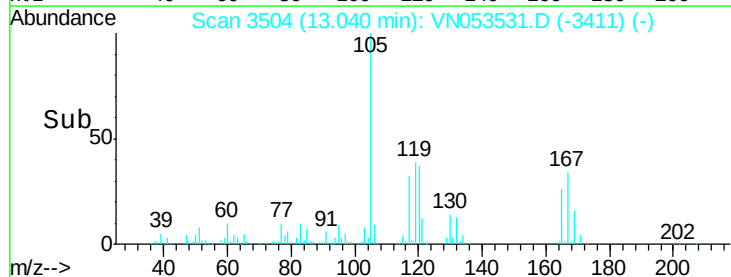
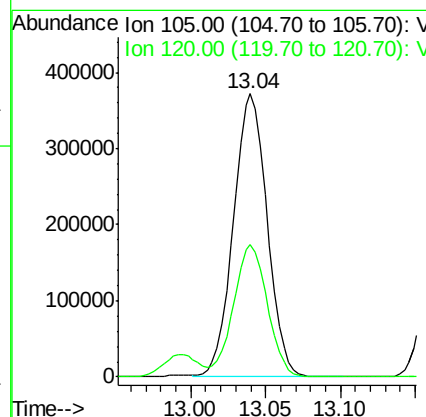
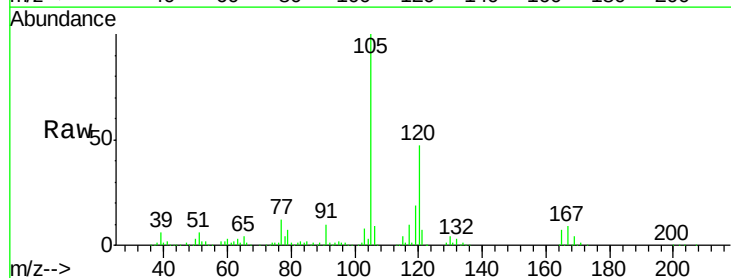
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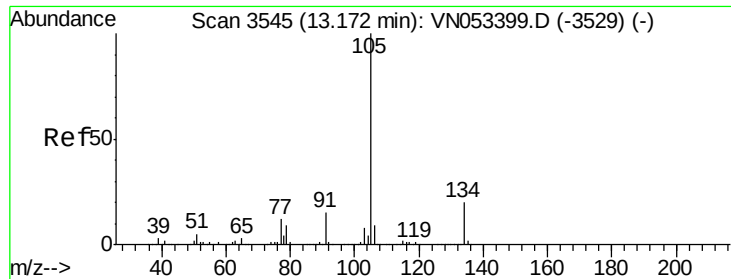
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.974 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	582492		
120	47.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.762 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBSD01

Tot Ion:105 Resp: 692705

Ion Ratio Lower Upper

105 100

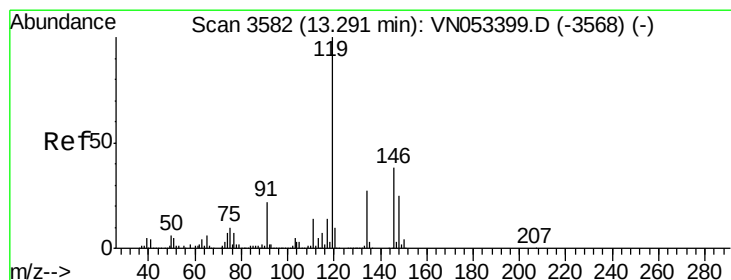
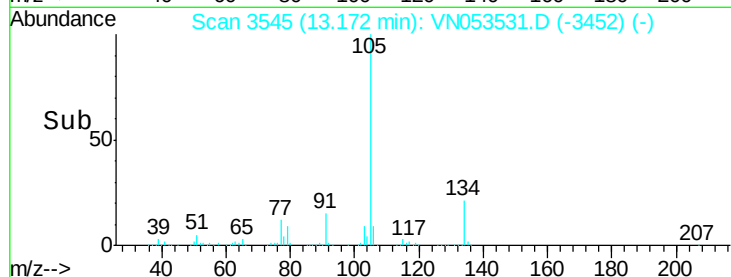
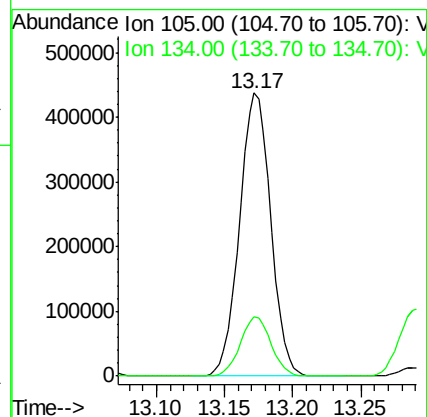
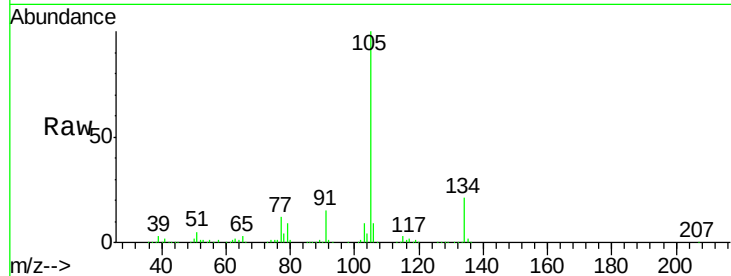
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.961 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

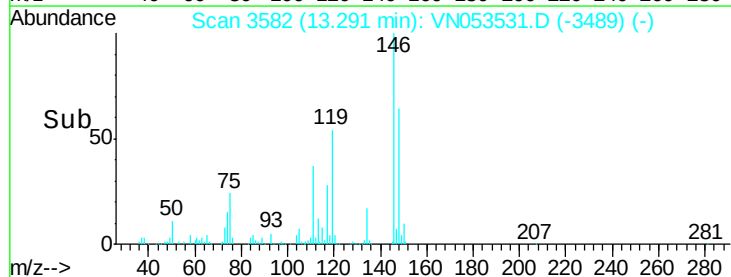
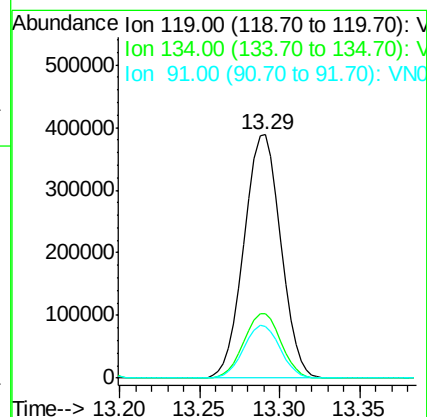
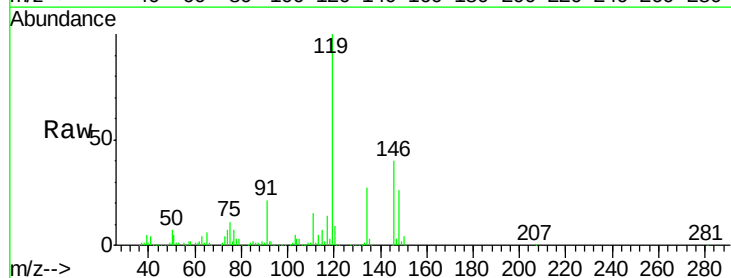
Tgt Ion:119 Resp: 607209

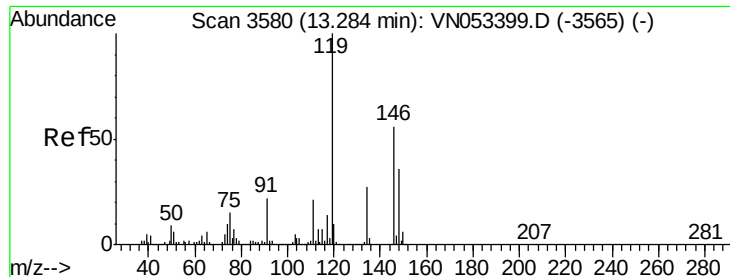
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.6 11.0 33.0





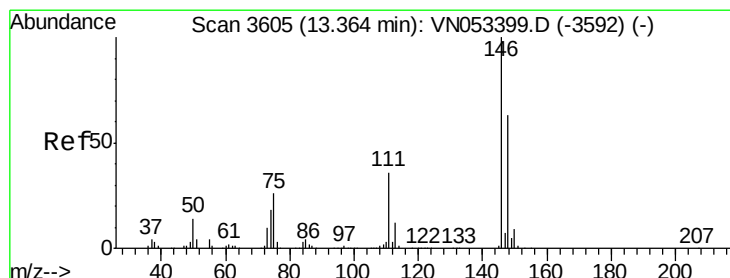
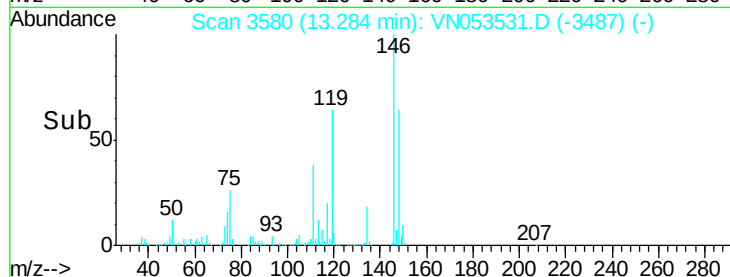
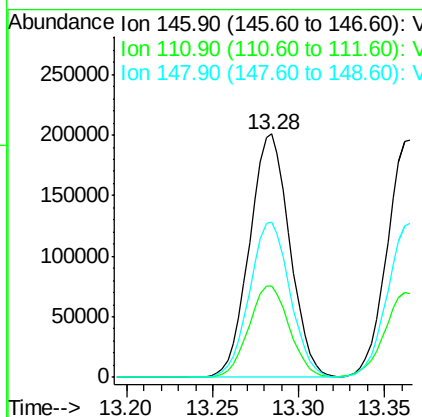
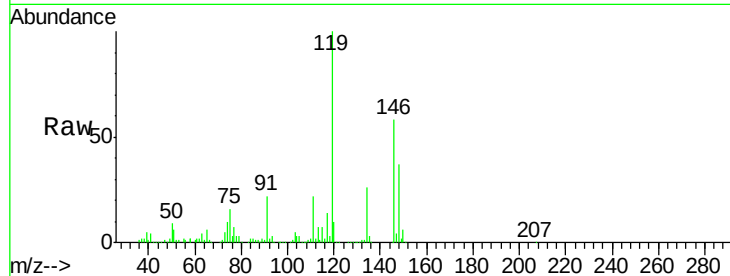
#87
 1,3-Dichlorobenzene
 Concen: 20.815 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	64.2	32.0	96.2

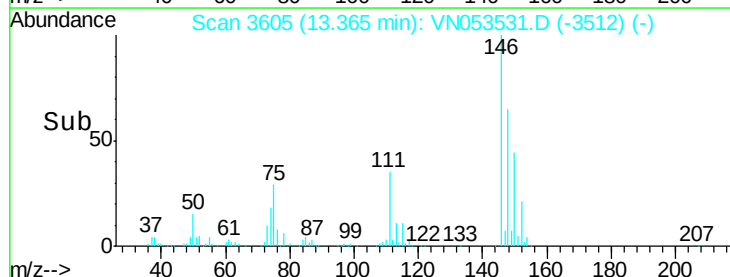
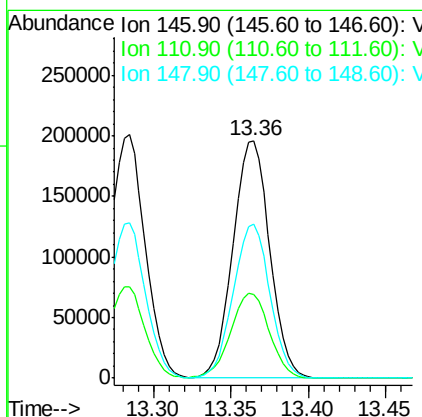
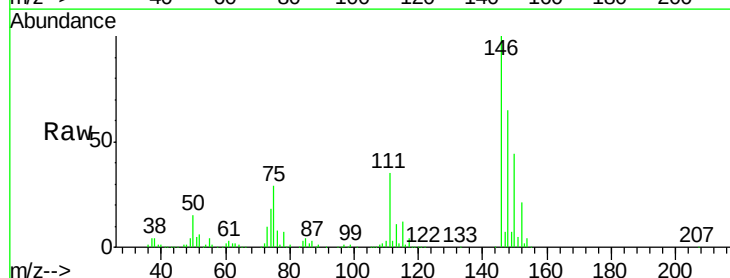
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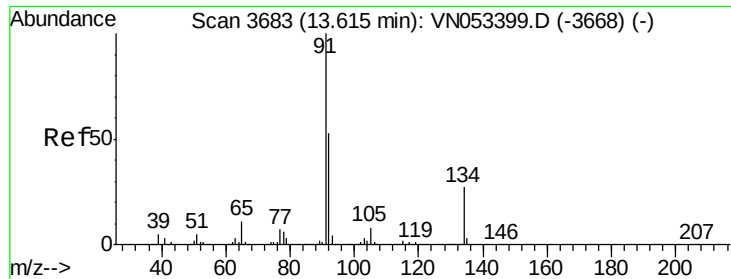
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#88
 1,4-Dichlorobenzene
 Concen: 20.486 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	65.0	32.4	97.0





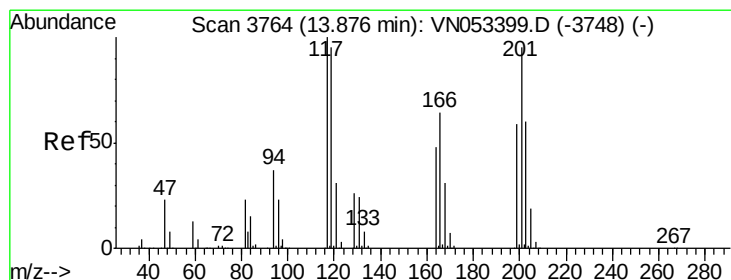
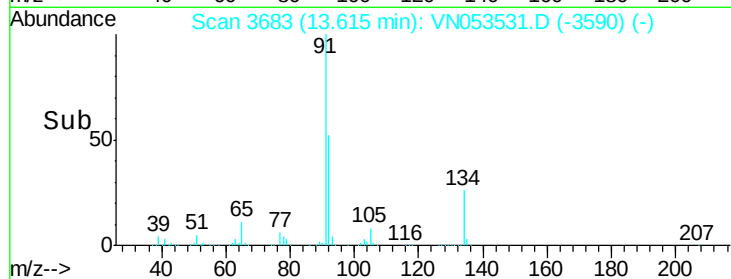
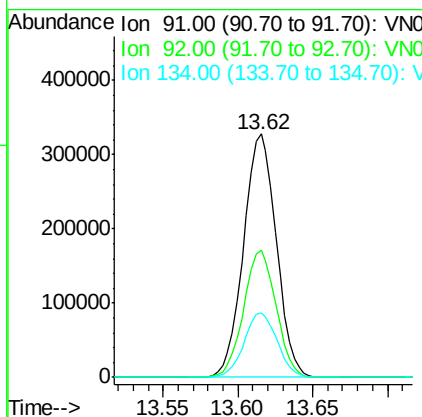
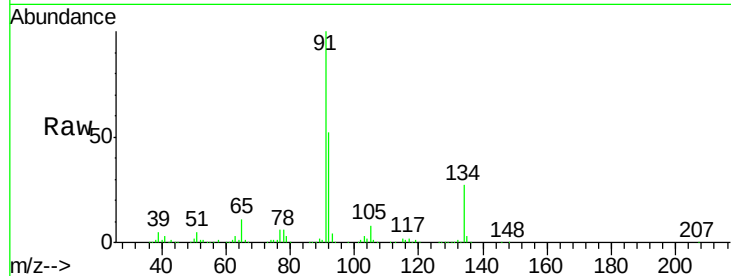
#89
n-Butylbenzene
Concen: 20.243 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	499873		
92	51.8	26.3	78.8	
134	26.7	13.5	40.5	

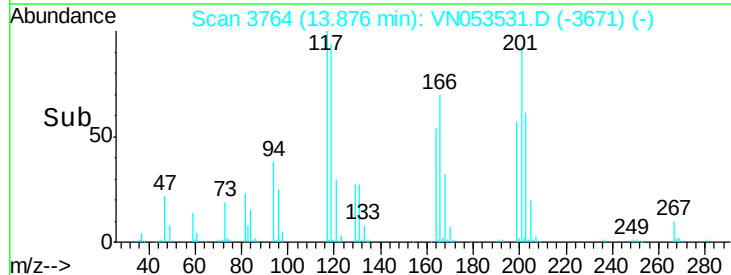
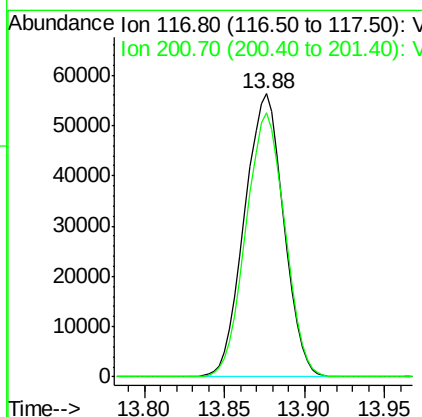
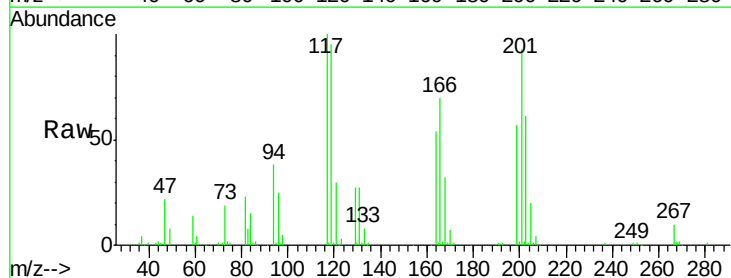
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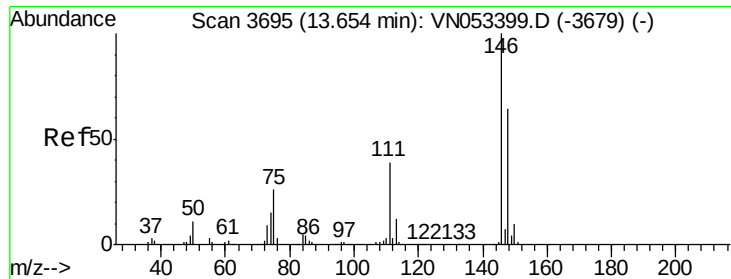
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#90
Hexachloroethane
Concen: 20.771 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053531.D
Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94367		
201	92.7	46.8	140.4	





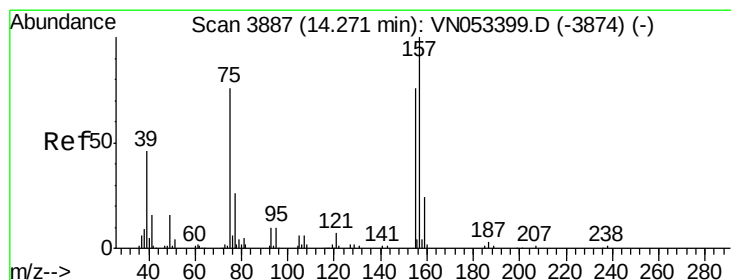
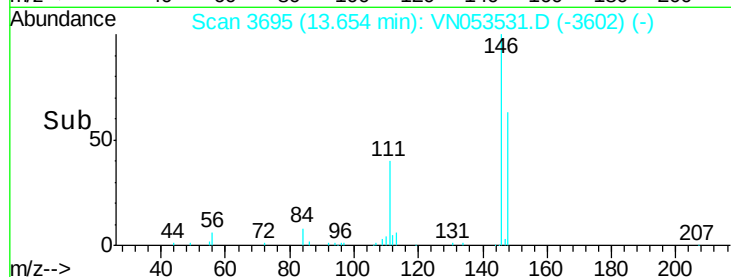
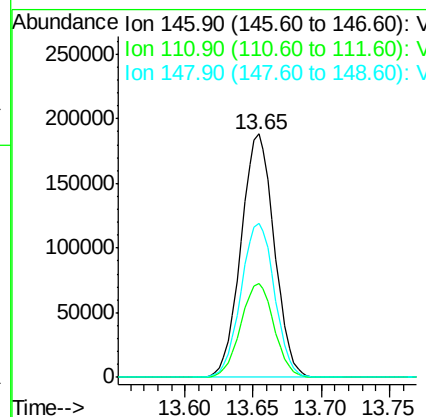
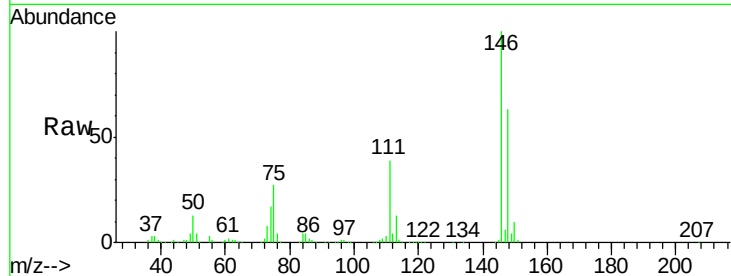
#91
 1,2-Dichlorobenzene
 Concen: 22.047 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	63.9	31.9	95.9

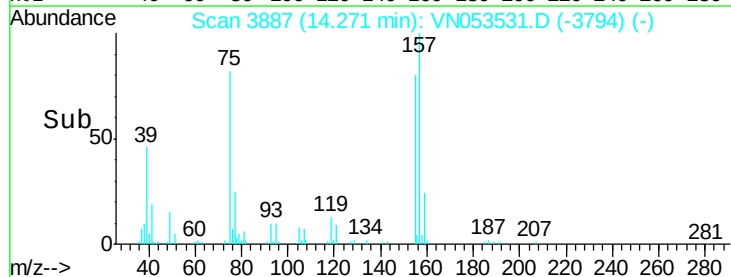
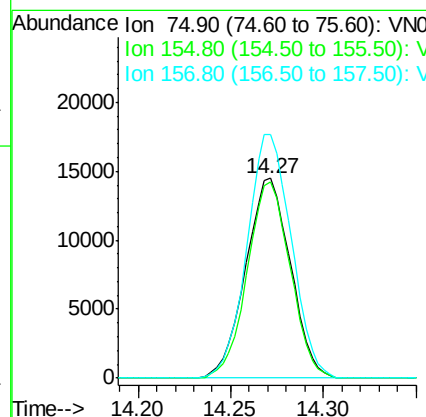
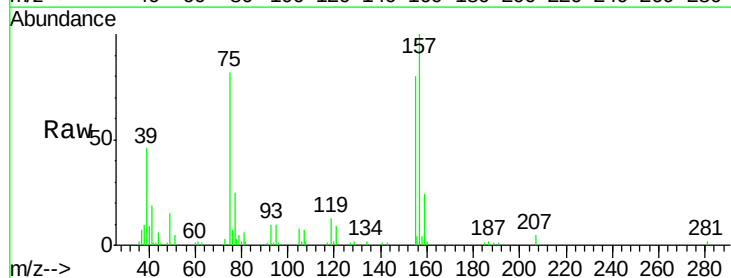
Manual Integrations
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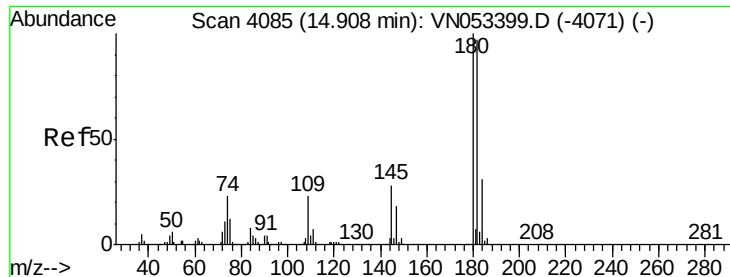
MMDadoda
 1/24/2019 11:53:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.047 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	48.9	146.7
157	120.7	63.7	191.3





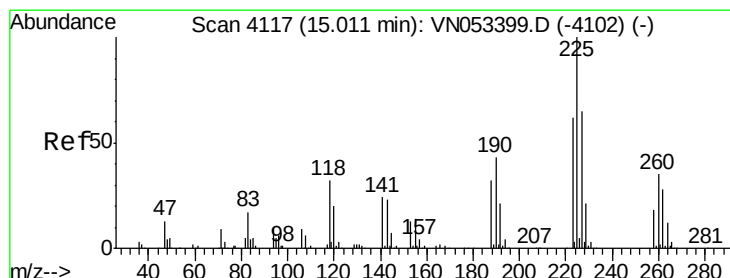
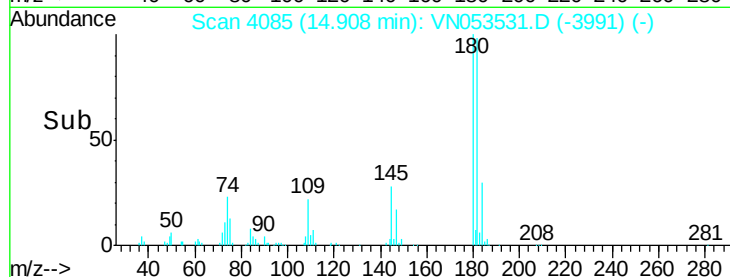
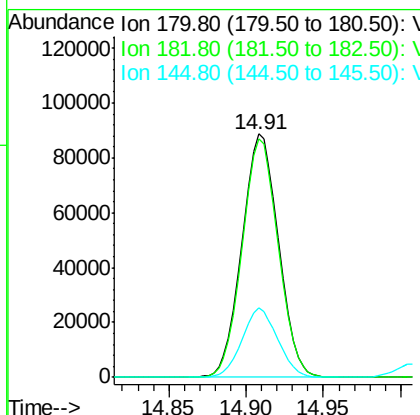
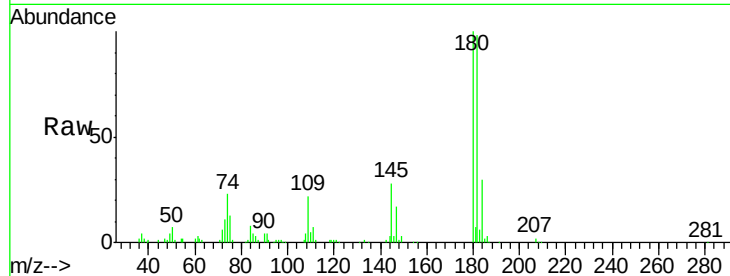
#93
 1,2,4-Trichlorobenzene
 Concen: 24.412 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145945		
182	96.7	48.1	144.3	
145	27.8	13.9	41.6	

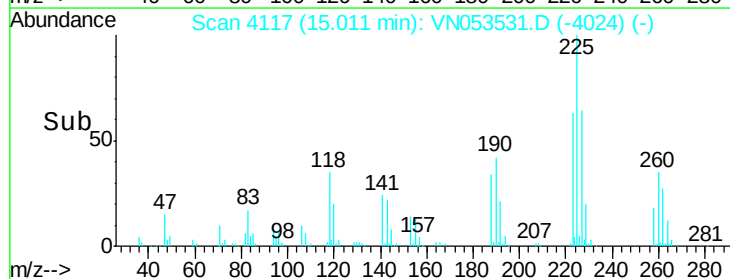
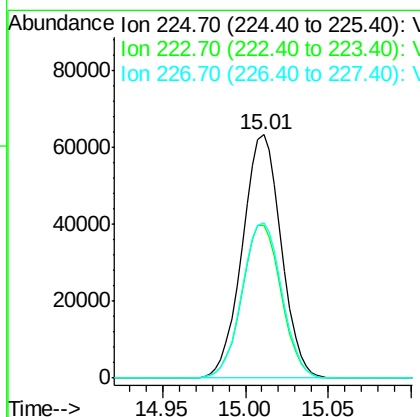
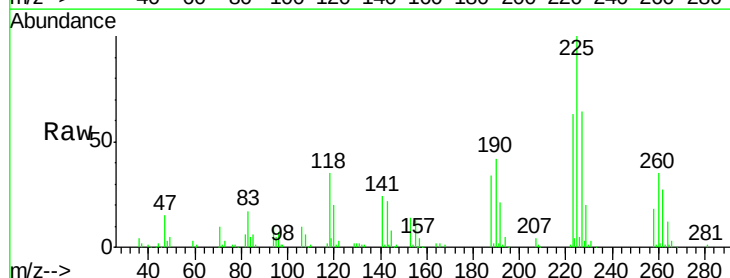
Manual Integrations
 APPROVED

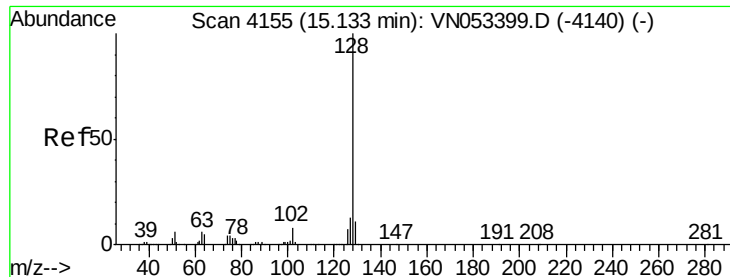
MMDadoda
 1/24/2019 11:53:37 AM



#94
 Hexachlorobutadiene
 Concen: 22.915 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053531.D
 Acq: 23 Jan 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103190		
223	63.5	31.1	93.2	
227	65.6	32.0	96.2	





#95

Naphthalene

Concen: 25.522 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Instrument :

MSVOA_N

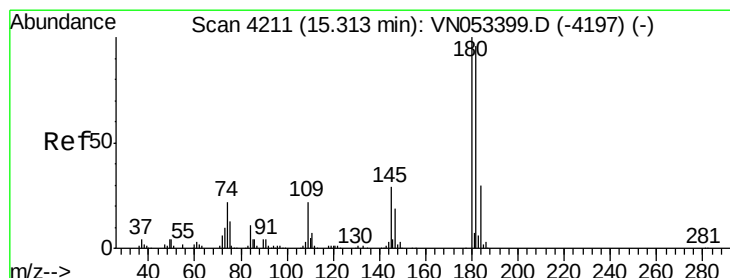
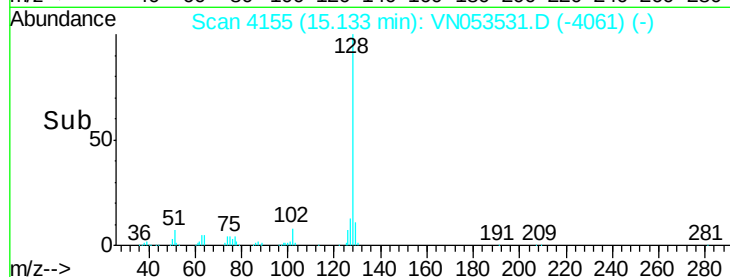
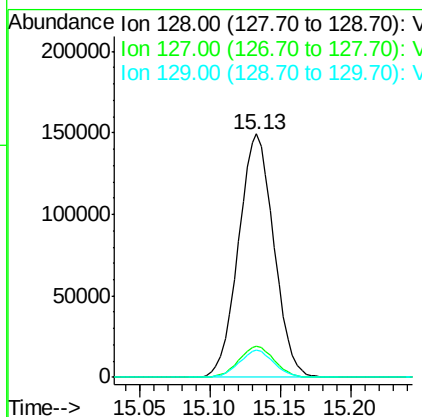
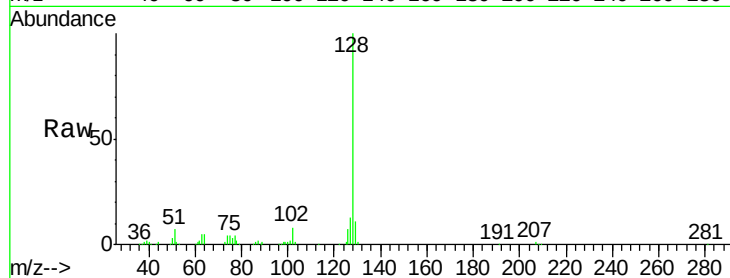
ClientSampleId :

VN0123WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		261822		
127	12.7		10.3	15.5	
129	11.1		8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:53:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 26.348 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053531.D

Acq: 23 Jan 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		113463		
182	94.8		47.9	143.8	
145	29.9		14.7	44.1	

