

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054208.D
 Acq On : 13 Mar 2019 13:29
 Operator : JC/SP
 Sample : VN0313WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:19 AM

Quant Time: Mar 14 06:51:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1372151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2110387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1858885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	897124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	758542	52.05	ug/l	0.00
Spiked Amount						
			Recovery	=	104.10%	
35) Dibromofluoromethane	7.59	113	692120	50.85	ug/l	0.00
Spiked Amount						
			Recovery	=	101.70%	
50) Toluene-d8	10.09	98	2507744	49.89	ug/l	0.00
Spiked Amount						
			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	863082	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	280360	21.559	ug/l	98
3) Chloromethane	2.06	50	249158	19.724	ug/l	100
4) Vinyl Chloride	2.19	62	295653	20.477	ug/l	99
5) Bromomethane	2.58	94	208308	20.831	ug/l	98
6) Chloroethane	2.71	64	172005	19.690	ug/l	100
7) Trichlorofluoromethane	3.02	101	380134	19.803	ug/l	99
8) Diethyl Ether	3.41	74	187991	21.490	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	319107	22.184	ug/l	98
10) Methyl Iodide	3.95	142	350720	18.151	ug/l	100
11) Tert butyl alcohol	4.81	59	96105	96.202	ug/l	100
12) 1,1-Dichloroethene	3.73	96	306010	21.467	ug/l	100
13) Acrolein	3.61	56	78842	83.287	ug/l	100
14) Allyl chloride	4.32	41	371551	20.315	ug/l	99
15) Acrylonitrile	5.00	53	430953	105.019	ug/l	99
16) Acetone	3.82	43	364380	87.331	ug/l	98
17) Carbon Disulfide	4.04	76	675391	18.900	ug/l	99
18) Methyl Acetate	4.33	43	189566	22.457	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	751134	21.258	ug/l	98
20) Methylene Chloride	4.55	84	292342	21.339	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	284515	20.831	ug/l	99
22) Diisopropyl ether	5.96	45	764320	20.938	ug/l	98
23) Vinyl Acetate	5.90	43	2788809	103.619	ug/l	98
24) 1,1-Dichloroethane	5.85	63	494159	21.084	ug/l	99
25) 2-Butanone	6.85	43	495027	101.086	ug/l	100
26) 2,2-Dichloropropane	6.82	77	391930	19.015	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	328939	21.588	ug/l	98
28) Bromochloromethane	7.19	49	201370	21.016	ug/l	97
29) Tetrahydrofuran	7.22	42	325983	103.531	ug/l	99
30) Chloroform	7.37	83	533979	21.833	ug/l	96
31) Cyclohexane	7.65	56	461802	20.347	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	453518	20.532	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390401	20.088	ug/l	99
37) Ethyl Acetate	6.94	43	226330	20.268	ug/l	99
38) Carbon Tetrachloride	7.77	117	387464	19.011	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	486356	20.339	ug/l	99
40) Benzene	8.04	78	1164228	20.934	ug/l	99
41) Methacrylonitrile	7.18	41	122127	19.154	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	389687	20.754	ug/l	99
43) Isopropyl Acetate	8.17	43	384294	19.606	ug/l	99
44) Trichloroethene	8.83	130	354632	20.527	ug/l	100
45) 1,2-Dichloropropane	9.12	63	283935	20.561	ug/l	100
46) Dibromomethane	9.21	93	192603	20.642	ug/l	99
47) Bromodichloromethane	9.40	83	379191	20.272	ug/l	97
48) Methyl methacrylate	9.20	41	195823	19.686	ug/l	94
49) 1,4-Dioxane	9.20	88	56019	398.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1061684	102.350	ug/l	100
52) Toluene	10.16	92	727551	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	363725	18.312	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	431242	19.784	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	265829	20.645	ug/l	99
56) Ethyl methacrylate	10.43	69	309259	20.143	ug/l	99
57) 1,3-Dichloropropane	10.71	76	438582	20.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613134	102.683	ug/l	98
59) 2-Hexanone	10.75	43	672503	97.433	ug/l	99
60) Dibromochloromethane	10.90	129	280657	19.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	270698	20.688	ug/l	98
64) Tetrachloroethene	10.63	164	363630	20.232	ug/l	100
65) Chlorobenzene	11.43	112	840208	20.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	299778	20.218	ug/l	99
67) Ethyl Benzene	11.51	91	1376383	20.343	ug/l	99
68) m/p-Xylenes	11.62	106	1080600	40.863	ug/l	99
69) o-Xylene	11.95	106	528652	20.507	ug/l	100
70) Styrene	11.96	104	827176	20.459	ug/l	100
71) Bromoform	12.13	173	181071	17.618	ug/l #	98
73) Isopropylbenzene	12.25	105	1430637	19.932	ug/l	99
74) N-amyl acetate	12.07	43	305542	19.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	300771	19.668	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	253701m	19.231	ug/l	
77) Bromobenzene	12.53	156	377444	19.873	ug/l	98
78) n-propylbenzene	12.59	91	1542885	19.811	ug/l	100
79) 2-Chlorotoluene	12.67	91	925139	19.756	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1174099	19.666	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59213	15.343	ug/l	88
82) 4-Chlorotoluene	12.77	91	922494	19.729	ug/l	100
83) tert-Butylbenzene	12.99	119	1088260	19.804	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1174447	20.052	ug/l	99
85) sec-Butylbenzene	13.17	105	1412931	19.826	ug/l	100
86) p-Isopropyltoluene	13.29	119	1243665	19.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	644361	20.134	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	633623	20.154	ug/l	99
89) n-Butylbenzene	13.62	91	949296	19.983	ug/l	100
90) Hexachloroethane	13.88	117	179120	17.302	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	633520	20.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43677	18.457	ug/l	98

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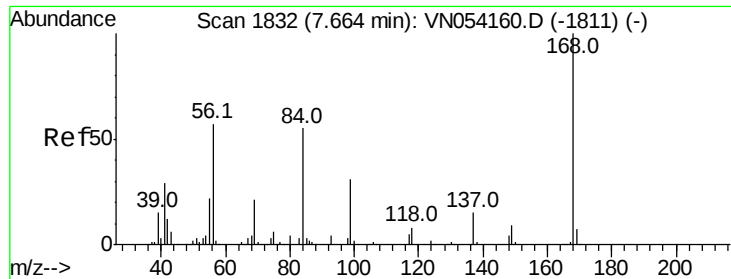
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	334730	19.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	240206	20.157	ug/l	100
95) Naphthalene	15.13	128	658406	19.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	339804	20.442	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

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Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:168 Resp: 1372151

Ion Ratio Lower Upper

168 100

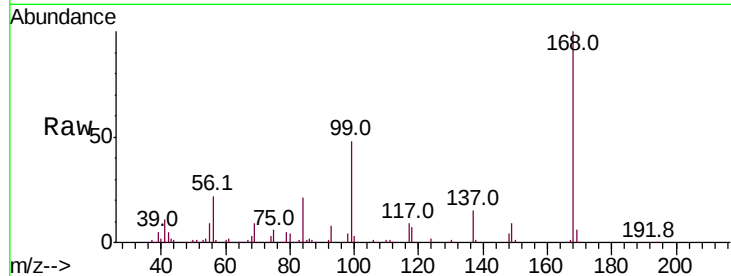
99 47.1 37.1 55.7

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3/14/2019 10:27:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

500000

400000

300000

200000

100000

0

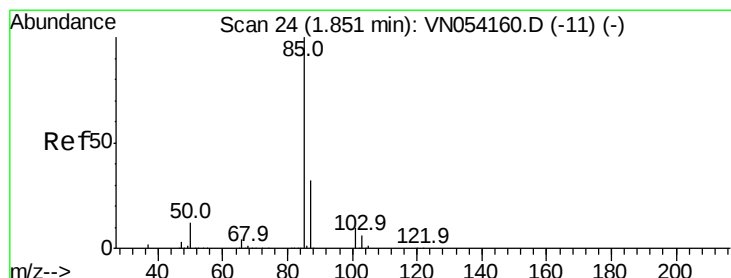
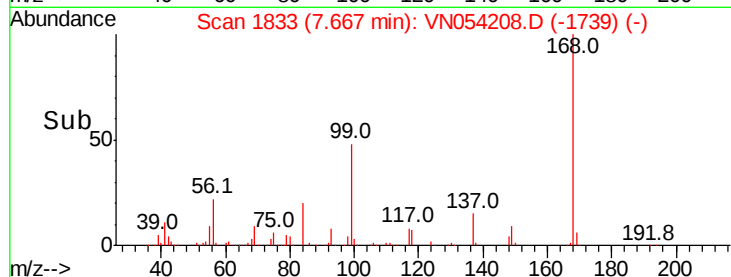
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.559 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054208.D

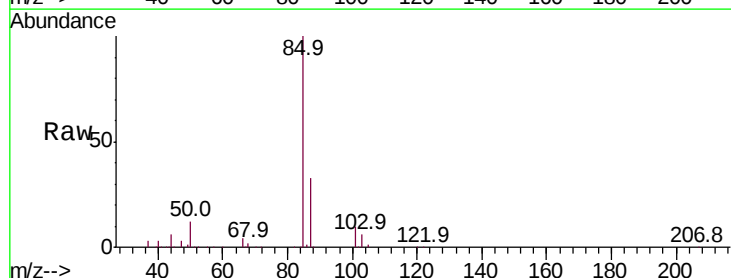
Acq: 13 Mar 2019 13:29

Tgt Ion: 85 Resp: 280360

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

0

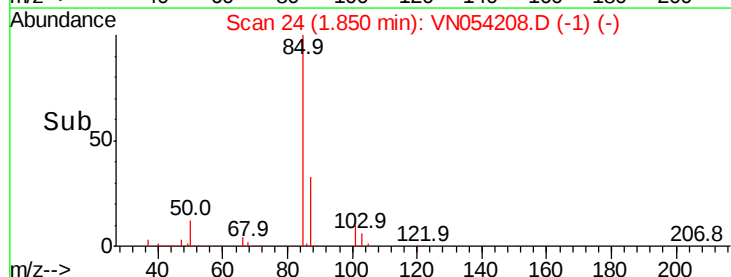
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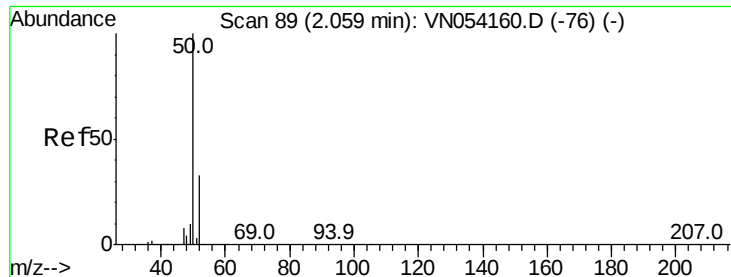
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 19.724 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 50 Resp: 249158

Ion Ratio Lower Upper

50 100

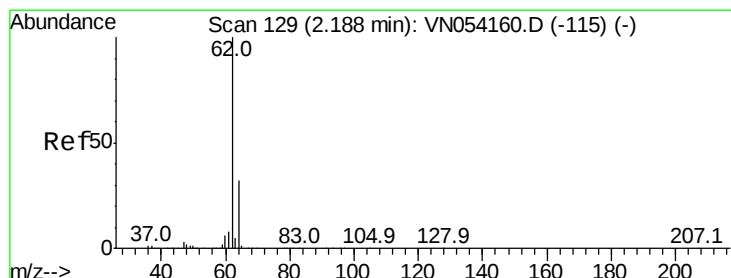
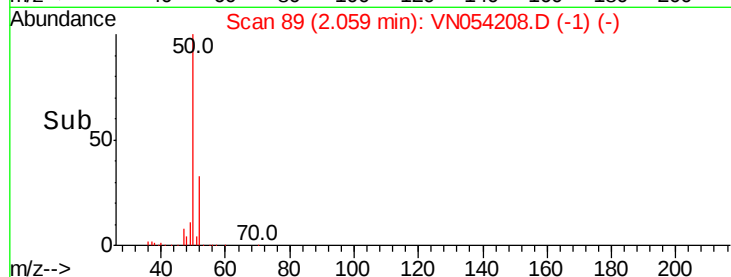
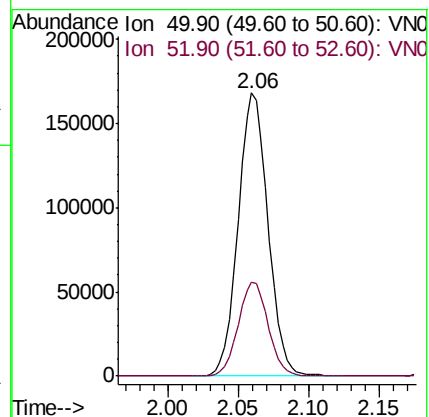
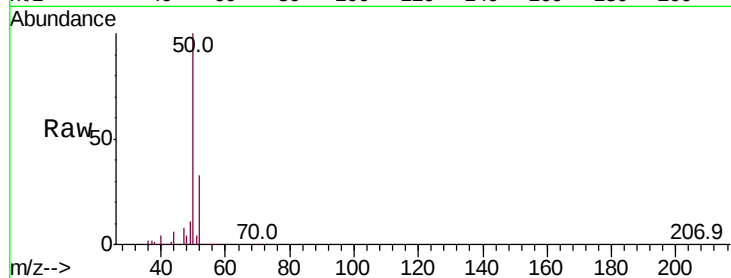
52 33.2 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.477 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054208.D

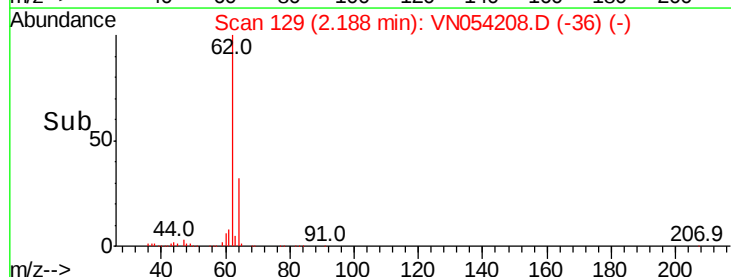
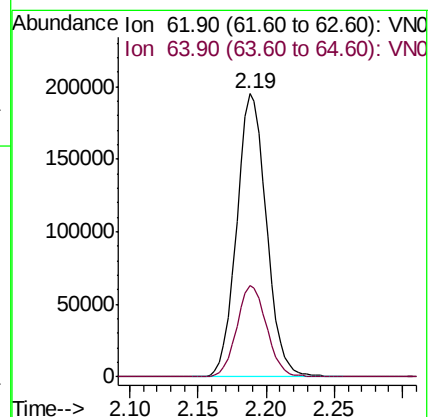
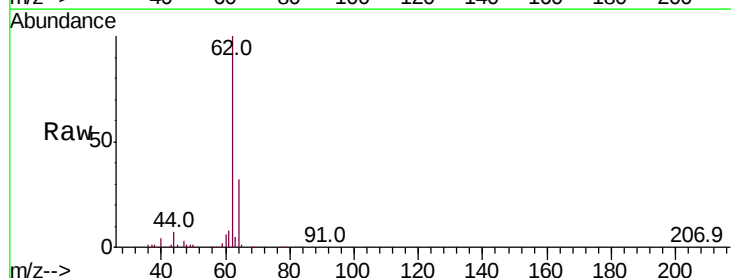
Acq: 13 Mar 2019 13:29

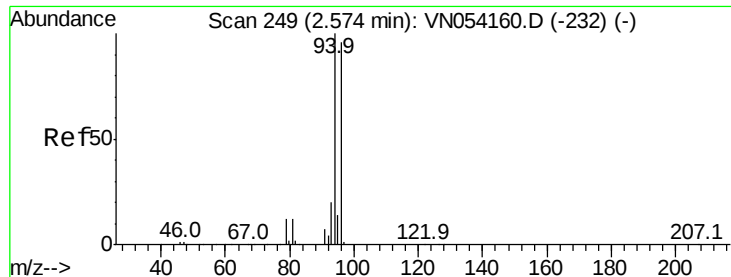
Tgt Ion: 62 Resp: 295653

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 20.831 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

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Tot Ion: 94 Resp: 208308

Ion Ratio Lower Upper

94 100

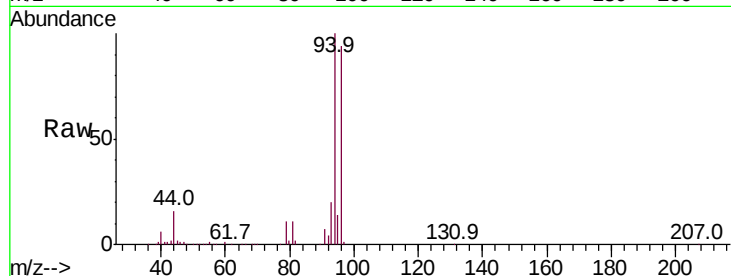
96 93.8 77.0 115.4

Manual Integrations

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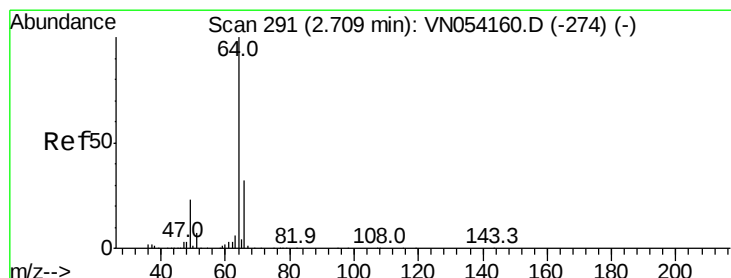
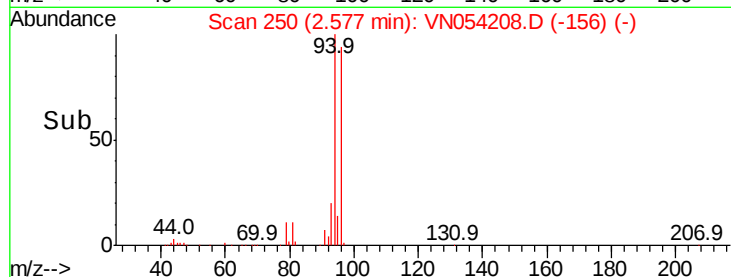
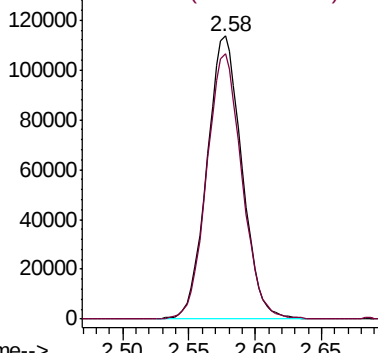
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.690 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054208.D

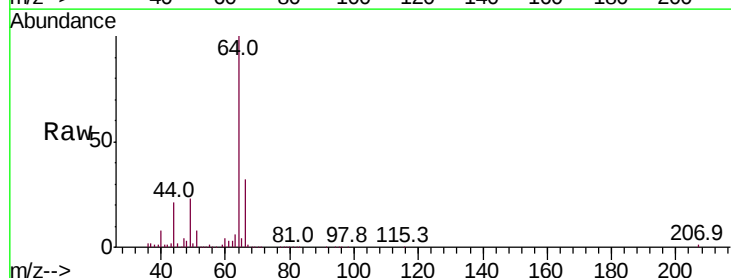
Acq: 13 Mar 2019 13:29

Tgt Ion: 64 Resp: 172005

Ion Ratio Lower Upper

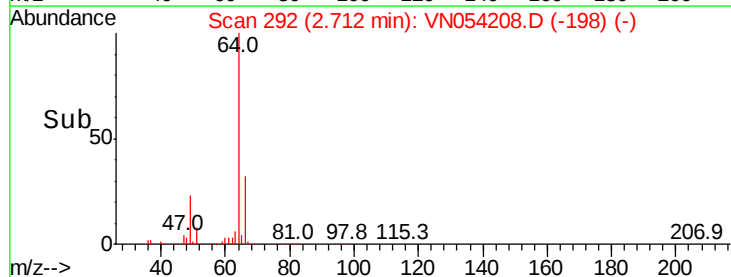
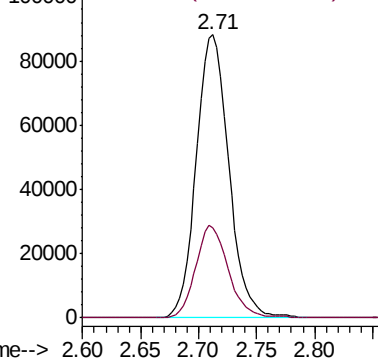
64 100

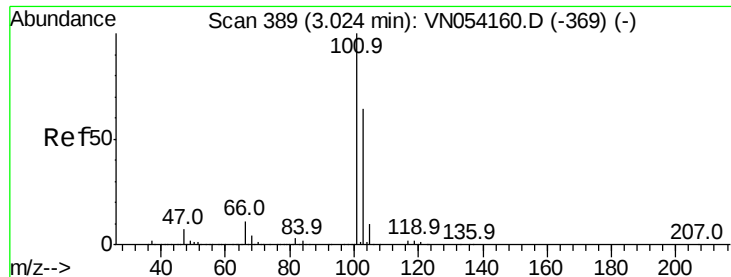
66 31.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

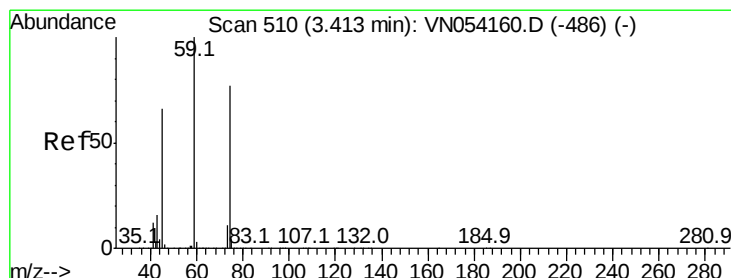
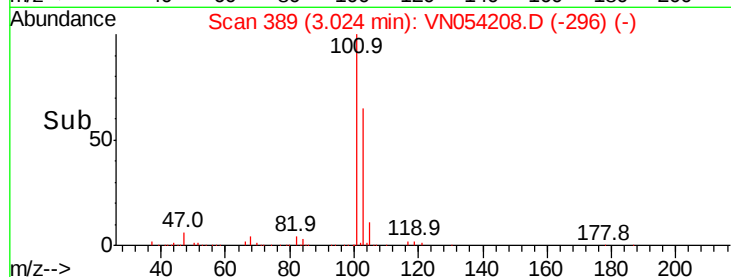
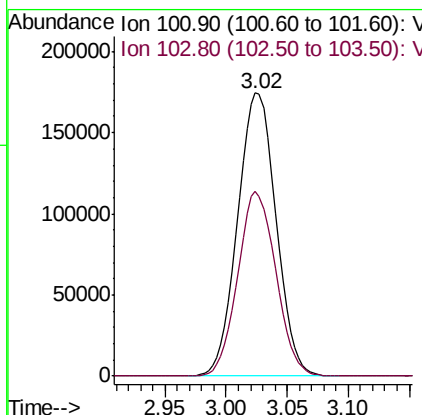
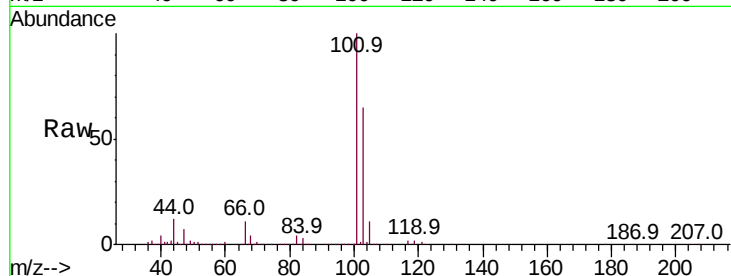
Trichlorofluoromethane
 Concen: 19.803 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.4	77.2

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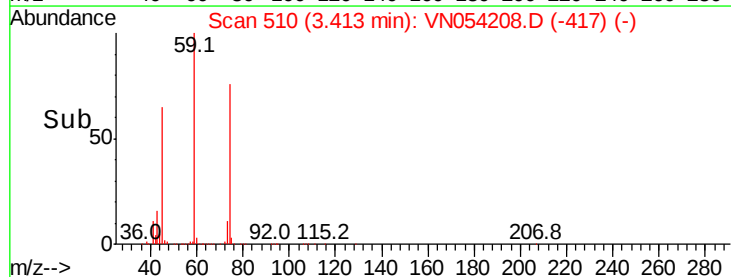
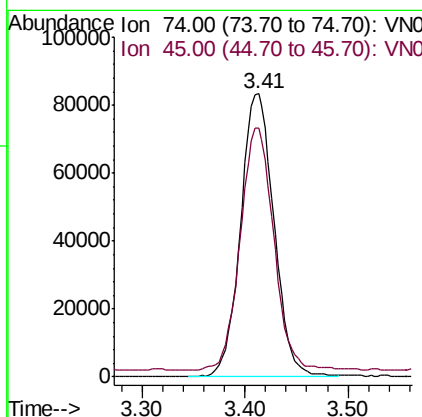
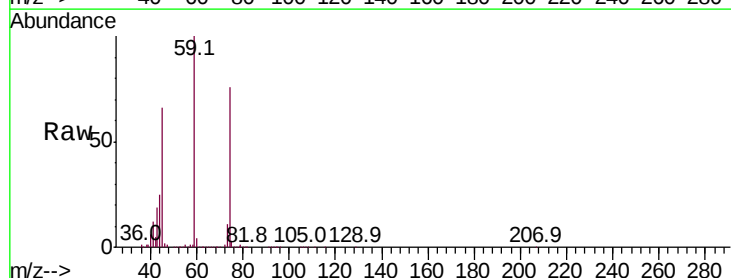
MMDadoda
 3/14/2019 10:27:19 AM

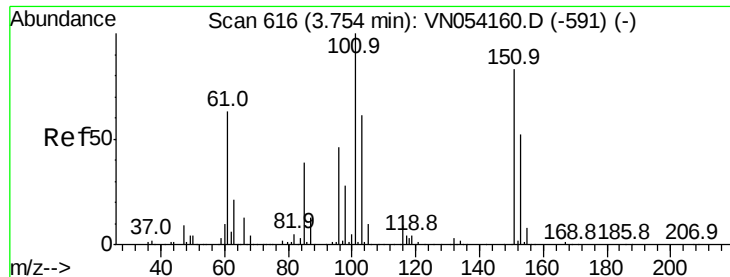


#8

Diethyl Ether
 Concen: 21.490 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.184 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

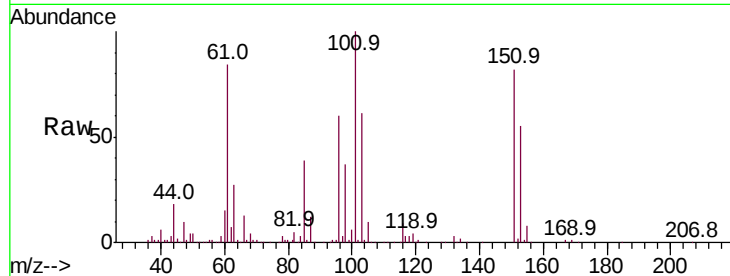
ClientSampleId :

VN0313WBSD01

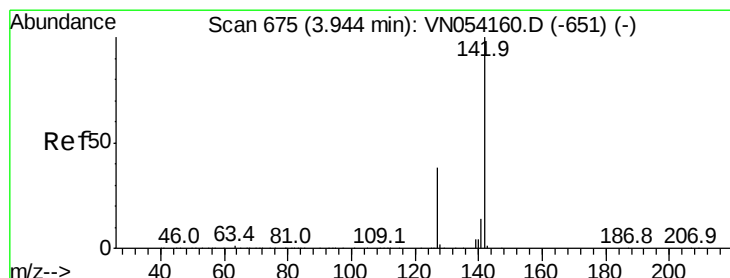
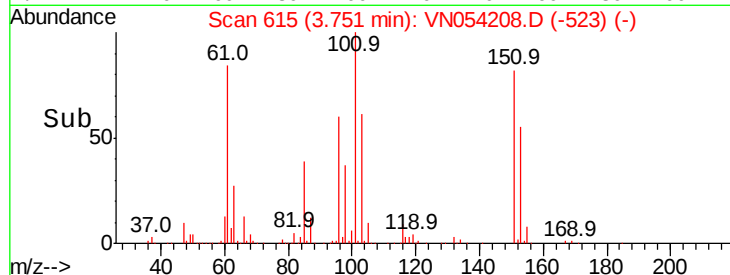
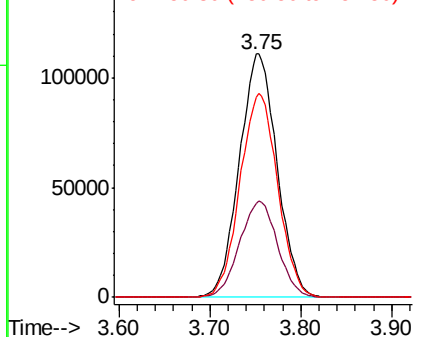
Tot Ion:	101	Resp:	319107
Ion Ratio	Lower	Upper	
101	100		
85	39.7	32.4	48.6
151	83.7	68.2	102.2

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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: 18.151 ug/l

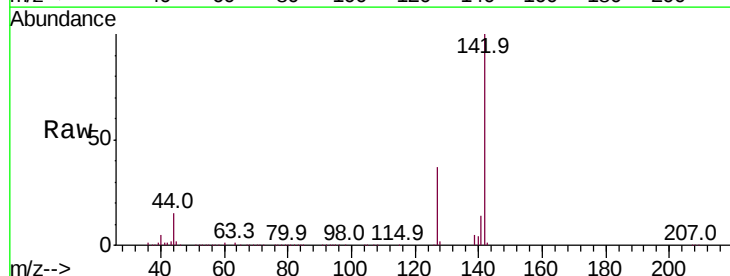
RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

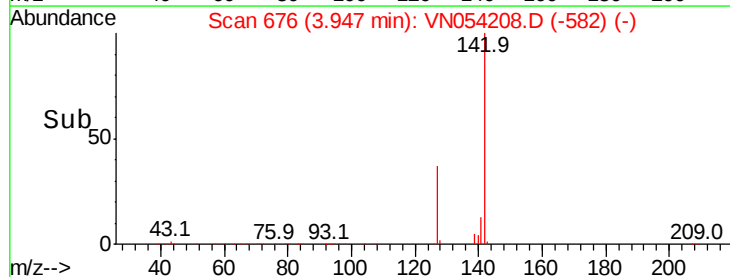
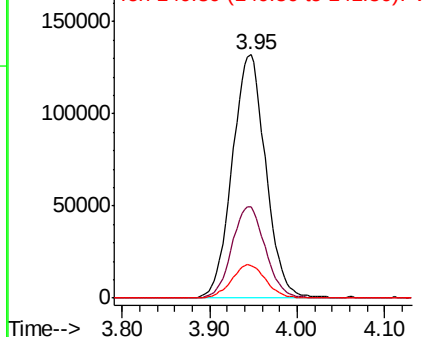
Lab File: VN054208.D

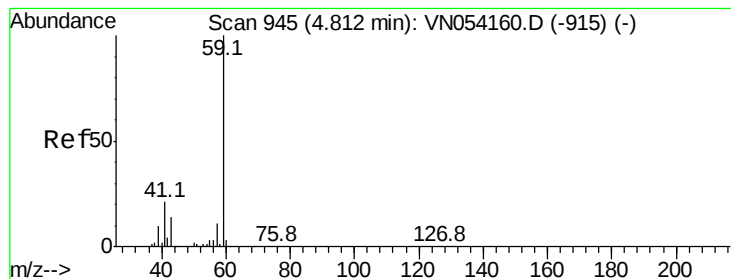
Acq: 13 Mar 2019 13:29

Tgt Ion:	142	Resp:	350720
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.3	45.5
141	14.1	11.2	16.8



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

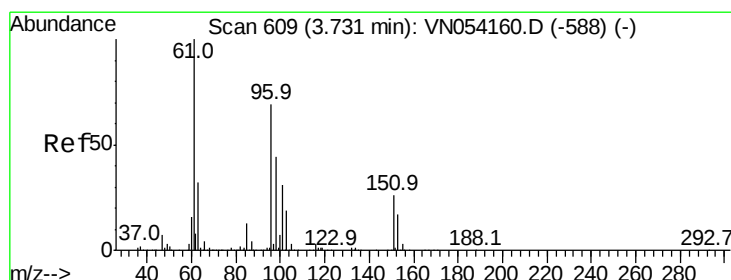
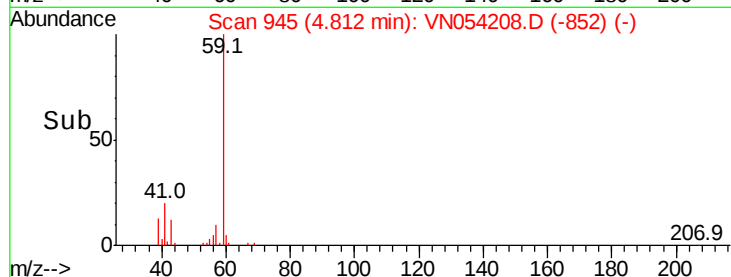
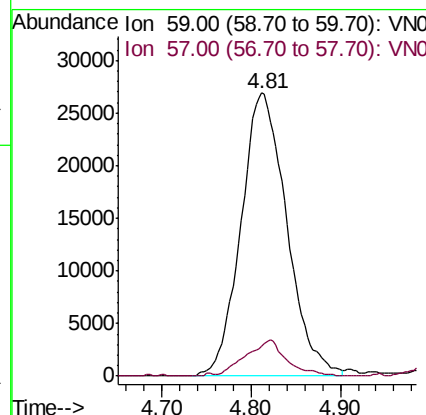
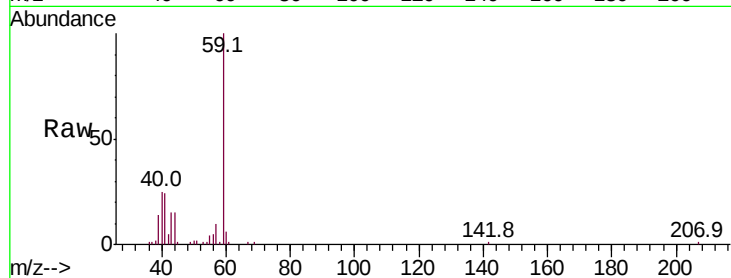
Tert butyl alcohol
 Concen: 96.202 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion	59	Resp	96105
Ion Ratio	100	Lower	Upper
59	100		
57	11.4	9.0	13.6

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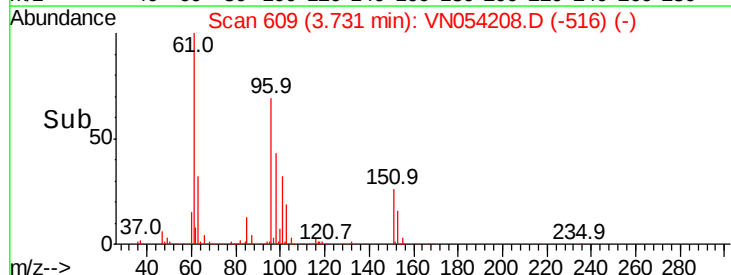
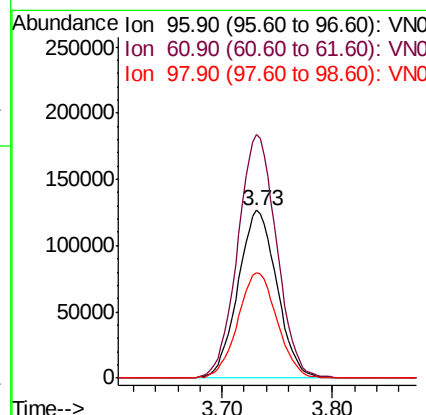
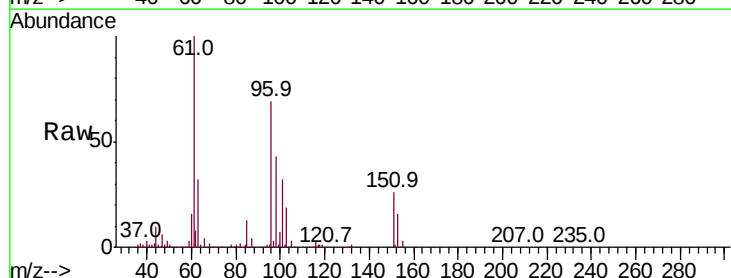
MMDadoda
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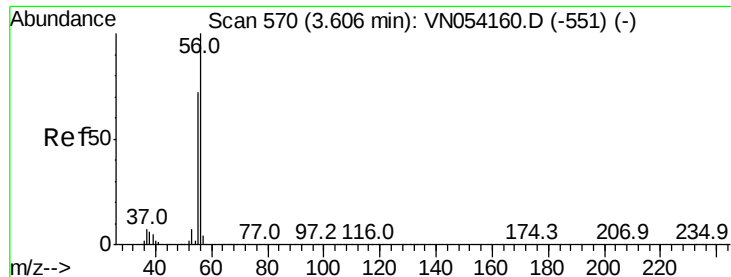


#12

1,1-Dichloroethene
 Concen: 21.467 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion	96	Resp	306010
Ion Ratio	100	Lower	Upper
96	100		
61	145.3	116.5	174.7
98	63.0	51.0	76.4





#13

Acrolein

Concen: 83.287 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampled :

VN0313WBSD01

Tot Ion: 56 Resp: 78842

Ion Ratio Lower Upper

56 100

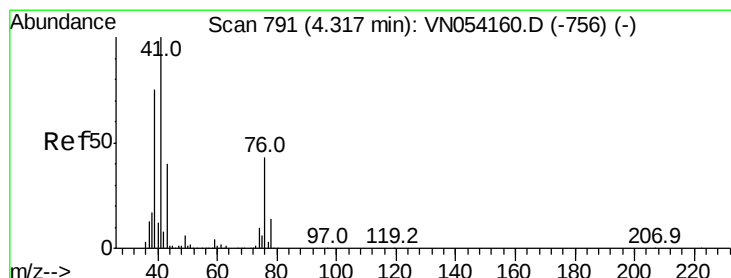
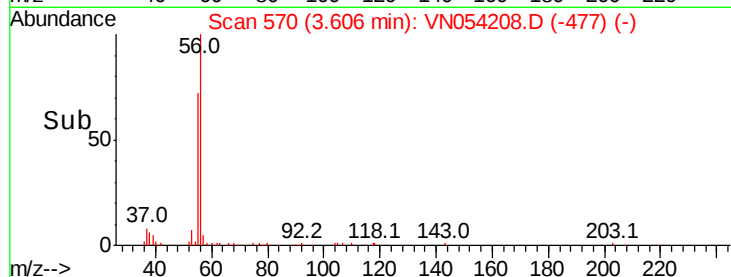
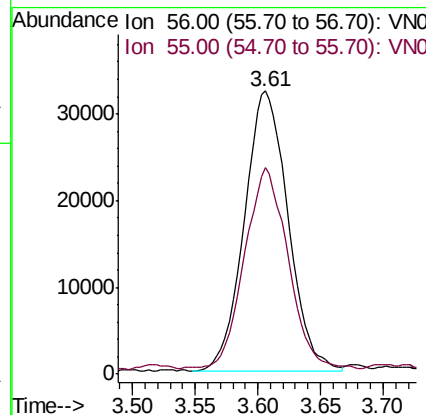
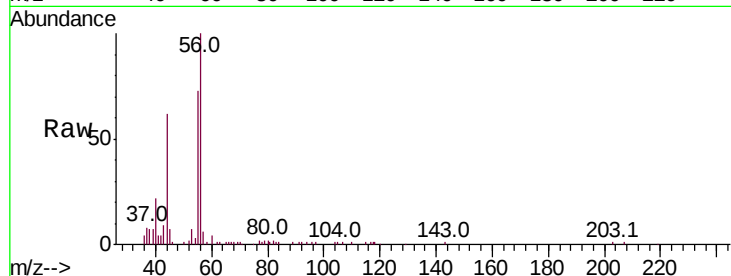
55 70.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.315 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

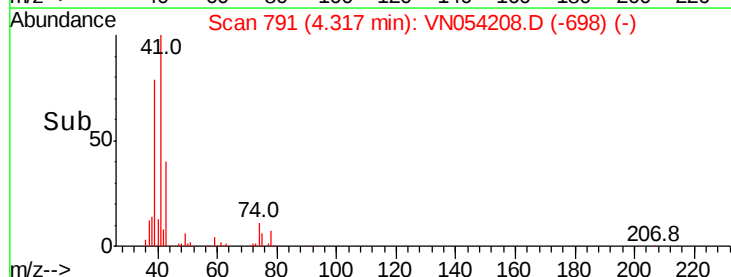
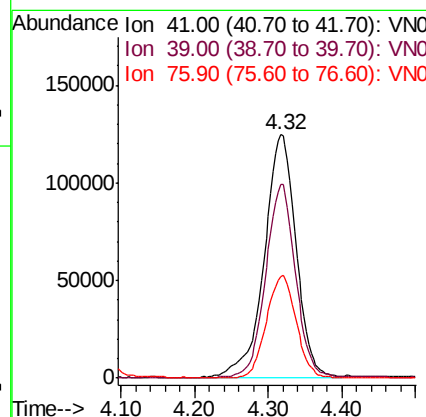
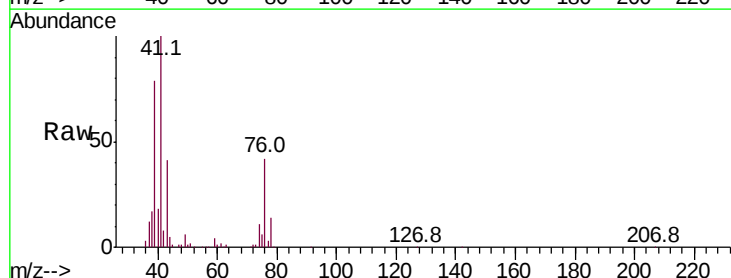
Tgt Ion: 41 Resp: 371551

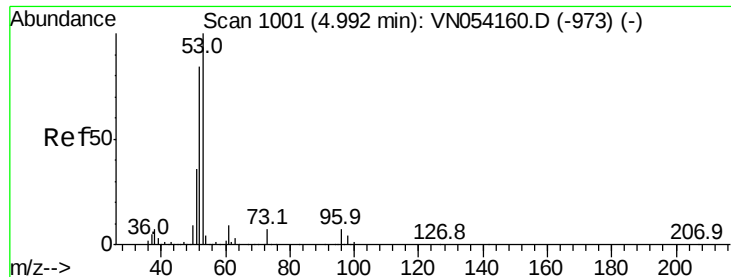
Ion Ratio Lower Upper

41 100

39 74.4 58.2 87.4

76 39.2 31.7 47.5





#15

Acrylonitrile

Concen: 105.019 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

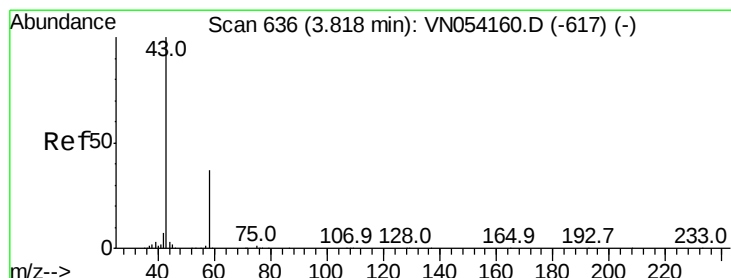
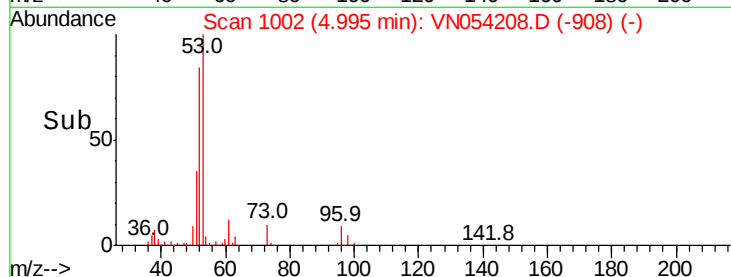
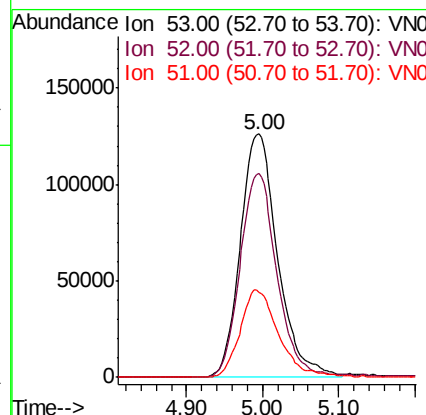
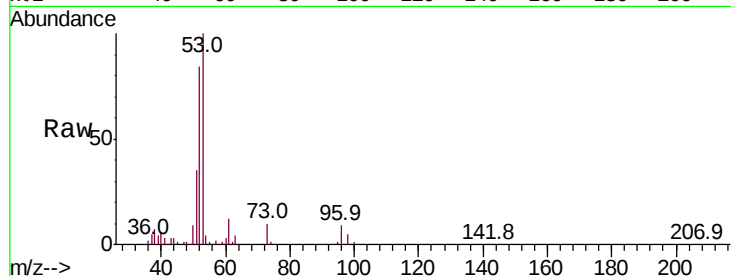
ClientSampleId :

VN0313WBSD01

Tot Ion:	53	Resp:	430953
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.1	29.6	44.4

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#16

Acetone

Concen: 87.331 ug/l

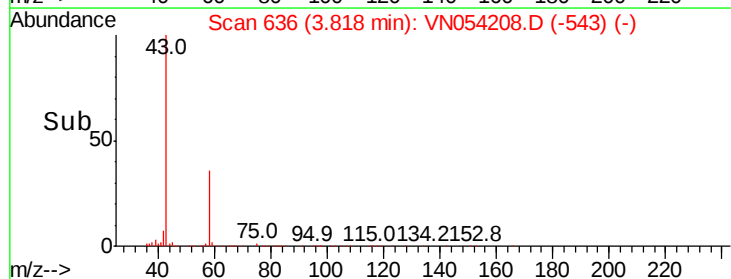
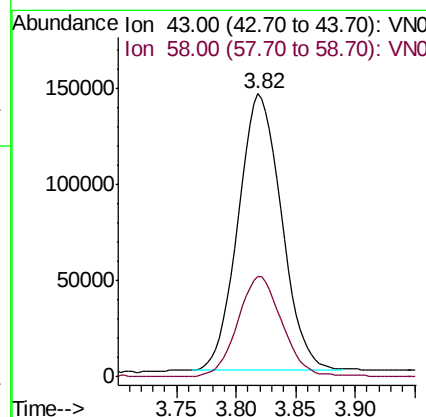
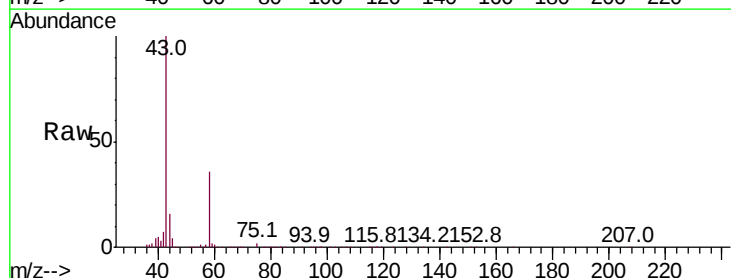
RT: 3.82 min Scan# 636

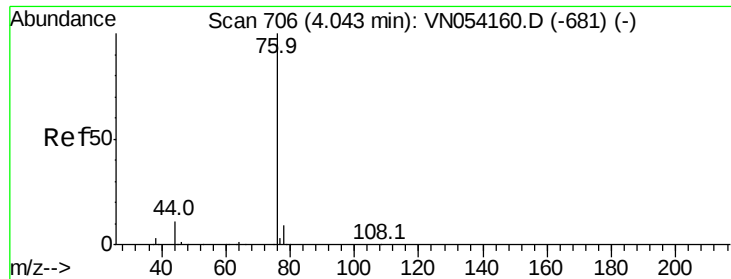
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	43	Resp:	364380
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.9	44.9





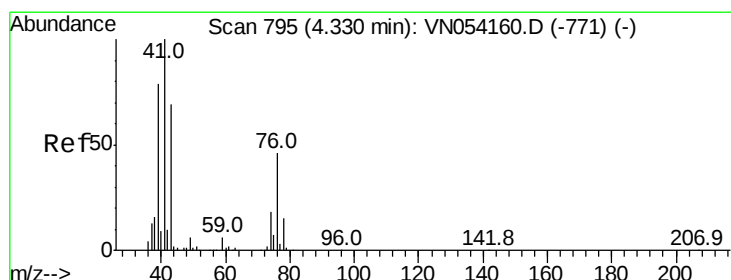
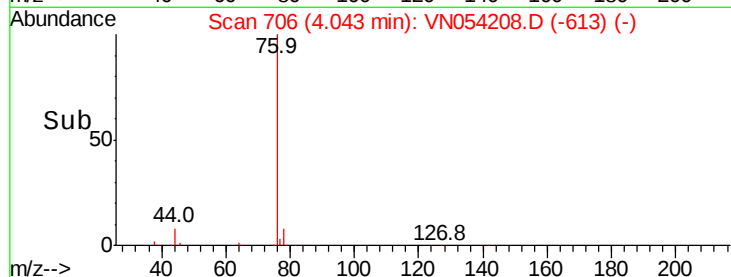
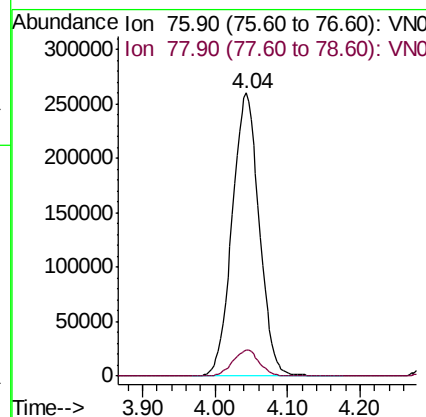
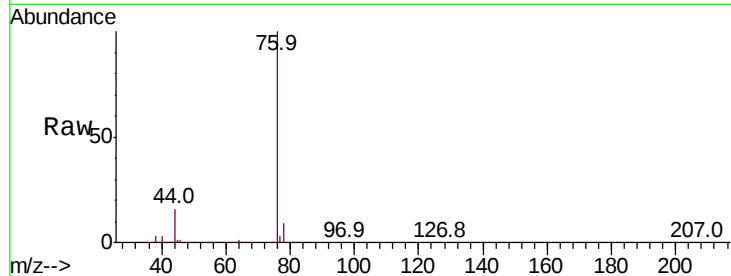
#17
Carbon Disulfide
Concen: 18.900 ug/l
RT: 4.04 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

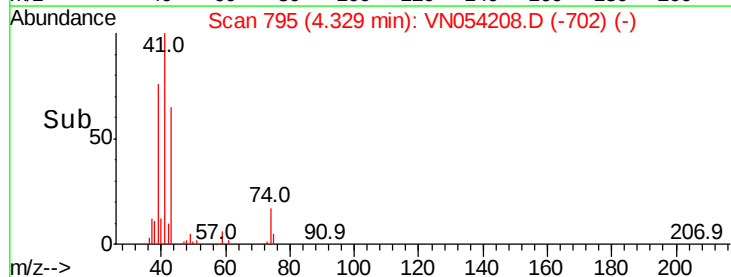
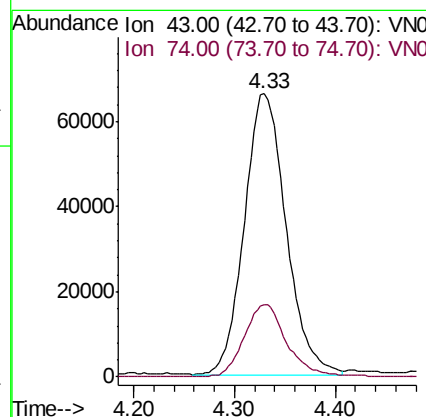
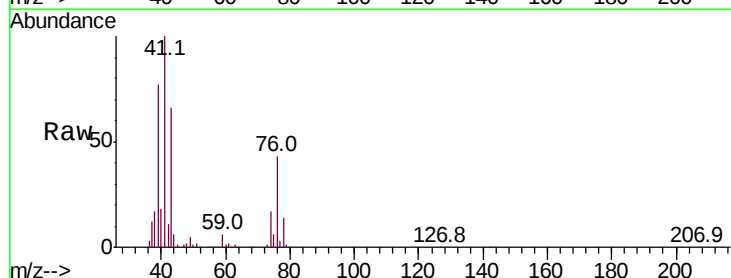
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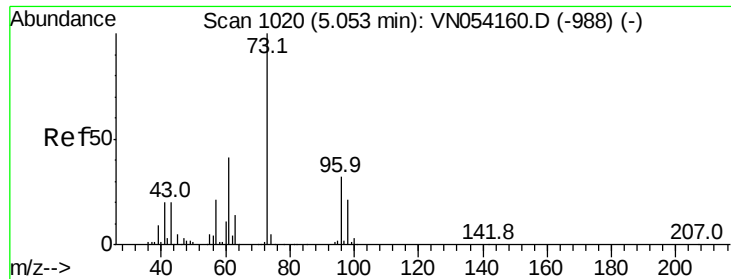
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#18
Methyl Acetate
Concen: 22.457 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	20.8	31.2





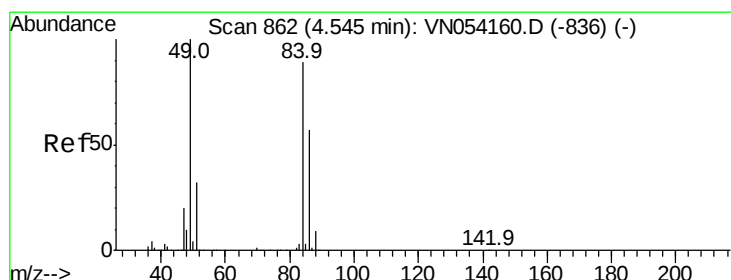
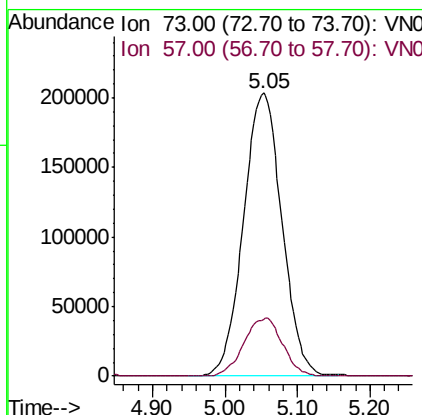
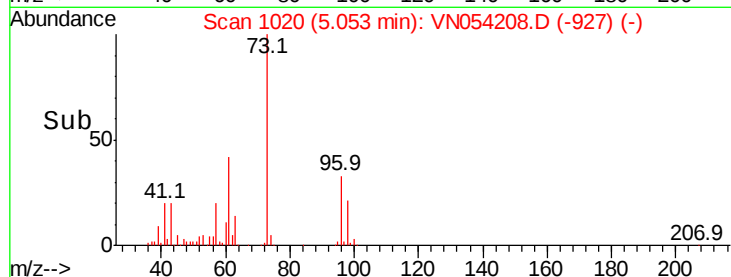
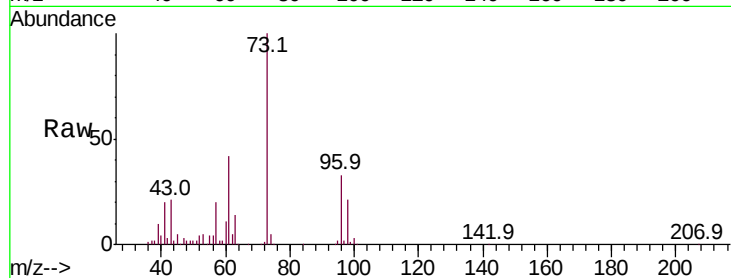
#19
Methvl tert-butvl Ether
Concen: 21.258 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion: 73 Resp: 751134
Ion Ratio Lower Upper
73 100
57 19.9 16.8 25.2

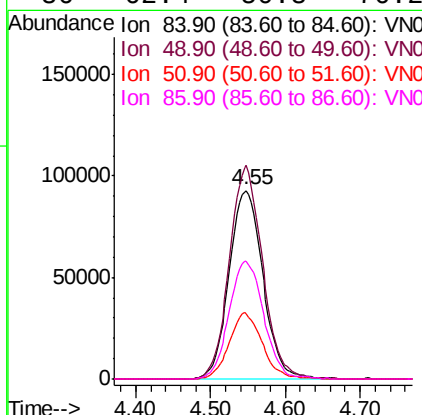
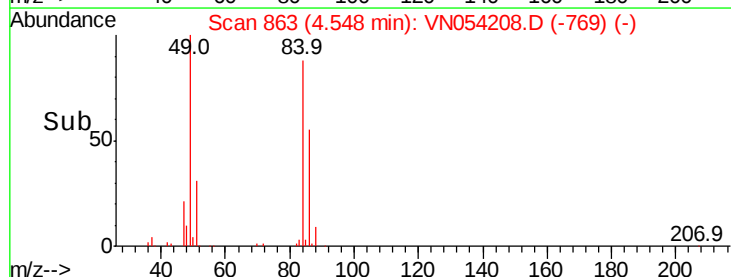
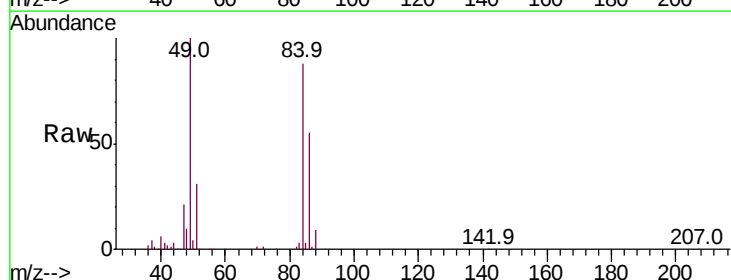
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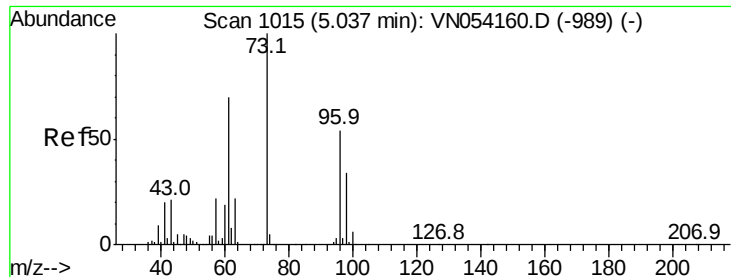
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#20
Methylene Chloride
Concen: 21.339 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion: 84 Resp: 292342
Ion Ratio Lower Upper
84 100
49 113.4 89.7 134.5
51 34.8 28.2 42.4
86 62.4 50.8 76.2





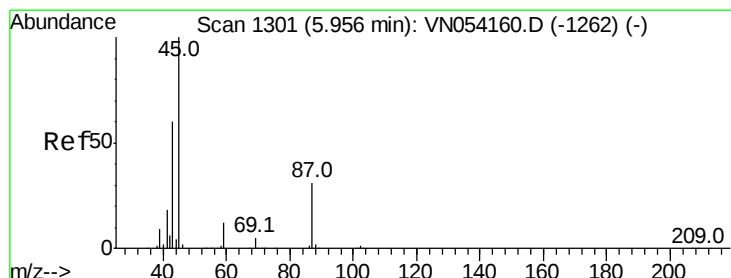
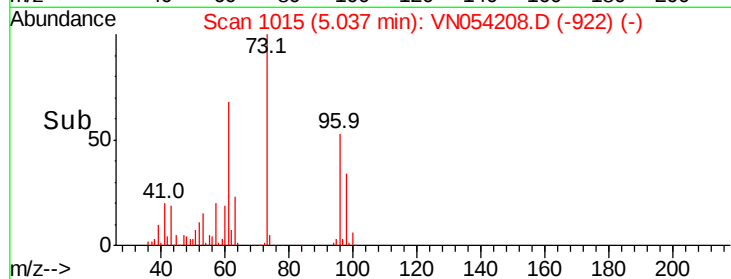
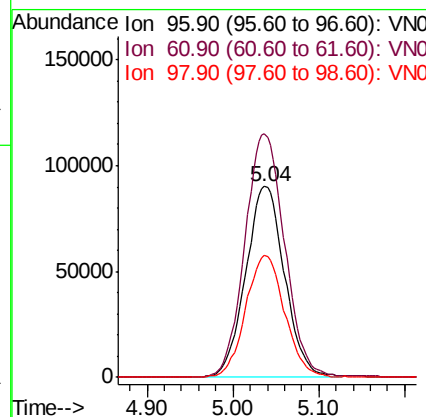
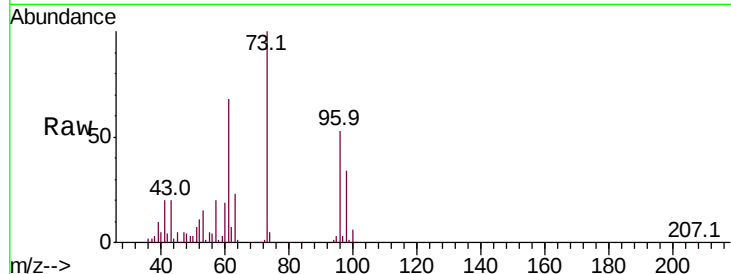
#21
trans-1,2-Dichloroethene
Concen: 20.831 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	102.8	154.2
98	64.1	50.0	75.0

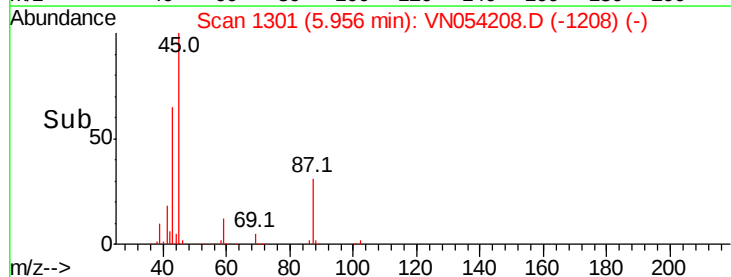
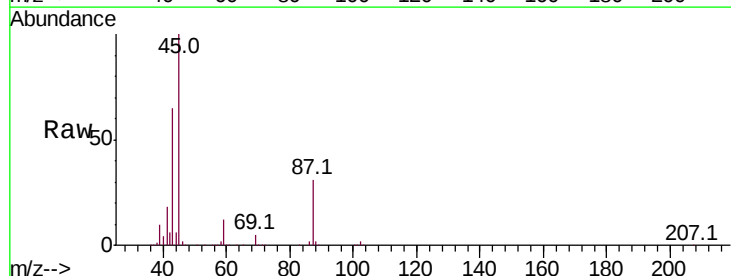
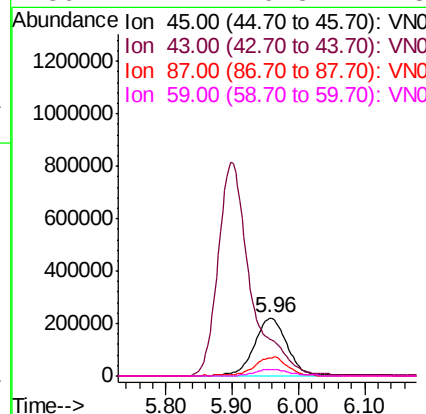
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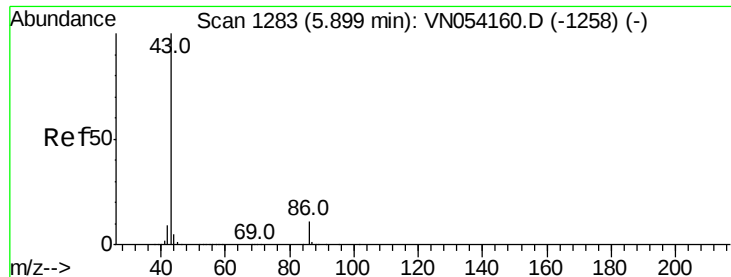
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#22
Diisopropyl ether
Concen: 20.938 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.2	72.2
87	31.0	24.9	37.3
59	11.1	9.5	14.3





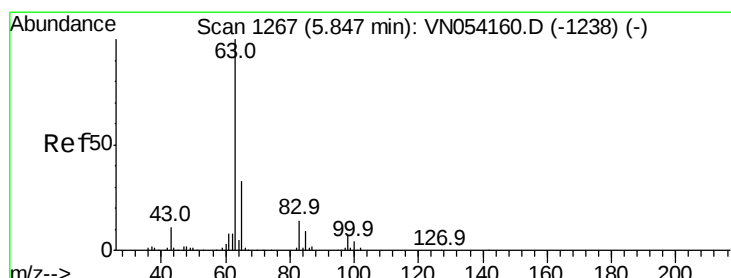
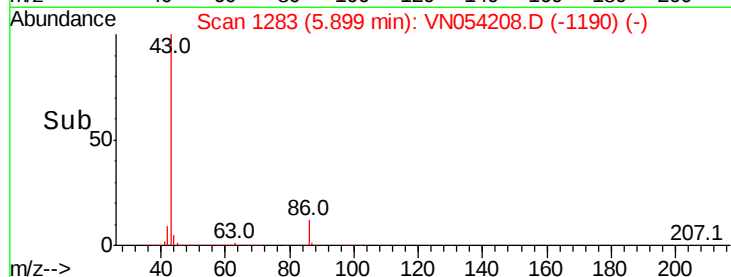
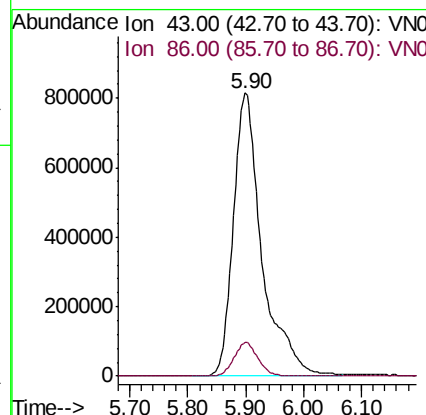
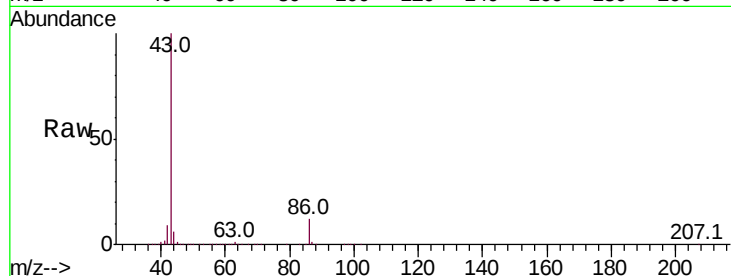
#23
 Vinyl Acetate
 Concen: 103.619 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion: 43 Resp: 2788809
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.1 13.7

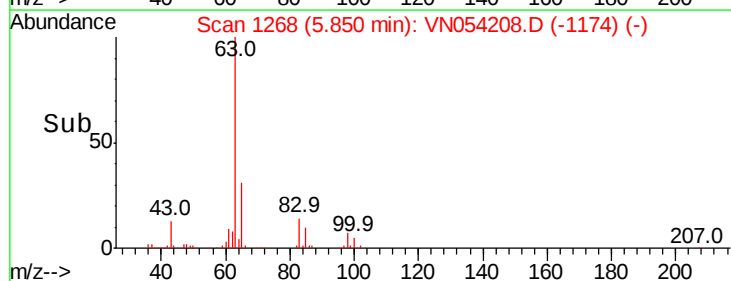
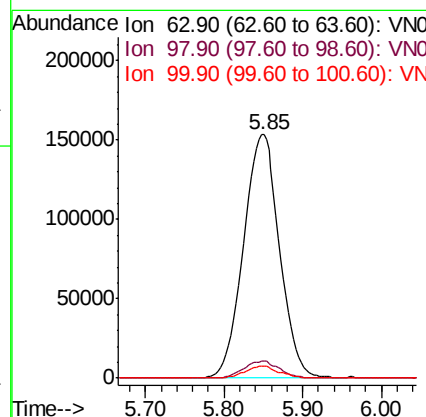
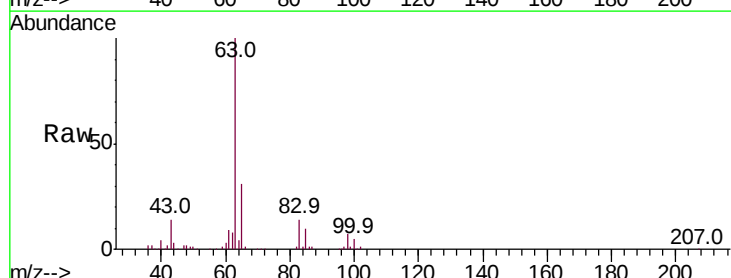
Manual Integrations
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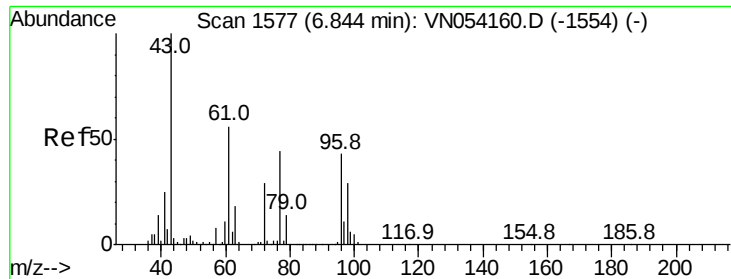
MMDadoda
 3/14/2019 10:27:19 AM



#24
 1,1-Dichloroethane
 Concen: 21.084 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion: 63 Resp: 494159
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.5
 100 4.9 2.0 6.0





#25

2-Butanone

Concen: 101.086 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 43 Resp: 495027

Ion Ratio Lower Upper

43 100

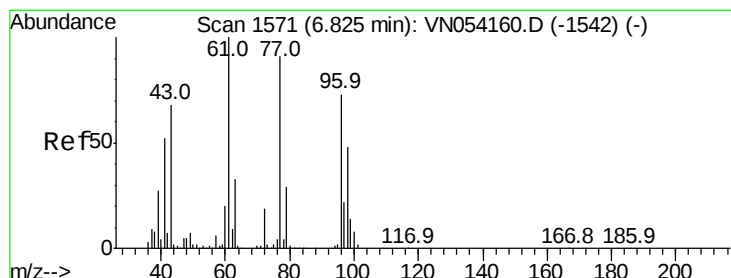
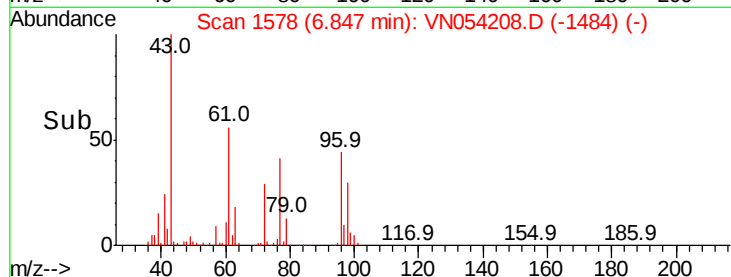
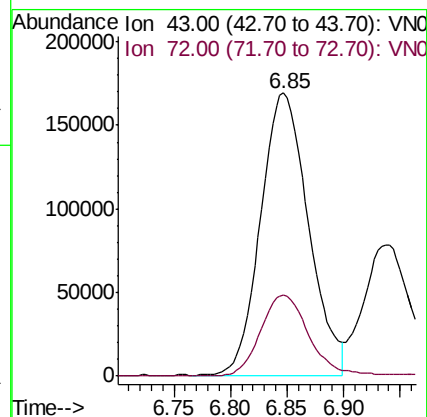
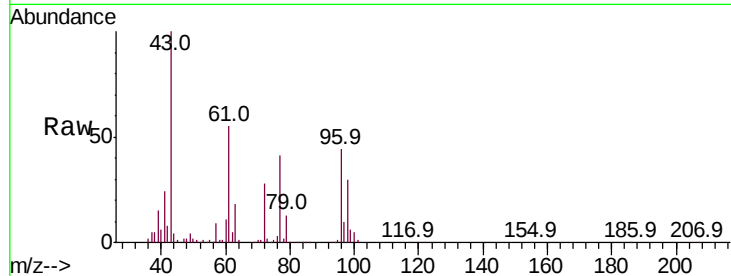
72 28.6 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.015 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054208.D

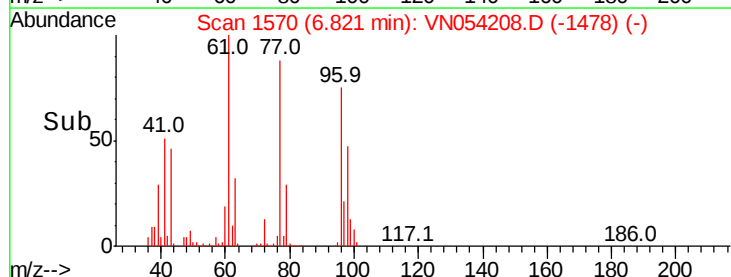
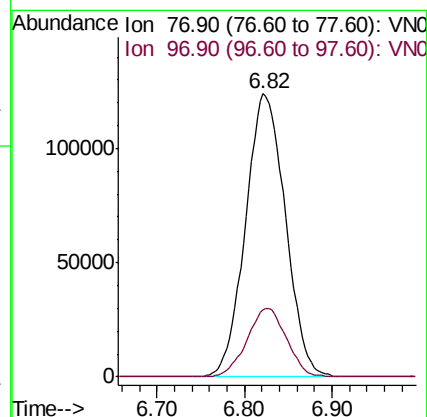
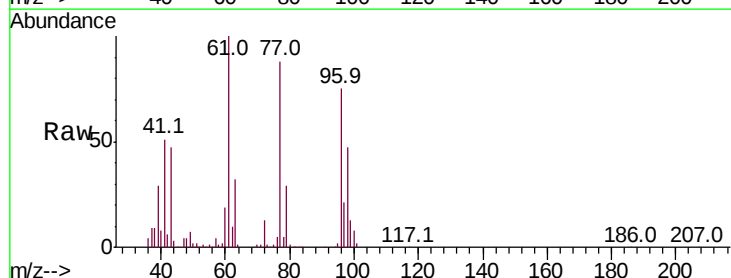
Acq: 13 Mar 2019 13:29

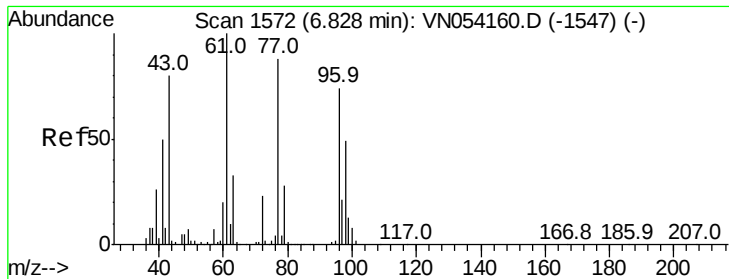
Tgt Ion: 77 Resp: 391930

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.588 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

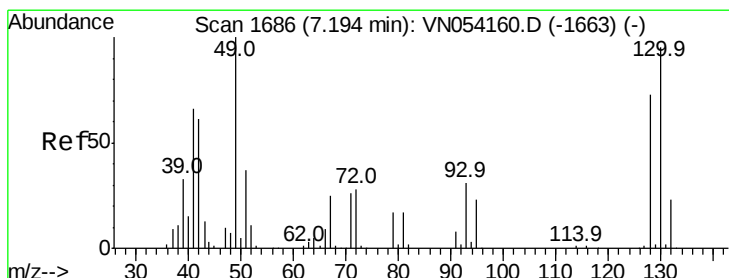
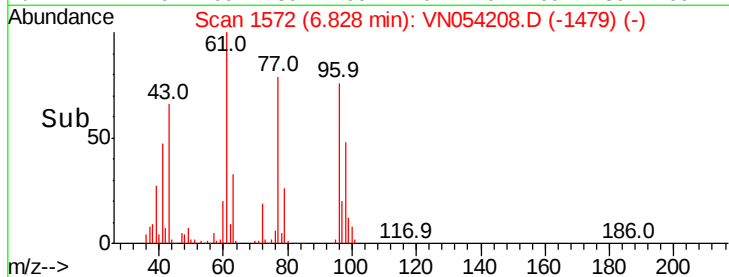
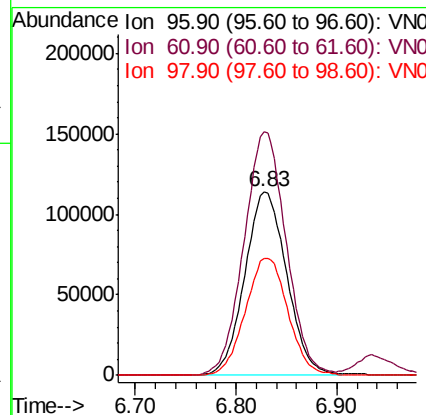
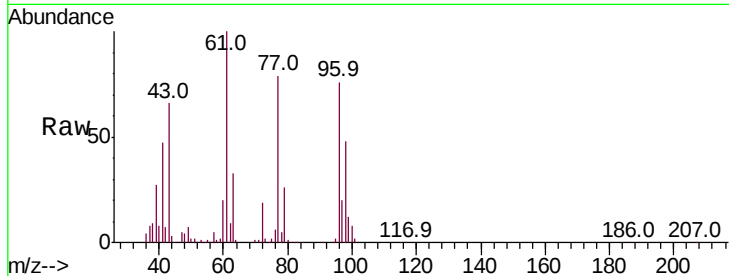
ClientSampleId :

VN0313WBSD01

Tot Ion	96	Resp	328939
Ion	Ratio	Lower	Upper
96	100		
61	133.6	0.0	273.0
98	64.9	0.0	130.6

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3/14/2019 10:27:19 AM



#28

Bromochloromethane

Concen: 21.016 ug/l

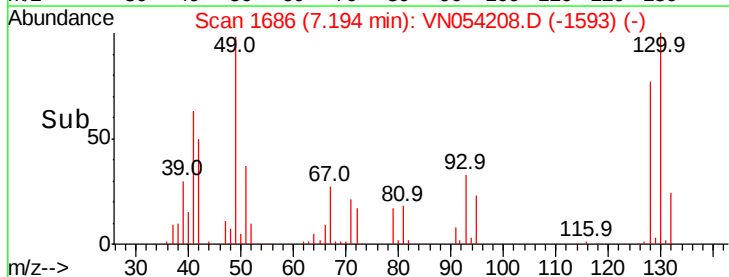
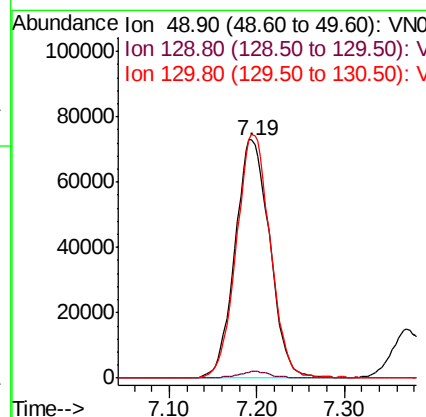
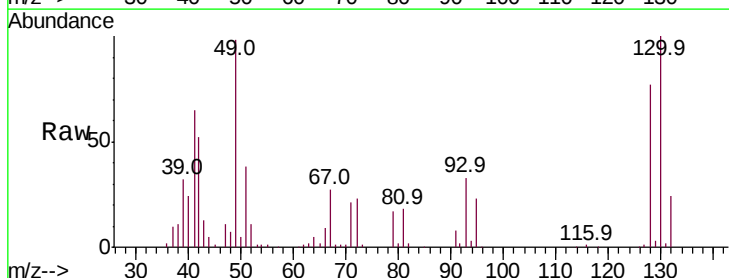
RT: 7.19 min Scan# 1686

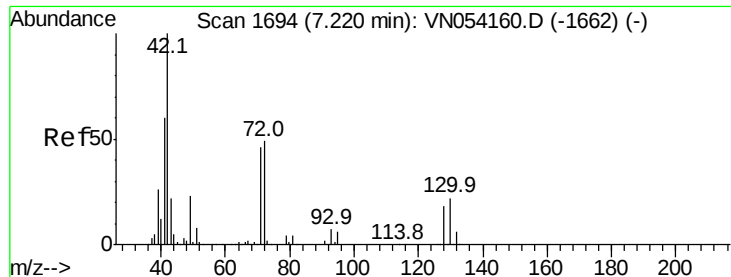
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion	49	Resp	201370
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	99.4	76.7	115.1





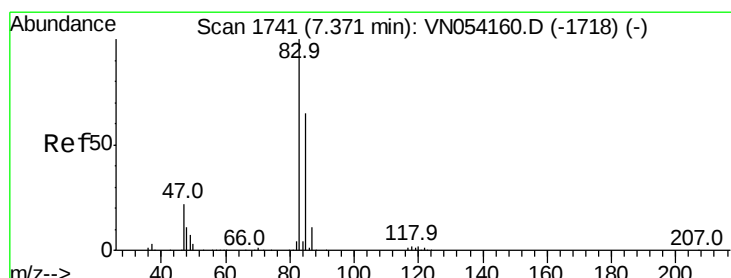
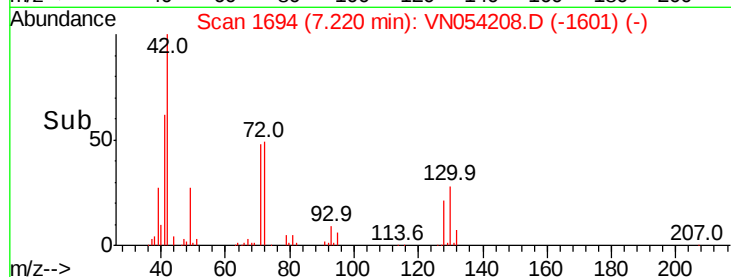
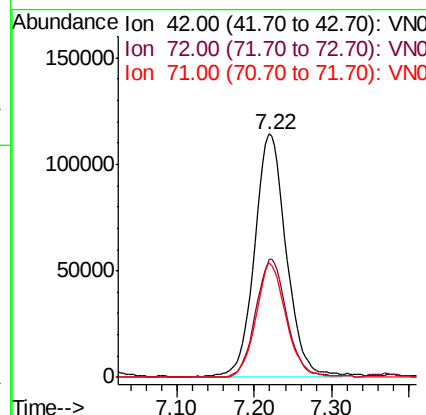
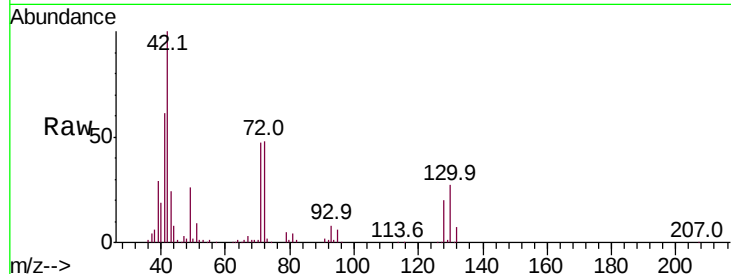
#29
Tetrahydrofuran
Concen: 103.531 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.8	56.6
71	44.7	36.2	54.2

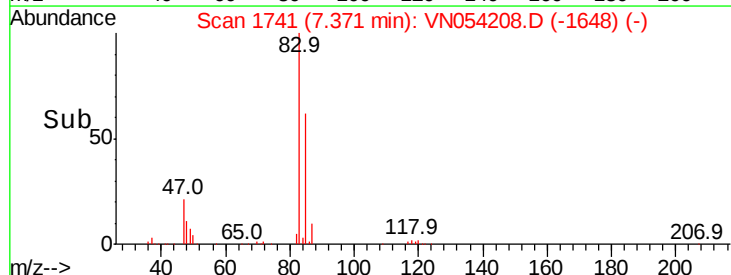
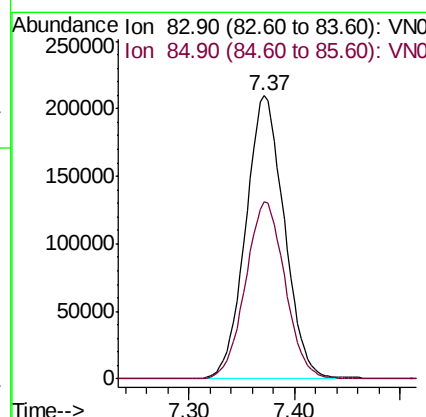
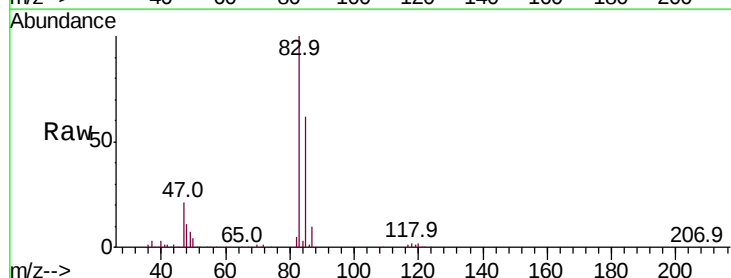
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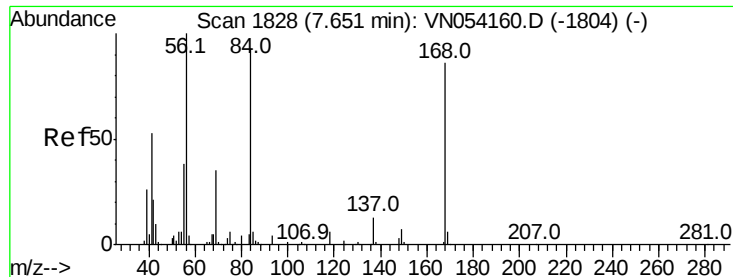
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#30
Chloroform
Concen: 21.833 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4





#31

Cyclohexane

Concen: 20.347 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

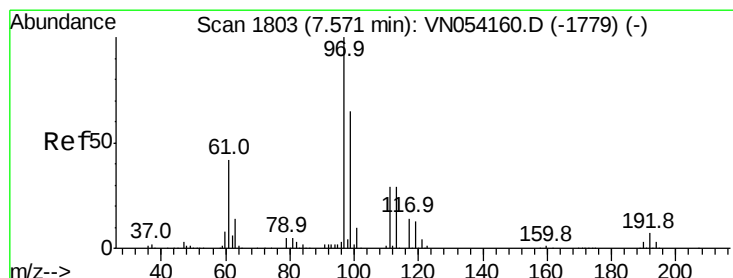
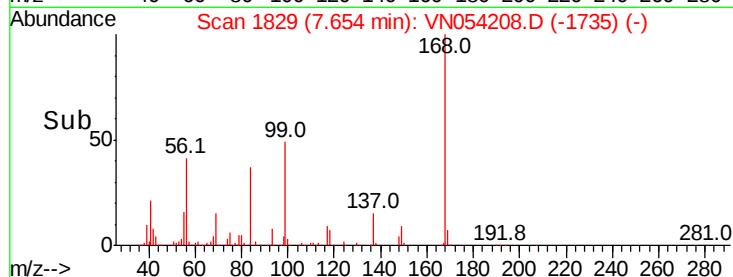
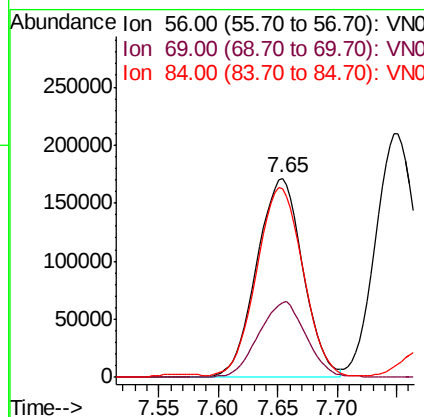
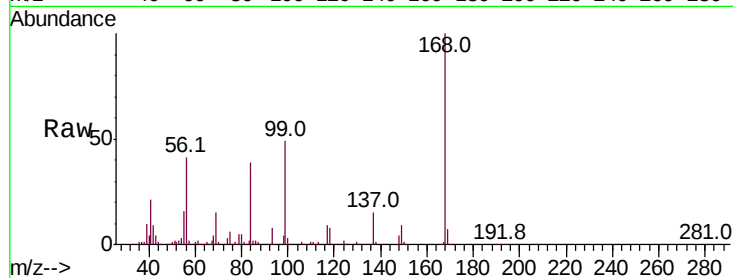
ClientSampled :

VN0313WBSD01

Tot Ion:	56	Resp:	461802
Ion	Ratio	Lower	Upper
56	100		
69	37.8	27.8	41.6
84	92.9	74.6	111.8

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#32

1,1,1-Trichloroethane

Concen: 20.532 ug/l

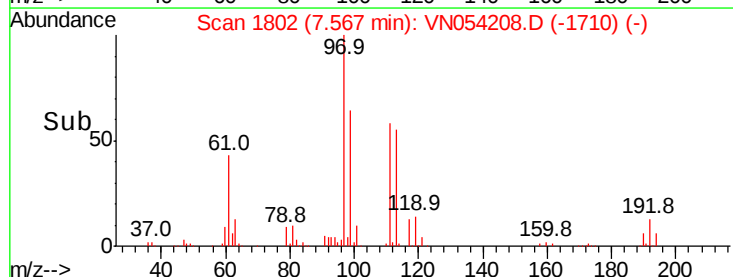
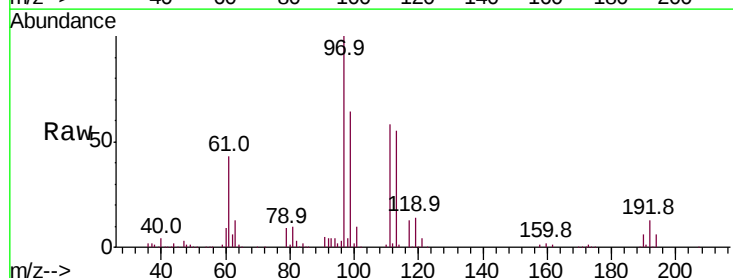
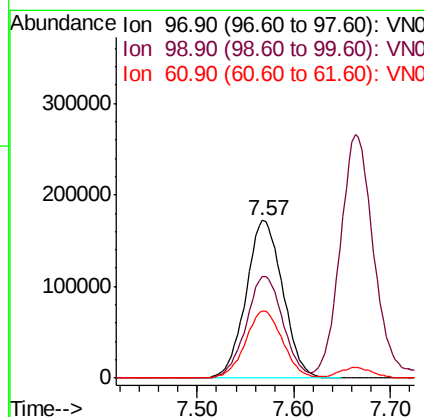
RT: 7.57 min Scan# 1802

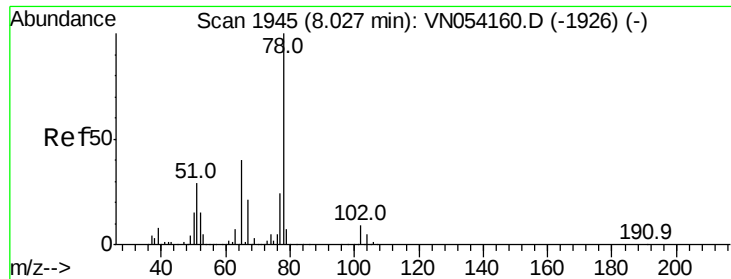
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	97	Resp:	453518
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	43.0	33.6	50.4





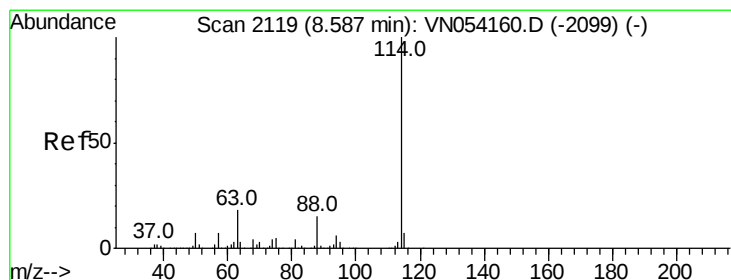
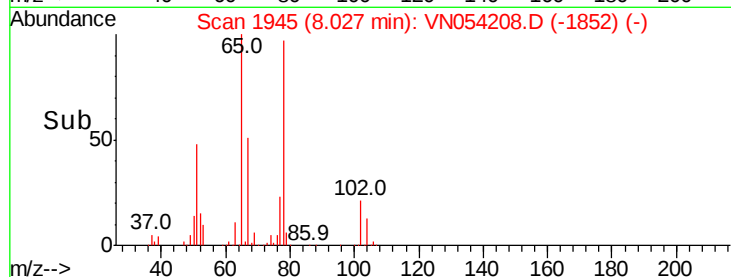
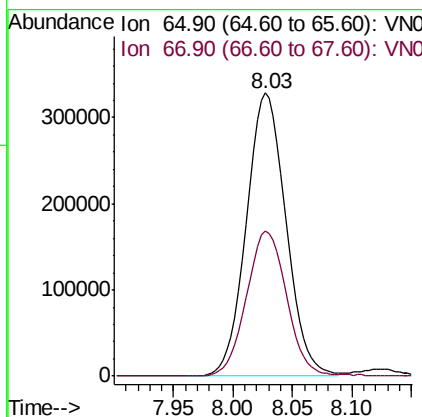
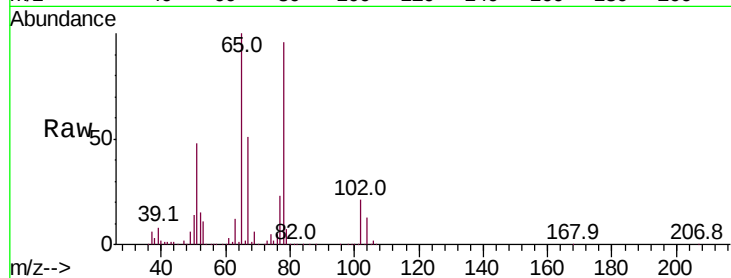
#33
 1,2-Dichloroethane-d4
 Concen: 52.054 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.6

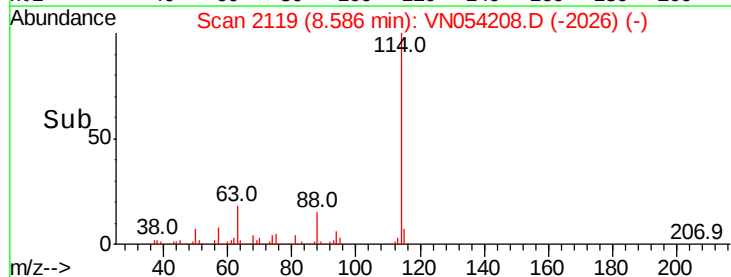
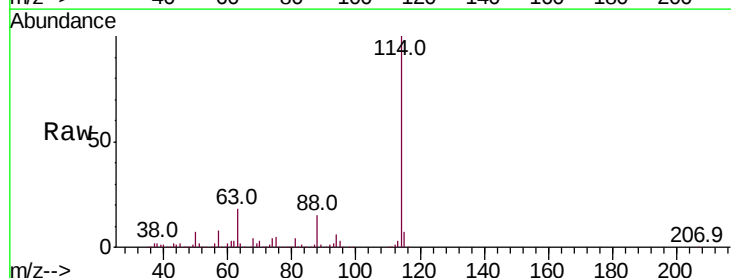
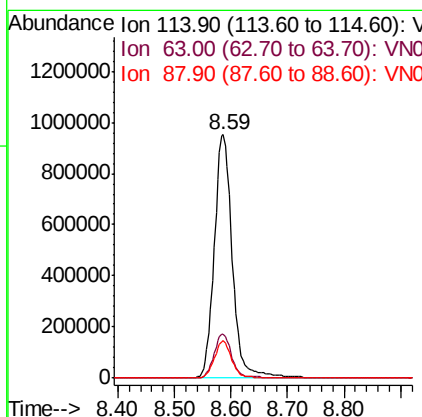
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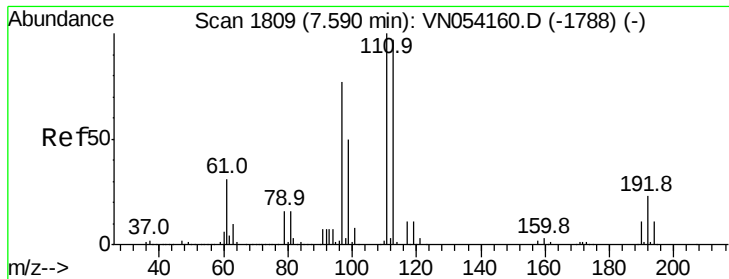
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	35.2
88	15.2	0.0	30.2





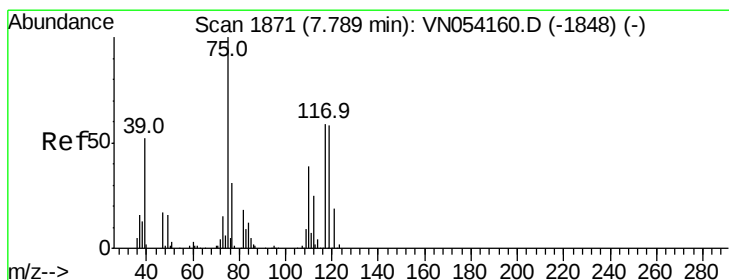
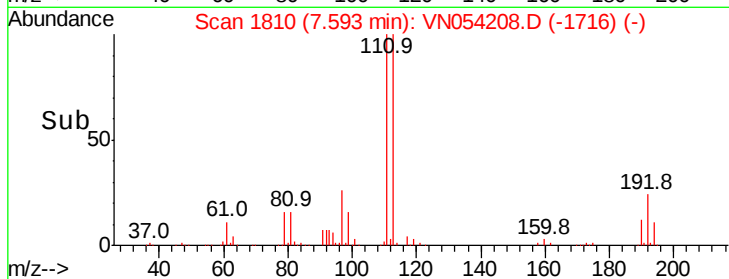
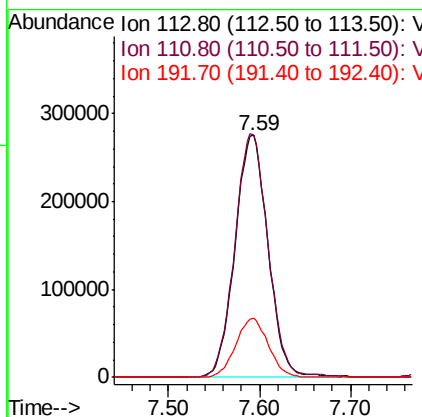
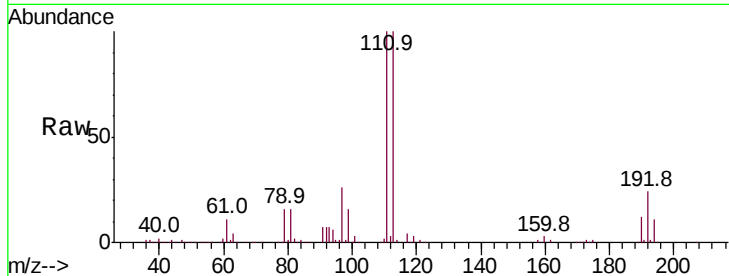
#35
Dibromofluoromethane
Concen: 50.850 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampled :
VN0313WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	692120		
111	102.1	82.2	123.4	
192	24.1	19.2	28.8	

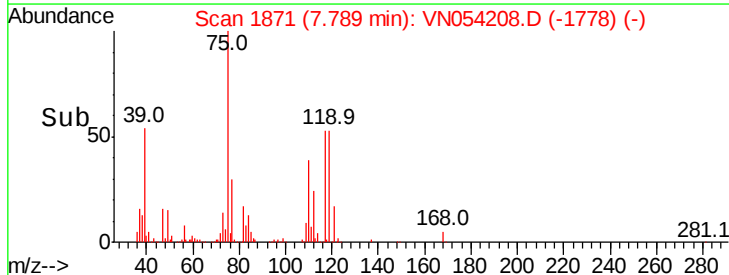
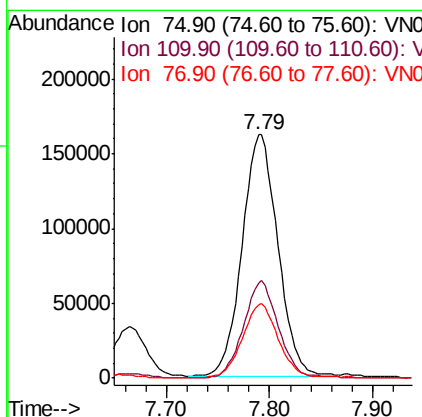
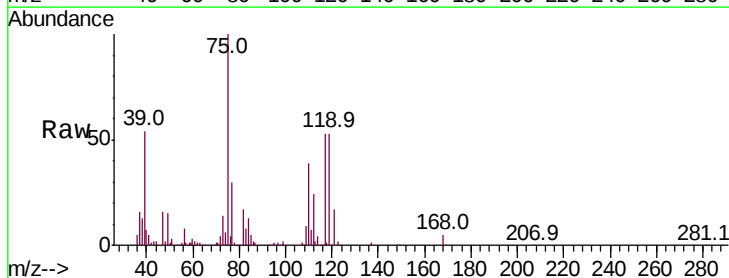
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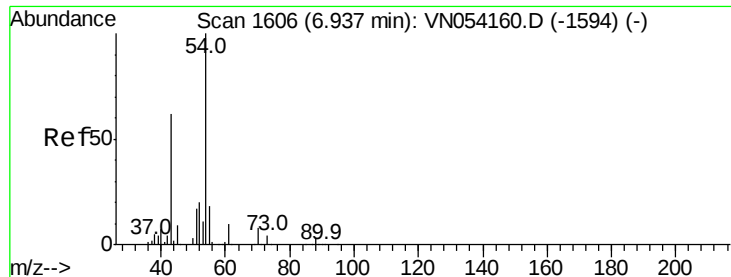
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#36
1,1-Dichloropropene
Concen: 20.088 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	390401		
110	39.3	19.1	57.5	
77	30.8	25.0	37.4	





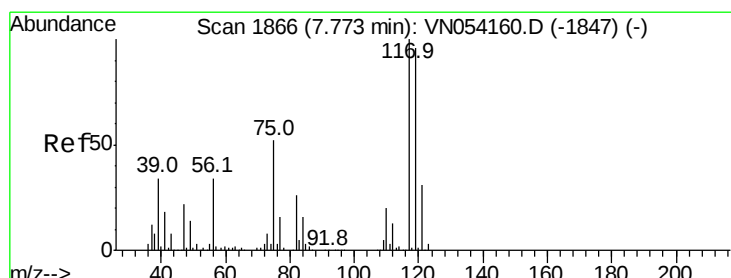
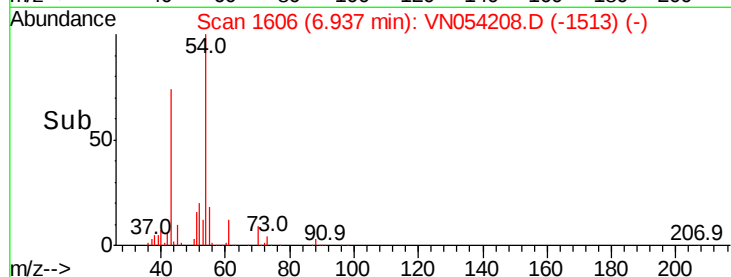
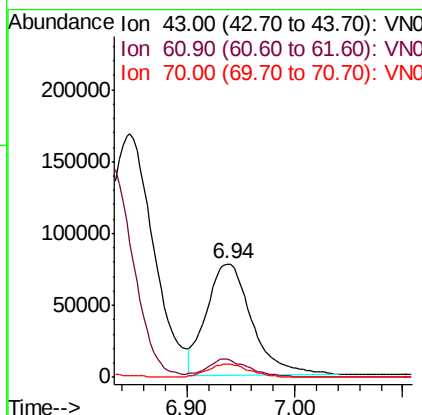
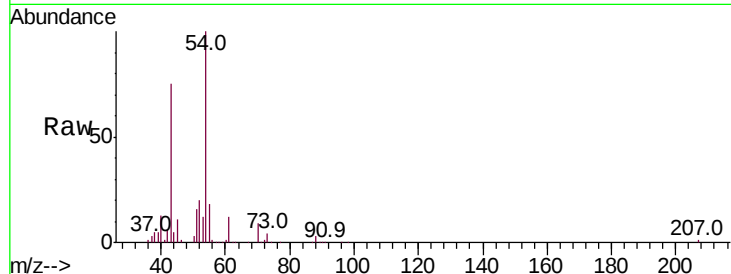
#37
Ethyl Acetate
Concen: 20.268 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.6
70	11.0	8.4	12.6

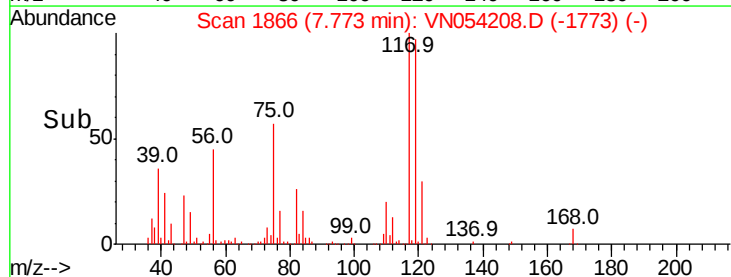
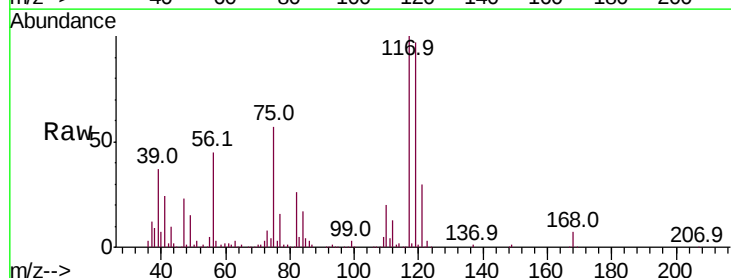
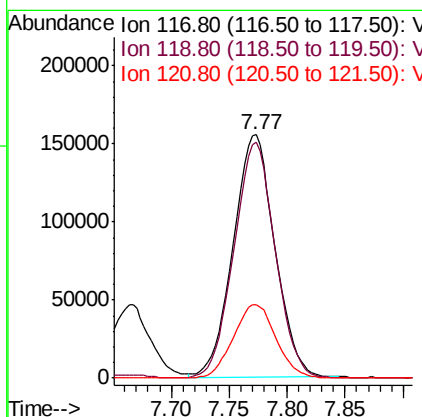
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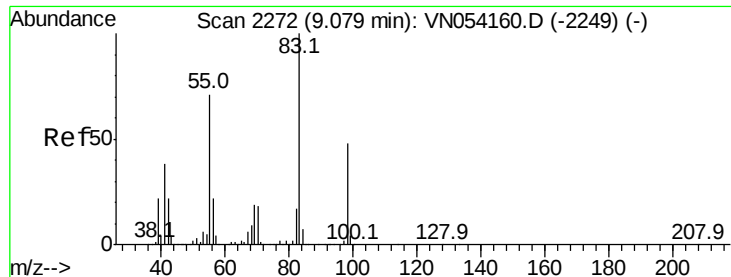
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#38
Carbon Tetrachloride
Concen: 19.011 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	30.1	24.6	36.8





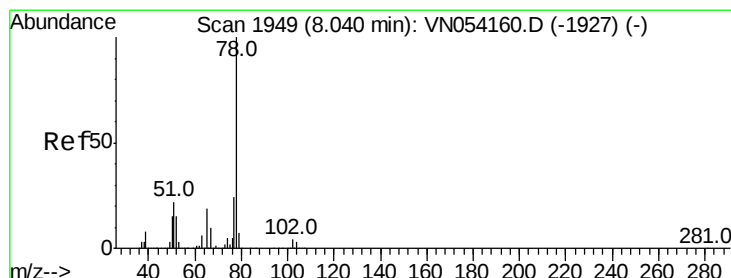
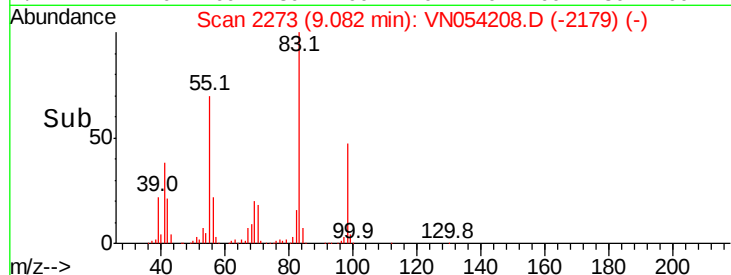
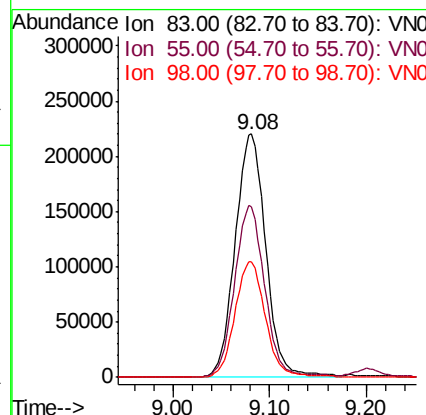
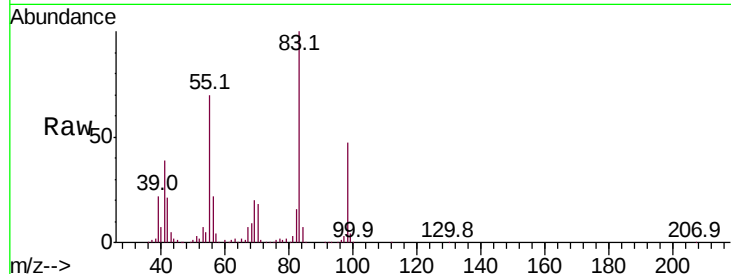
#39
Methvlcvclohexane
Concen: 20.339 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	56.6	84.8
98	47.4	38.4	57.6

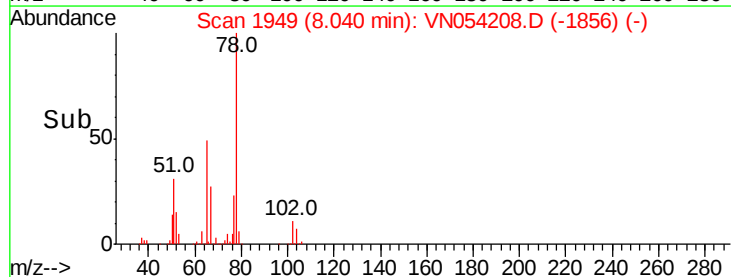
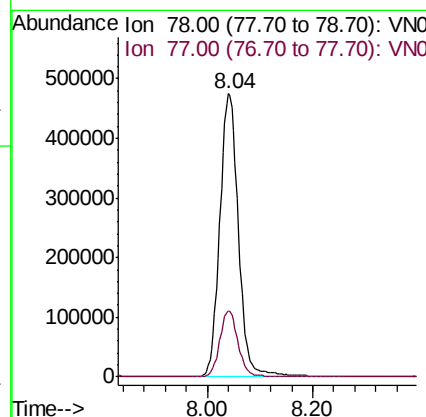
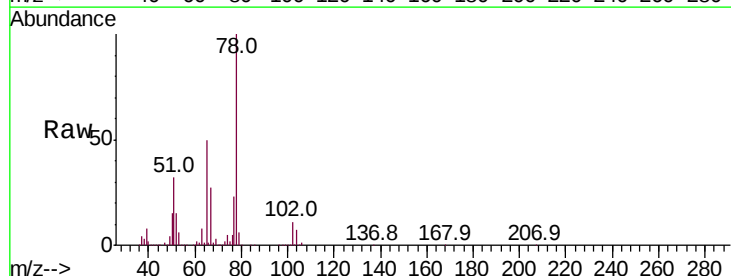
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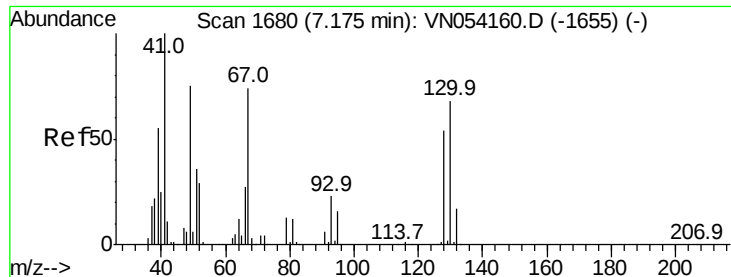
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#40
Benzene
Concen: 20.934 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





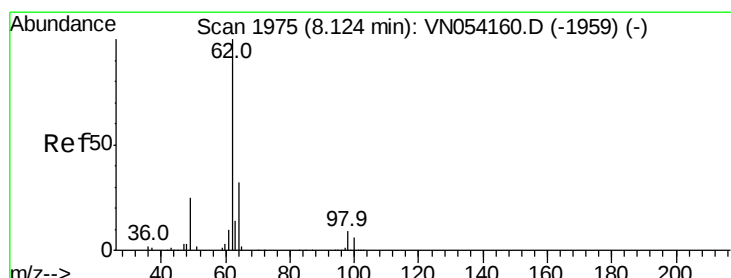
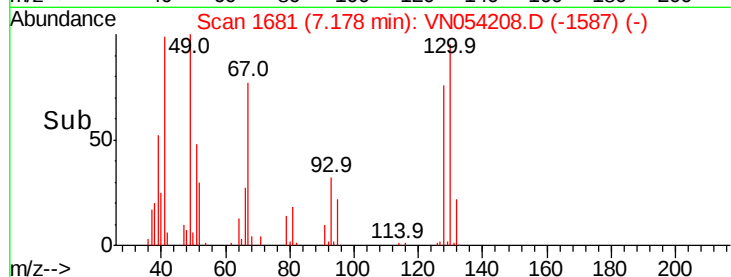
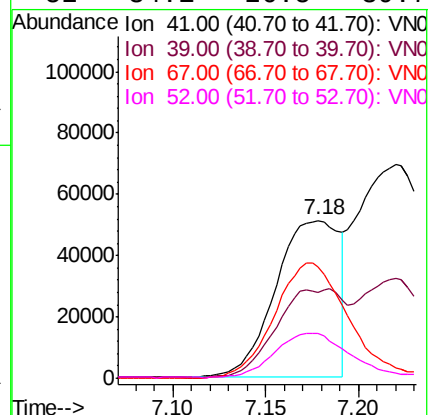
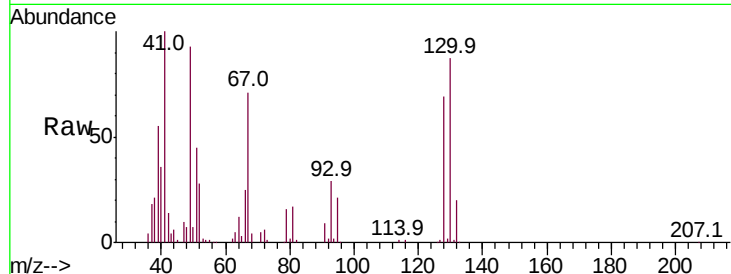
#41
Methacrylonitrile
Concen: 19.154 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	39.7	46.8	70.2#	
67	87.2	67.0	100.4	
52	34.1	26.5	39.7	

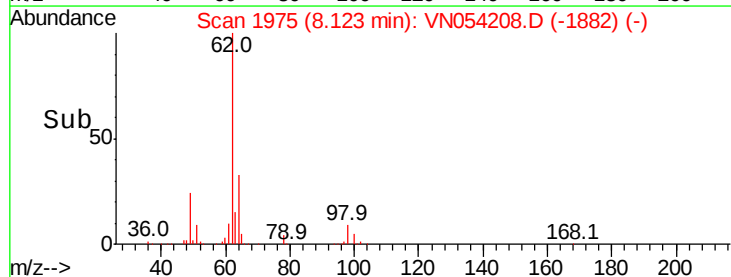
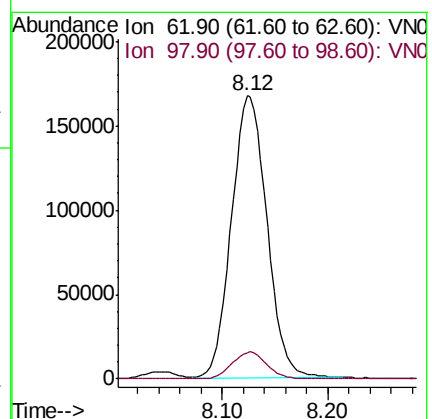
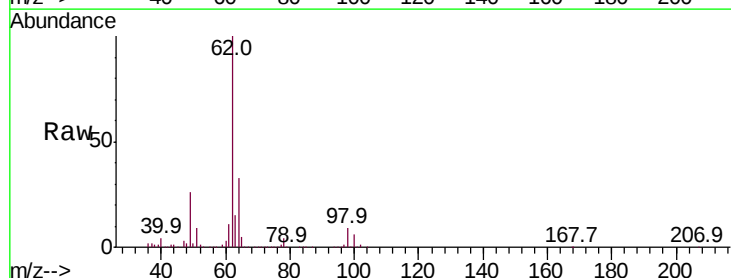
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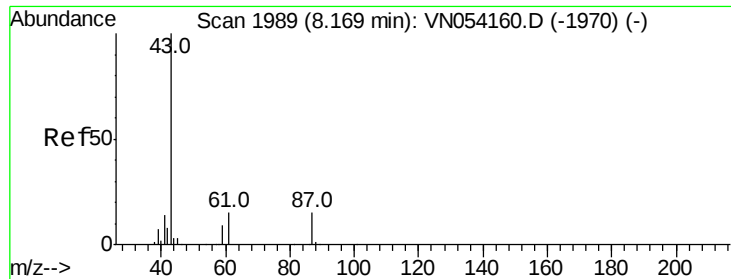
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#42
1,2-Dichloroethane
Concen: 20.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	18.4	





#43

Isopropyl Acetate

Concen: 19.606 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

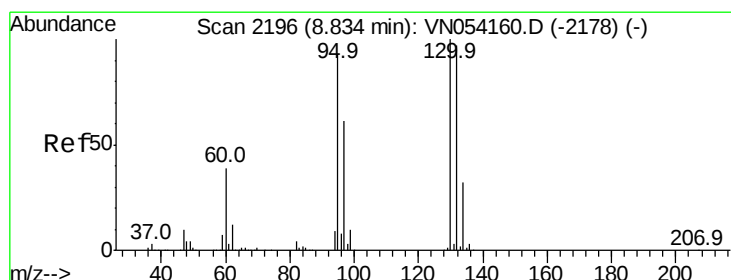
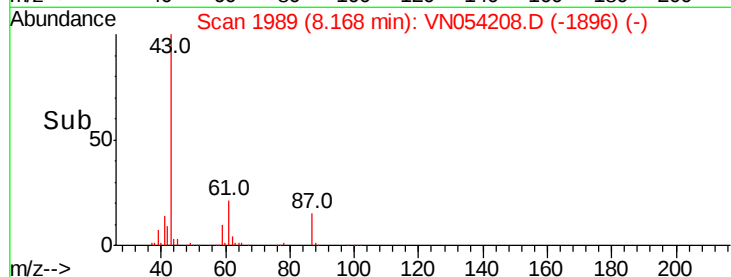
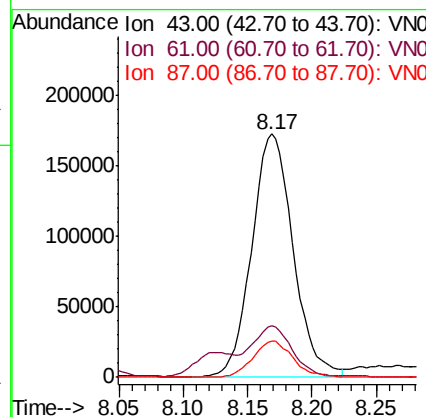
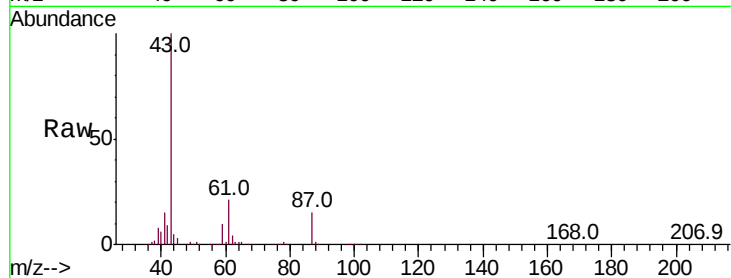
ClientSampleId :

VN0313WBSD01

Tot Ion:	43	Resp:	384294
Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.8	23.8
87	14.5	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 20.527 ug/l

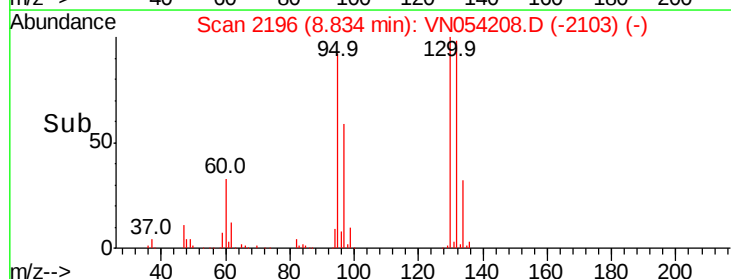
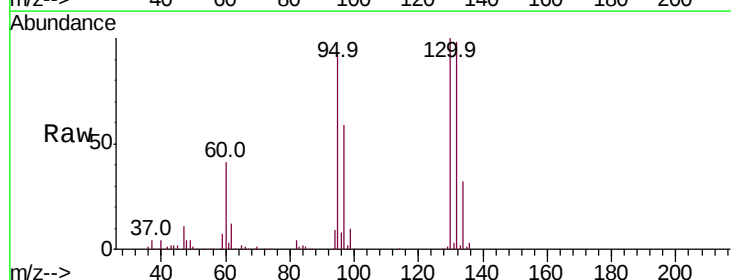
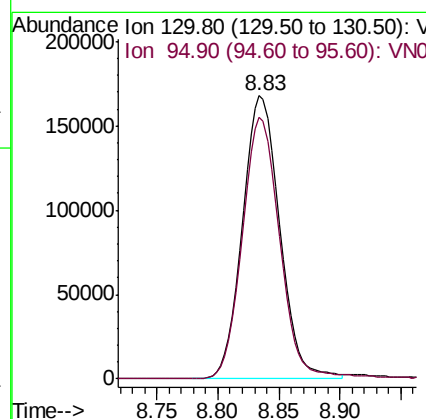
RT: 8.83 min Scan# 2196

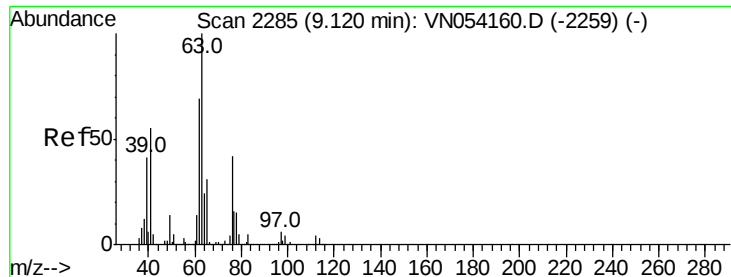
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	130	Resp:	354632
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	185.2





#45

1,2-Dichloropropane

Concen: 20.561 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 63 Resp: 283935

Ion Ratio Lower Upper

63 100

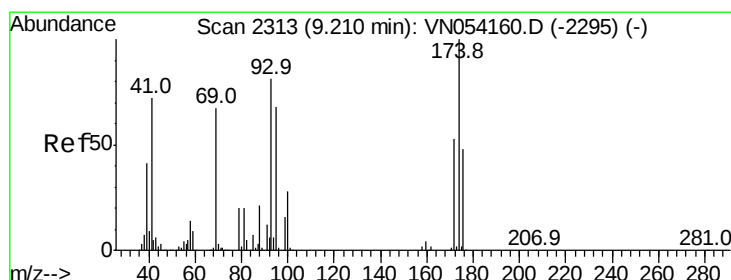
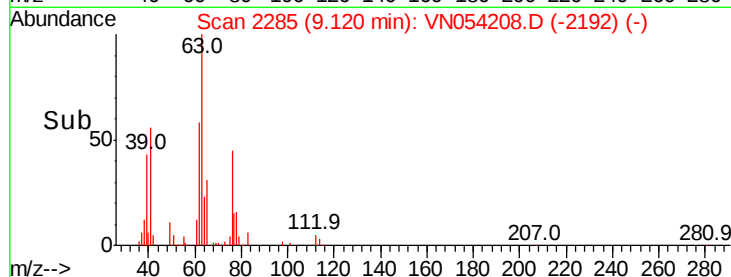
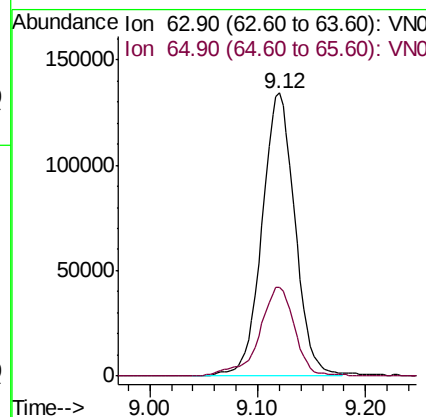
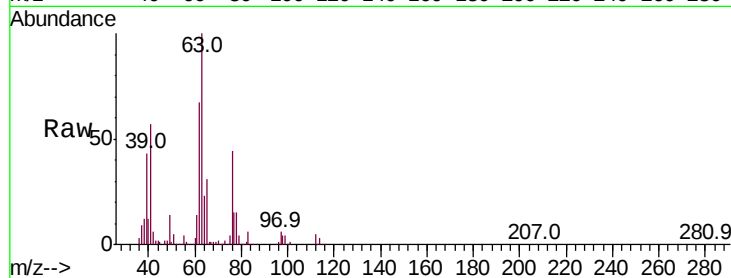
65 31.4 25.0 37.6

Manual Integrations

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3/14/2019 10:27:19 AM



#46

Dibromomethane

Concen: 20.642 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

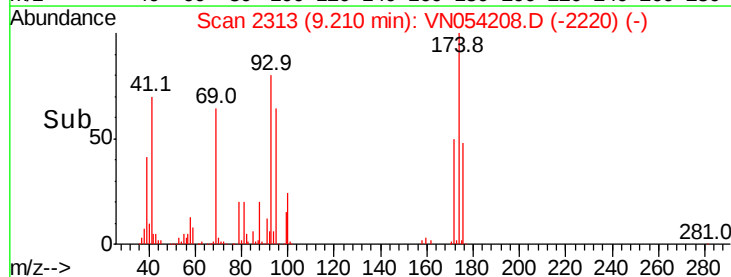
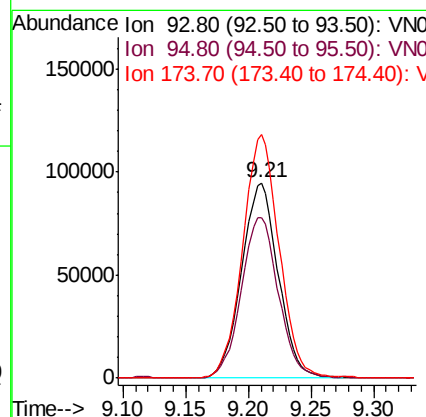
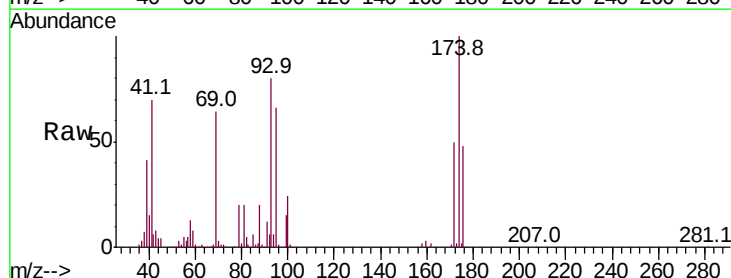
Tgt Ion: 93 Resp: 192603

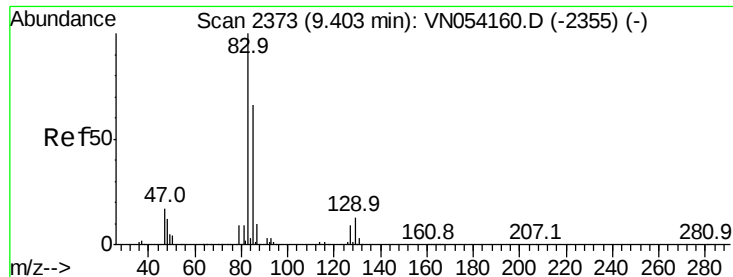
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 124.3 98.5 147.7





#47

Bromodichloromethane

Concen: 20.272 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

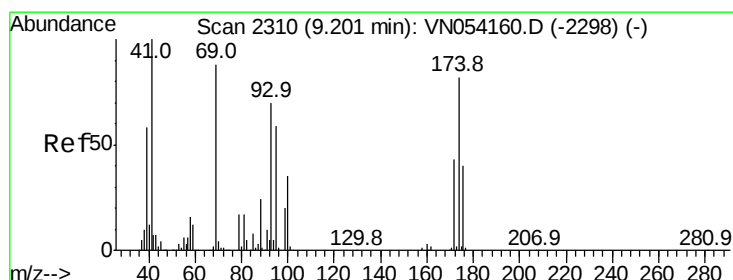
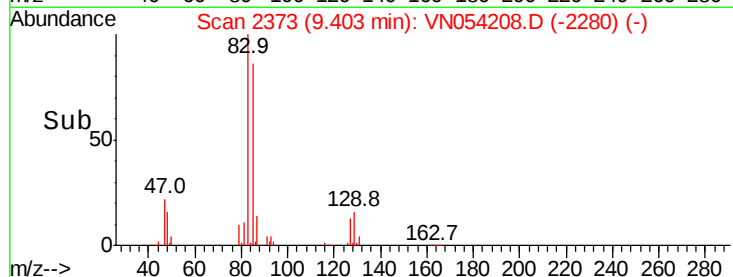
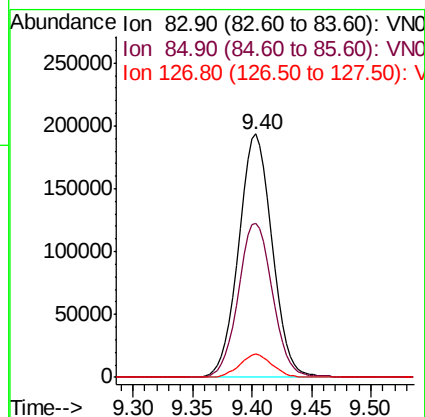
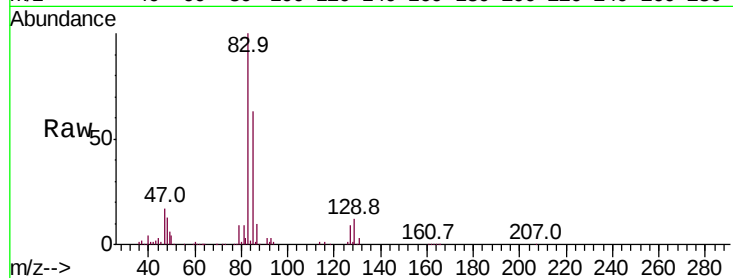
ClientSampleId :

VN0313WBSD01

Tot Ion	83	Resp	379191
Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.8	79.2
127	9.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.686 ug/l

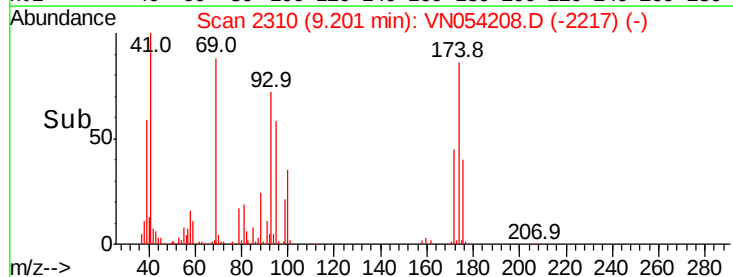
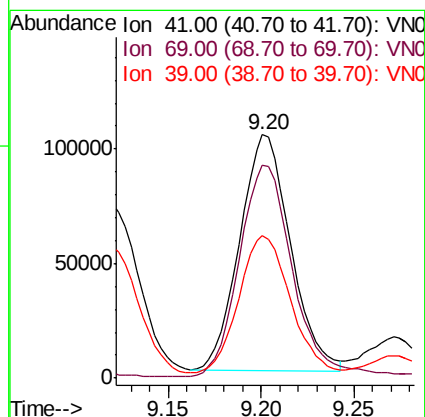
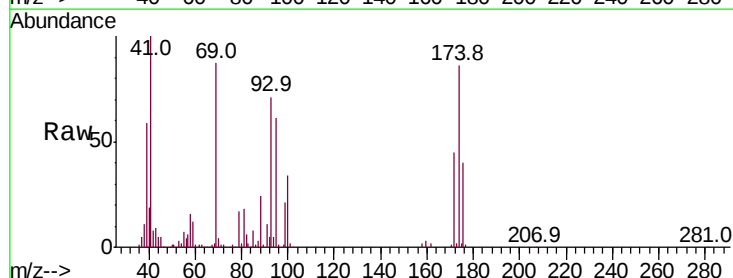
RT: 9.20 min Scan# 2310

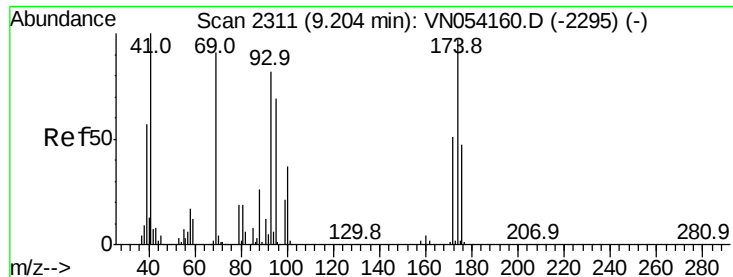
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion	41	Resp	195823
Ion	Ratio	Lower	Upper
41	100		
69	96.4	72.6	108.8
39	62.9	47.5	71.3





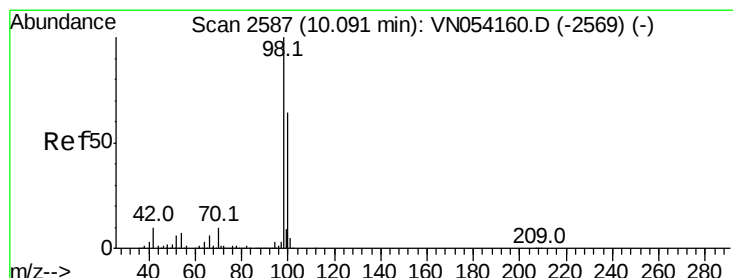
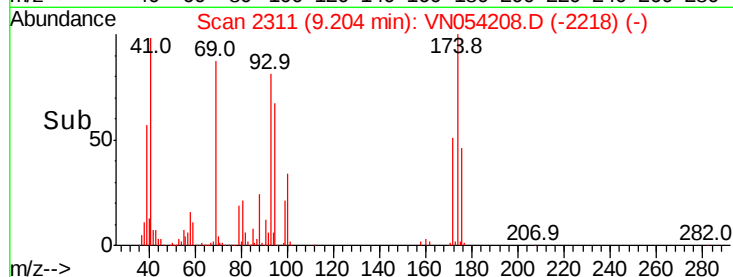
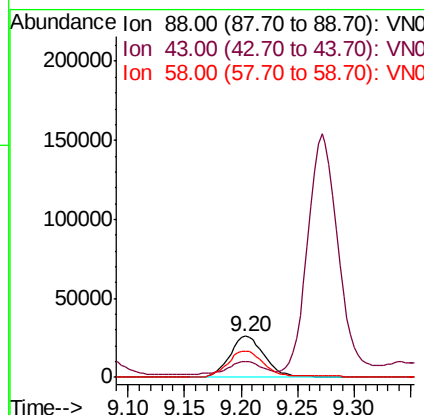
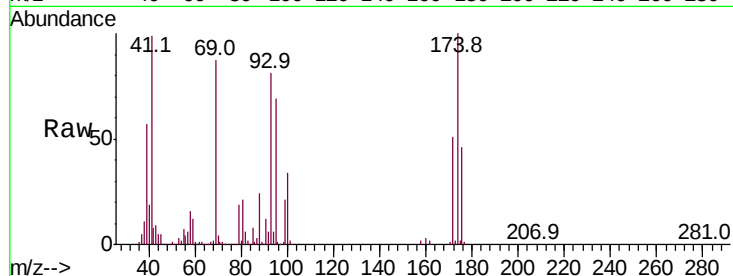
#49
1,4-Dioxane
Concen: 398.135 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	24.1	36.1
58	66.3	50.8	76.2

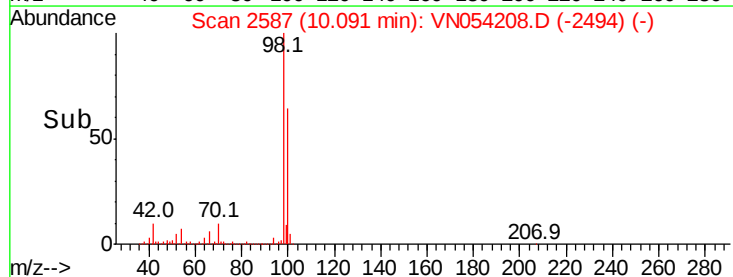
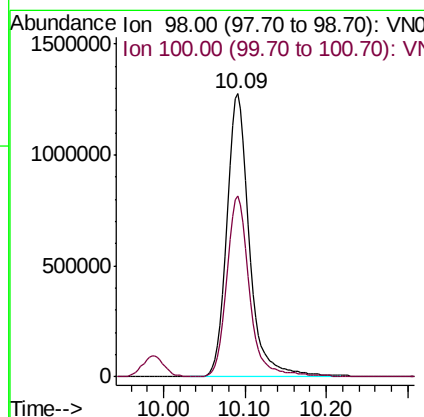
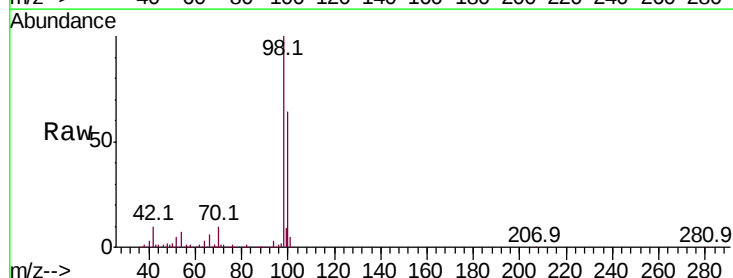
Manual Integrations
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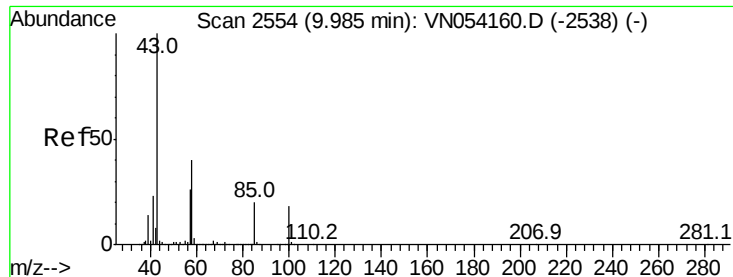
MMDadoda
3/14/2019 10:27:19 AM



#50
Toluene-d8
Concen: 49.888 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.350 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 43 Resp: 1061684

Ion Ratio Lower Upper

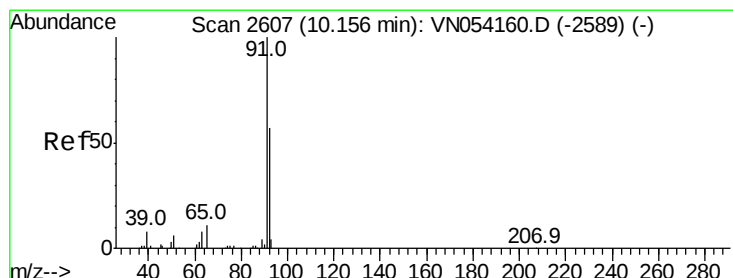
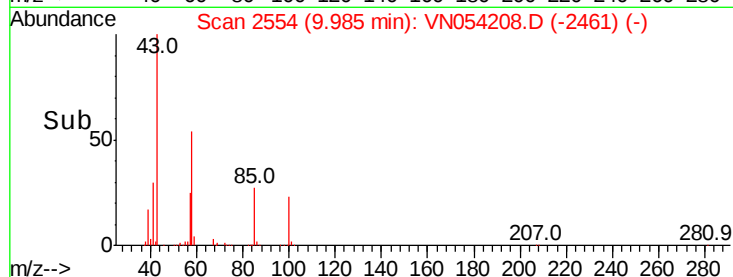
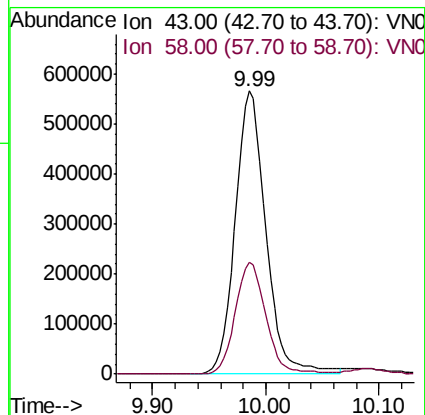
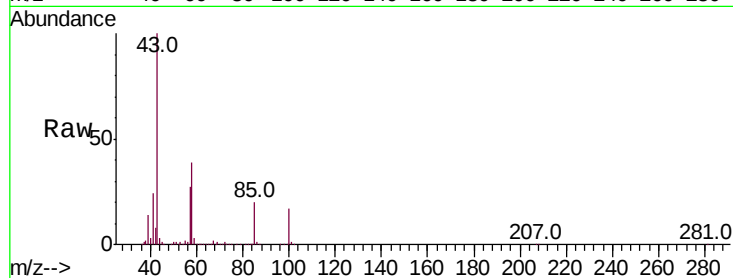
43 100

58 40.0 31.8 47.6

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#52

Toluene

Concen: 20.632 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054208.D

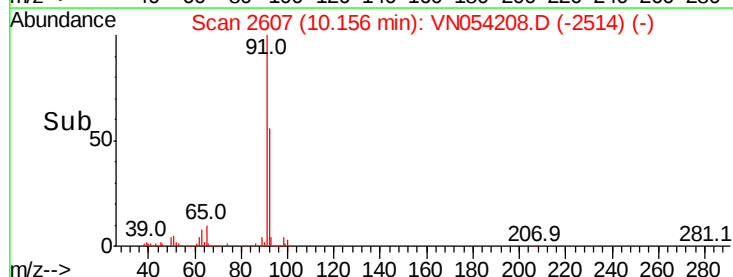
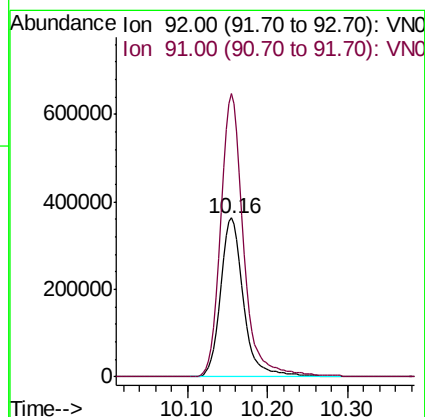
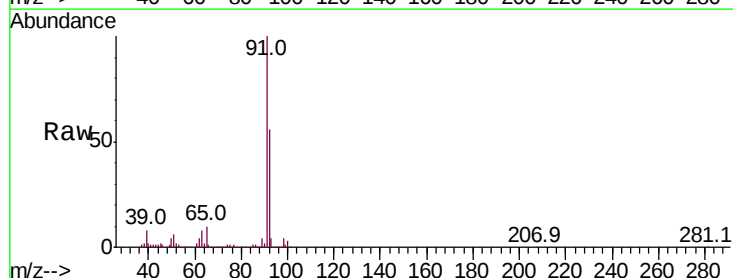
Acq: 13 Mar 2019 13:29

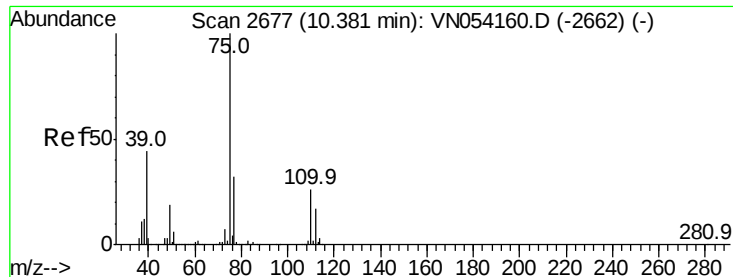
Tgt Ion: 92 Resp: 727551

Ion Ratio Lower Upper

92 100

91 177.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.312 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 75 Resp: 363725

Ion Ratio Lower Upper

75 100

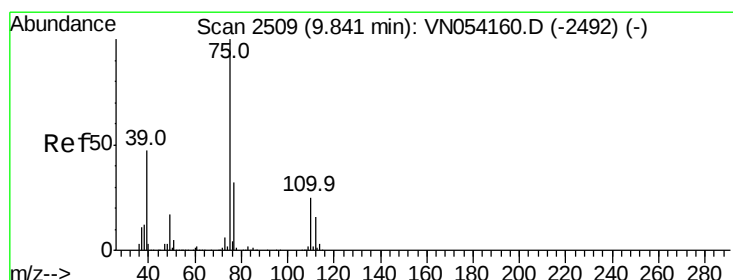
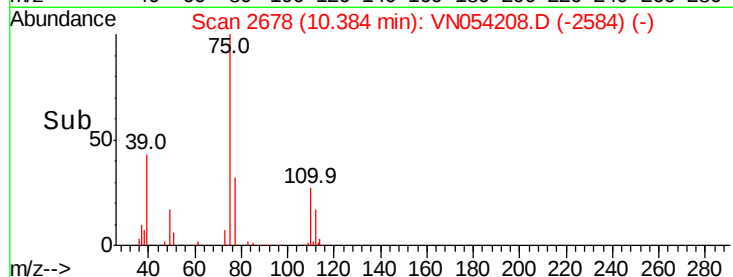
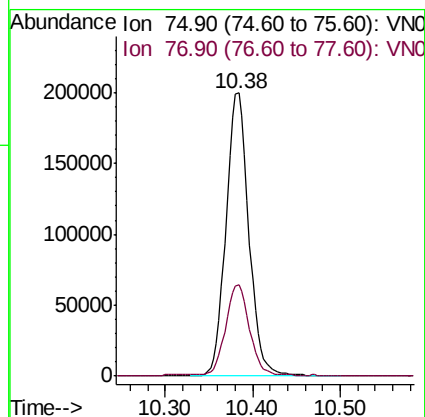
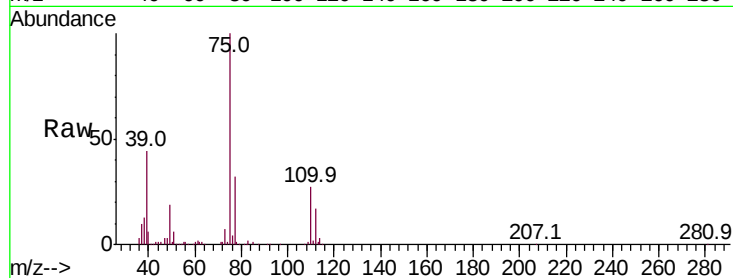
77 31.8 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.784 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

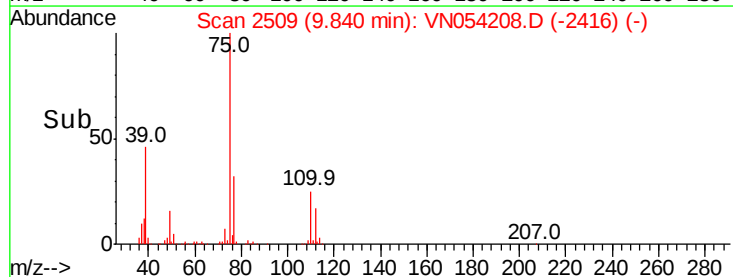
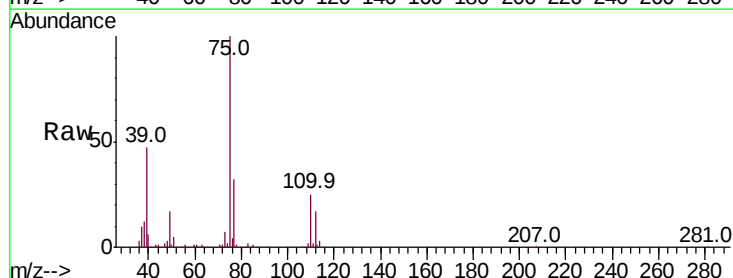
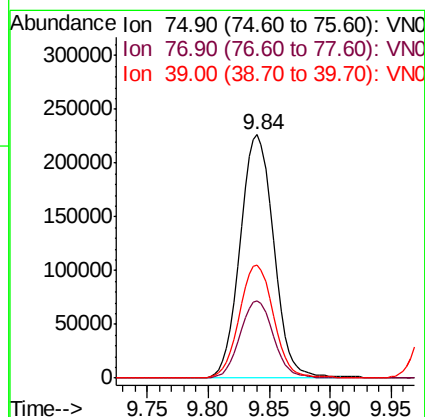
Tgt Ion: 75 Resp: 431242

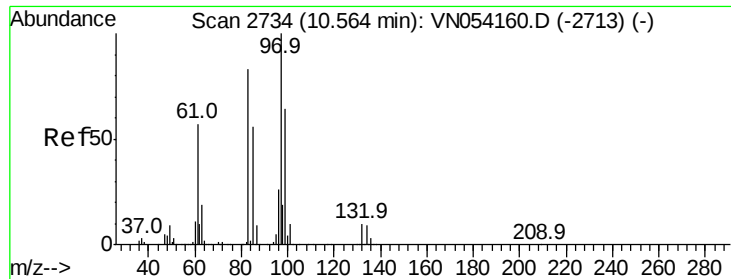
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 46.4 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 20.645 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

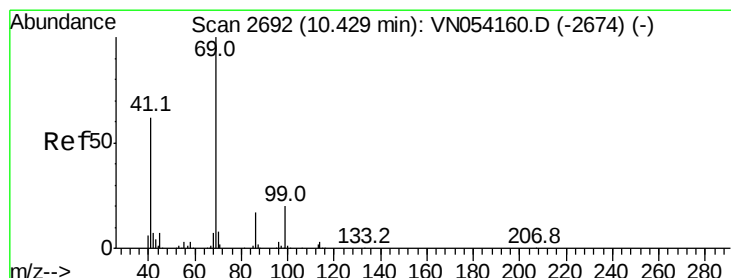
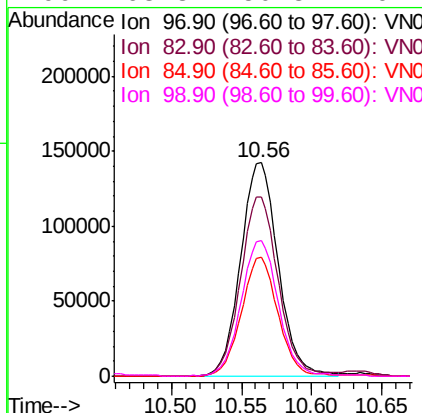
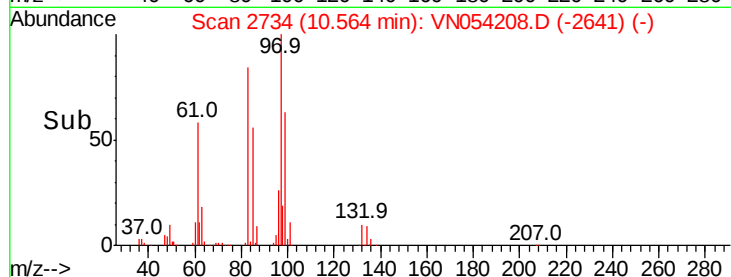
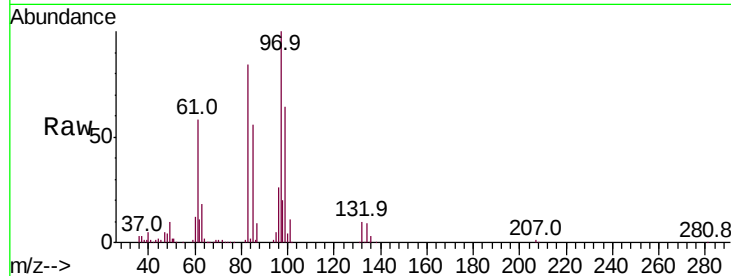
ClientSampleId :

VN0313WBSD01

Tot Ion	97	Resp	265829
Ion Ratio	Lower	Upper	
97	100		
83	83.9	66.6	100.0
85	56.0	44.4	66.6
99	63.3	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.143 ug/l

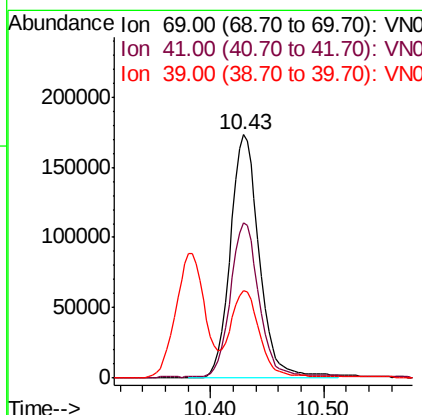
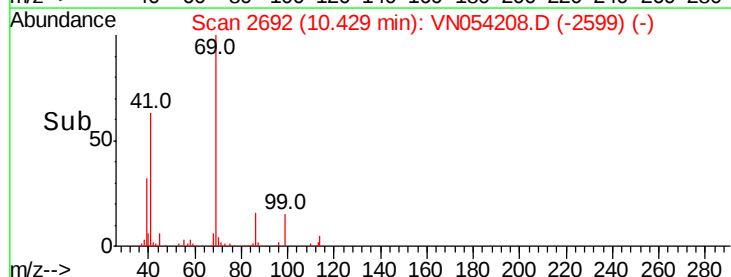
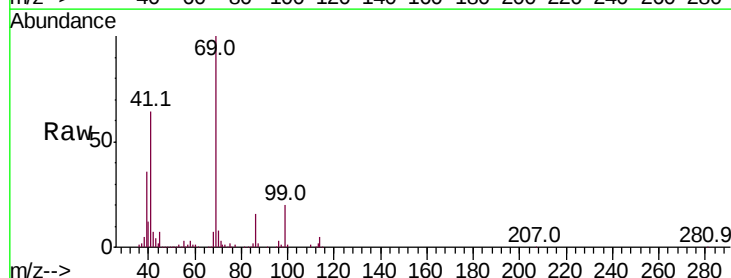
RT: 10.43 min Scan# 2692

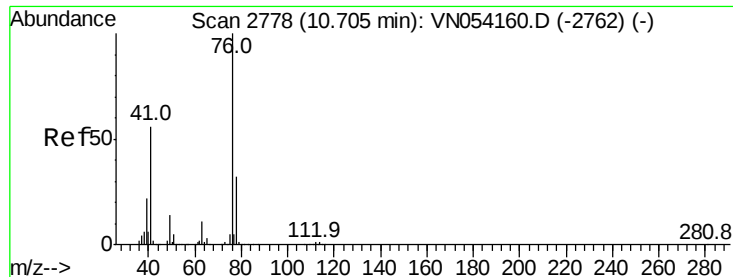
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion	69	Resp	309259
Ion Ratio	Lower	Upper	
69	100		
41	62.4	49.4	74.2
39	35.7	28.3	42.5





#57

1,3-Dichloropropane

Concen: 20.831 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 76 Resp: 438582

Ion Ratio Lower Upper

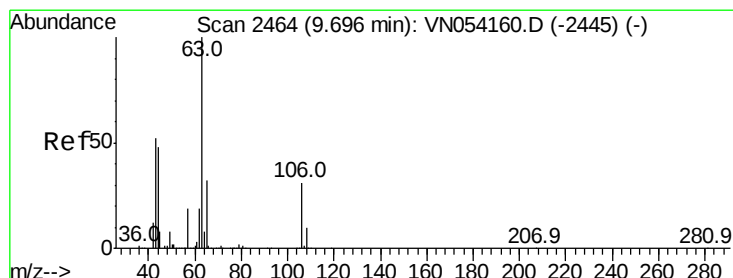
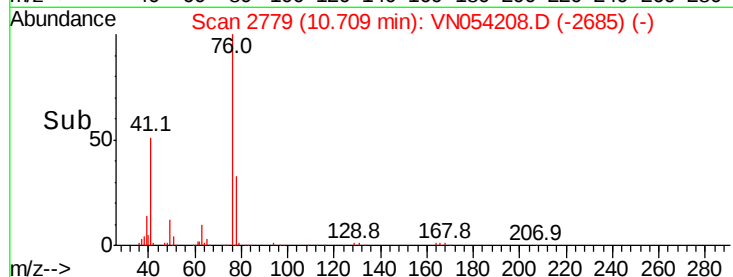
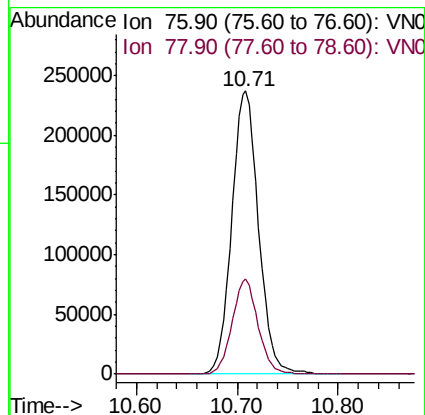
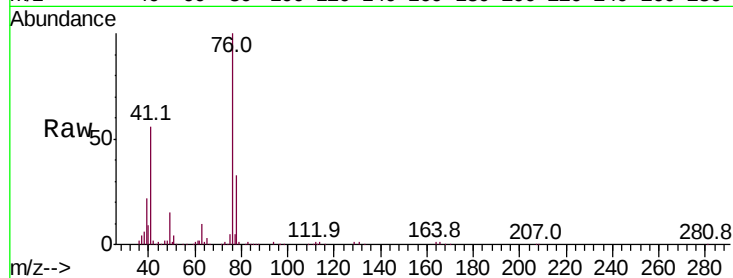
76 100

78 32.4 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 102.683 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054208.D

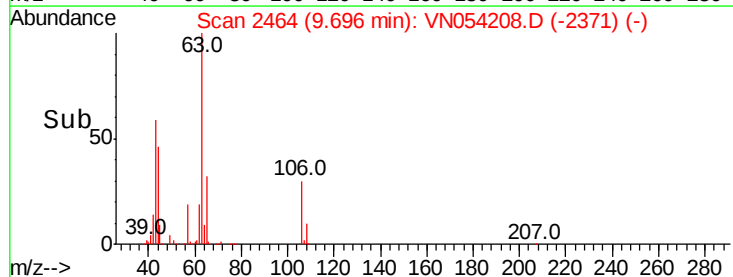
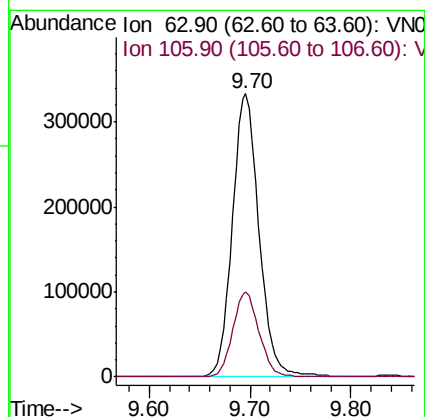
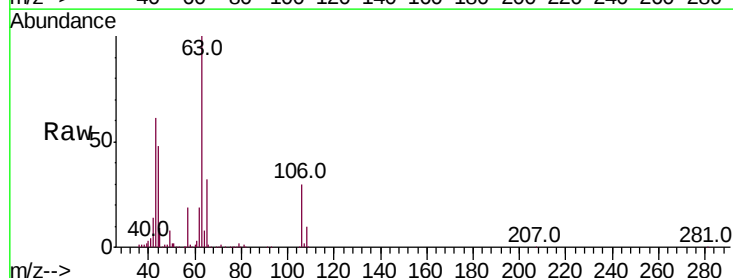
Acq: 13 Mar 2019 13:29

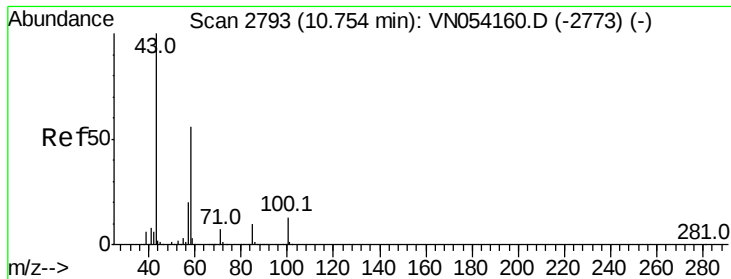
Tgt Ion: 63 Resp: 613134

Ion Ratio Lower Upper

63 100

106 29.6 24.4 36.6





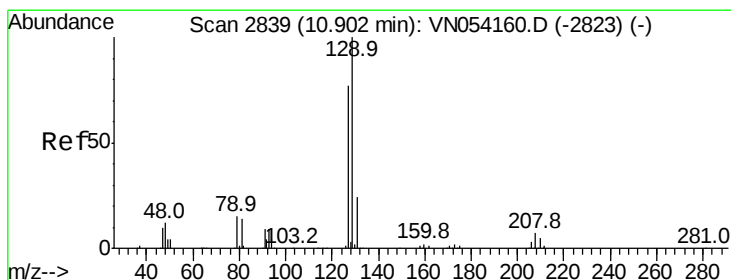
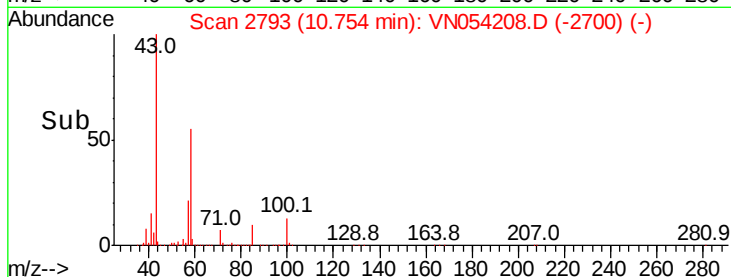
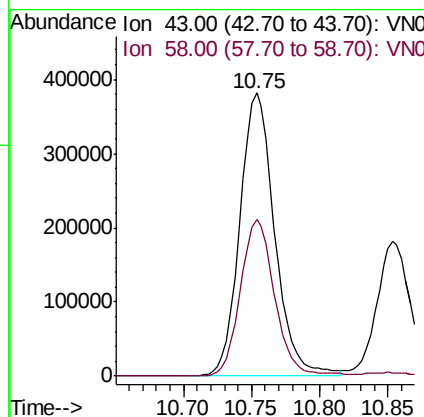
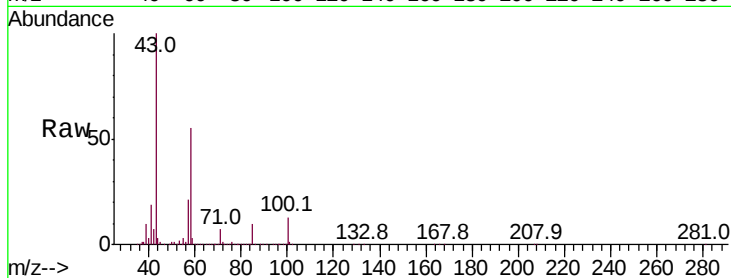
#59
2-Hexanone
Concen: 97.433 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	28.0	83.9

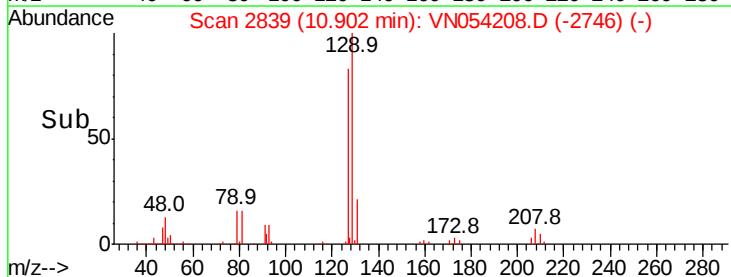
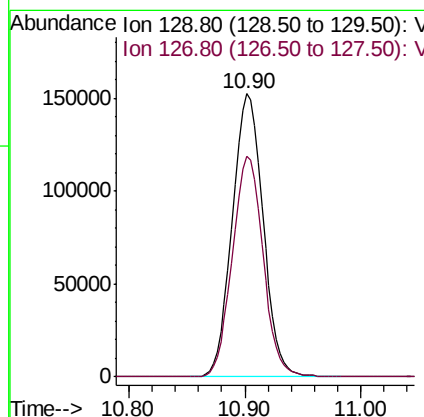
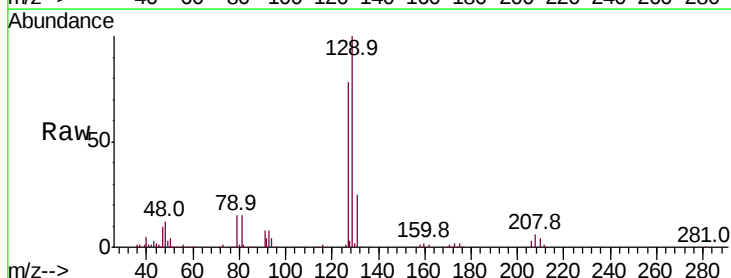
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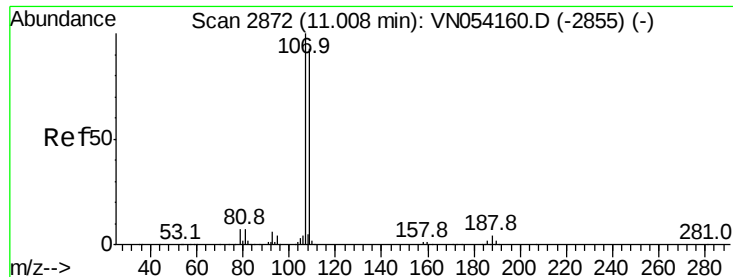
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3/14/2019 10:27:19 AM



#60
Dibromochloromethane
Concen: 19.365 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8





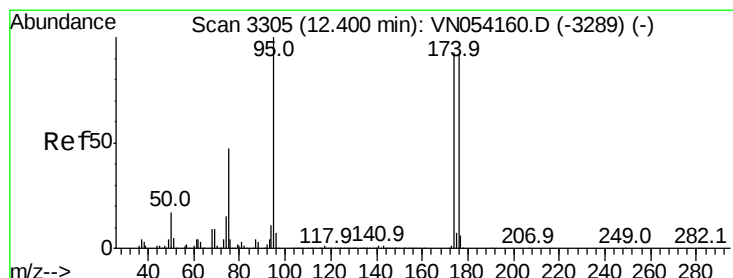
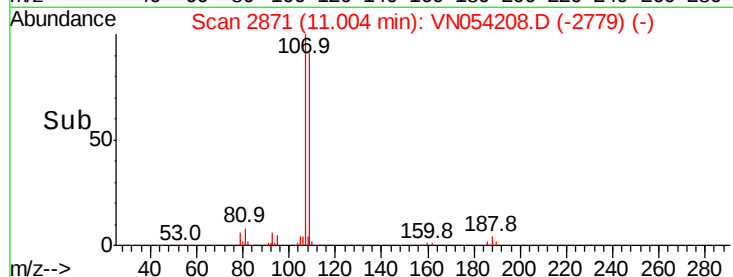
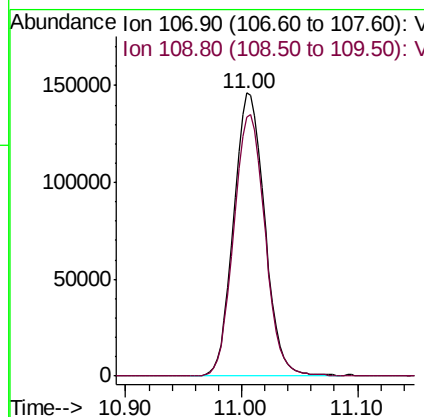
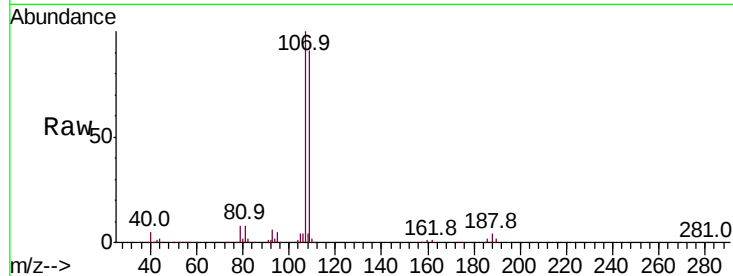
#61
 1,2-Dibromoethane
 Concen: 20.688 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.9	113.9

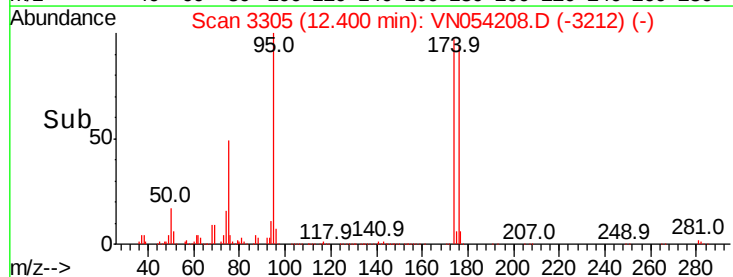
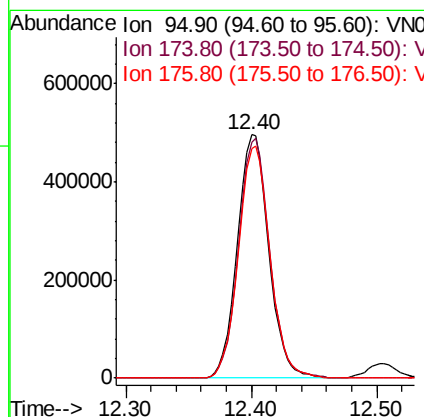
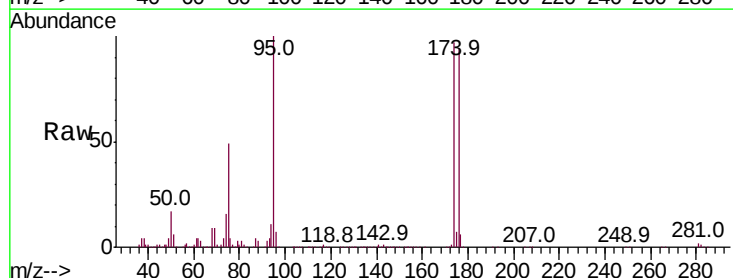
Manual Integrations
 APPROVED

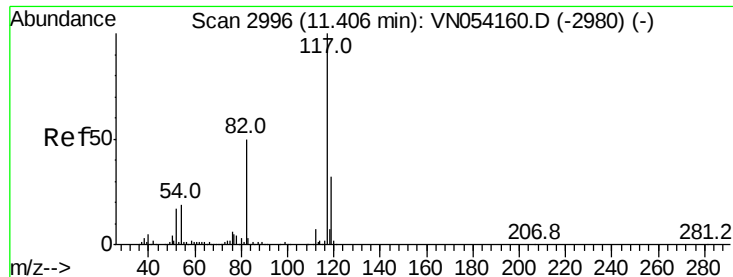
MMDadoda
 3/14/2019 10:27:19 AM



#62
 4-Bromofluorobenzene
 Concen: 49.070 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.1	0.0	191.0
176	95.7	0.0	187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:117 Resp: 1858885

Ion Ratio Lower Upper

117 100

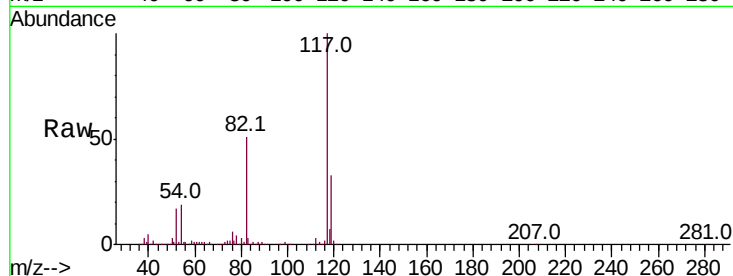
82 51.3 40.0 60.0

119 32.6 25.8 38.6

Manual Integrations
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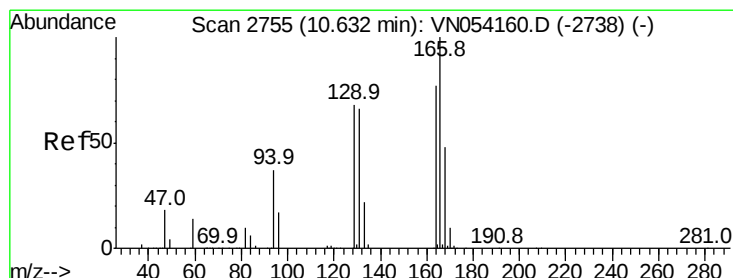
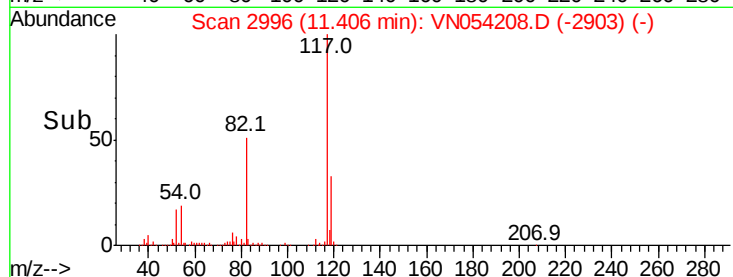
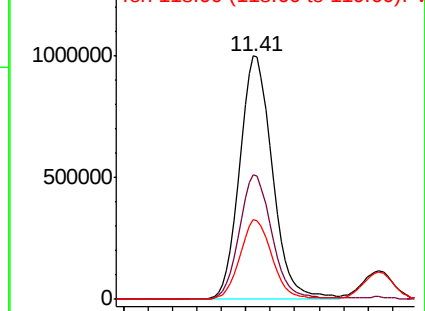
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.232 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:164 Resp: 363630

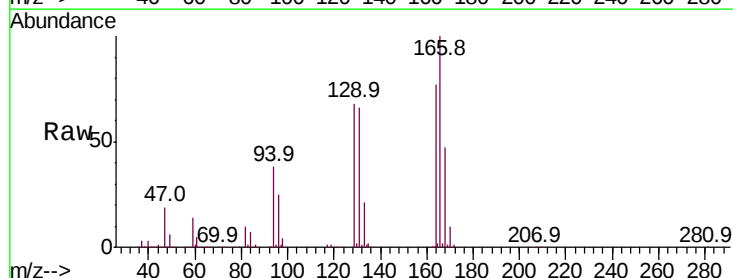
Ion Ratio Lower Upper

164 100

166 130.0 103.9 155.9

129 88.4 71.1 106.7

131 85.4 68.2 102.4

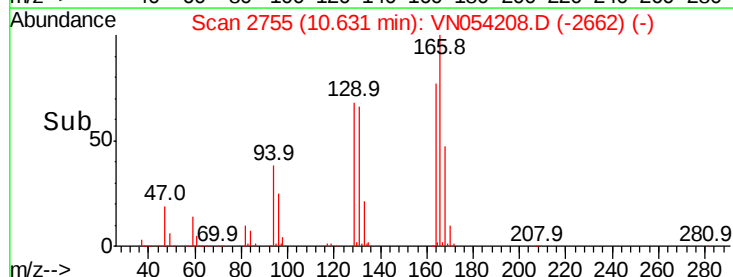
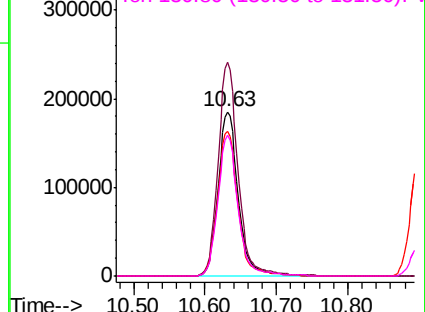


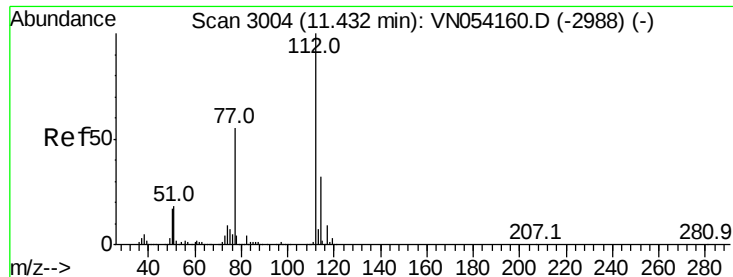
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.585 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:112 Resp: 840208

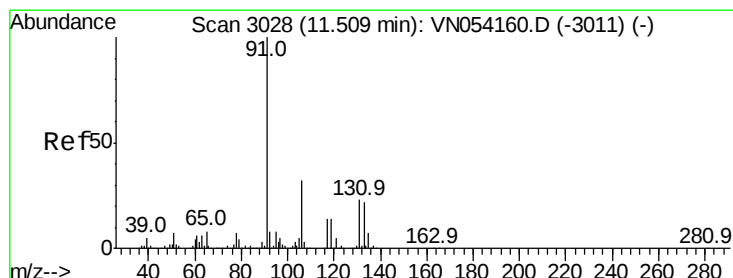
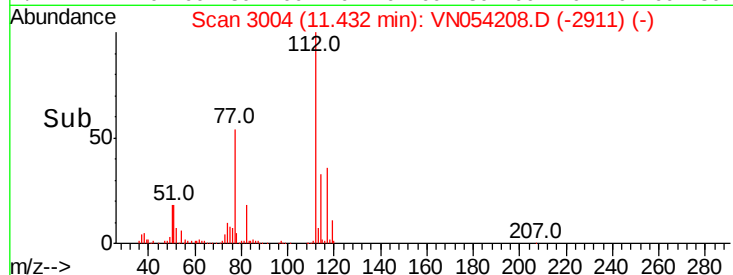
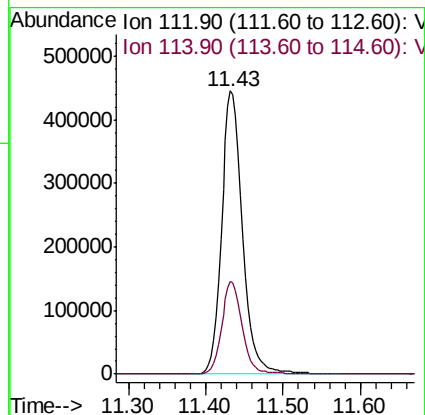
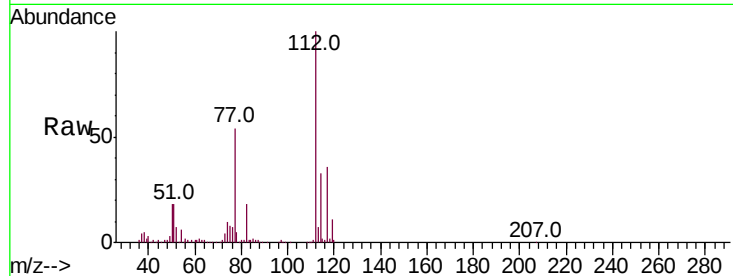
Ion Ratio Lower Upper

112 100

114 32.6 25.9 38.9

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.218 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

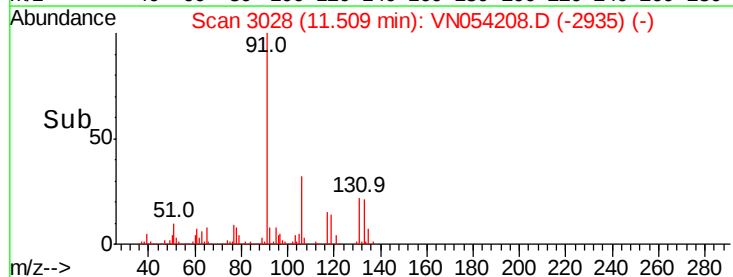
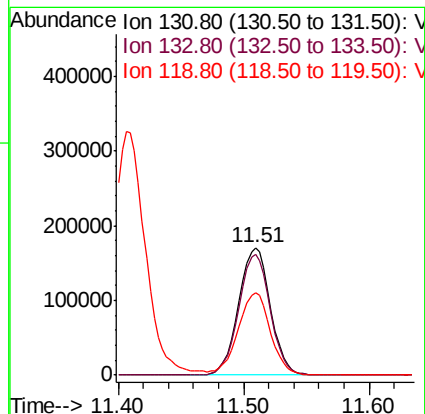
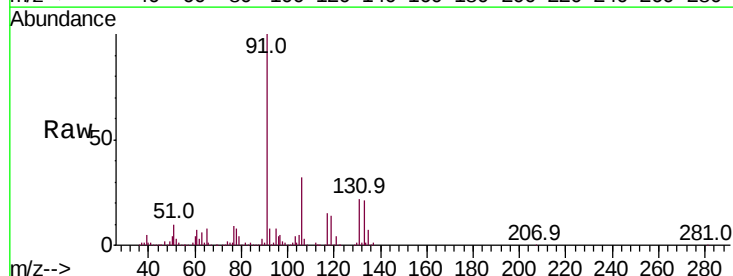
Tgt Ion:131 Resp: 299778

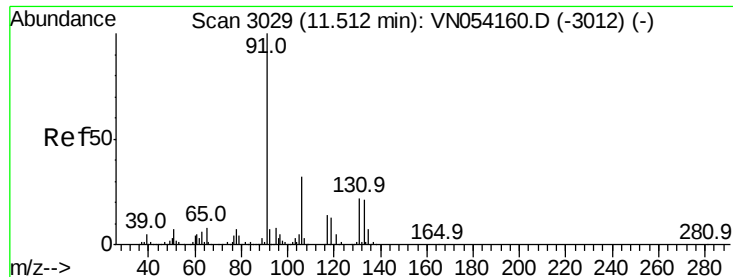
Ion Ratio Lower Upper

131 100

133 94.2 47.6 142.9

119 65.7 32.4 97.0





#67

Ethyl Benzene

Concen: 20.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 91 Resp: 1376383

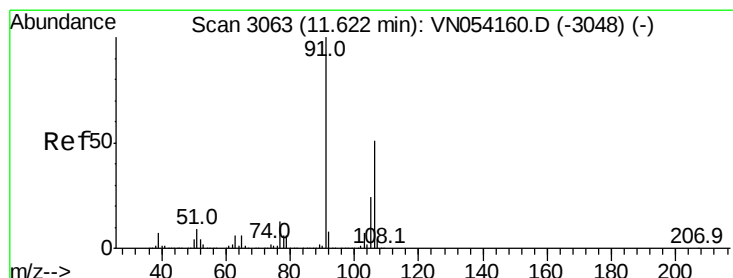
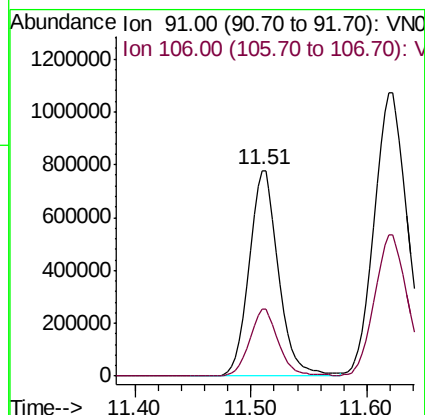
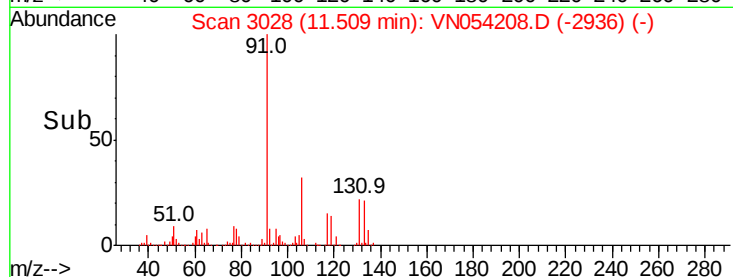
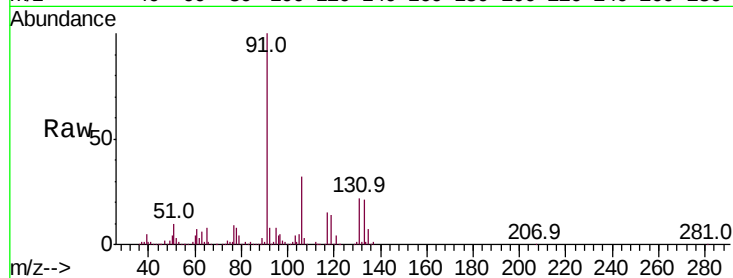
Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3

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#68

m/p-Xylenes

Concen: 40.863 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054208.D

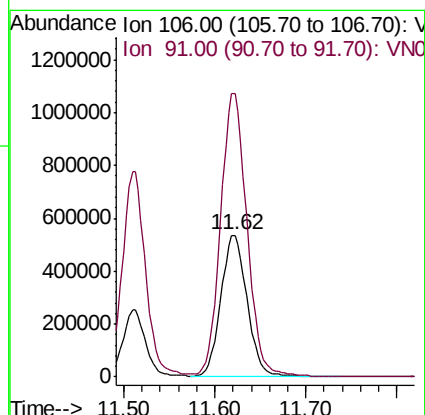
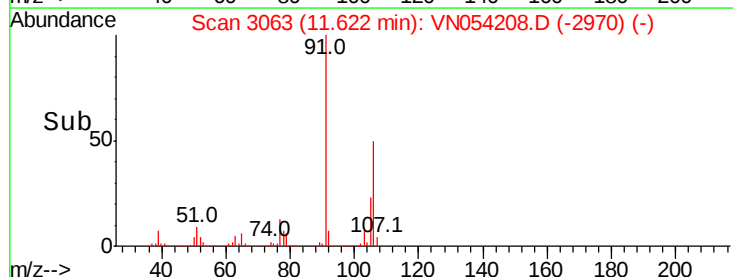
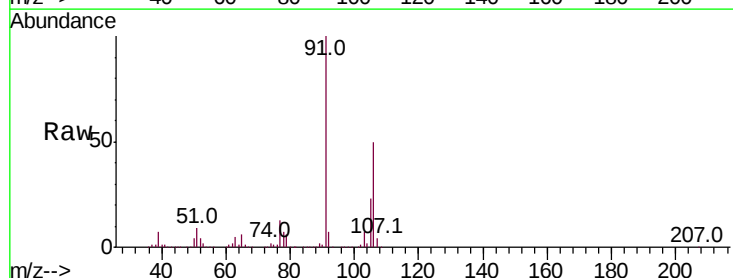
Acq: 13 Mar 2019 13:29

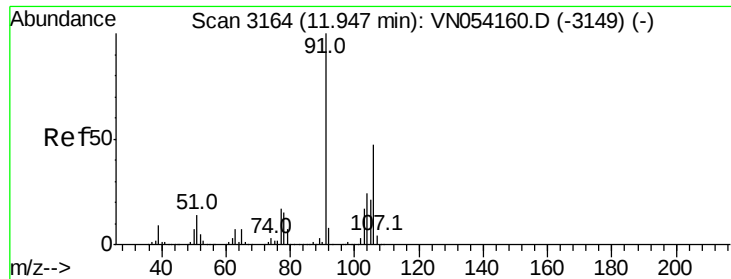
Tgt Ion: 106 Resp: 1080600

Ion Ratio Lower Upper

106 100

91 200.5 159.4 239.2





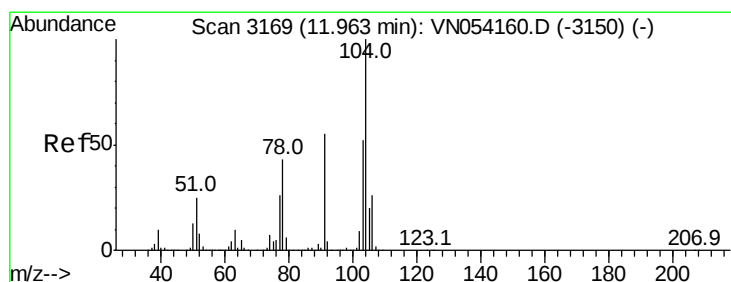
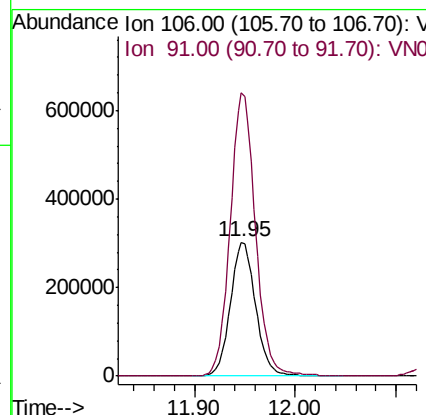
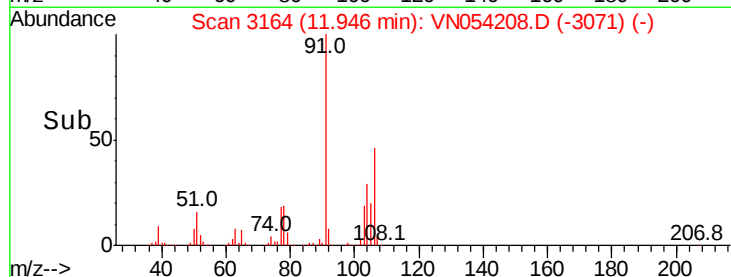
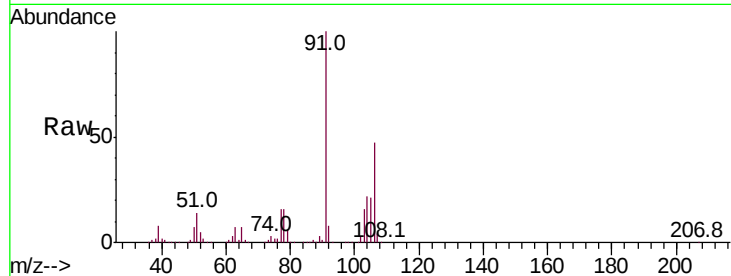
#69
o-Xylene
Concen: 20.507 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion:106 Resp: 528652
Ion Ratio Lower Upper
106 100
91 211.8 105.7 317.1

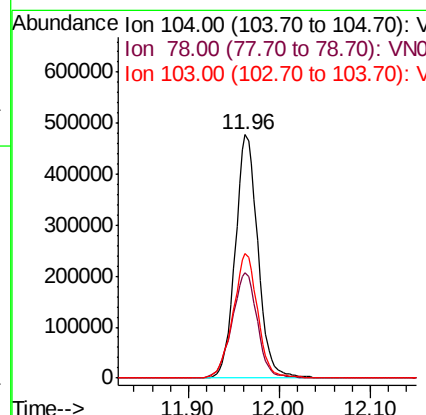
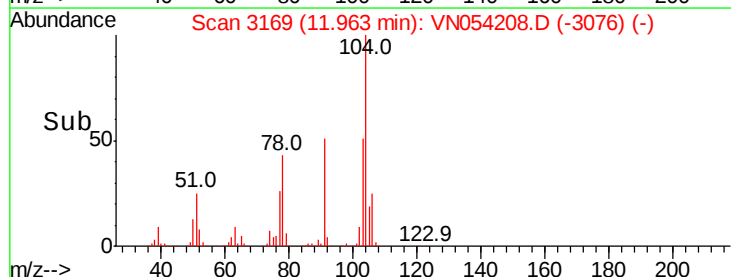
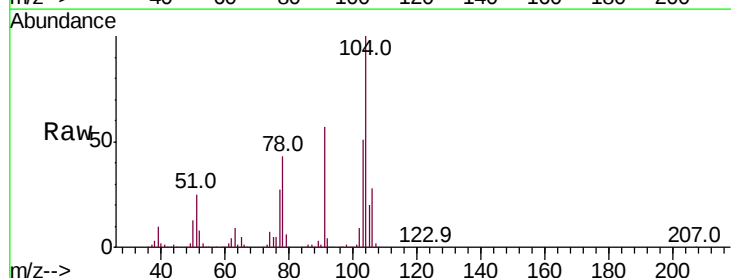
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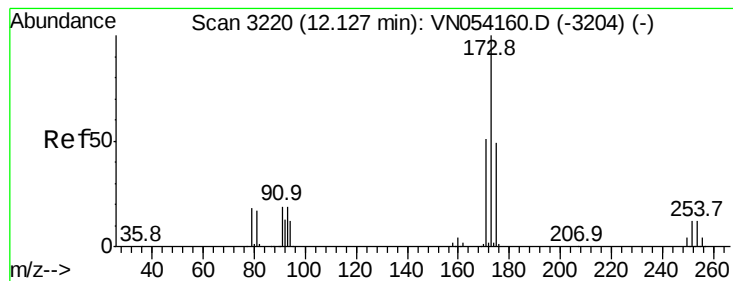
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#70
Styrene
Concen: 20.459 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion:104 Resp: 827176
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.5 44.4 66.6





#71

Bromoform

Concen: 17.618 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:173 Resp: 181071

Ion Ratio Lower Upper

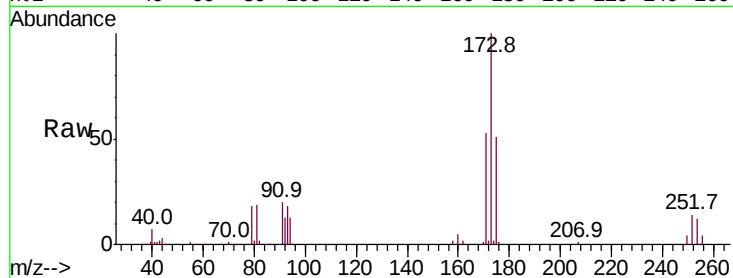
173 100

175 49.9 24.4 73.2

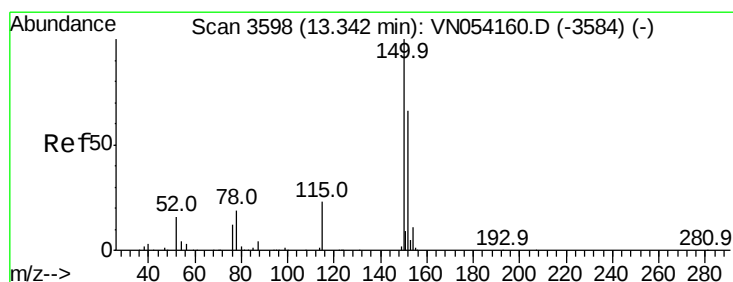
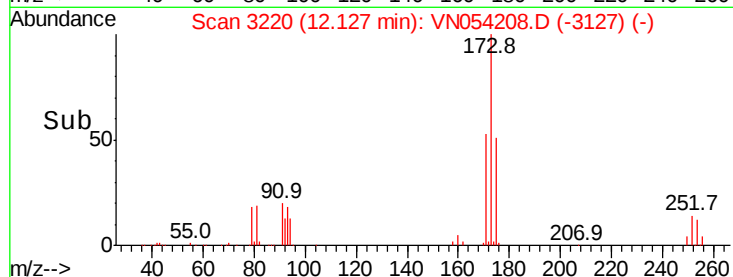
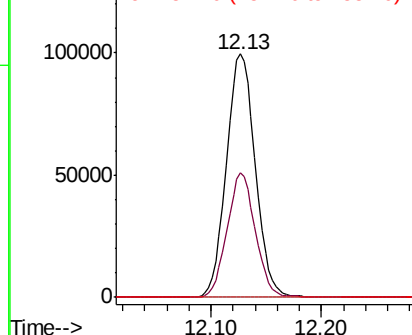
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

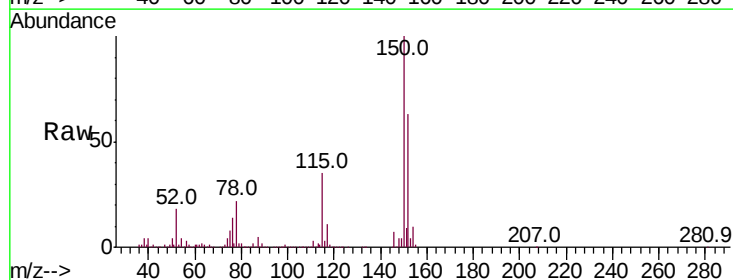
Tgt Ion:152 Resp: 897124

Ion Ratio Lower Upper

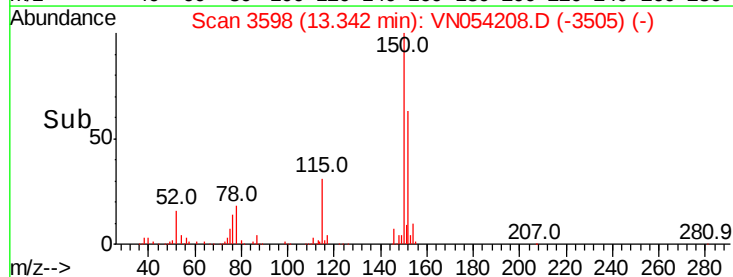
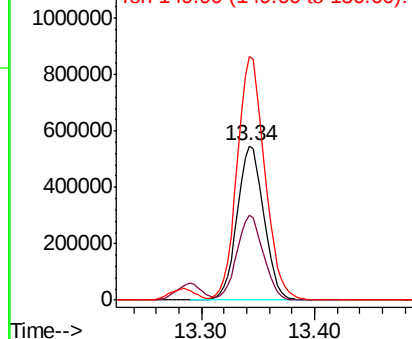
152 100

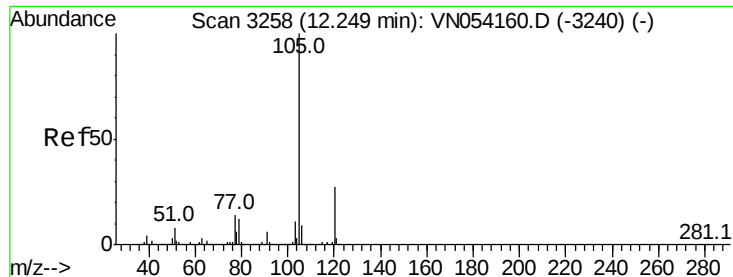
115 54.5 27.2 81.6

150 163.7 0.0 349.2



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





#73

Isopropylbenzene

Concen: 19.932 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:105 Resp: 1430637

Ion Ratio Lower Upper

105 100

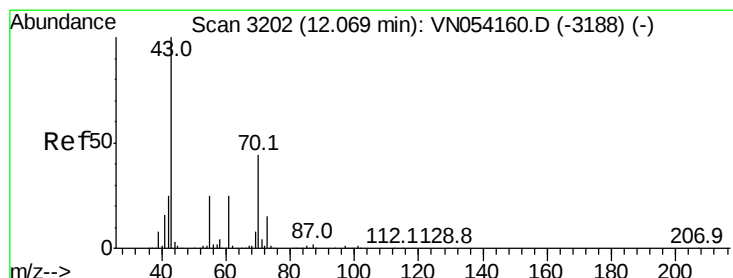
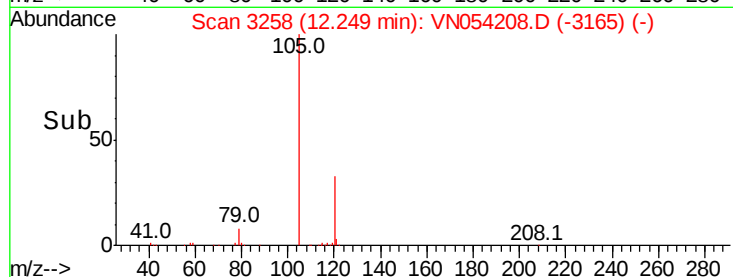
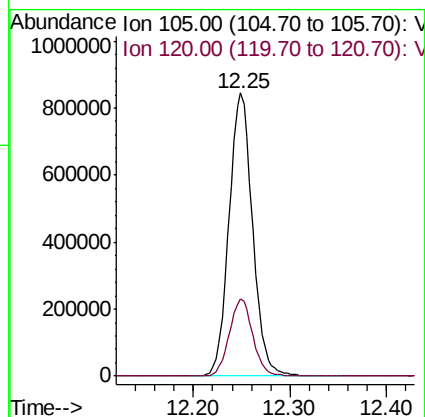
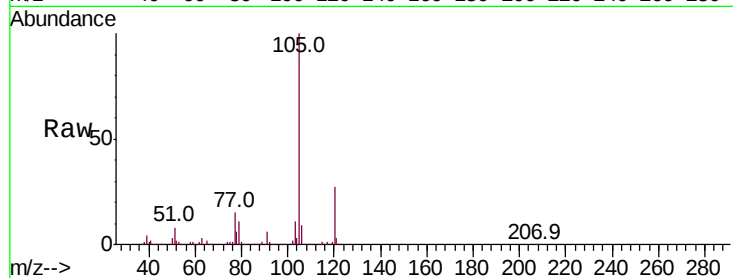
120 27.1 13.8 41.3

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#74

N-ethyl acetate

Concen: 19.178 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion: 43 Resp: 305542

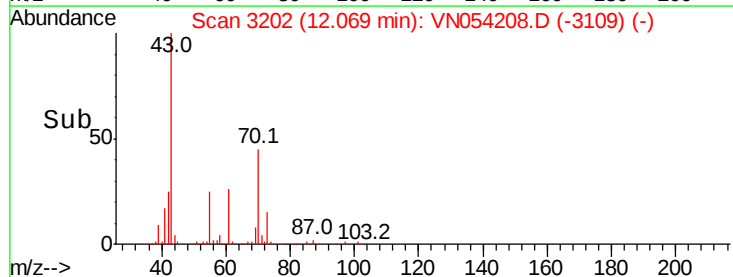
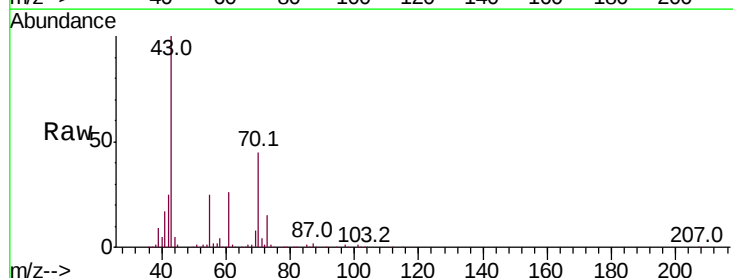
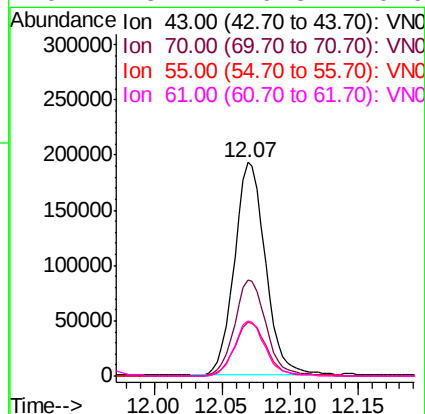
Ion Ratio Lower Upper

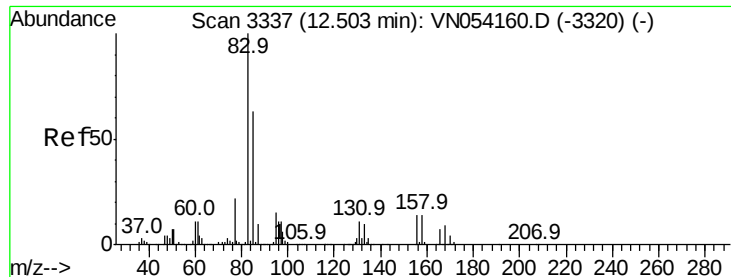
43 100

70 45.9 35.4 53.0

55 25.7 19.8 29.6

61 25.7 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.668 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

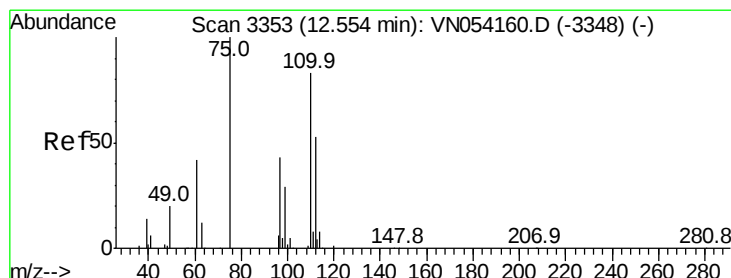
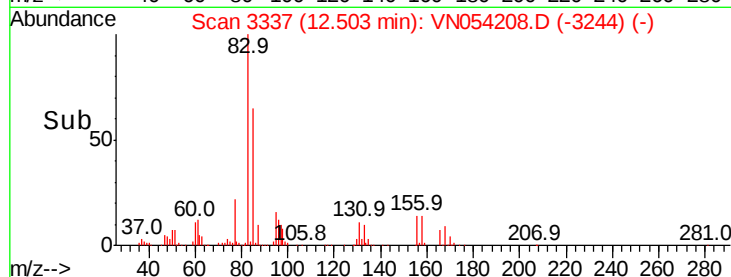
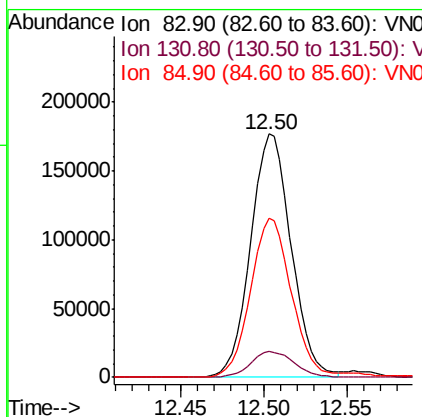
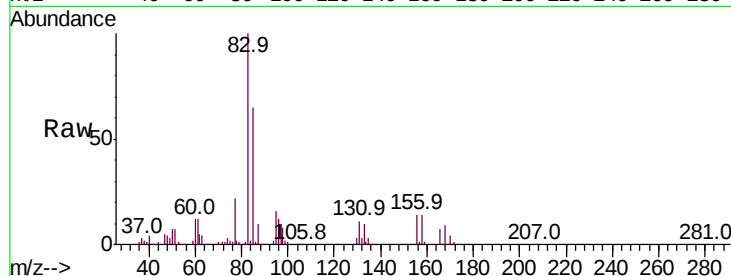
ClientSampleId :

VN0313WBSD01

Tot Ion:	83	Resp:	300771
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.3	32.2	96.6

Manual Integrations
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3/14/2019 10:27:19 AM



#76

1,2,3-Trichloropropane

Concen: 19.231 ug/l m

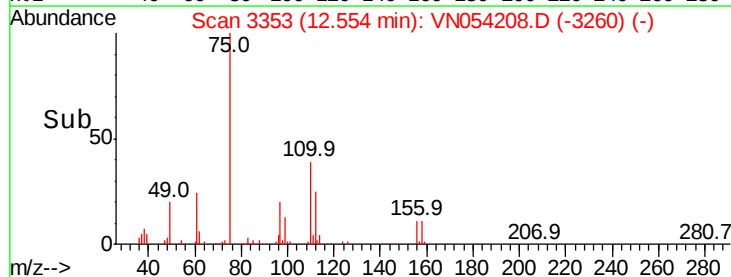
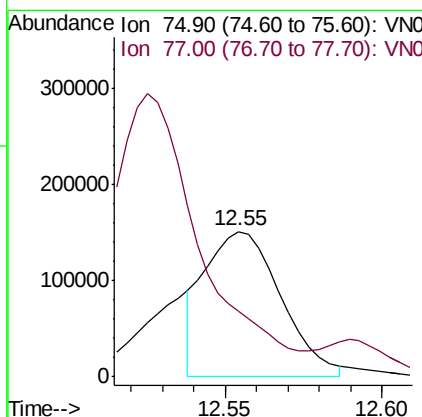
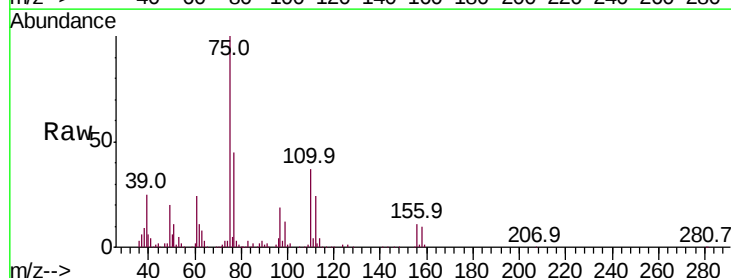
RT: 12.55 min Scan# 3353

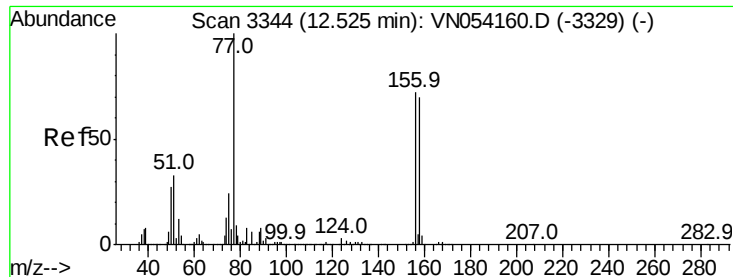
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	75	Resp:	253701
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.873 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

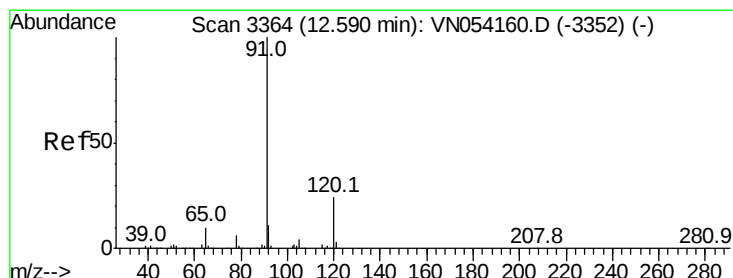
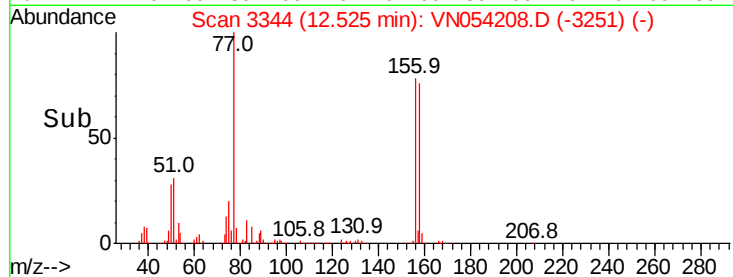
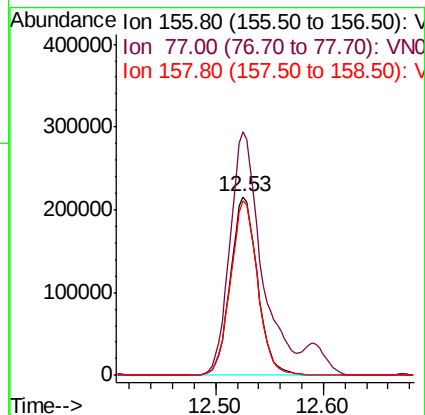
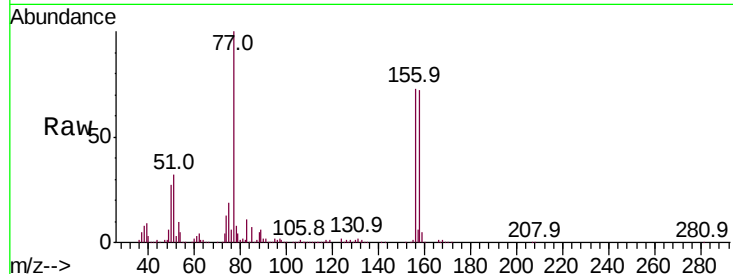
ClientSampleId :

VN0313WBSD01

Tot Ion:	156	Resp:	377444
Ion Ratio	Lower	Upper	
156	100		
77	159.0	81.5	244.4
158	97.9	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.811 ug/l

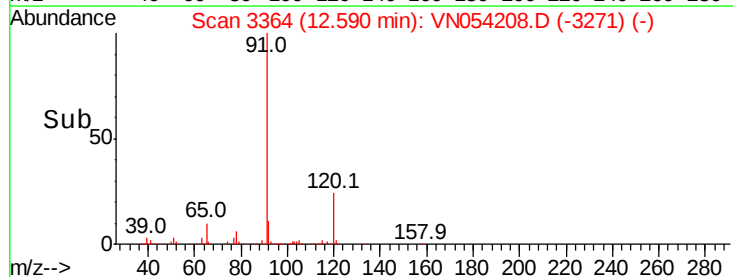
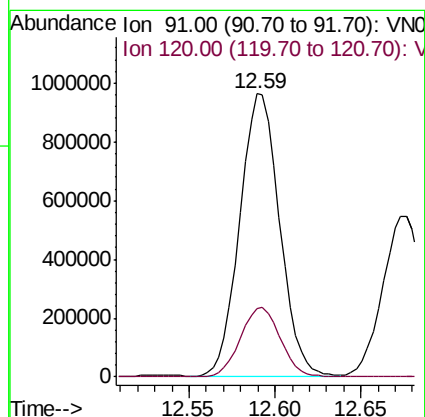
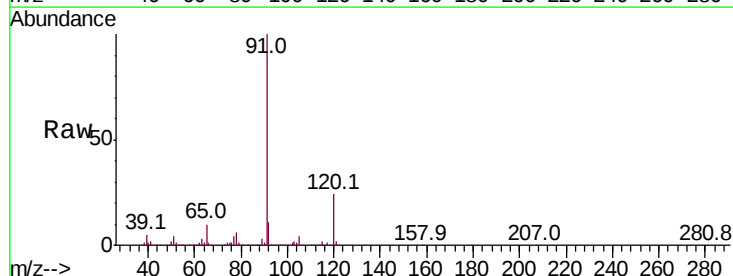
RT: 12.59 min Scan# 3364

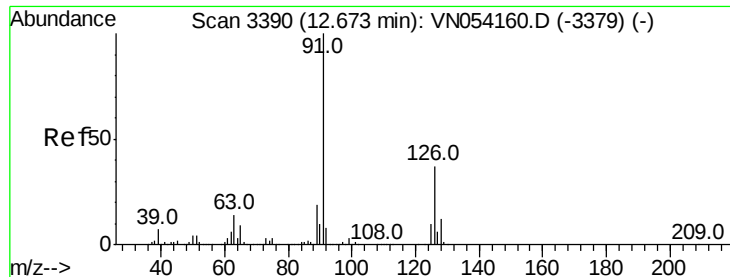
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	91	Resp:	1542885
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.3	36.9





#79

2-Chlorotoluene

Concen: 19.756 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion: 91 Resp: 925139

Ion Ratio Lower Upper

91 100

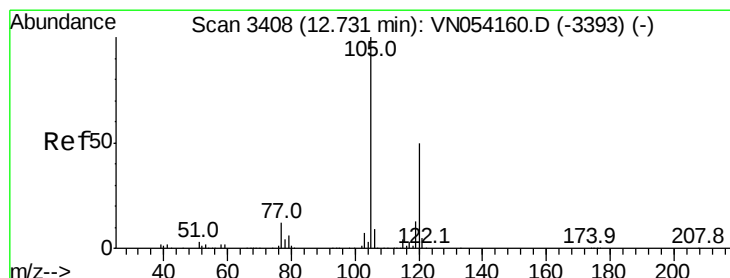
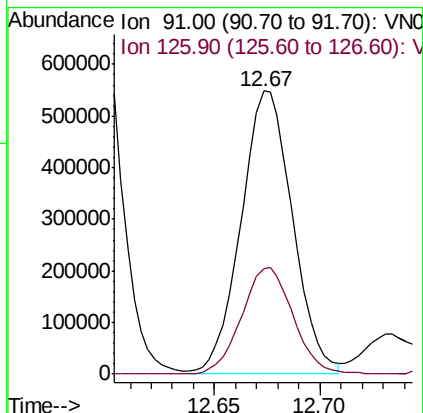
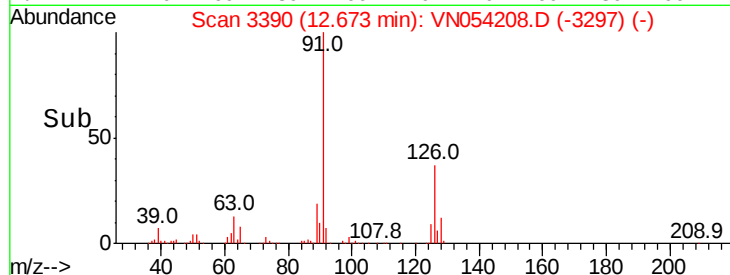
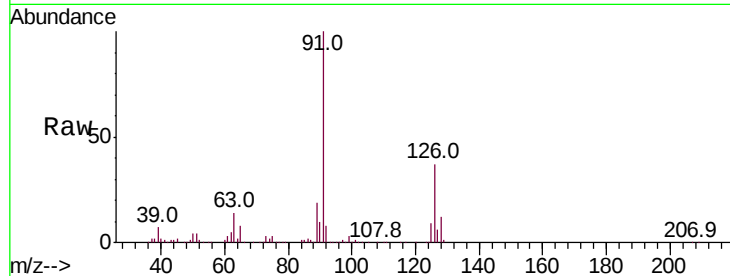
126 38.0 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.666 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054208.D

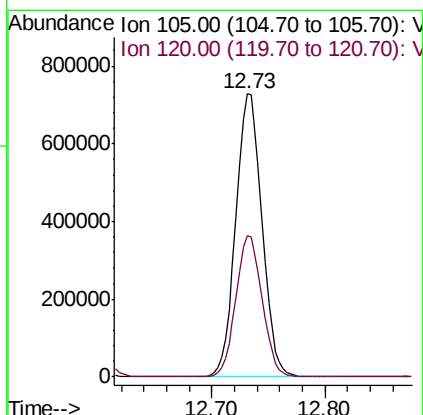
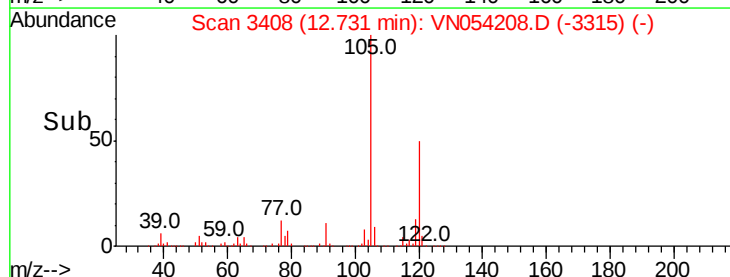
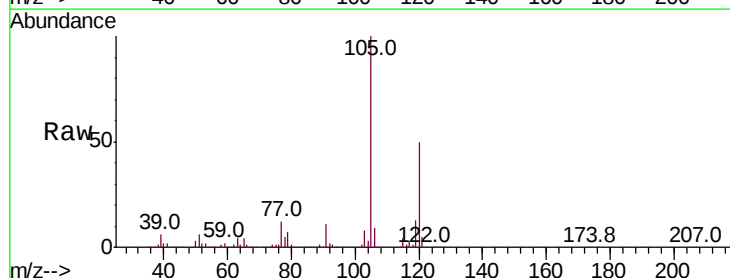
Acq: 13 Mar 2019 13:29

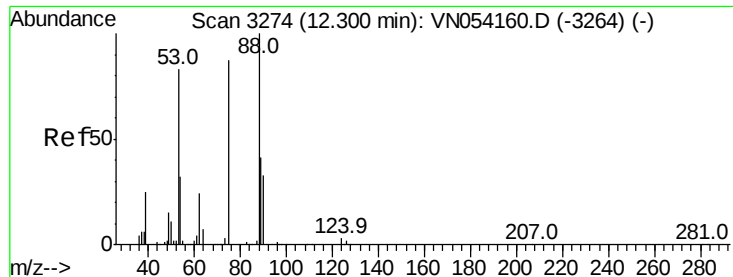
Tgt Ion: 105 Resp: 1174099

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.343 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

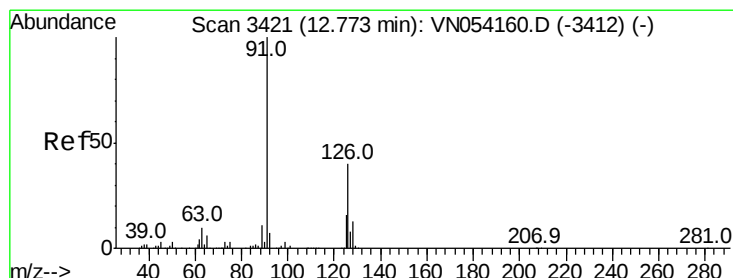
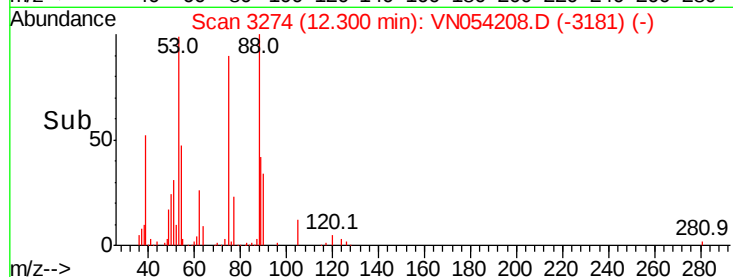
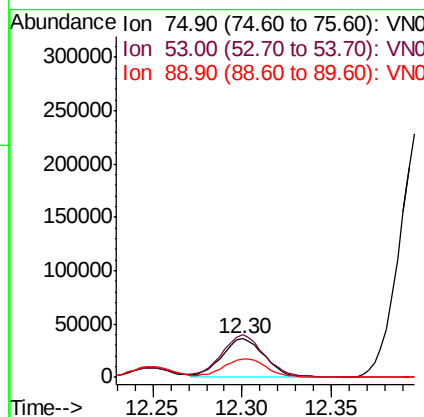
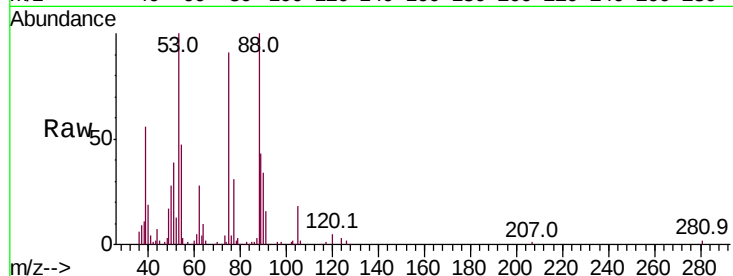
ClientSampleId :

VN0313WBSD01

Tot Ion:	75	Resp:	59213
Ion Ratio	Lower	Upper	
75	100		
53	111.9	76.2	114.2
89	49.4	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.729 ug/l

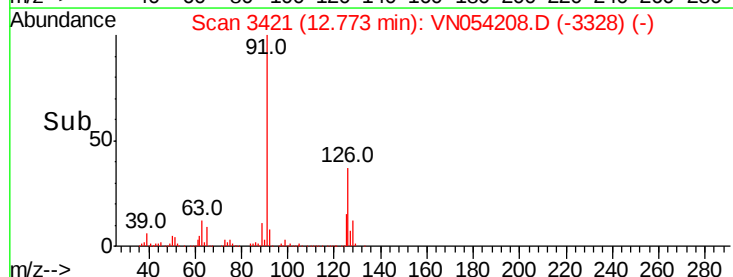
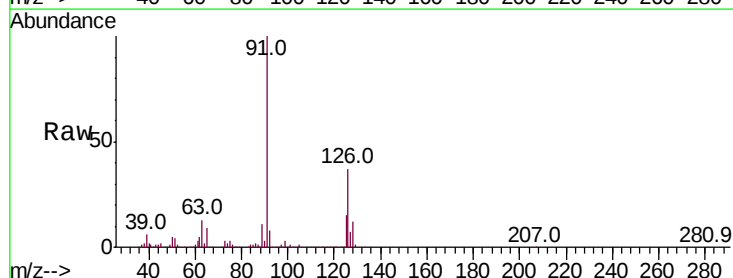
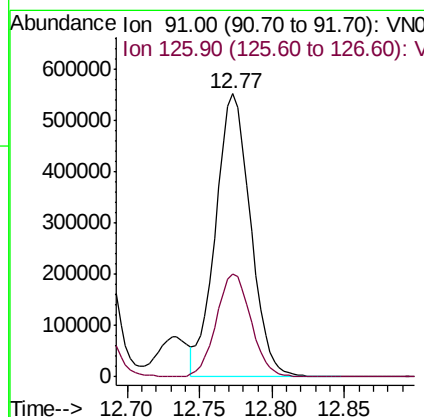
RT: 12.77 min Scan# 3421

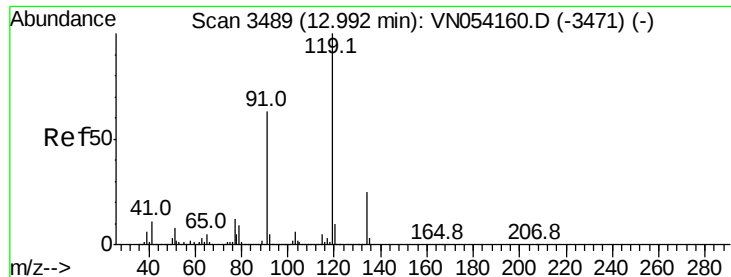
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	91	Resp:	922494
Ion Ratio	Lower	Upper	
91	100		
126	36.2	18.1	54.1





#83

tert-Butylbenzene

Concen: 19.804 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBSD01

Tot Ion:119 Resp: 1088260

Ion Ratio Lower Upper

119 100

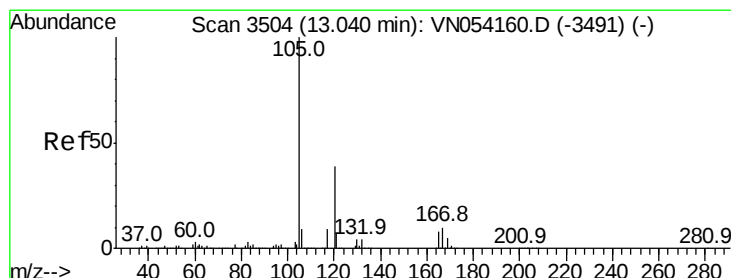
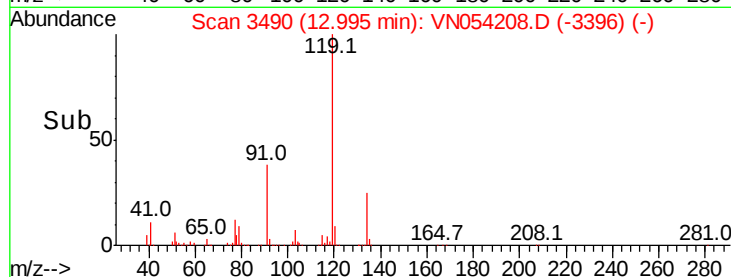
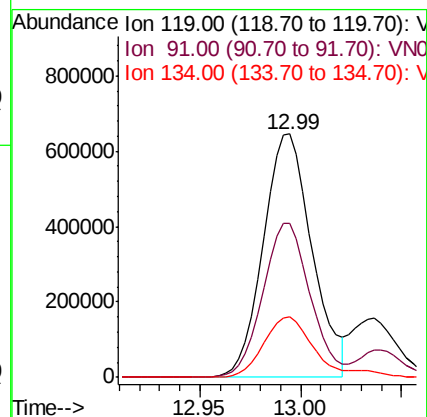
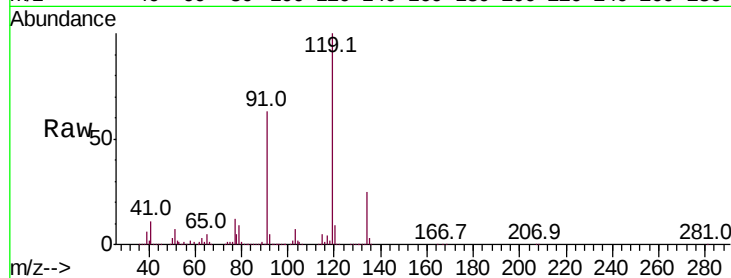
91 61.7 30.9 92.8

134 26.5 13.2 39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.052 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054208.D

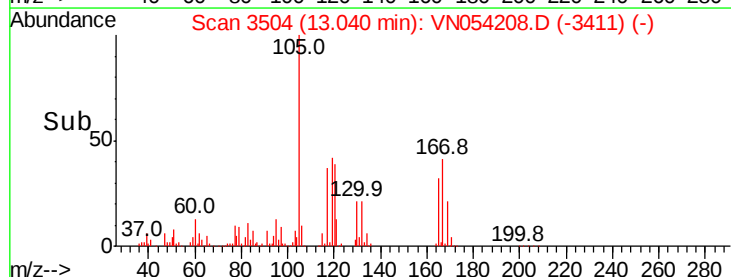
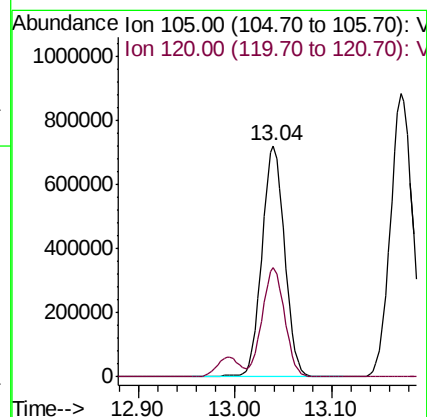
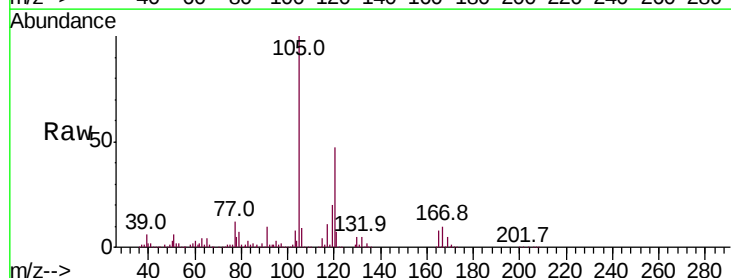
Acq: 13 Mar 2019 13:29

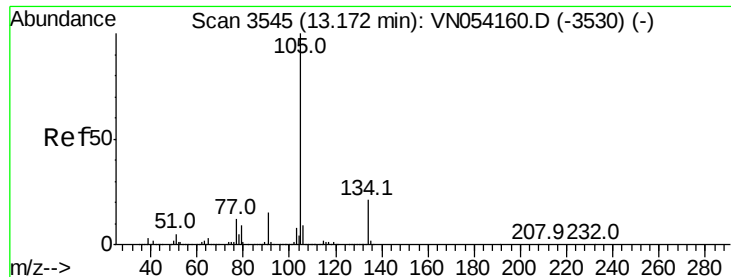
Tgt Ion:105 Resp: 1174447

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.3





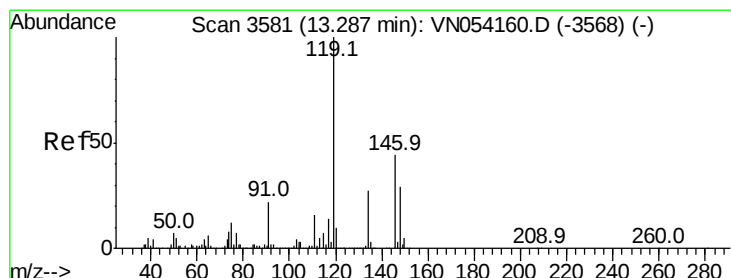
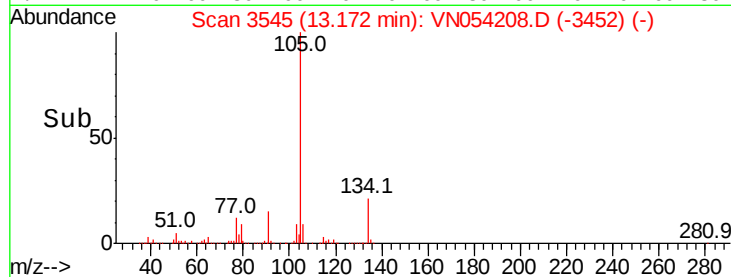
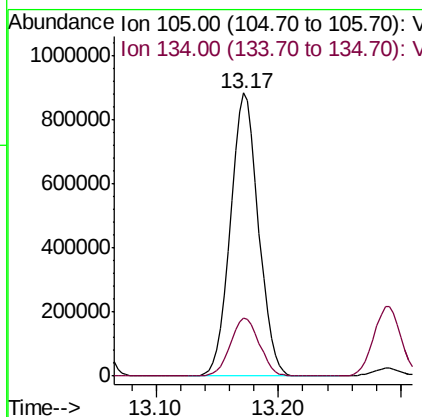
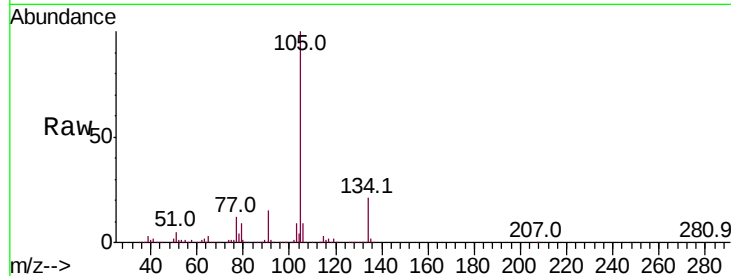
#85
 sec-Butylbenzene
 Concen: 19.826 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion:105 Resp: 1412931
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 32.1

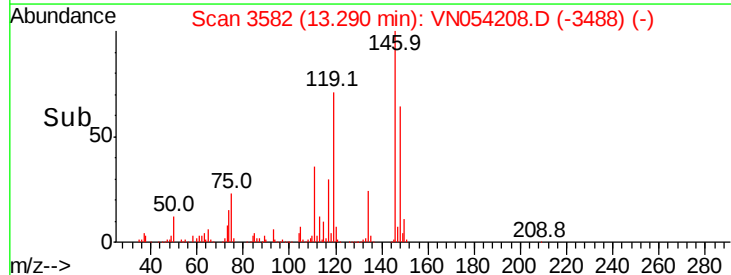
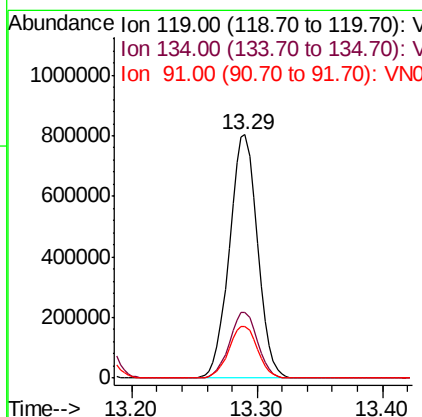
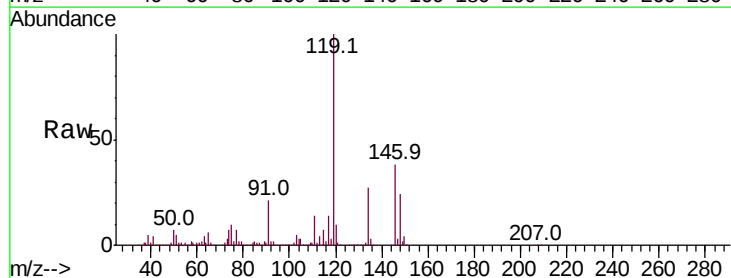
Manual Integrations
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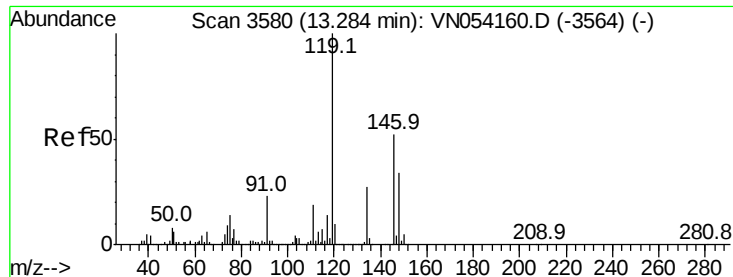
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#86
 p-Isopropyltoluene
 Concen: 19.892 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion:119 Resp: 1243665
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 21.8 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.134 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054208.D

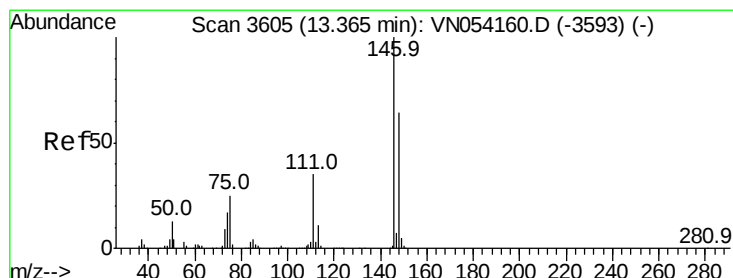
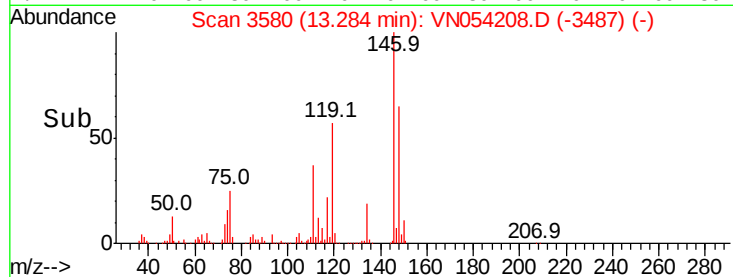
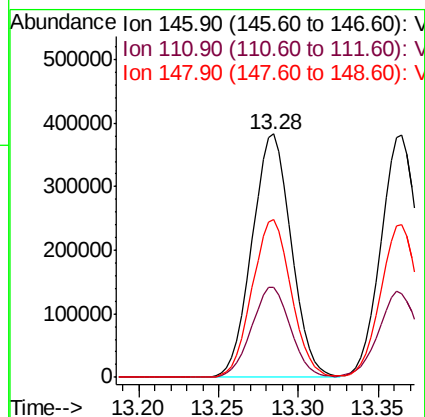
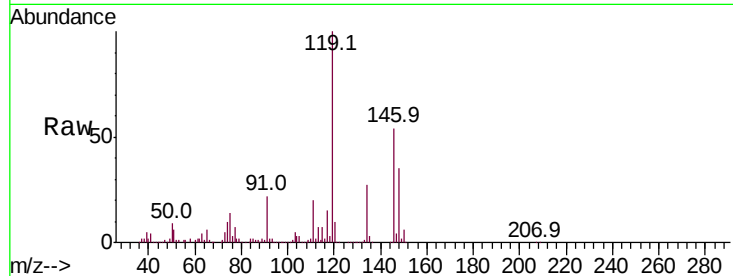
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.8	56.3
148	64.4	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.154 ug/l

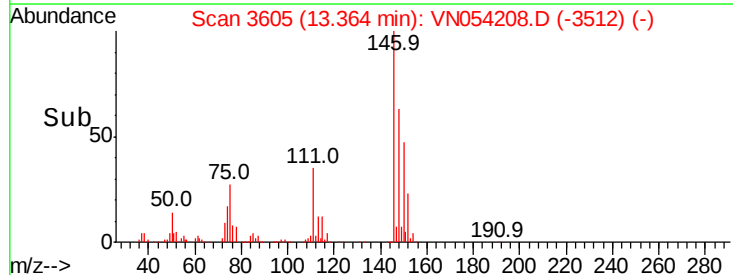
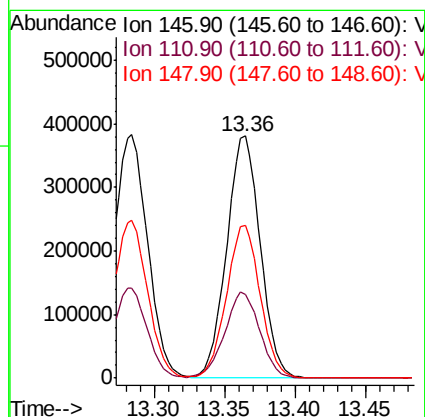
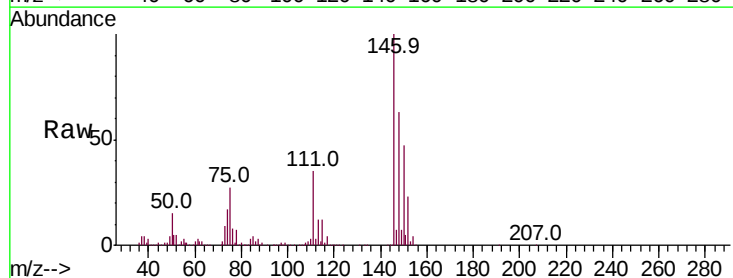
RT: 13.36 min Scan# 3605

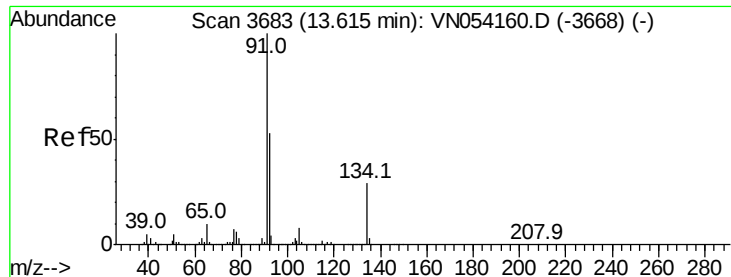
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.6	32.0	96.0





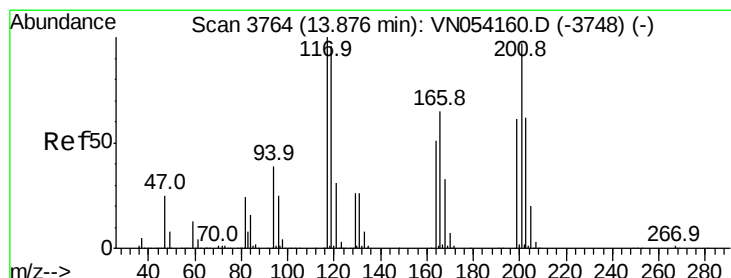
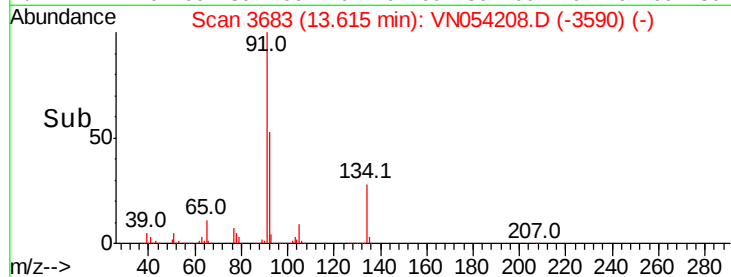
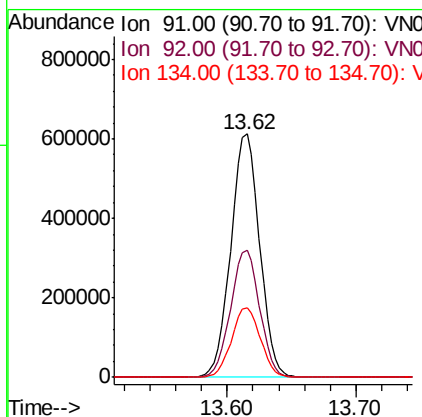
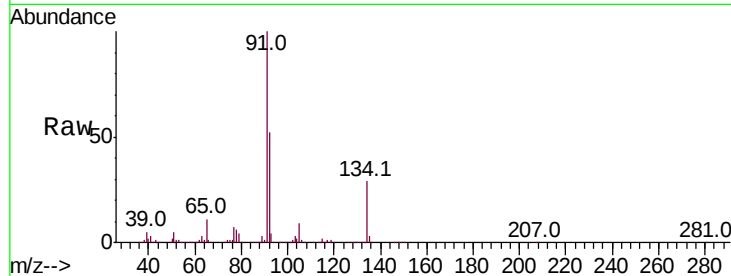
#89
n-Butylbenzene
Concen: 19.983 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	28.7	14.3	42.9

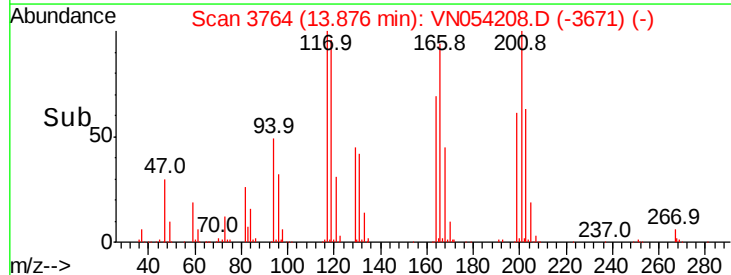
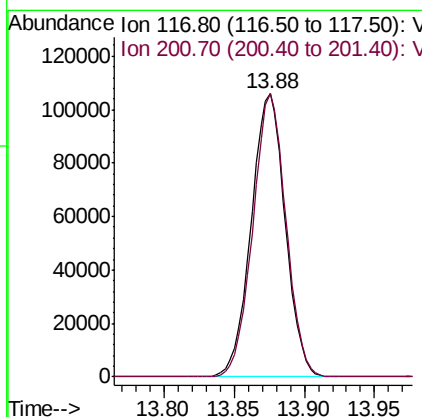
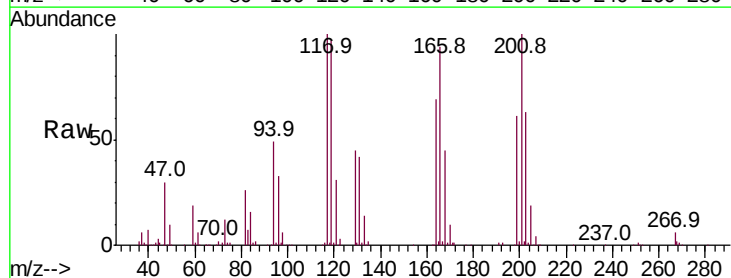
Manual Integrations
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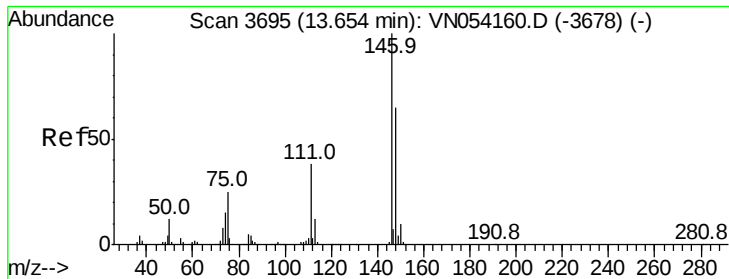
MMDadoda
3/14/2019 10:27:19 AM



#90
Hexachloroethane
Concen: 17.302 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.249 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Instrument :

MSVOA_N

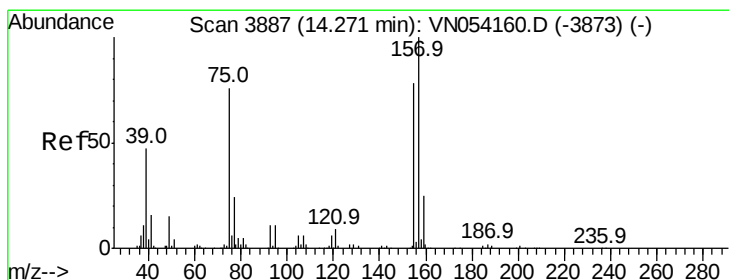
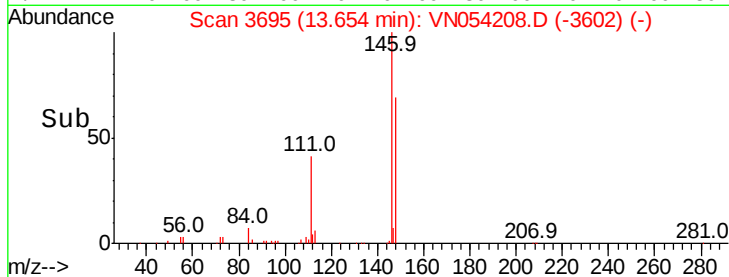
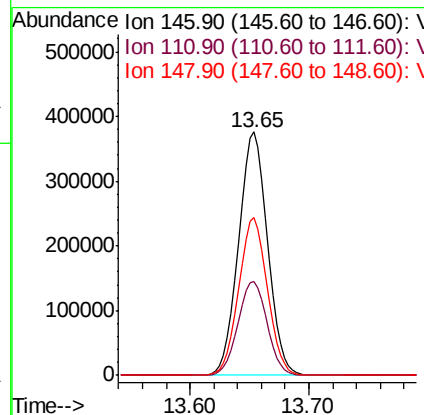
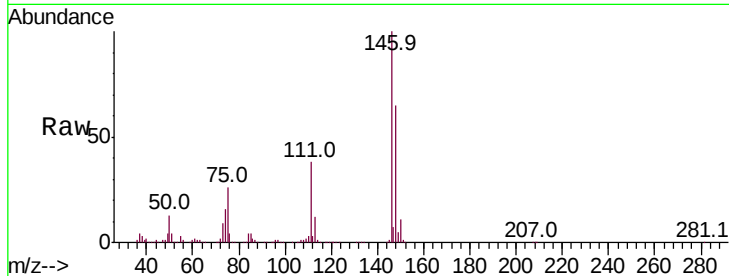
ClientSampleId :

VN0313WBSD01

Tot Ion:	146	Resp:	633520
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.3
148	64.3	32.4	97.0

Manual Integrations
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3/14/2019 10:27:19 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.457 ug/l

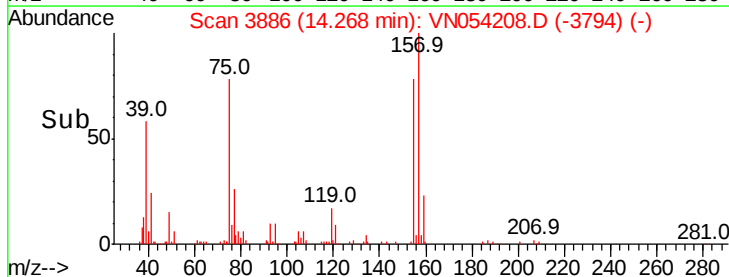
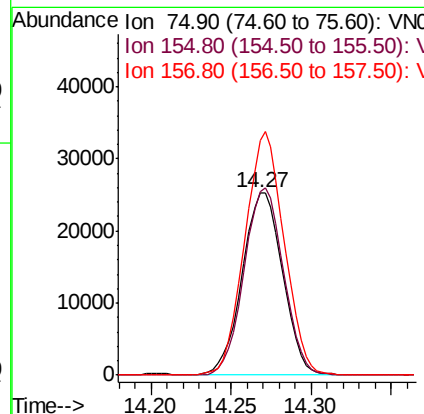
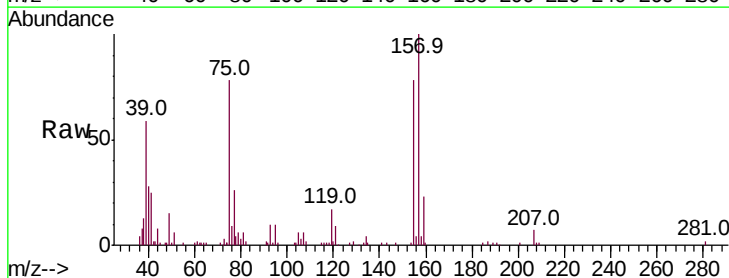
RT: 14.27 min Scan# 3886

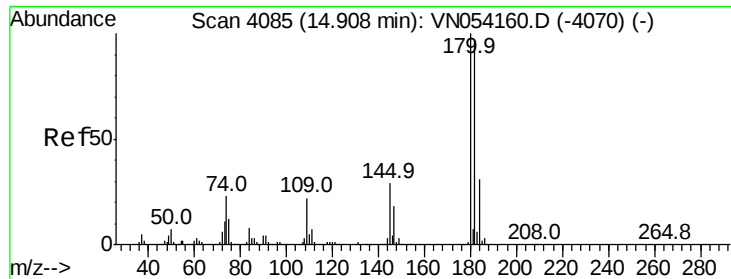
Delta R.T. -0.00 min

Lab File: VN054208.D

Acq: 13 Mar 2019 13:29

Tgt Ion:	75	Resp:	43677
Ion Ratio	Lower	Upper	
75	100		
155	99.6	50.1	150.3
157	129.6	63.1	189.3





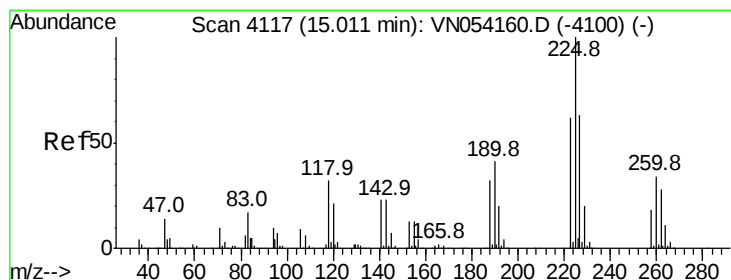
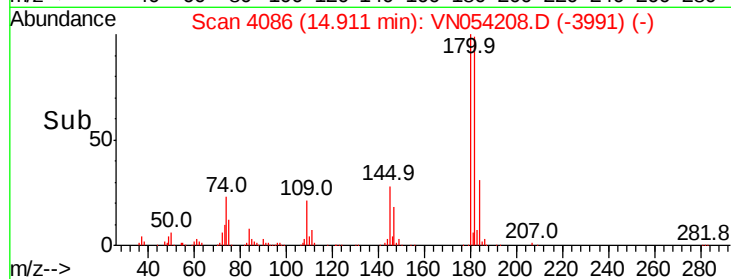
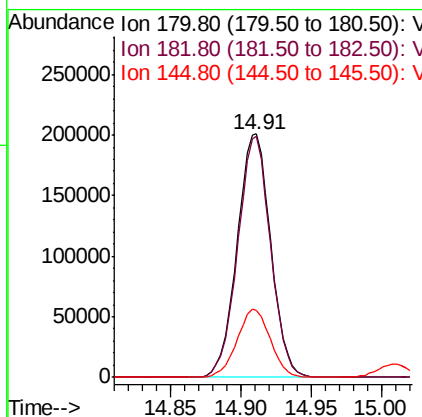
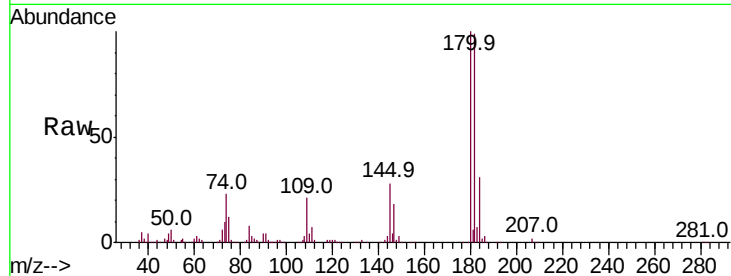
#93
 1,2,4-Trichlorobenzene
 Concen: 19.346 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	48.0	144.2	
145	28.0	14.2	42.8	

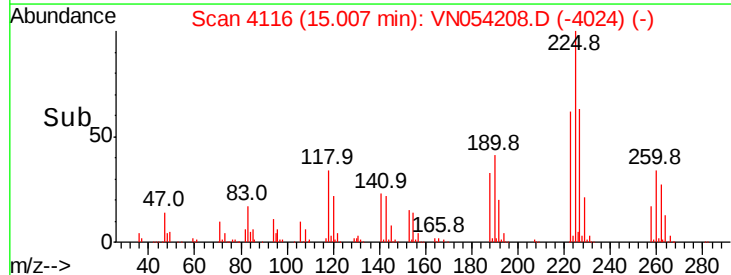
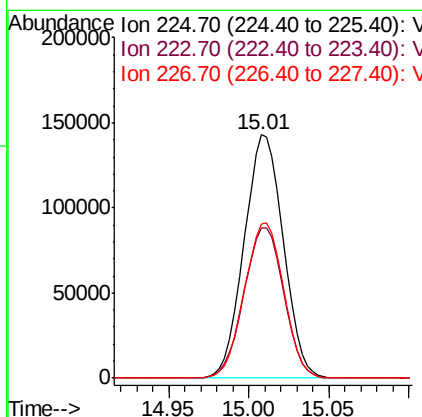
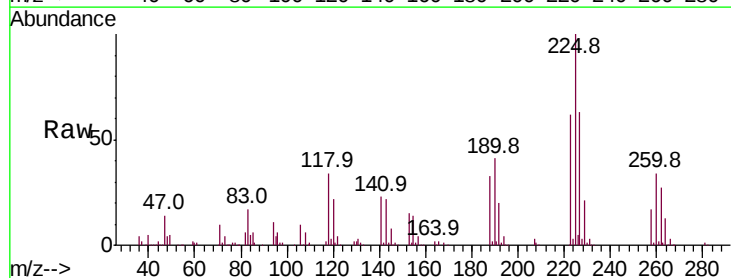
Manual Integrations
 APPROVED

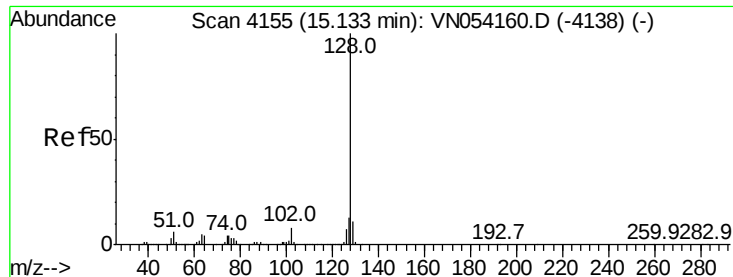
MMDadoda
 3/14/2019 10:27:19 AM



#94
 Hexachlorobutadiene
 Concen: 20.157 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054208.D
 Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.1	93.5	
227	64.1	31.9	95.9	





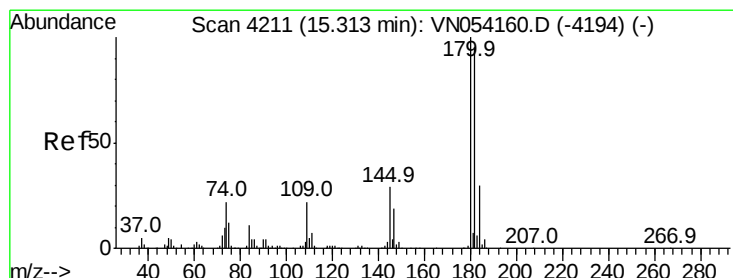
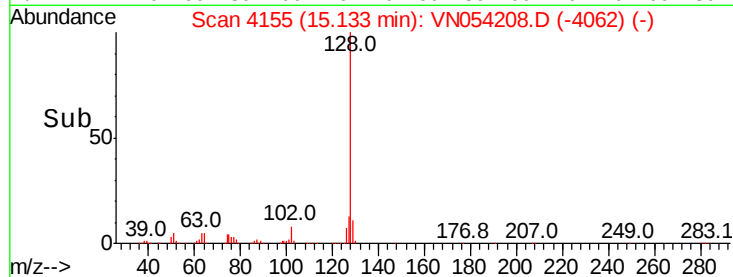
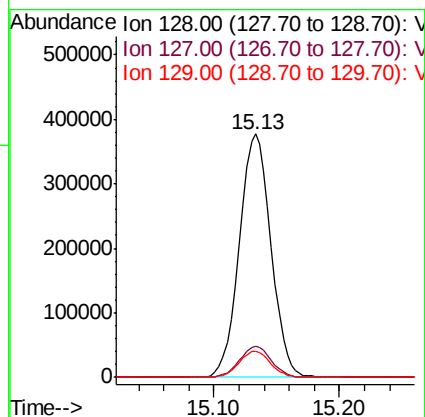
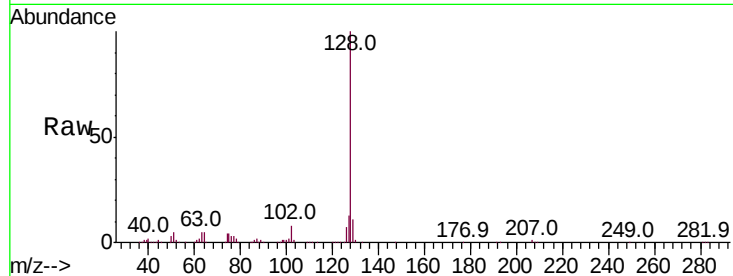
#95
Naphthalene
Concen: 19.041 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.442 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN054208.D
Acq: 13 Mar 2019 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	29.7	14.8	44.3

