

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054438.D
 Acq On : 19 Mar 2019 14:04
 Operator : JC/SP
 Sample : VN0319WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 12:21:41 PM

Quant Time: Mar 20 04:20:54 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	1367190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2082192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1771810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	804559	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	639775	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	7.59	113	644918	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.09	98	2328965	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
62) 4-Bromofluorobenzene	12.40	95	770770	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	240212	18.538	ug/l	98
3) Chloromethane	2.06	50	228474	18.152	ug/l	99
4) Vinyl Chloride	2.19	62	249448	17.340	ug/l	99
5) Bromomethane	2.58	94	167768	16.838	ug/l	99
6) Chloroethane	2.71	64	145052	16.665	ug/l	96
7) Trichlorofluoromethane	3.02	101	305561	15.976	ug/l	100
8) Diethyl Ether	3.41	74	164135	18.831	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	257113	17.939	ug/l	99
10) Methyl Iodide	3.95	142	372745	19.261	ug/l	99
11) Tert butyl alcohol	4.82	59	84568	84.960	ug/l	99
12) 1,1-Dichloroethene	3.73	96	253378	17.839	ug/l	97
13) Acrolein	3.61	56	60039	63.654	ug/l	96
14) Allyl chloride	4.32	41	332405	18.240	ug/l	93
15) Acrylonitrile	4.99	53	446615	109.231	ug/l	99
16) Acetone	3.82	43	283236	68.130	ug/l	97
17) Carbon Disulfide	4.04	76	509254	14.302	ug/l	100
18) Methyl Acetate	4.33	43	203408	24.184	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	738996	20.990	ug/l	98
20) Methylene Chloride	4.55	84	284759	20.860	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	262061	19.257	ug/l	98
22) Diisopropyl ether	5.96	45	751307	20.657	ug/l	96
23) Vinyl Acetate	5.90	43	2478042	92.406	ug/l	98
24) 1,1-Dichloroethane	5.84	63	474075	20.300	ug/l	99
25) 2-Butanone	6.85	43	482257	98.836	ug/l	97
26) 2,2-Dichloropropane	6.82	77	306725	14.935	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	318225	20.960	ug/l	96
28) Bromochloromethane	7.20	49	187541	19.644	ug/l	94
29) Tetrahydrofuran	7.22	42	321693	102.539	ug/l	95
30) Chloroform	7.37	83	496166	20.360	ug/l	99
31) Cyclohexane	7.65	56	430794	18.969	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	401050	18.223	ug/l	99
36) 1,1-Dichloropropene	7.79	75	362404	18.900	ug/l	99
37) Ethyl Acetate	6.94	43	216461	19.646	ug/l	98
38) Carbon Tetrachloride	7.77	117	336543	16.736	ug/l	98

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Quant Time: Mar 20 04:20:54 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)
39) Methylcyclohexane	9.08	83	426071	18.059	ug/l	98
40) Benzene	8.04	78	1129016	20.576	ug/l	98
41) Methacrylonitrile	7.18	41	105748	16.810	ug/l	89
42) 1,2-Dichloroethane	8.12	62	341649	18.442	ug/l	96
43) Isopropyl Acetate	8.17	43	344771	17.827	ug/l	95
44) Trichloroethene	8.83	130	336407	19.735	ug/l	100
45) 1,2-Dichloropropane	9.12	63	285754	20.973	ug/l	98
46) Dibromomethane	9.21	93	179764	19.527	ug/l	99
47) Bromodichloromethane	9.40	83	333149	18.051	ug/l	100
48) Methyl methacrylate	9.20	41	188618	19.218	ug/l	92
49) 1,4-Dioxane	9.21	88	57779	416.205	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1025602	100.210	ug/l	94
52) Toluene	10.16	92	709528	20.393	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	294175	15.369	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	391486	18.203	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	264851	20.848	ug/l	99
56) Ethyl methacrylate	10.43	69	305920	20.195	ug/l #	90
57) 1,3-Dichloropropane	10.71	76	429489	20.676	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	567054	97.306	ug/l	100
59) 2-Hexanone	10.75	43	641045	94.133	ug/l	95
60) Dibromochloromethane	10.90	129	254153	17.774	ug/l	100
61) 1,2-Dibromoethane	11.01	107	259278	20.083	ug/l	100
64) Tetrachloroethene	10.63	164	335628	19.592	ug/l	99
65) Chlorobenzene	11.43	112	801262	20.596	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	272449	19.278	ug/l	98
67) Ethyl Benzene	11.51	91	1296604	20.105	ug/l	99
68) m/p-Xylenes	11.62	106	1039580	41.244	ug/l	97
69) o-Xylene	11.95	106	521496	21.224	ug/l	96
70) Styrene	11.96	104	799031	20.735	ug/l	99
71) Bromoform	12.13	173	157455	16.279	ug/l #	99
73) Isopropylbenzene	12.25	105	1333816	20.721	ug/l	99
74) N-amyl acetate	12.07	43	285629	19.991	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	299533	21.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	243690m	20.597	ug/l	
77) Bromobenzene	12.53	156	379419	22.275	ug/l	88
78) n-propylbenzene	12.59	91	1407813	20.156	ug/l	99
79) 2-Chlorotoluene	12.67	91	867007	20.645	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1091824	20.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	45235	13.070	ug/l #	82
82) 4-Chlorotoluene	12.77	91	840315	20.039	ug/l	98
83) tert-Butylbenzene	12.99	119	998131	20.253	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1090037	20.752	ug/l	100
85) sec-Butylbenzene	13.17	105	1246803	19.508	ug/l	99
86) p-Isopropyltoluene	13.29	119	1107889	19.759	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	577165	20.109	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	559559	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	798892	18.752	ug/l	99
90) Hexachloroethane	13.87	117	145326	15.653	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	585189	20.856	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36979	17.425	ug/l	90

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Instrument :
MSVOA_N
ClientSampleId :
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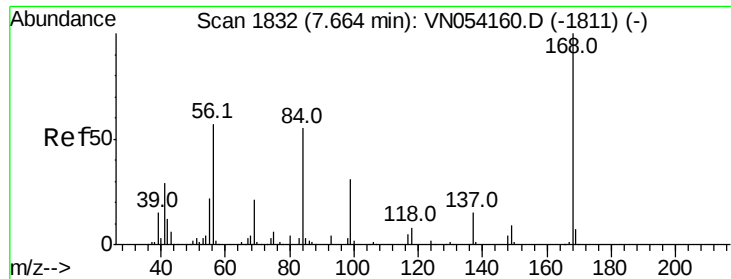
Manual Integrations
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3/20/2019 12:21:41 PM

Quant Time: Mar 20 04:20:54 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)
93) 1,2,4-Trichlorobenzene	14.91	180	292803	18.932	ug/l	100
94) Hexachlorobutadiene	15.01	225	184041	17.220	ug/l	99
95) Naphthalene	15.13	128	652752	20.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	298302	20.009	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion:168 Resp: 1367190

Ion Ratio Lower Upper

168 100

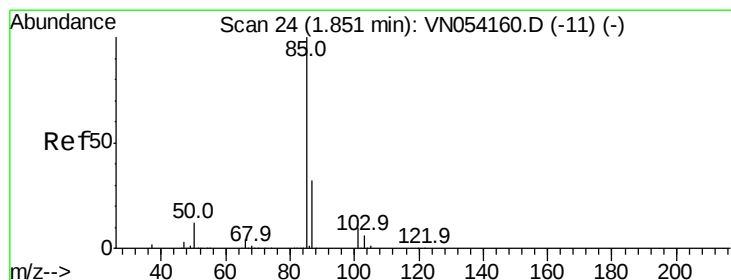
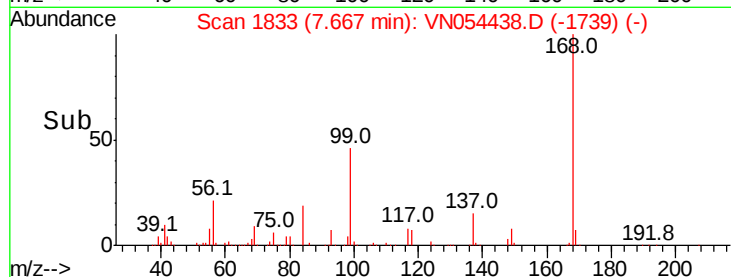
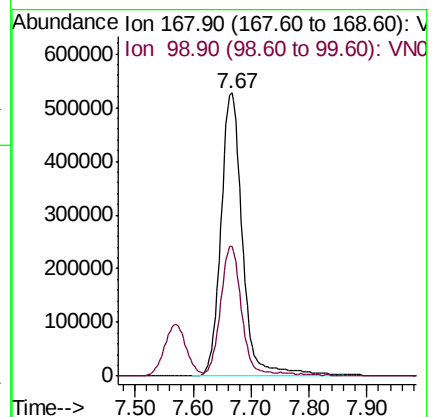
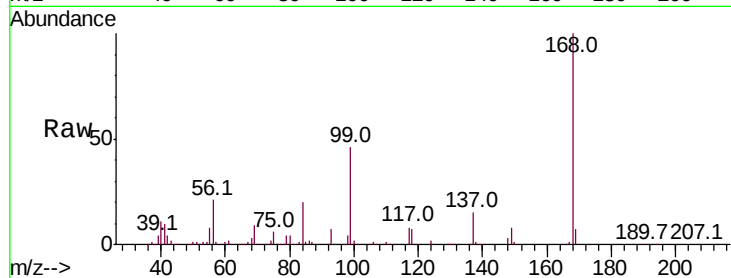
99 45.6 37.1 55.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 18.538 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054438.D

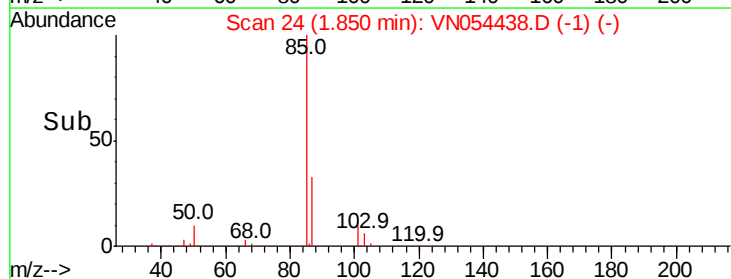
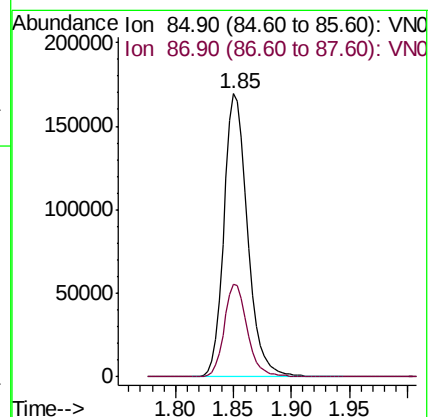
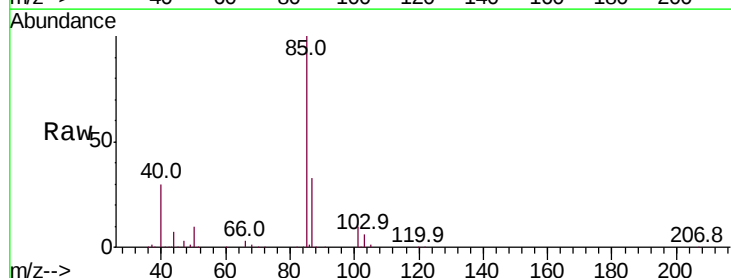
Acq: 19 Mar 2019 14:04

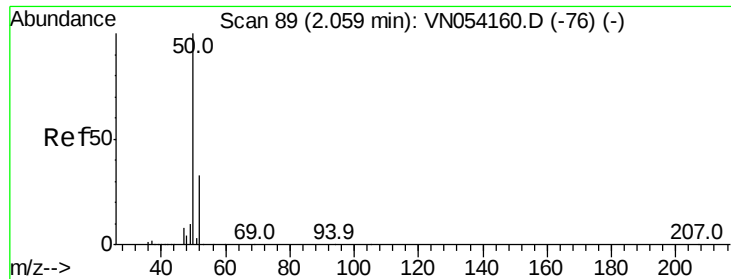
Tgt Ion: 85 Resp: 240212

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.7





#3

Chloromethane

Concen: 18.152 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 50 Resp: 228474

Ion Ratio Lower Upper

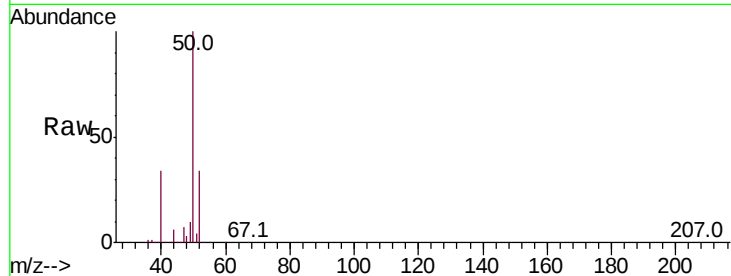
50 100

52 33.8 26.4 39.6

Manual Integrations
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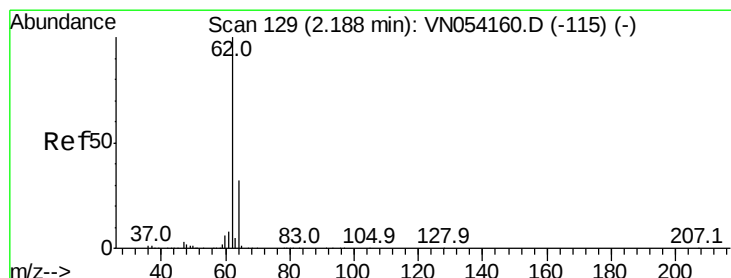
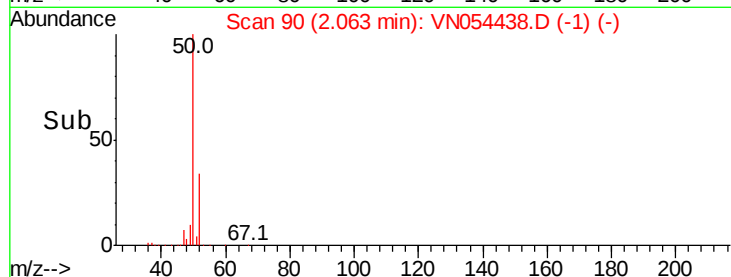
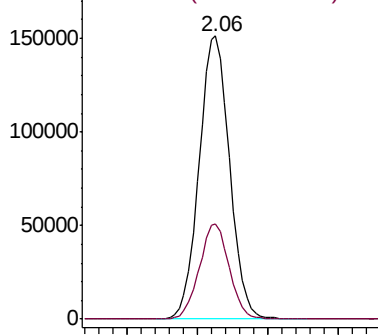
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 17.340 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054438.D

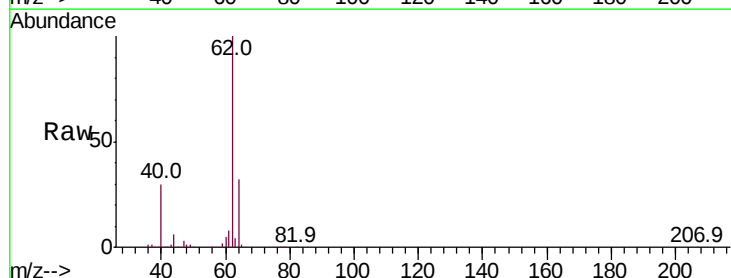
Acq: 19 Mar 2019 14:04

Tgt Ion: 62 Resp: 249448

Ion Ratio Lower Upper

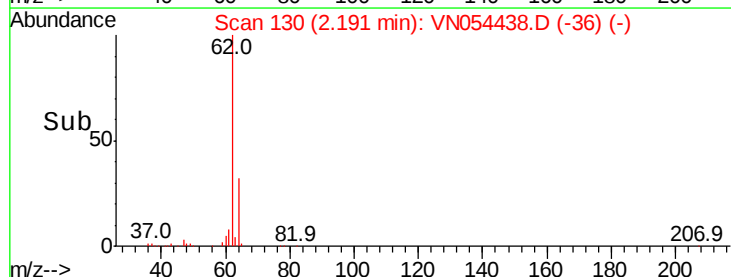
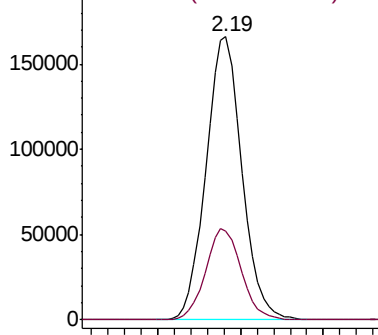
62 100

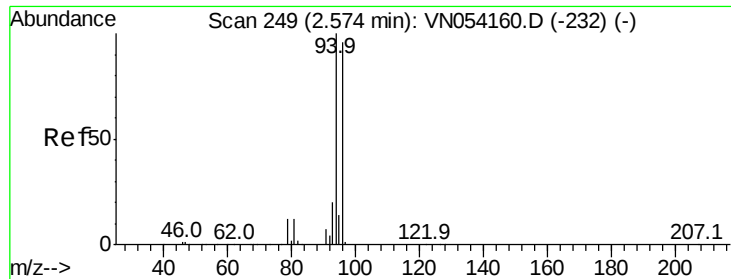
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 16.838 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 94 Resp: 167768

Ion Ratio Lower Upper

94 100

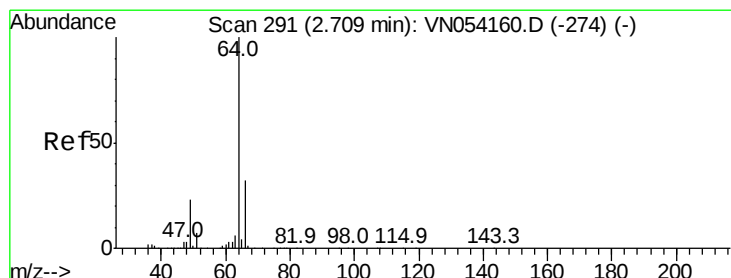
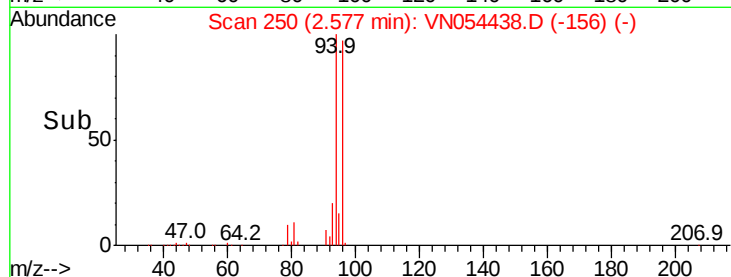
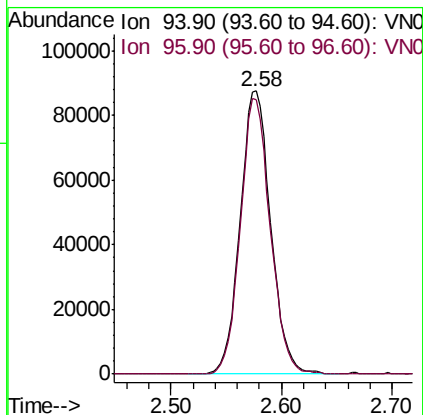
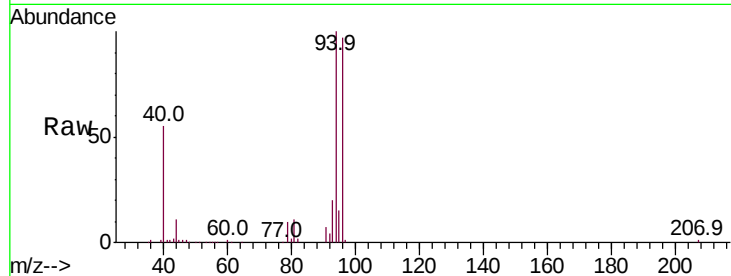
96 97.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 16.665 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054438.D

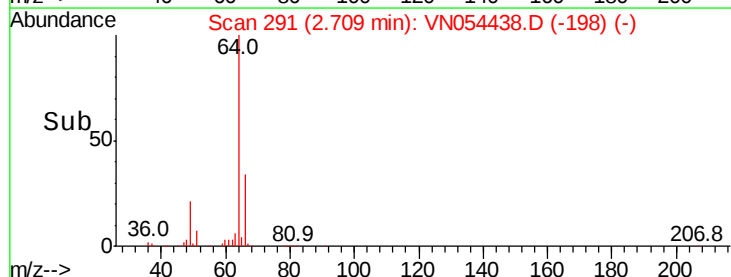
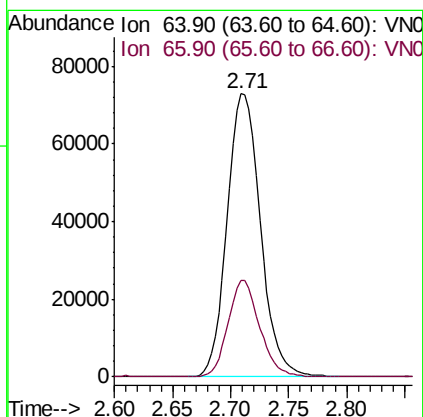
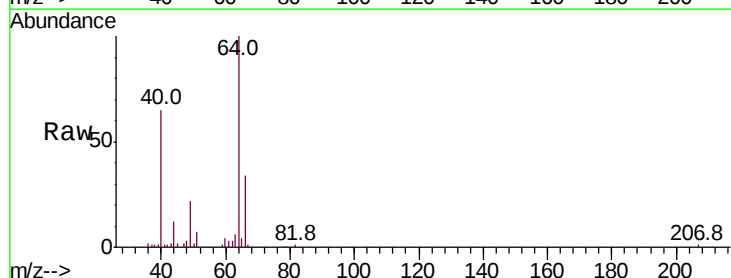
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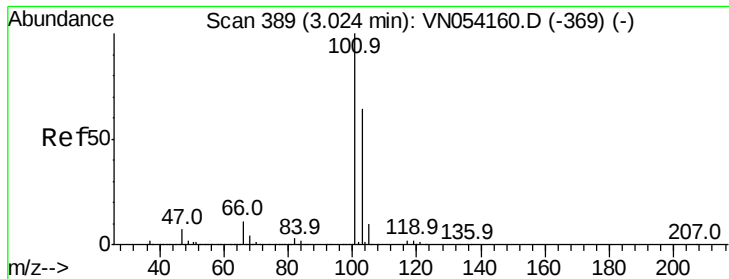
Tgt Ion: 64 Resp: 145052

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5





#7

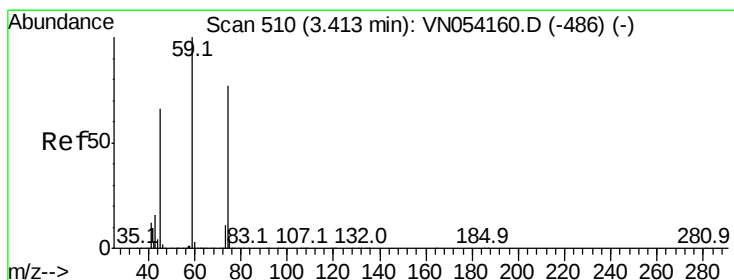
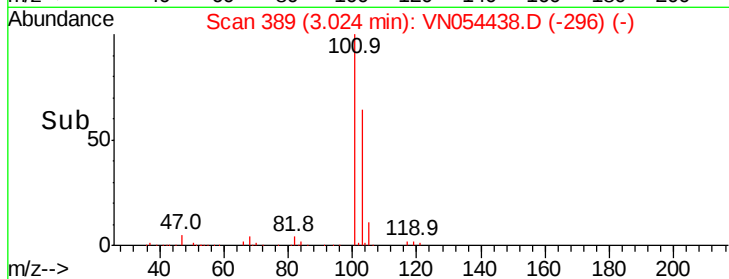
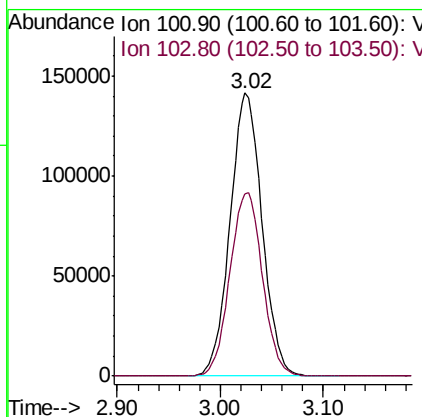
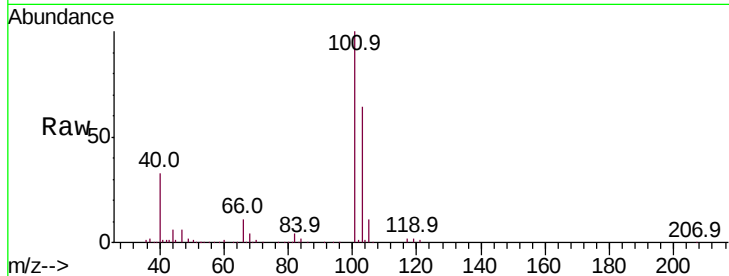
Trichlorofluoromethane
 Concen: 15.976 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Instrument :
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 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.4	77.2

Manual Integrations
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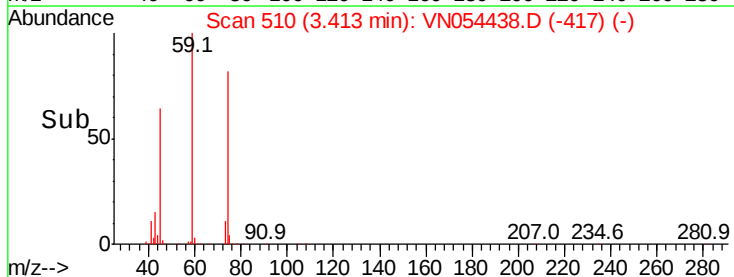
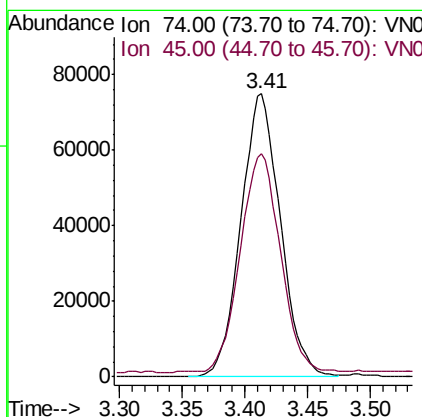
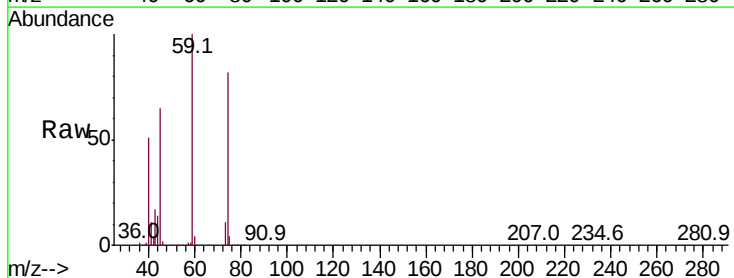
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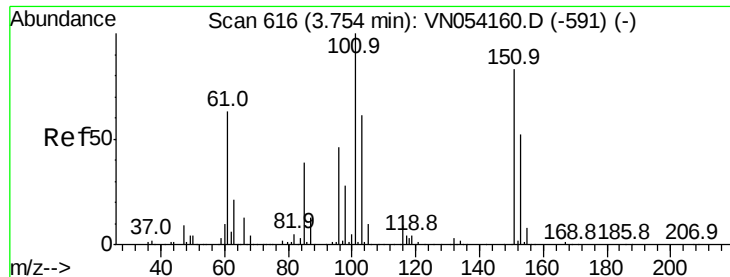


#8

Diethyl Ether
 Concen: 18.831 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.939 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

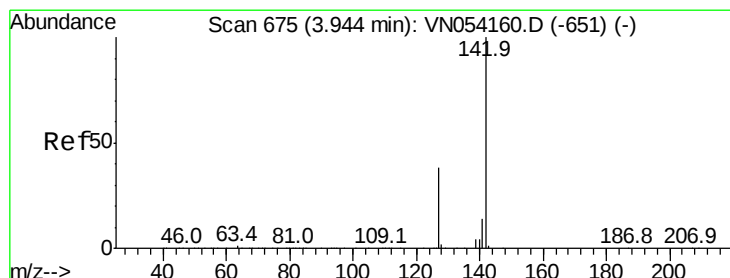
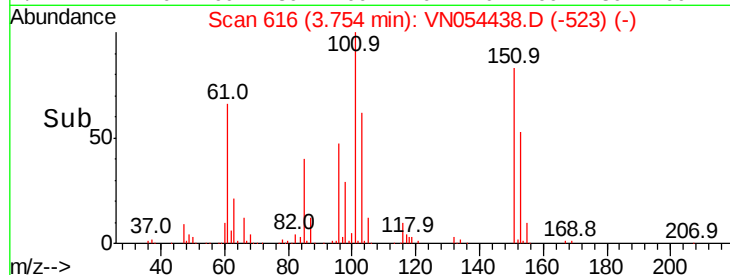
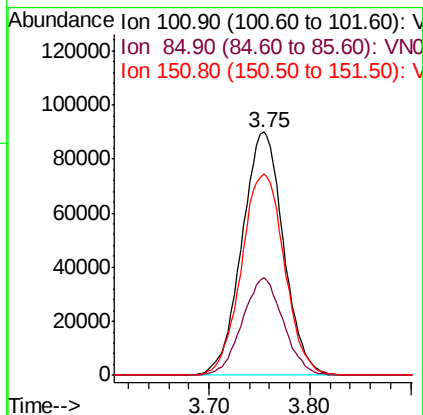
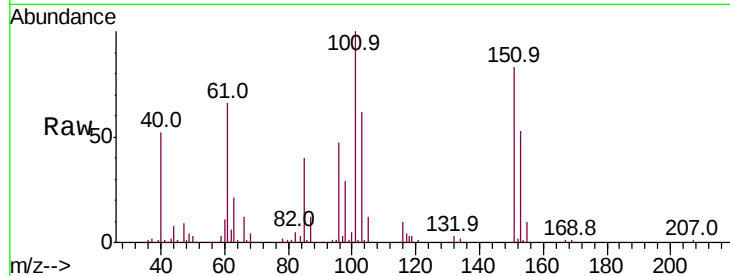
ClientSampleId :

VN0319WBS01

Tot Ion:	101	Resp:	257113
Ion Ratio	Lower	Upper	
101	100		
85	39.7	32.4	48.6
151	85.7	68.2	102.2

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#10

Methyl Iodide

Concen: 19.261 ug/l

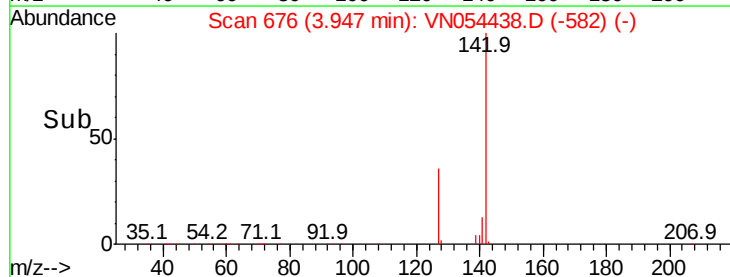
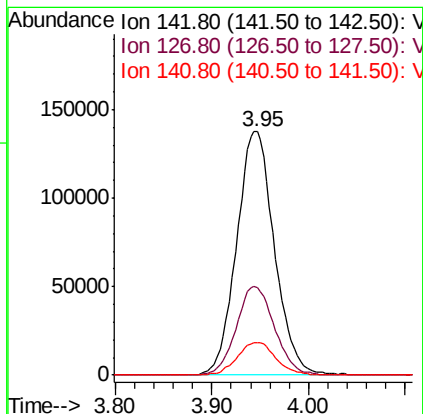
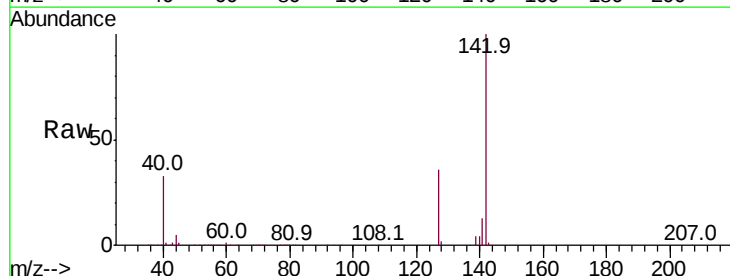
RT: 3.95 min Scan# 676

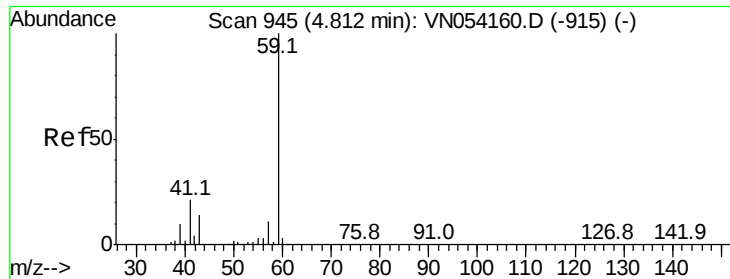
Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	142	Resp:	372745
Ion Ratio	Lower	Upper	
142	100		
127	37.0	30.3	45.5
141	13.8	11.2	16.8





#11

Tert butyl alcohol

Concen: 84.960 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

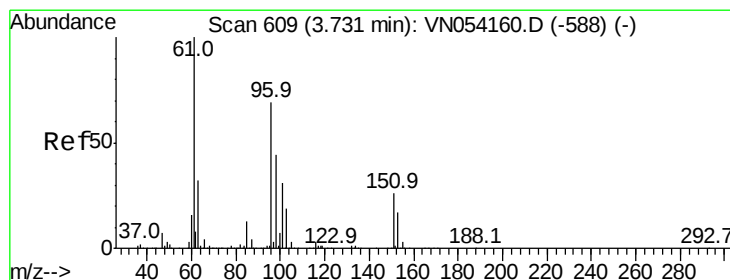
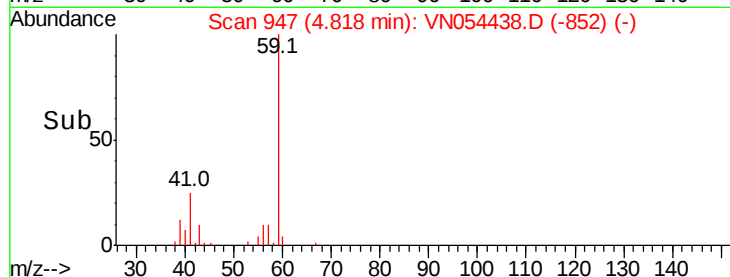
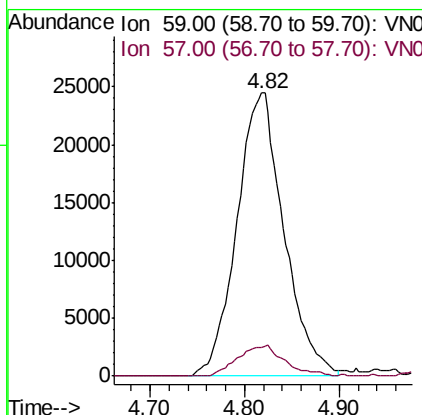
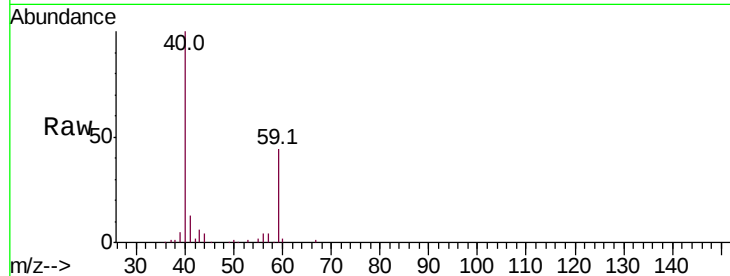
Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion: 59 Resp: 84568

Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.0	13.6

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#12

1,1-Dichloroethene

Concen: 17.839 ug/l

RT: 3.73 min Scan# 609

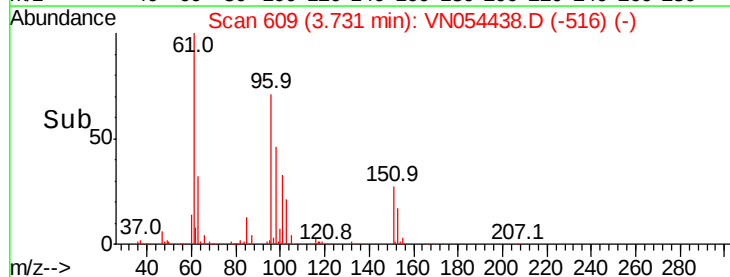
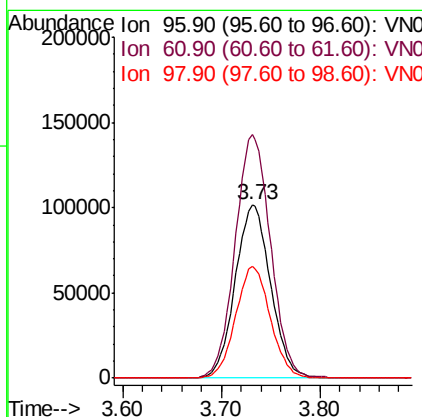
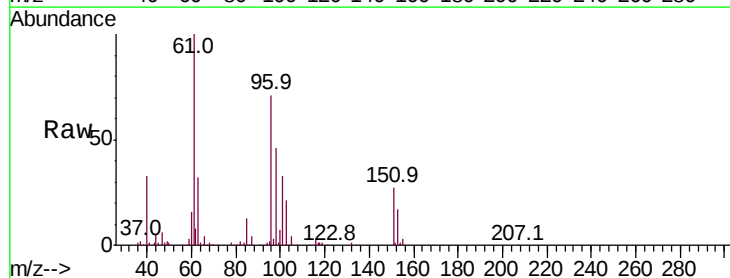
Delta R.T. -0.00 min

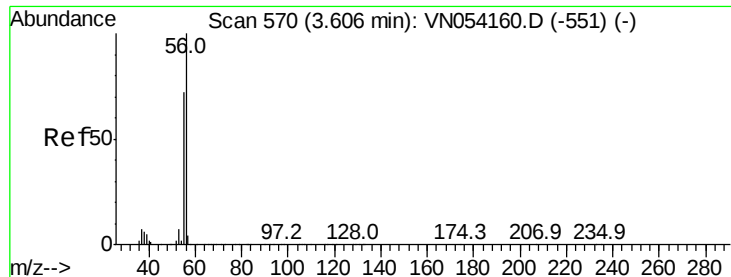
Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion: 96 Resp: 253378

Ion	Ratio	Lower	Upper
96	100		
61	140.2	116.5	174.7
98	64.1	51.0	76.4





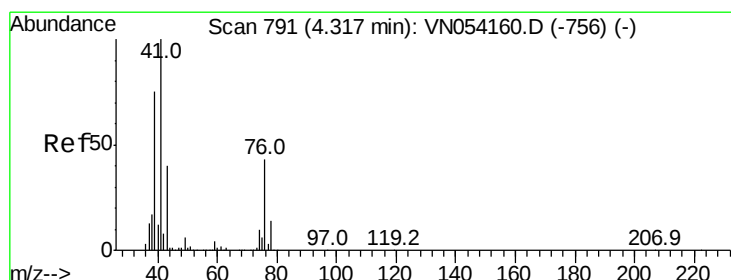
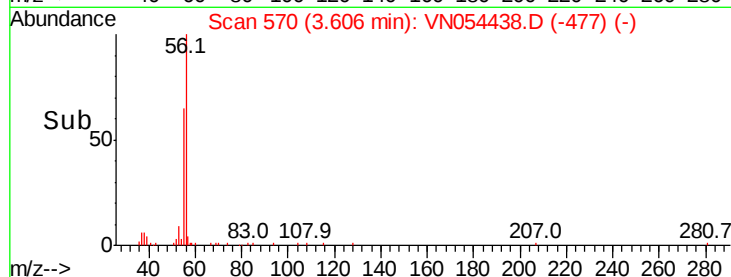
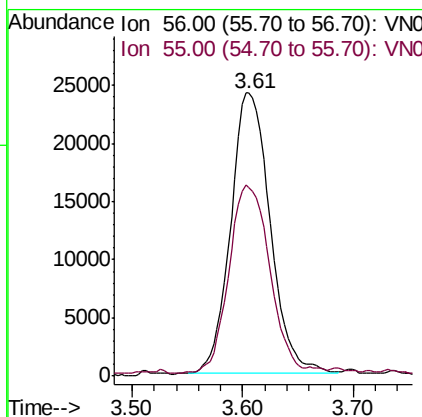
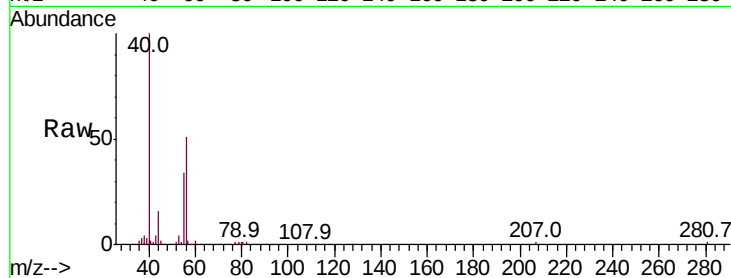
#13
Acrolein
Concen: 63.654 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion: 56 Resp: 60039
Ion Ratio Lower Upper
56 100
55 67.7 56.7 85.1

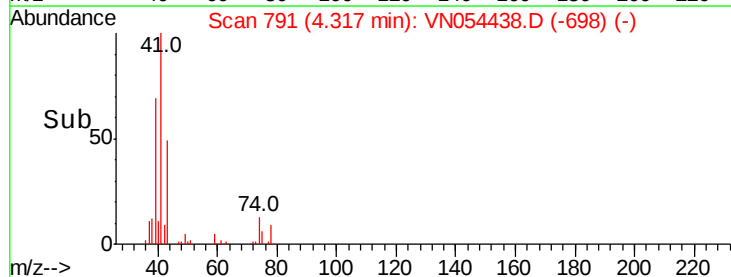
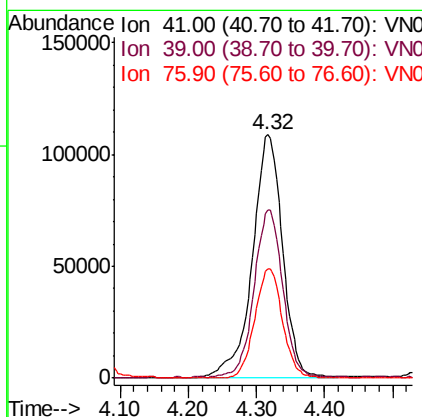
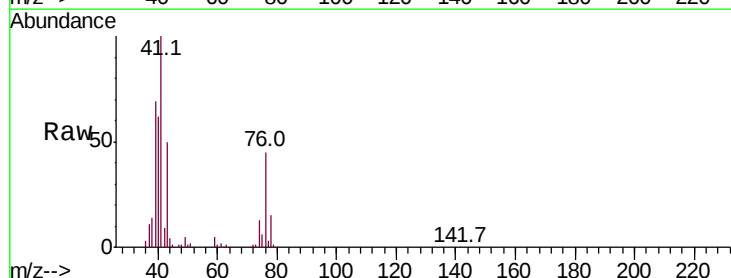
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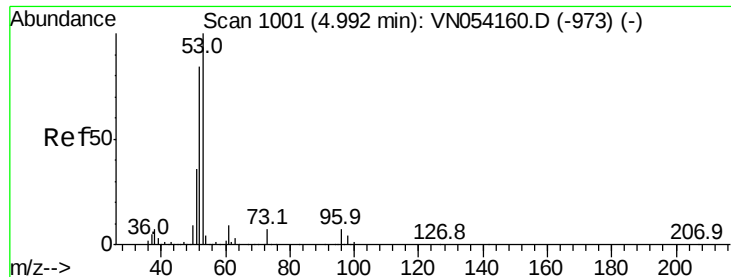
MMDadoda
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#14
Allyl chloride
Concen: 18.240 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 41 Resp: 332405
Ion Ratio Lower Upper
41 100
39 65.1 58.2 87.4
76 41.5 31.7 47.5





#15

Acrylonitrile

Concen: 109.231 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

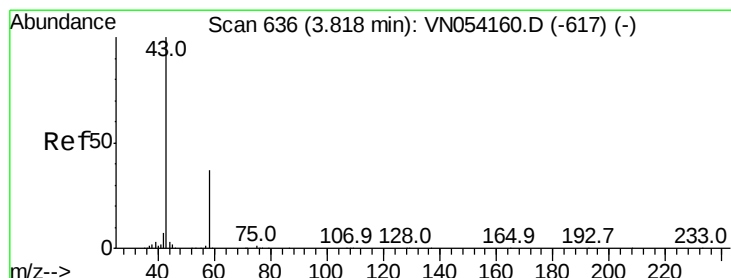
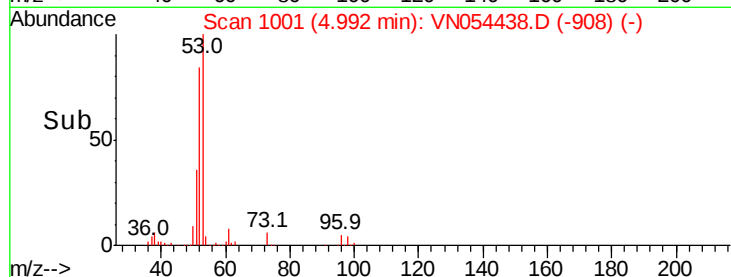
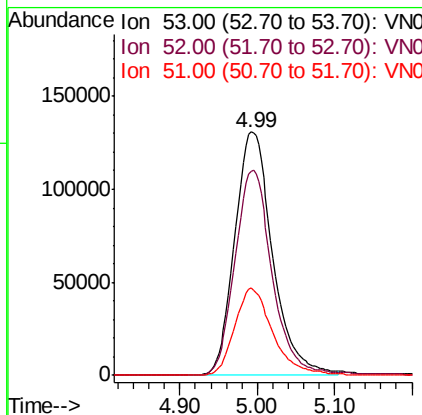
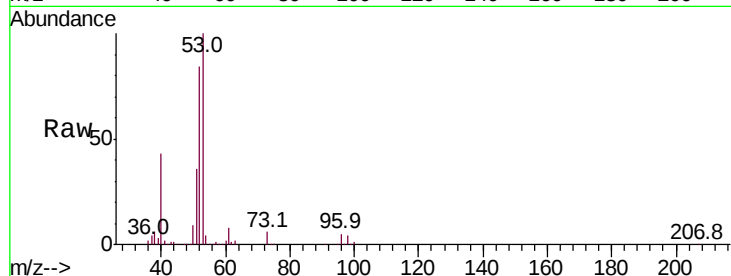
ClientSampleId :

VN0319WBS01

Tot Ion:	53	Resp:	446615
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	35.8	29.6	44.4

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#16

Acetone

Concen: 68.130 ug/l

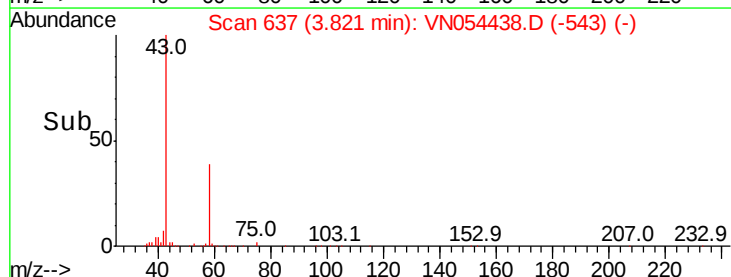
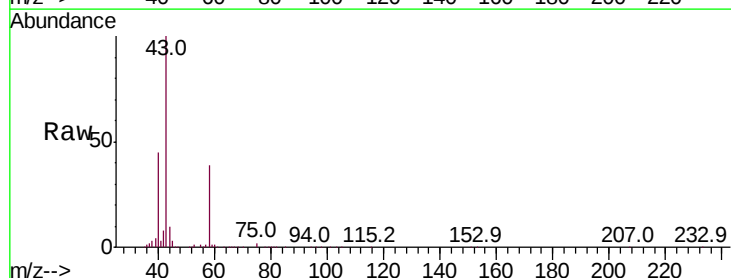
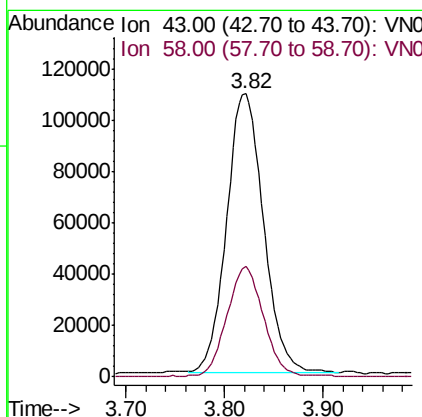
RT: 3.82 min Scan# 637

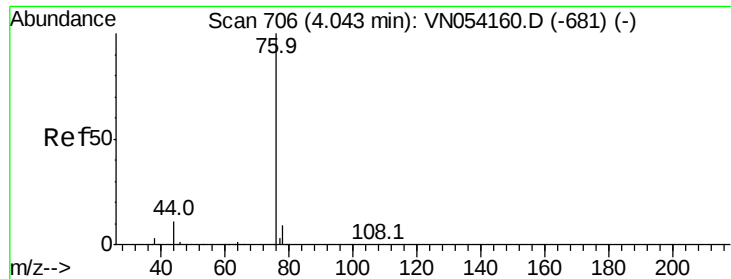
Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	43	Resp:	283236
Ion	Ratio	Lower	Upper
43	100		
58	39.3	29.9	44.9





#17

Carbon Disulfide

Concen: 14.302 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 76 Resp: 509254

Ion Ratio Lower Upper

76 100

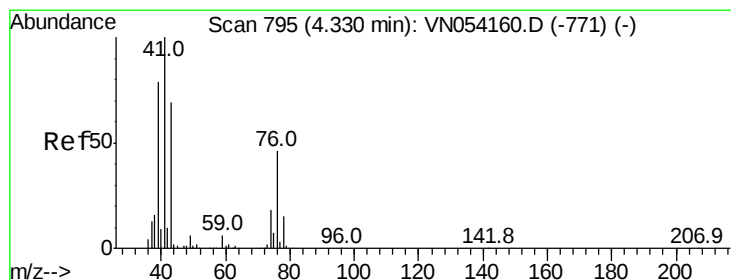
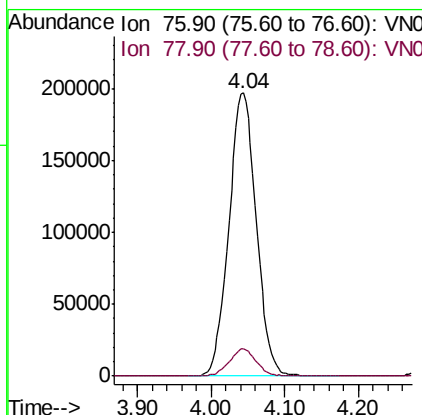
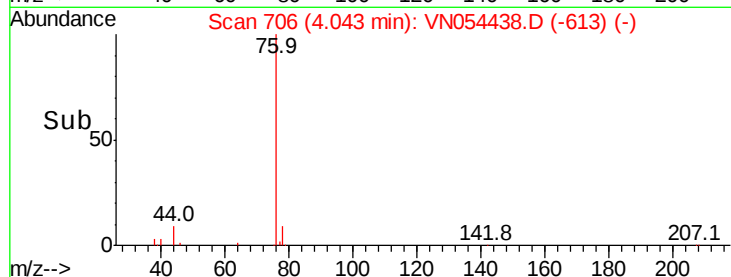
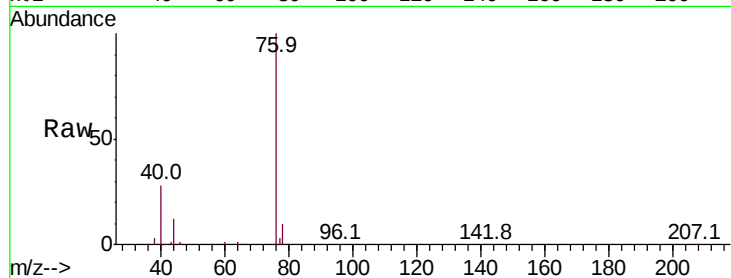
78 9.6 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 24.184 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054438.D

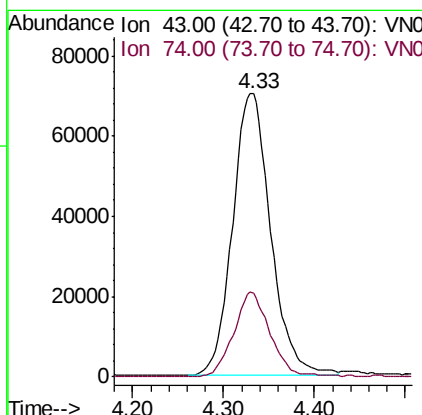
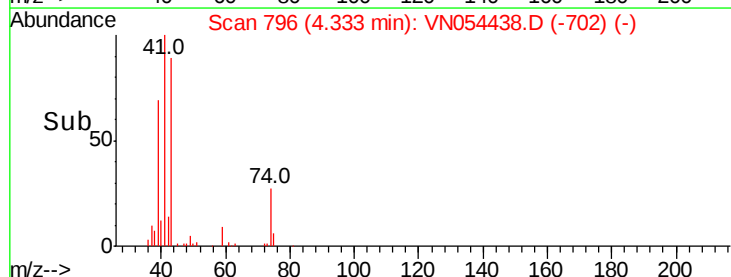
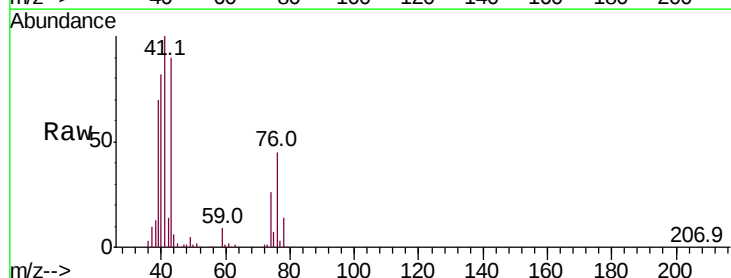
Acq: 19 Mar 2019 14:04

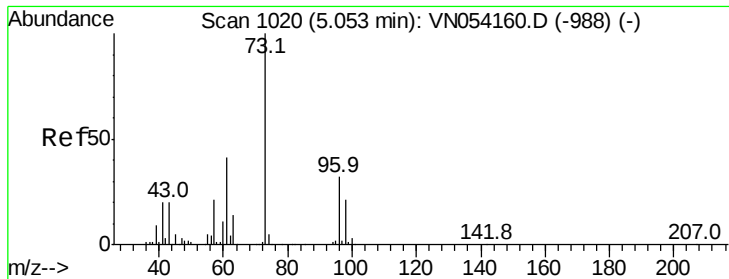
Tgt Ion: 43 Resp: 203408

Ion Ratio Lower Upper

43 100

74 28.6 20.8 31.2





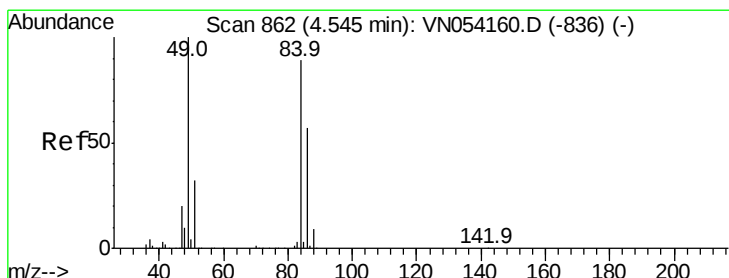
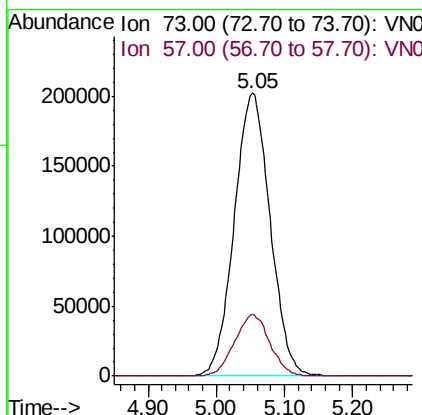
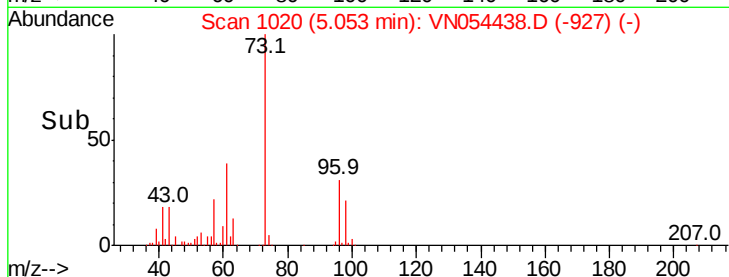
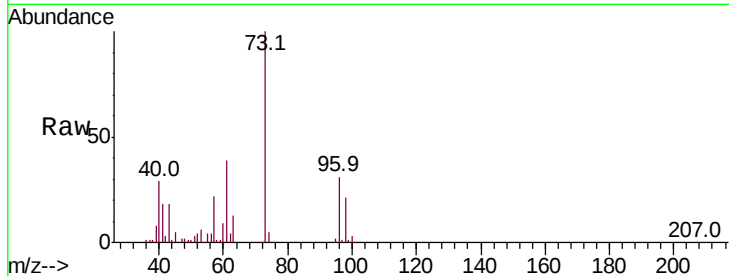
#19
Methyl tert-butyl Ether
Concen: 20.990 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion: 73 Resp: 738996
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

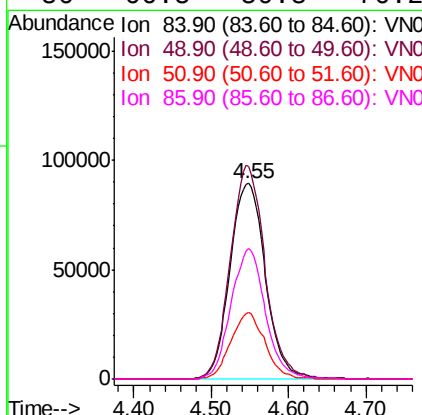
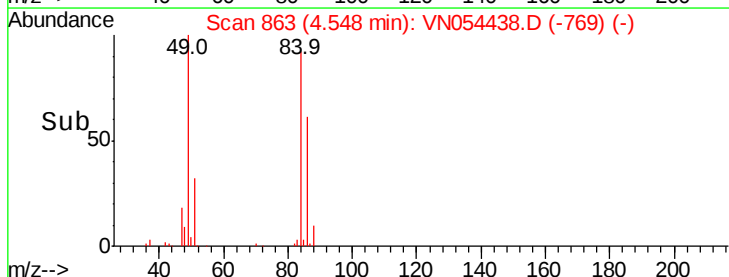
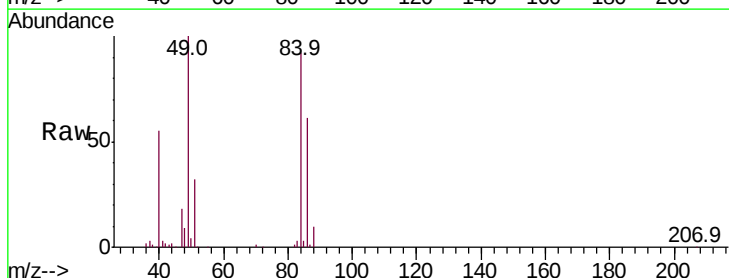
Manual Integrations
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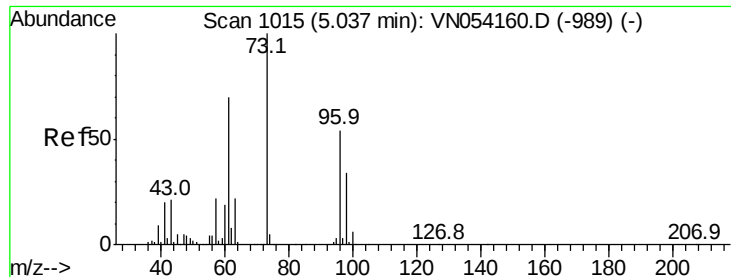
MMDadoda
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#20
Methylene Chloride
Concen: 20.860 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 84 Resp: 284759
Ion Ratio Lower Upper
84 100
49 108.7 89.7 134.5
51 34.3 28.2 42.4
86 66.5 50.8 76.2





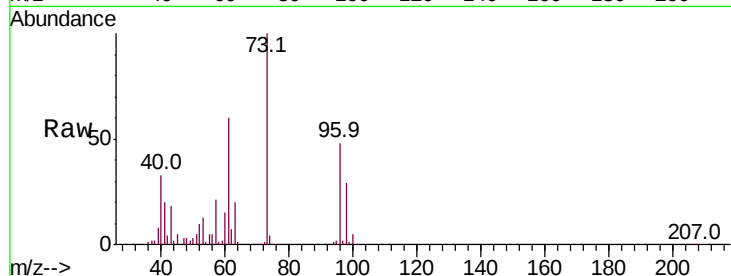
#21
trans-1,2-Dichloroethene
Concen: 19.257 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.9	102.8	154.2
98	61.7	50.0	75.0

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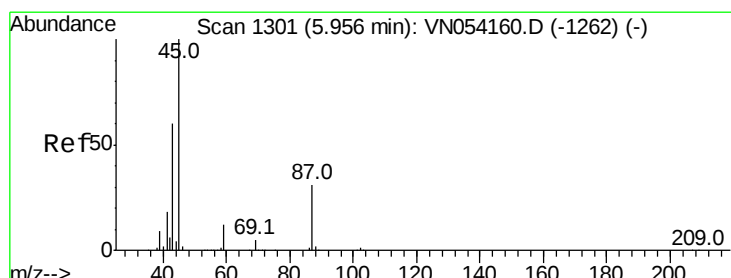
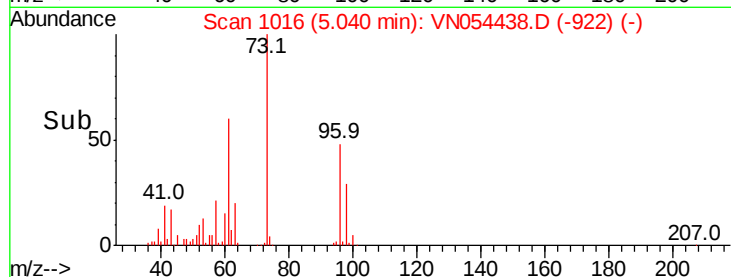
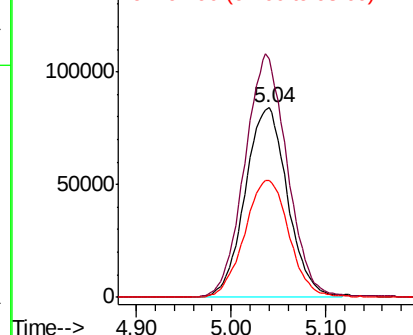


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.657 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	48.2	72.2
87	32.6	24.9	37.3
59	12.8	9.5	14.3

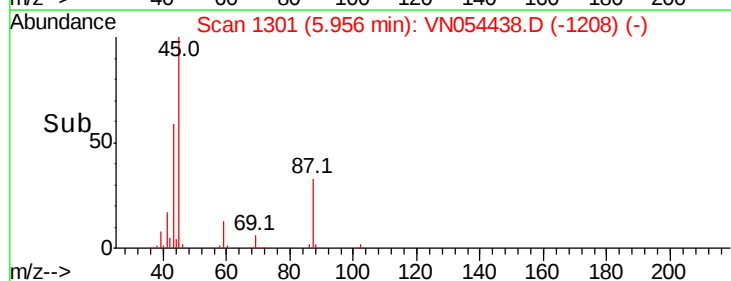
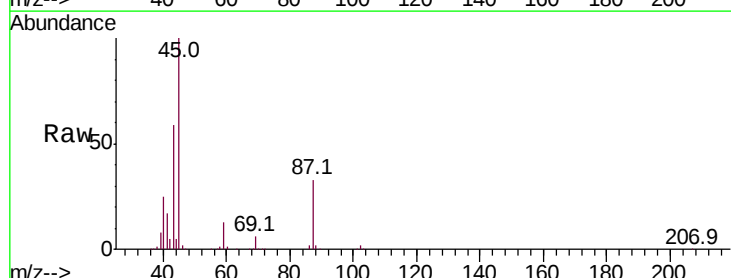
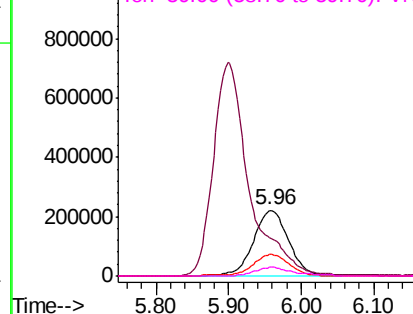
Abundance

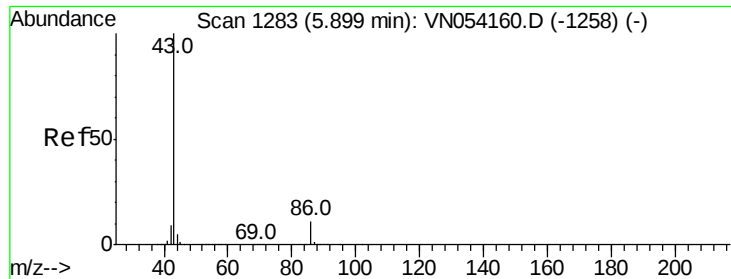
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 92.406 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 43 Resp: 2478042

Ion Ratio Lower Upper

43 100

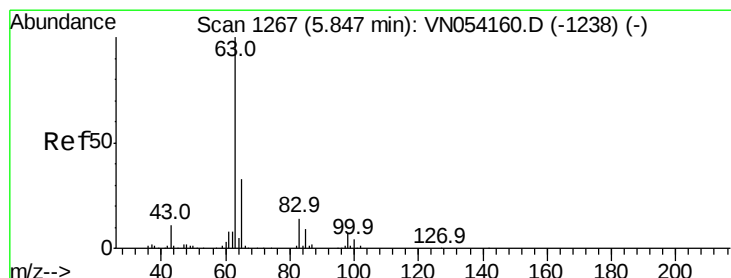
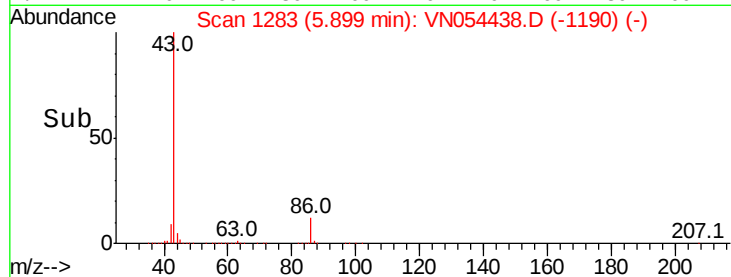
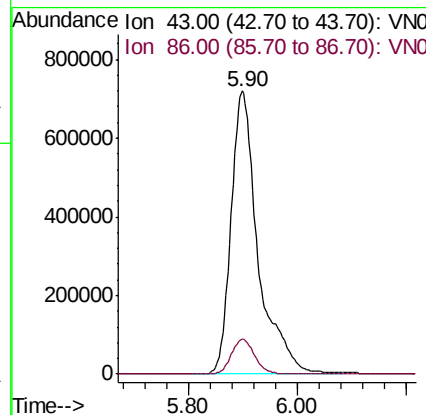
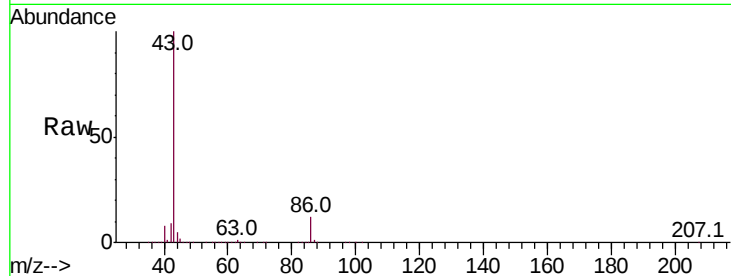
86 12.2 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 20.300 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

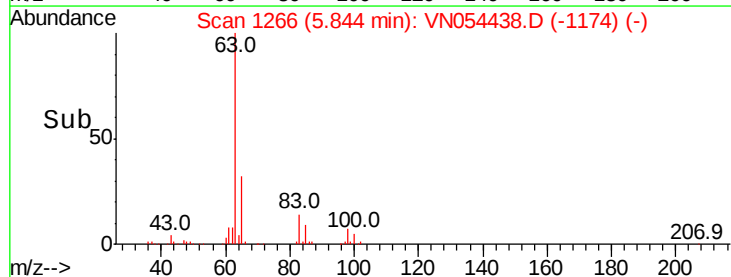
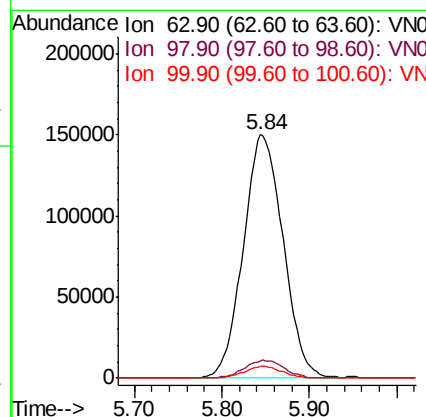
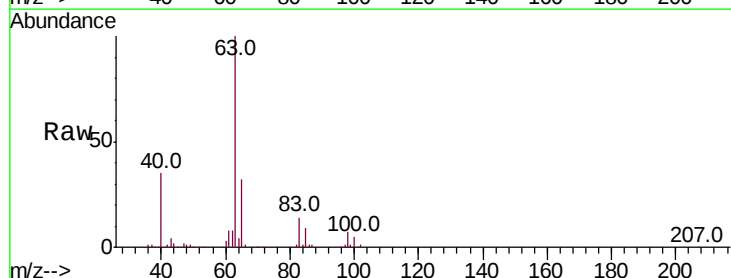
Tgt Ion: 63 Resp: 474075

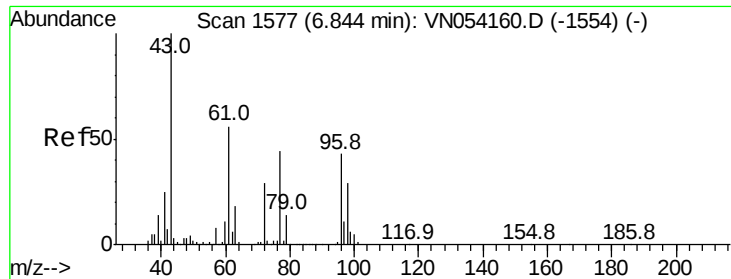
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.0 6.0





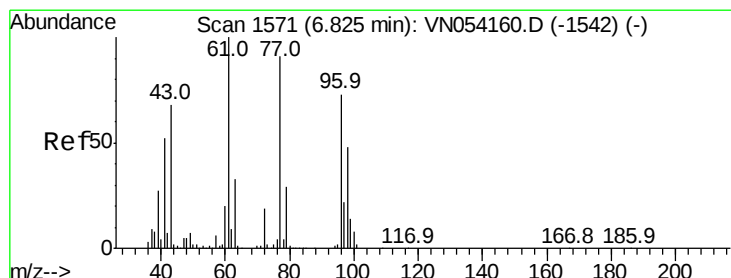
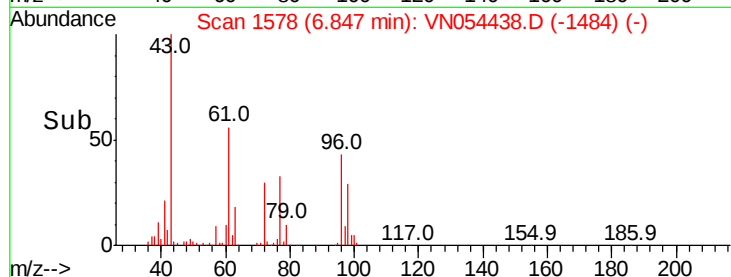
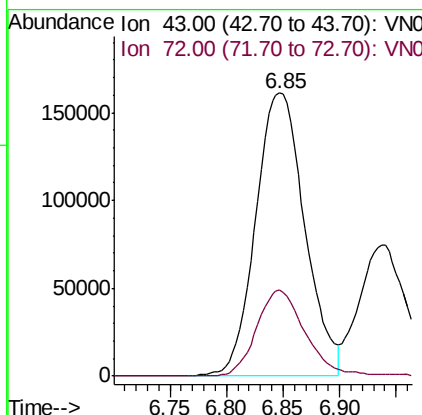
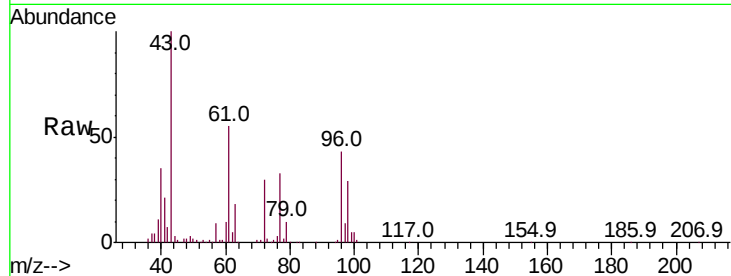
#25
2-Butanone
Concen: 98.836 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.4	23.0	34.6

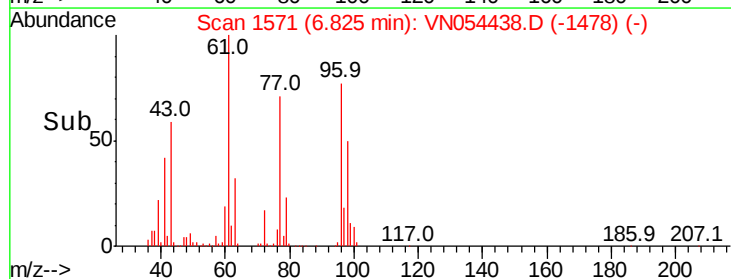
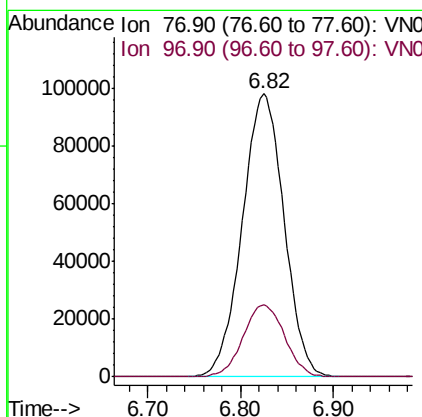
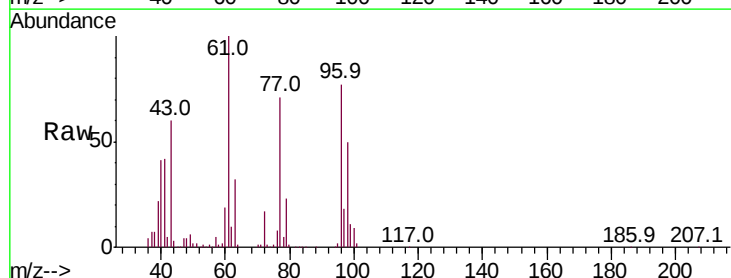
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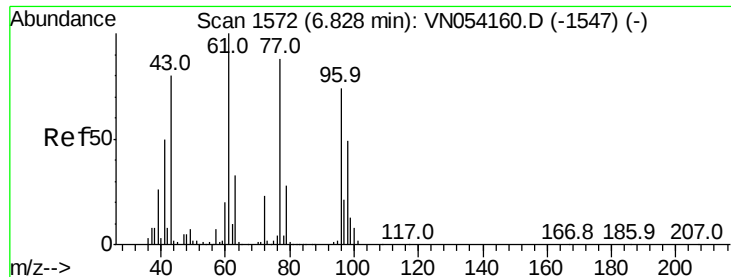
MMDadoda
3/20/2019 12:21:41 PM



#26
2,2-Dichloropropane
Concen: 14.935 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
77	100		
97	25.4	11.9	35.9





#27

cis-1,2-Dichloroethene

Concen: 20.960 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

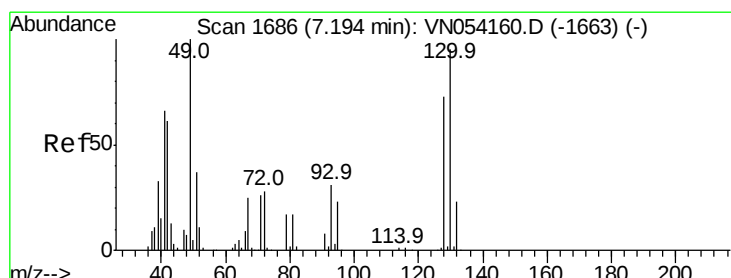
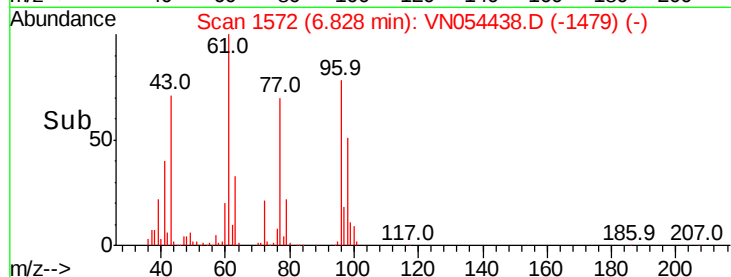
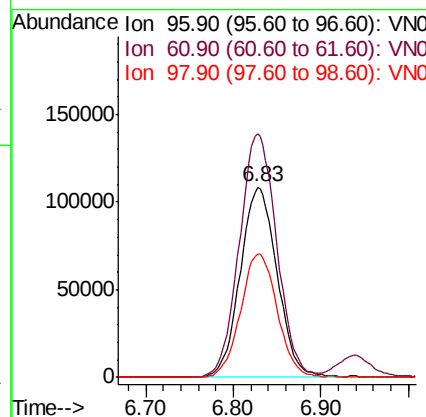
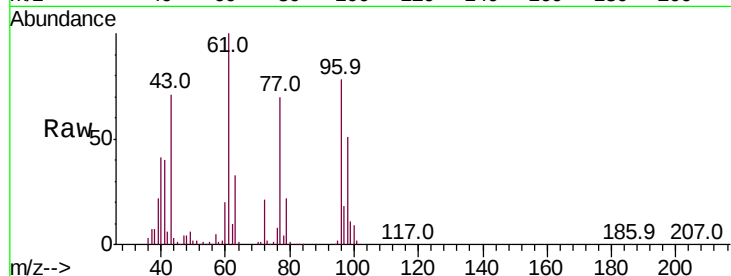
ClientSampleId :

VN0319WBS01

Tot Ion	96	Resp	318225
Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	273.0
98	64.3	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 19.644 ug/l

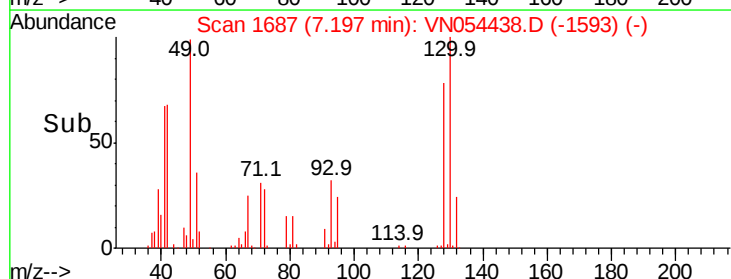
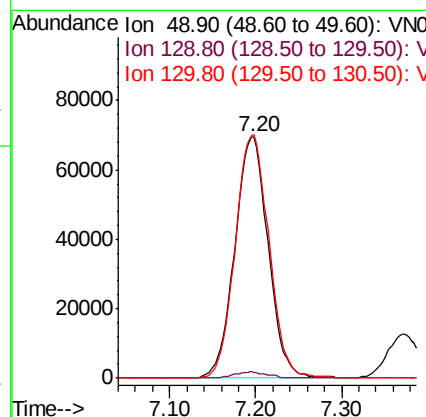
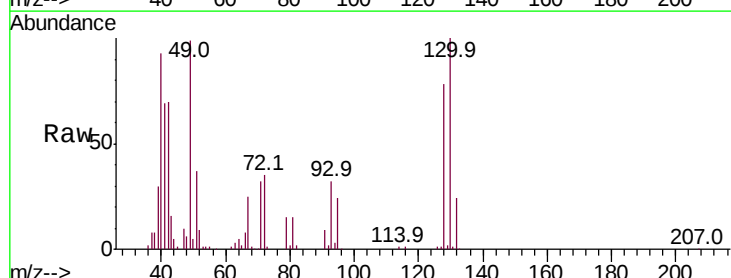
RT: 7.20 min Scan# 1687

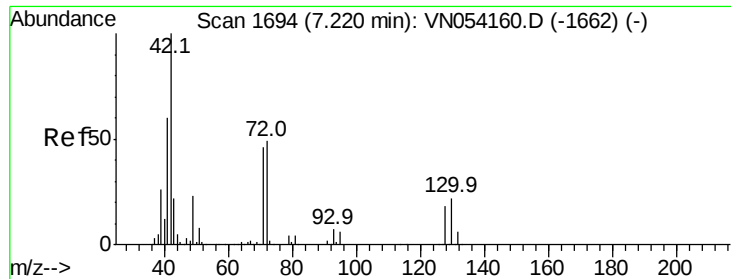
Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion	49	Resp	187541
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	101.6	76.7	115.1





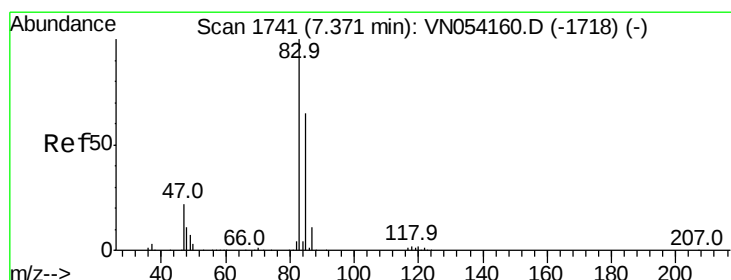
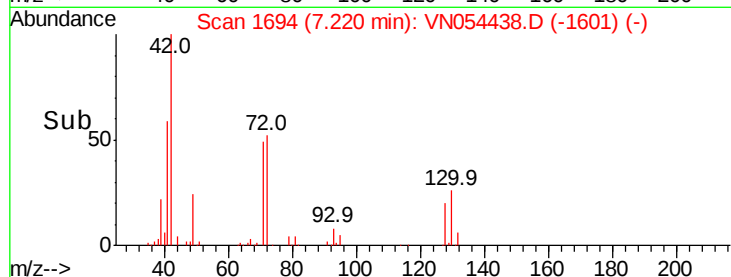
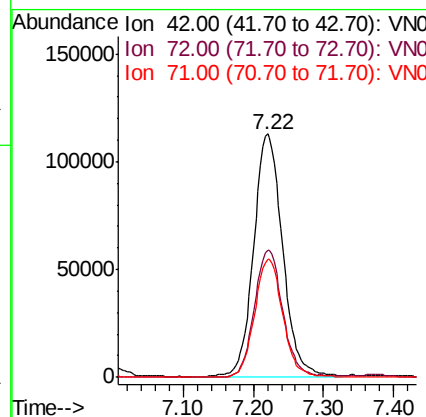
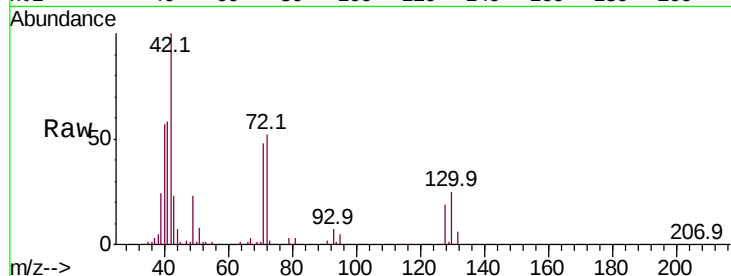
#29
Tetrahydrofuran
Concen: 102.539 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	37.8	56.6
71	47.5	36.2	54.2

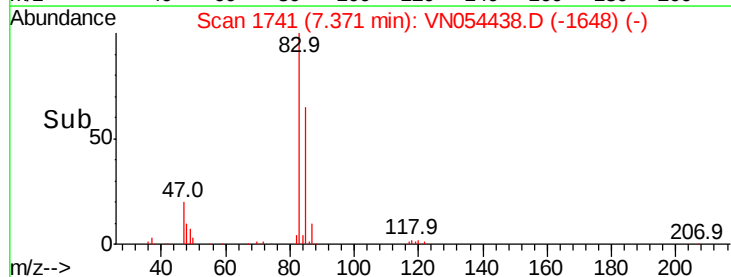
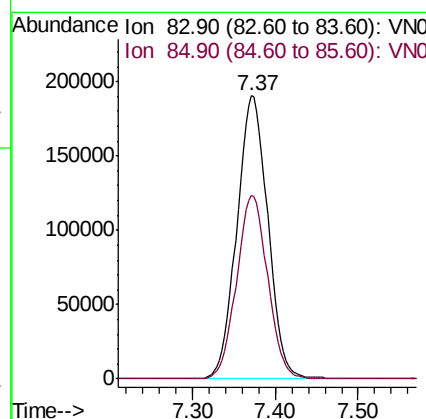
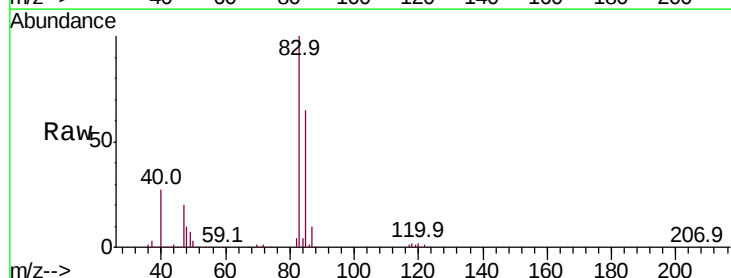
Manual Integrations
APPROVED

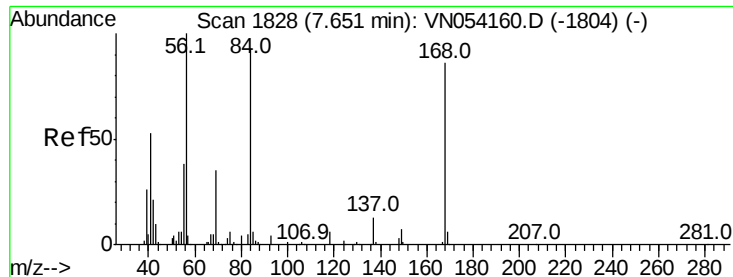
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#30
Chloroform
Concen: 20.360 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





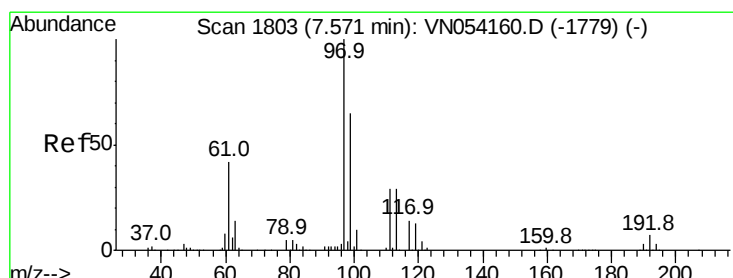
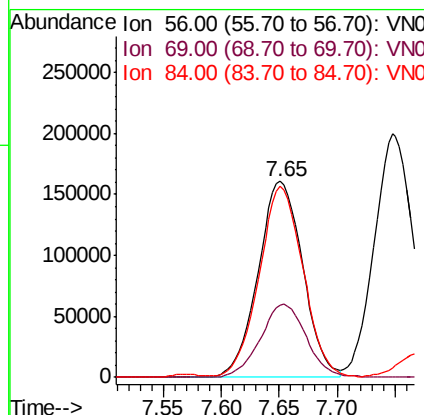
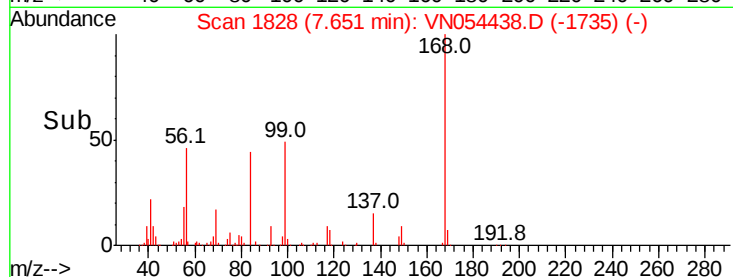
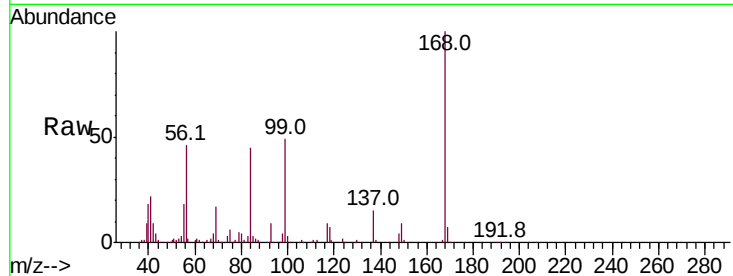
#31
Cyclohexane
Concen: 18.969 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	27.8	41.6
84	96.1	74.6	111.8

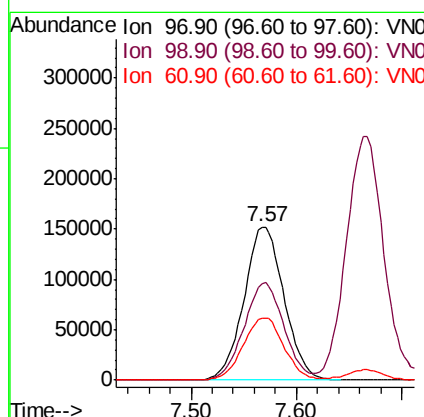
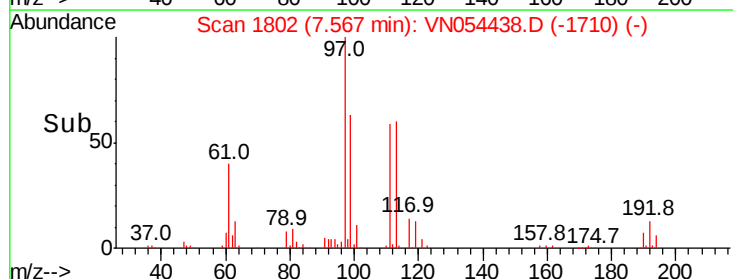
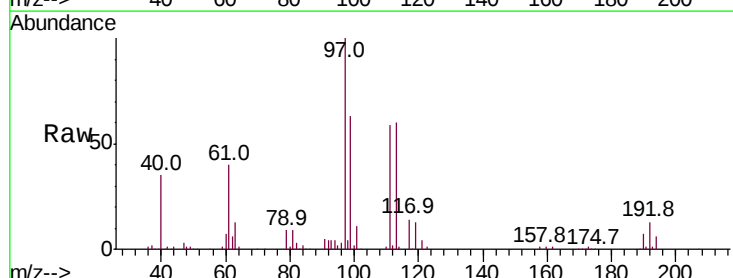
Manual Integrations
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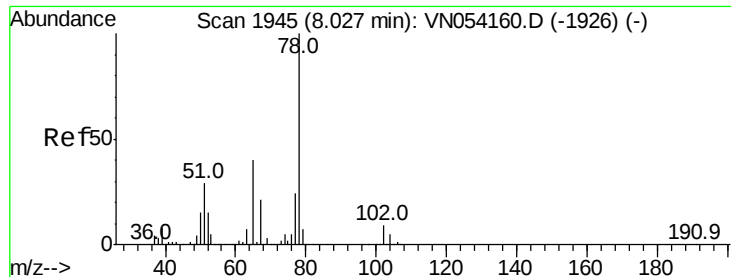
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#32
1,1,1-Trichloroethane
Concen: 18.223 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.5	77.3
61	41.3	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 44.063 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 65 Resp: 639775

Ion Ratio Lower Upper

65 100

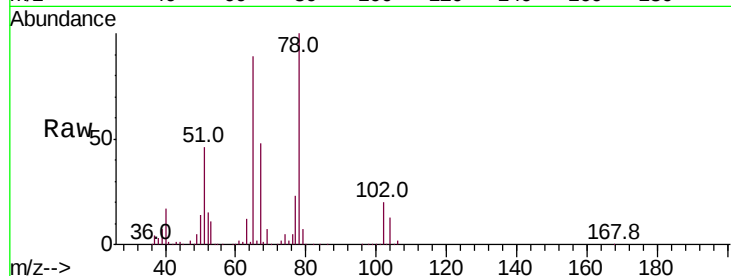
67 55.1 0.0 104.6

Manual Integrations

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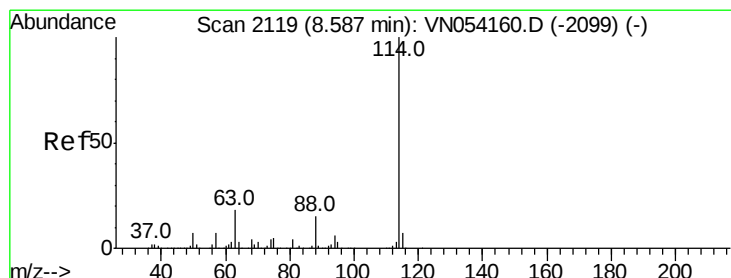
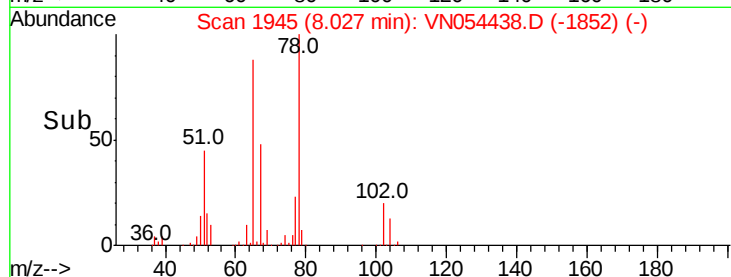
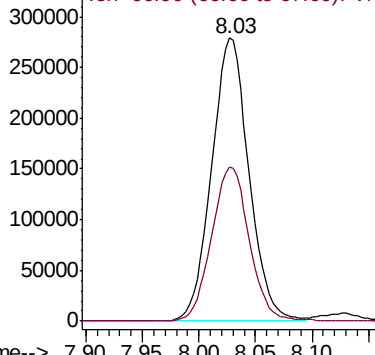
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

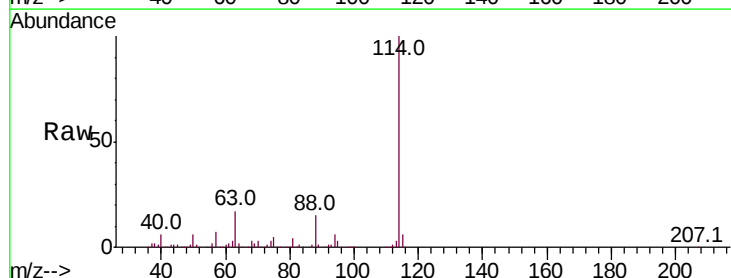
Tgt Ion: 114 Resp: 2082192

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.2

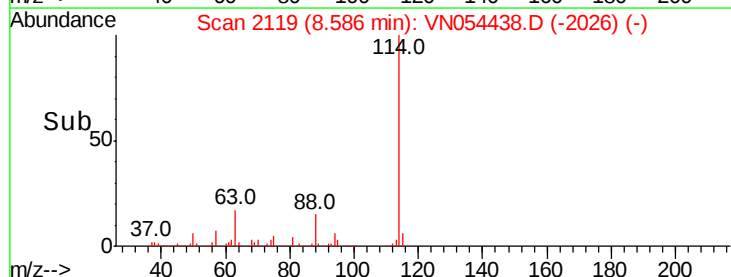
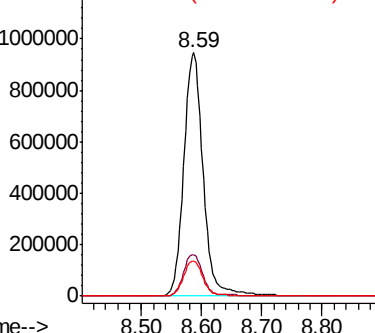
88 14.6 0.0 30.2

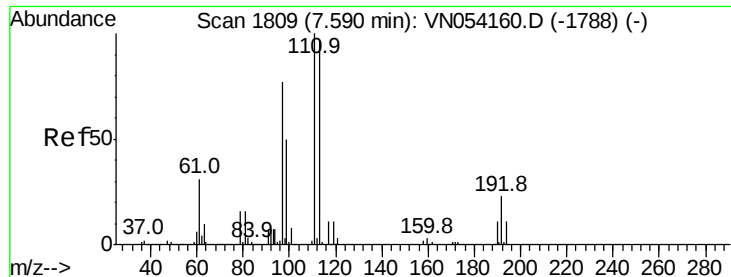


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 48.023 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

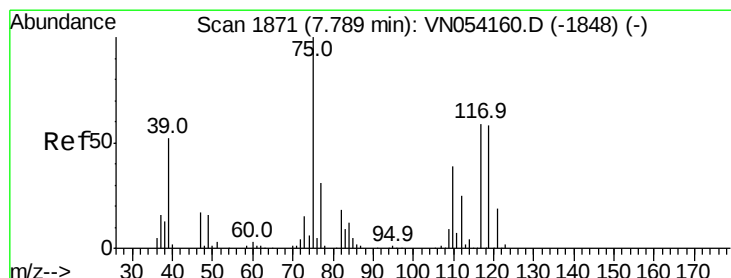
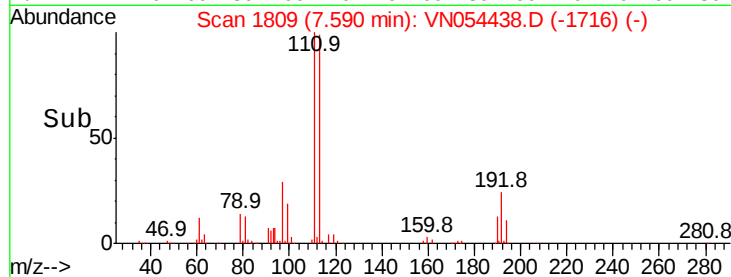
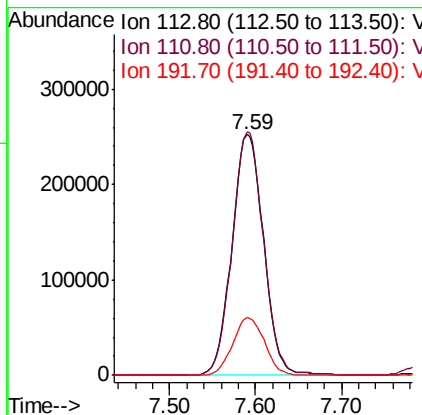
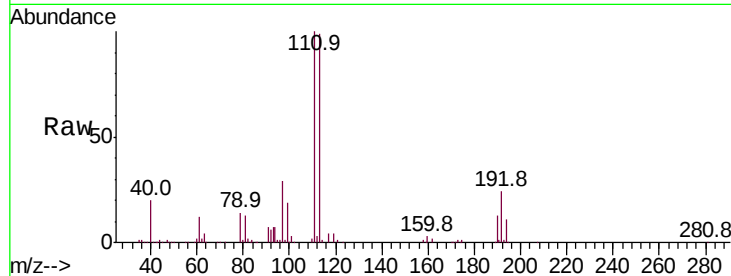
ClientSampleId :

VN0319WBS01

Tot Ion:	113	Resp:	644918
Ion Ratio	Lower	Upper	
113	100		
111	99.4	82.2	123.4
192	24.1	19.2	28.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.900 ug/l

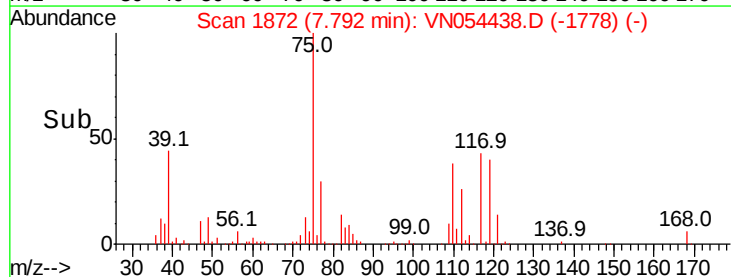
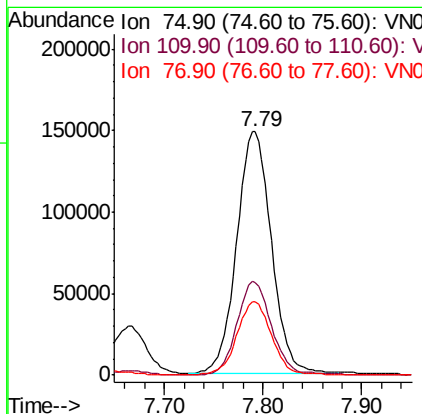
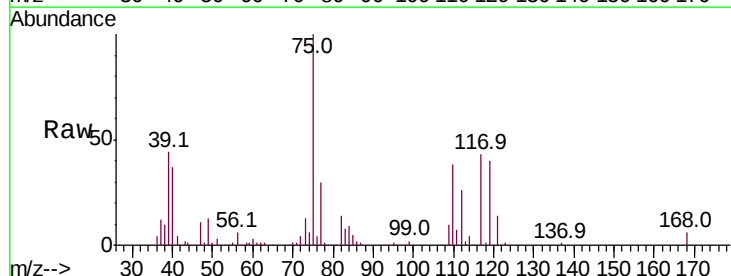
RT: 7.79 min Scan# 1872

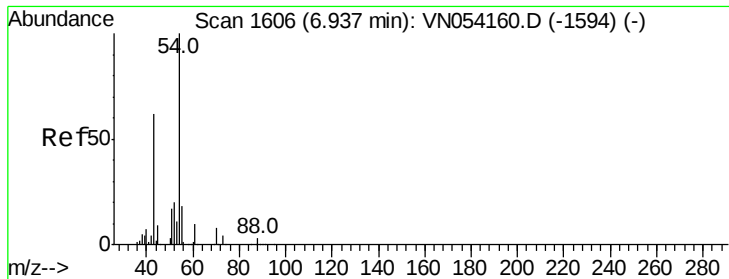
Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	75	Resp:	362404
Ion Ratio	Lower	Upper	
75	100		
110	38.3	19.1	57.5
77	30.6	25.0	37.4





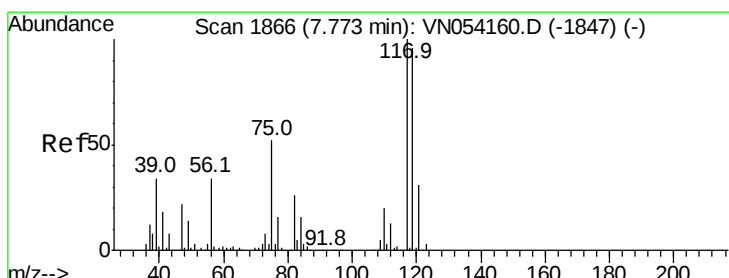
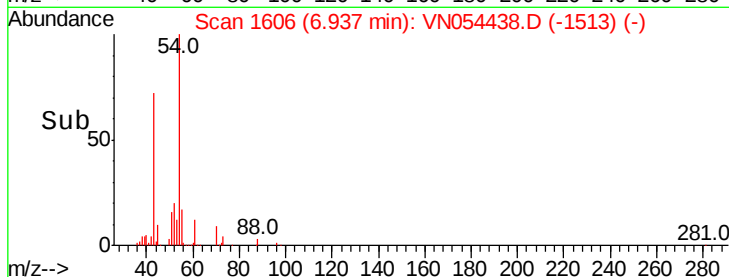
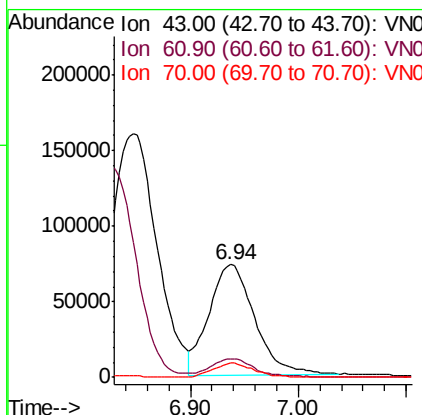
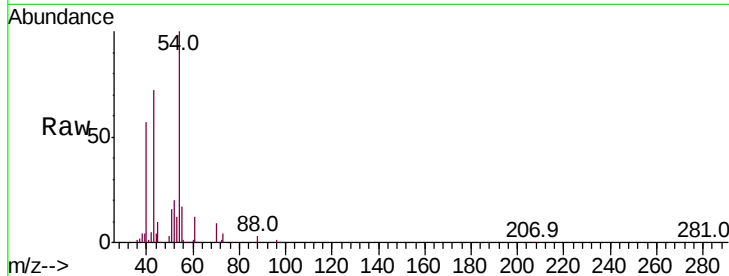
#37
Ethyl Acetate
Concen: 19.646 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.6
70	11.8	8.4	12.6

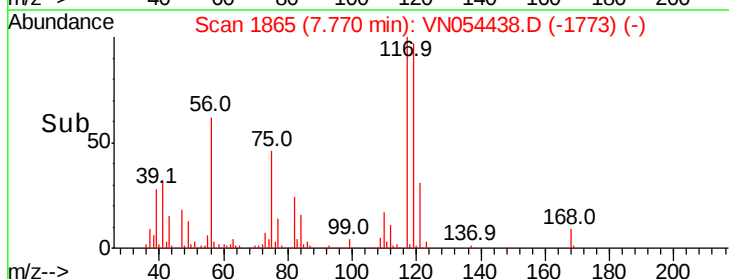
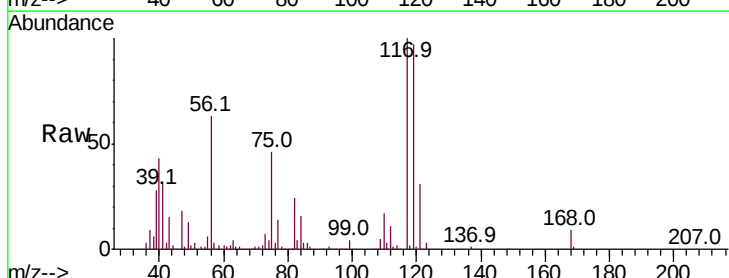
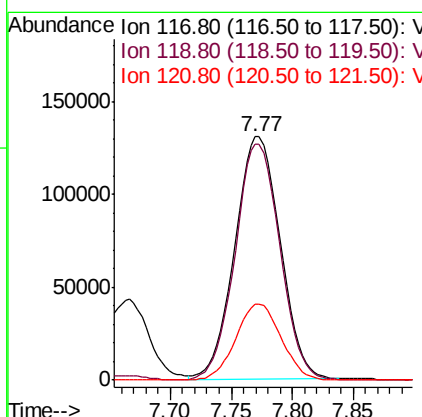
Manual Integrations
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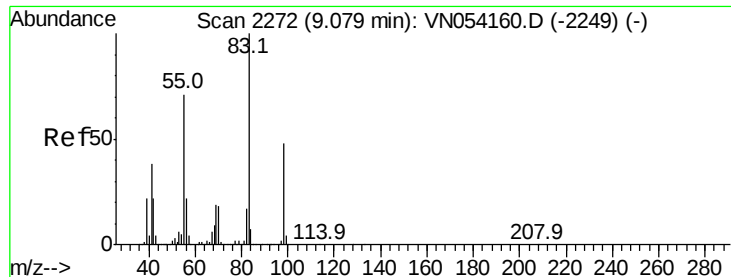
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#38
Carbon Tetrachloride
Concen: 16.736 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.3	114.5
121	31.2	24.6	36.8





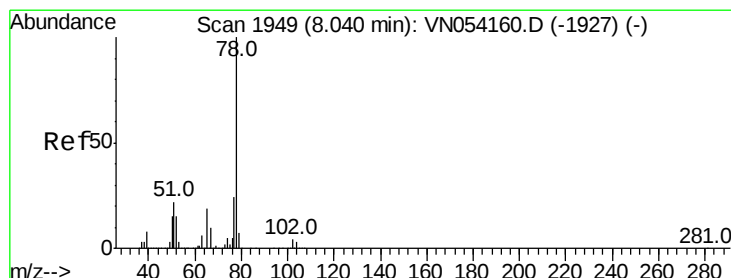
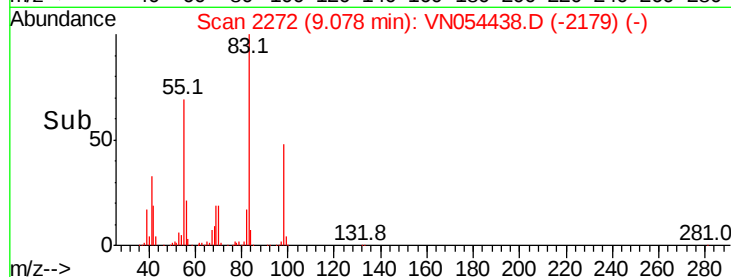
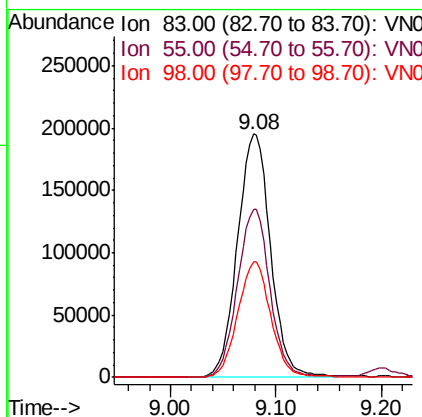
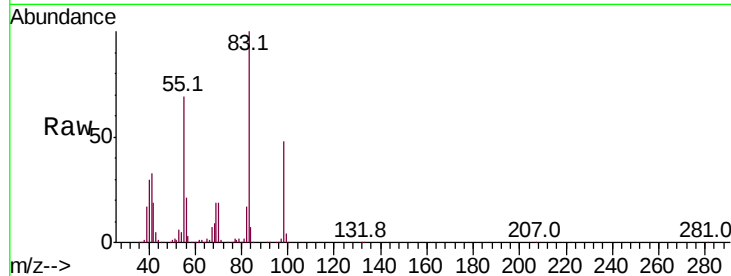
#39
Methvlcvclohexane
Concen: 18.059 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	83	Resp	426071
Ion Ratio	100	Lower	Upper
83	100		
55	68.8	56.6	84.8
98	47.5	38.4	57.6

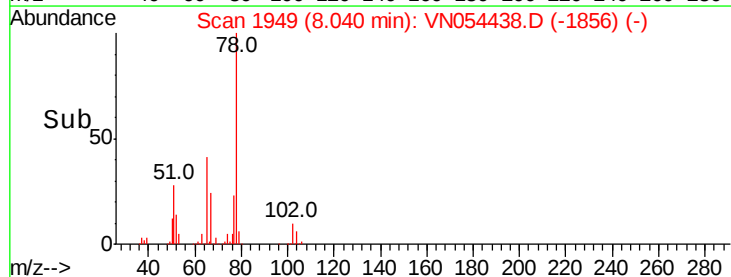
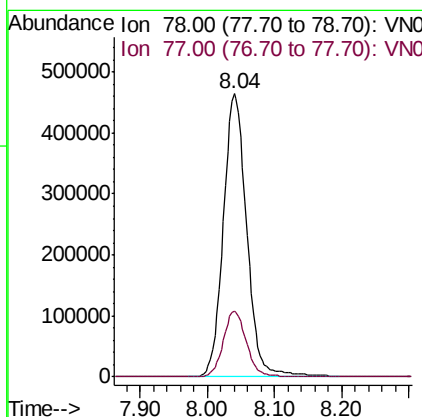
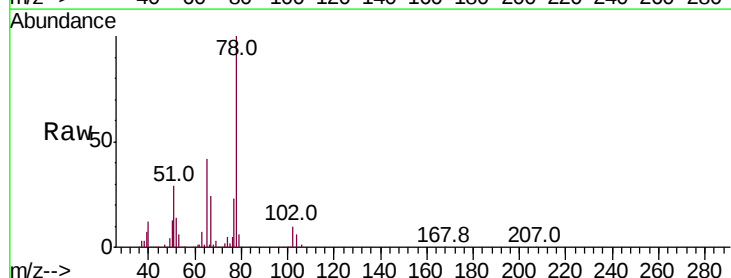
Manual Integrations
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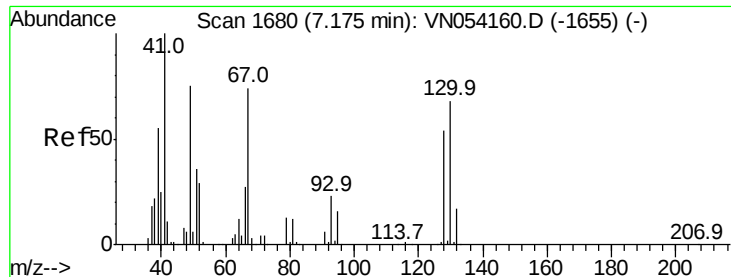
MMDadoda
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#40
Benzene
Concen: 20.576 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	78	Resp	1129016
Ion Ratio	100	Lower	Upper
78	100		
77	23.0	19.1	28.7





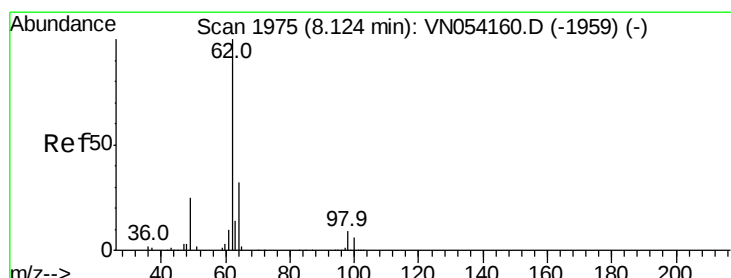
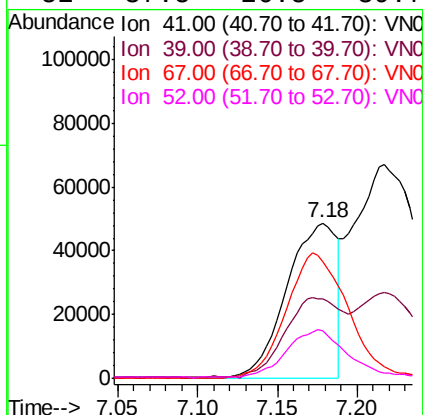
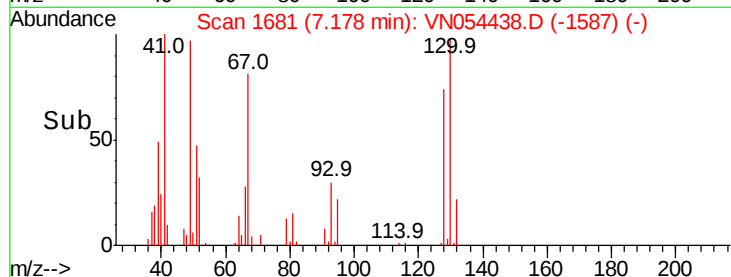
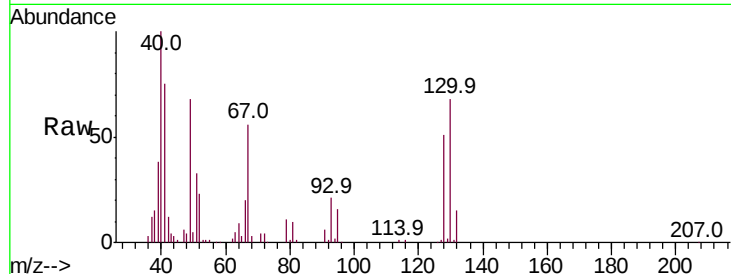
#41
Methacrylonitrile
Concen: 16.810 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0319WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.5	46.8	70.2	
67	100.4	67.0	100.4	
52	37.5	26.5	39.7	

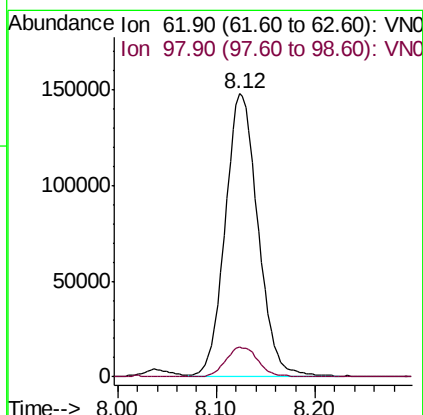
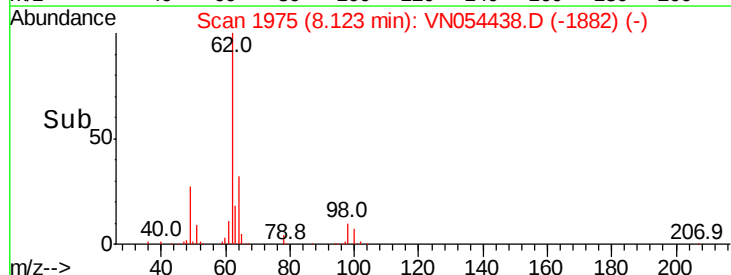
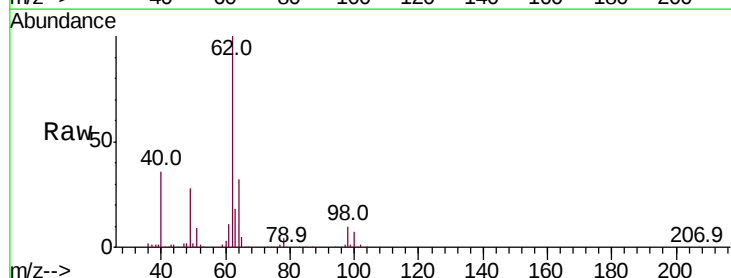
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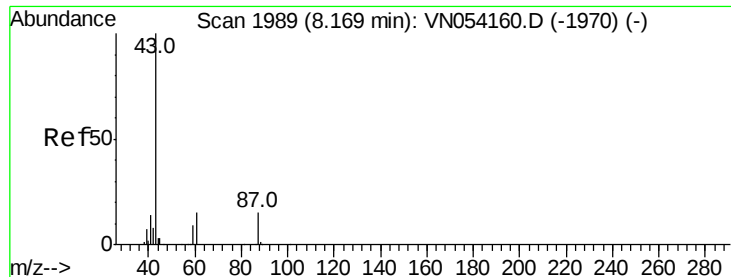
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.442 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	18.4	





#43

Isopropyl Acetate

Concen: 17.827 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

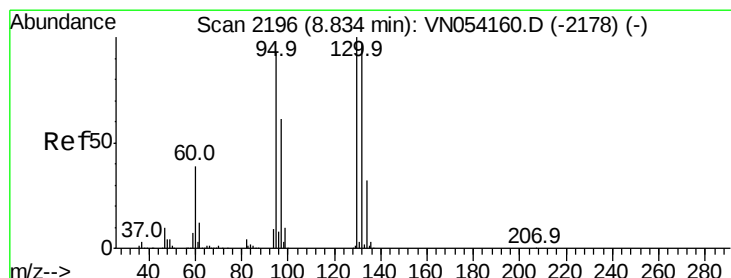
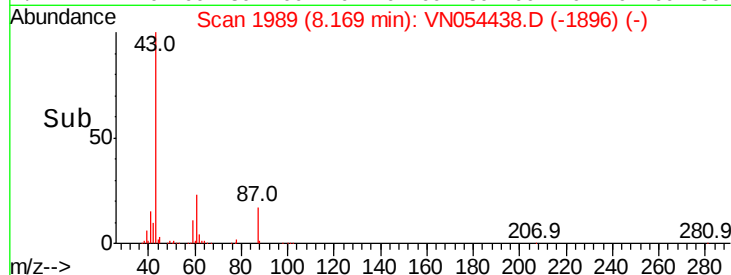
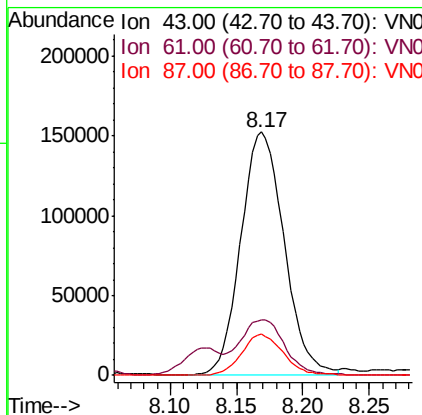
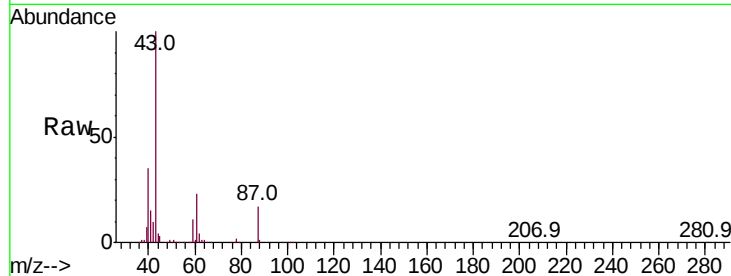
ClientSampleId :

VN0319WBS01

Tot Ion:	43	Resp:	344771
Ion	Ratio	Lower	Upper
43	100		
61	23.0	15.8	23.8
87	16.3	12.0	18.0

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#44

Trichloroethene

Concen: 19.735 ug/l

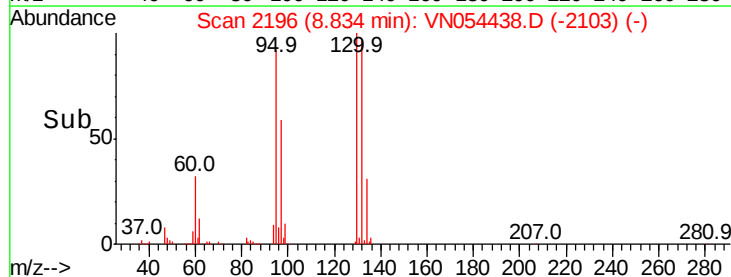
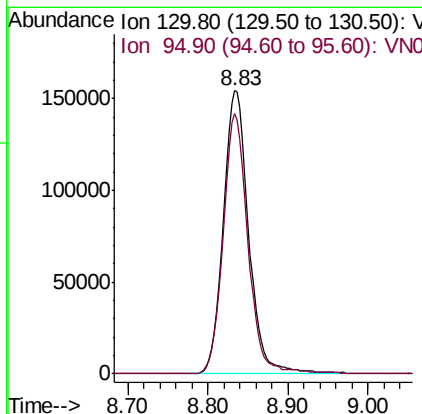
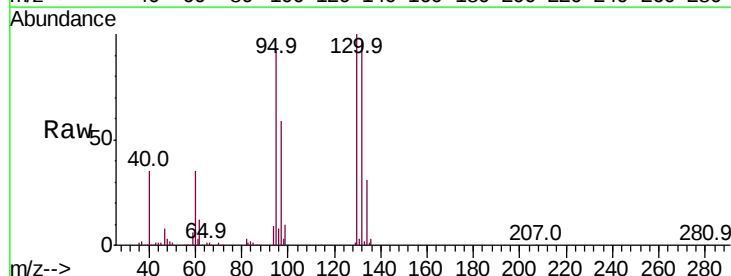
RT: 8.83 min Scan# 2196

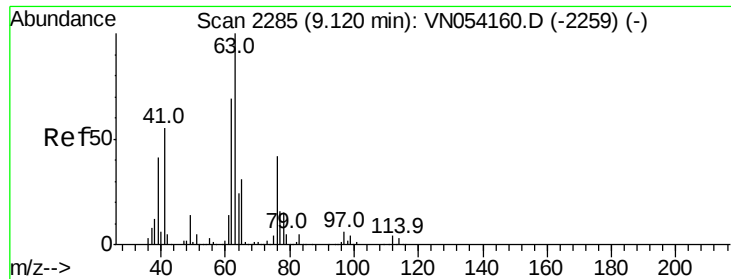
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	130	Resp:	336407
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	185.2





#45

1,2-Dichloropropane

Concen: 20.973 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 63 Resp: 285754

Ion Ratio Lower Upper

63 100

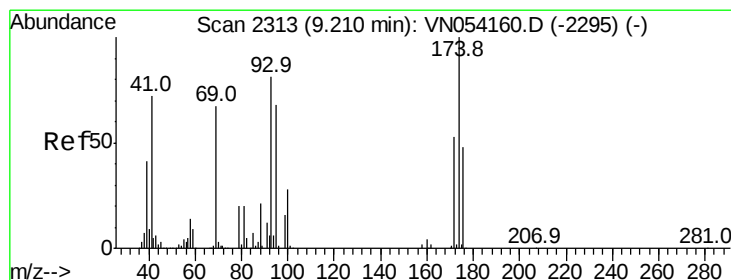
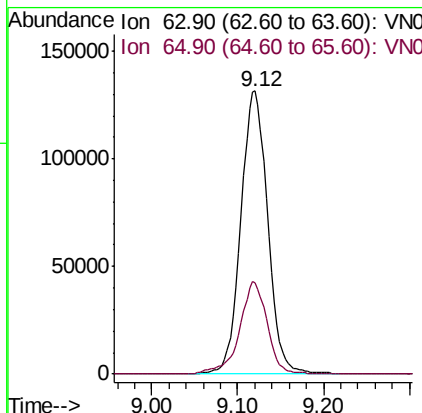
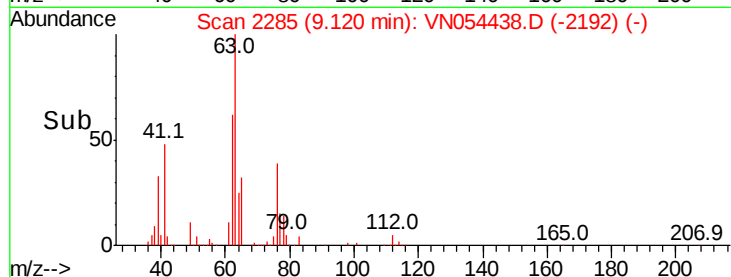
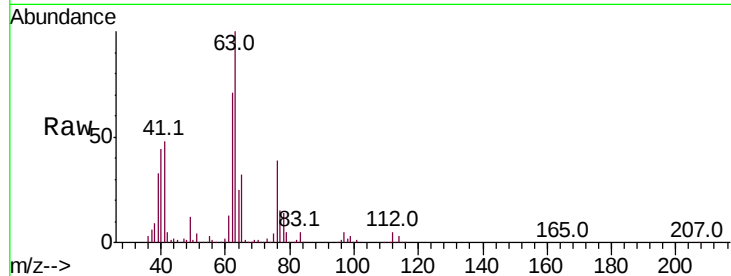
65 32.2 25.0 37.6

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#46

Dibromomethane

Concen: 19.527 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

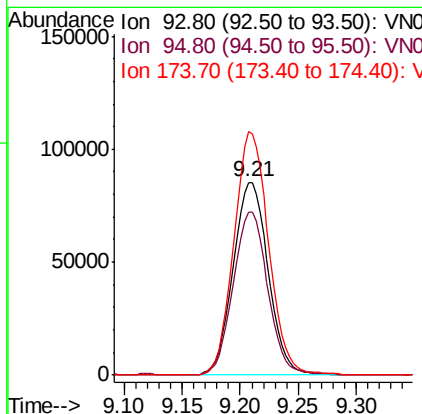
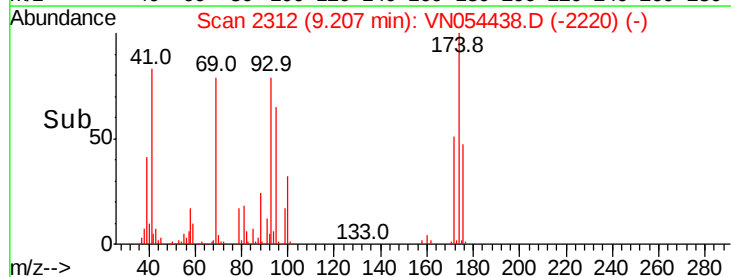
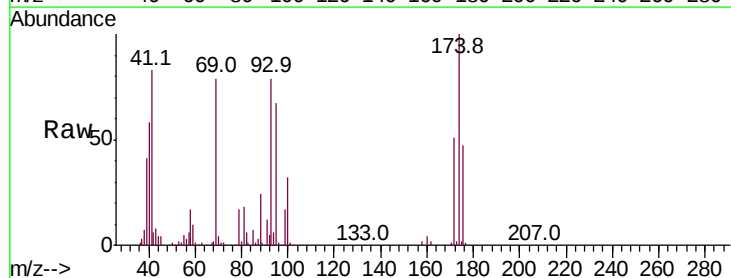
Tgt Ion: 93 Resp: 179764

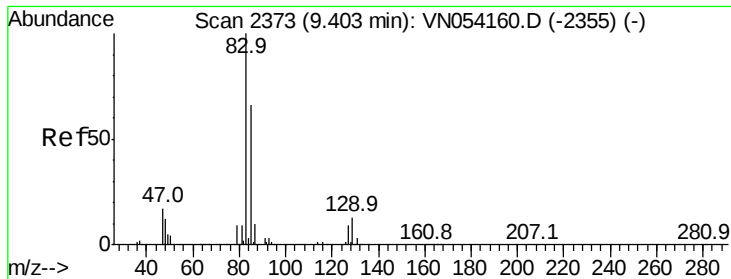
Ion Ratio Lower Upper

93 100

95 83.3 66.7 100.1

174 124.6 98.5 147.7





#47

Bromodichloromethane

Concen: 18.051 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

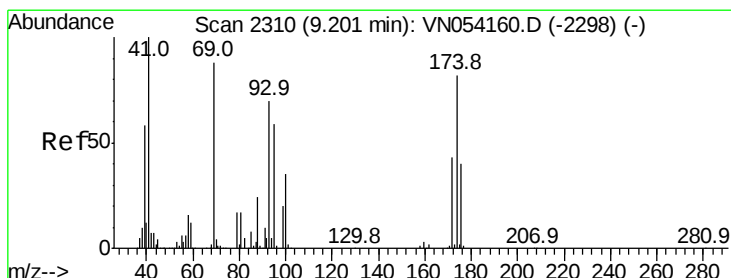
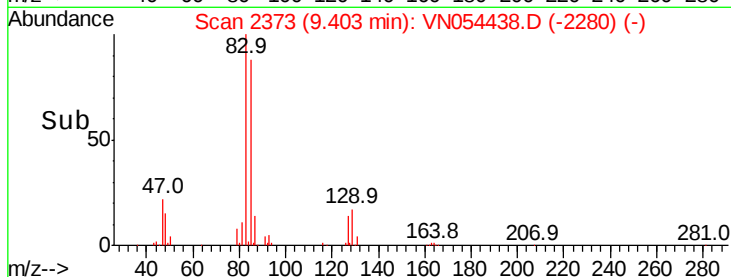
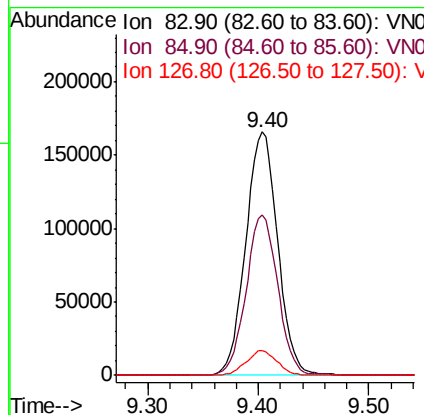
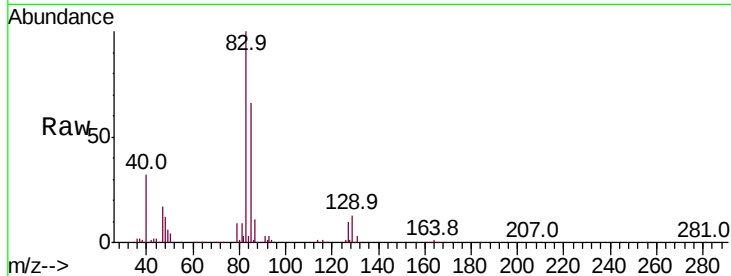
ClientSampleId :

VN0319WBS01

Tot Ion:	83	Resp:	333149
Ion Ratio	Lower	Upper	
83	100		
85	66.0	52.8	79.2
127	10.3	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.218 ug/l

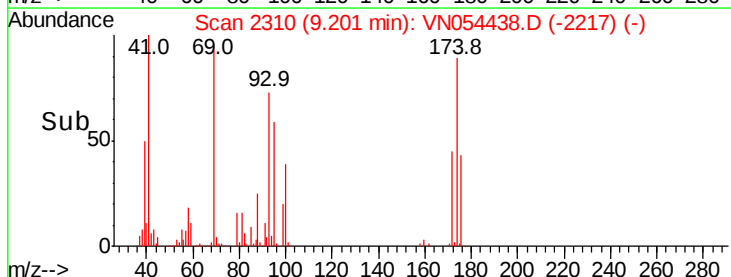
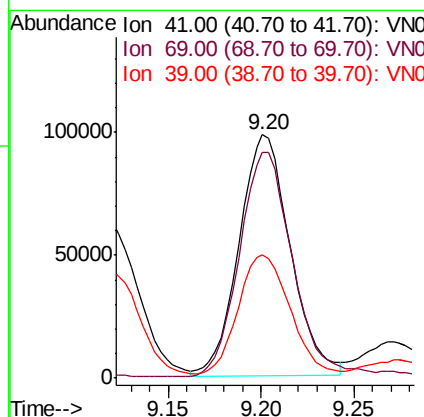
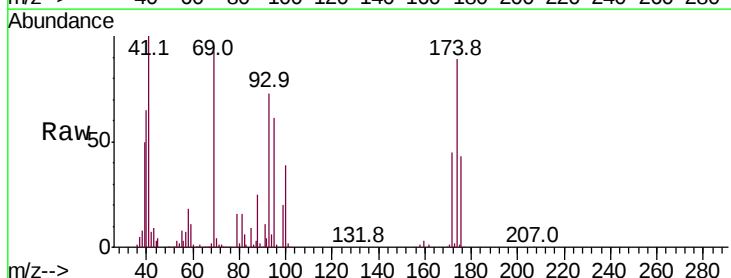
RT: 9.20 min Scan# 2310

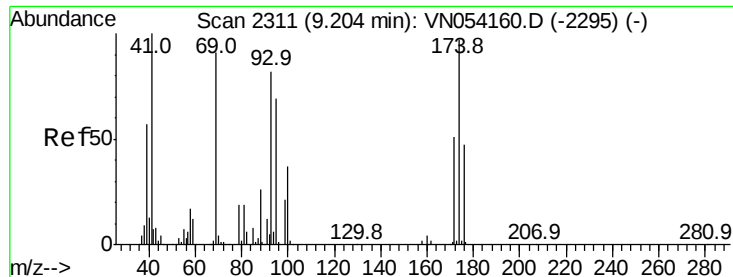
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	41	Resp:	188618
Ion Ratio	Lower	Upper	
41	100		
69	96.7	72.6	108.8
39	52.3	47.5	71.3





#49

1,4-Dioxane

Concen: 416.205 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

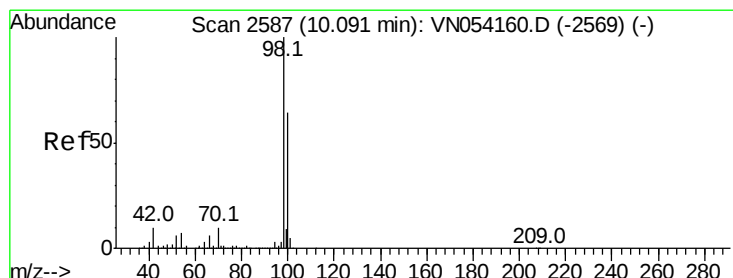
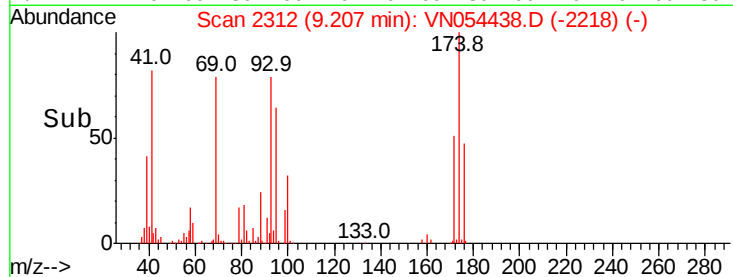
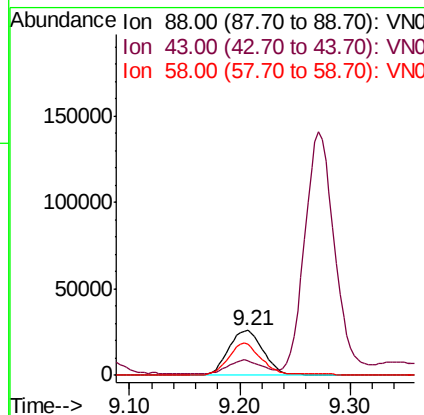
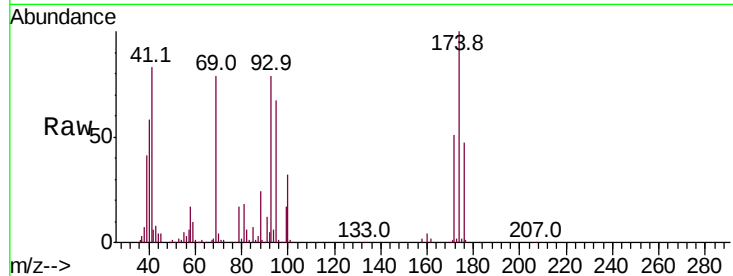
ClientSampleId :

VN0319WBS01

Tot Ion:	88	Resp:	57779
Ion	Ratio	Lower	Upper
88	100		
43	29.4	24.1	36.1
58	66.3	50.8	76.2

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#50

Toluene-d8

Concen: 46.958 ug/l

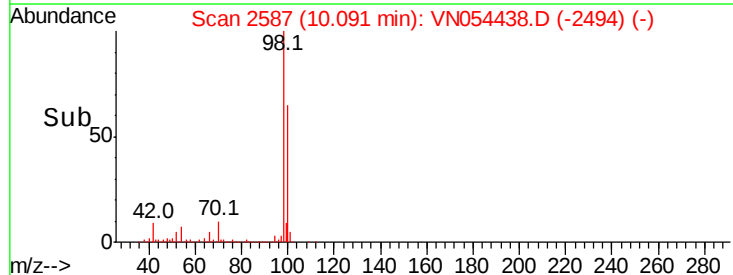
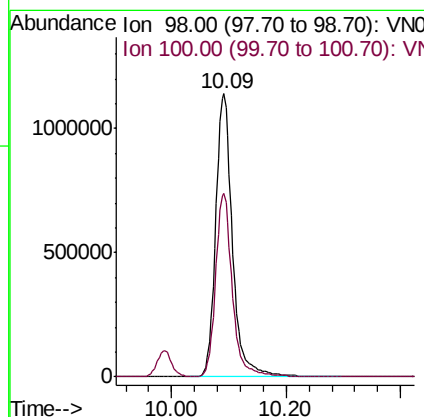
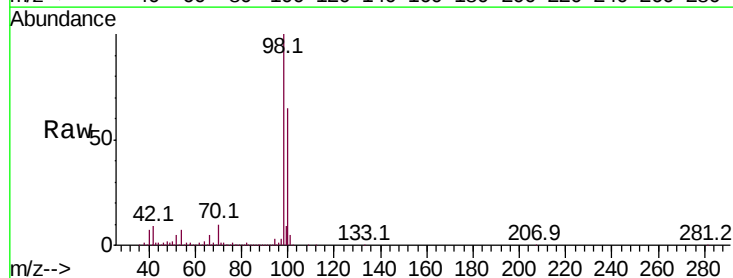
RT: 10.09 min Scan# 2587

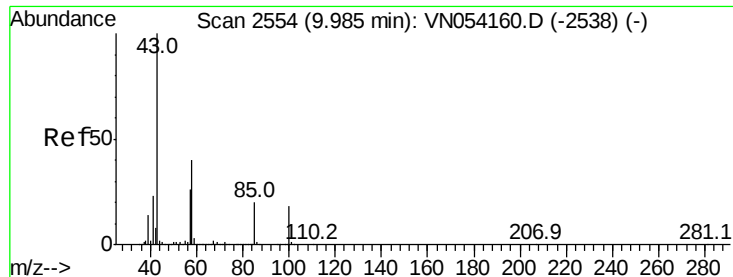
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	98	Resp:	2328965
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 100.210 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 43 Resp: 1025602

Ion Ratio Lower Upper

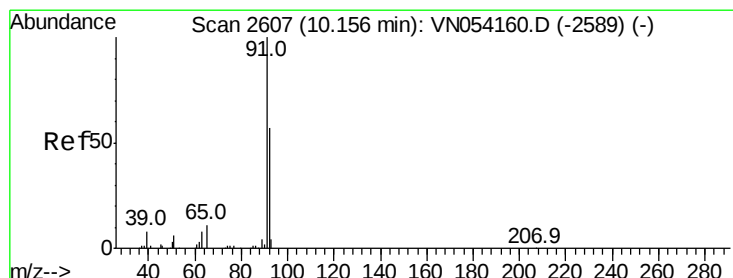
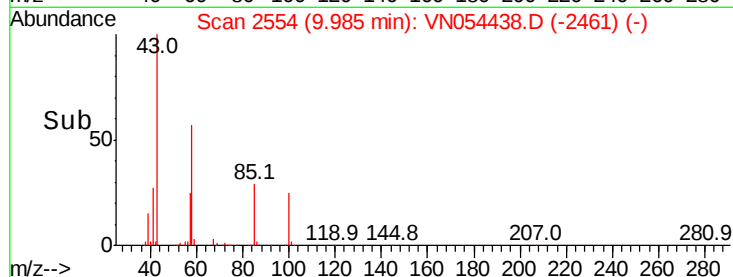
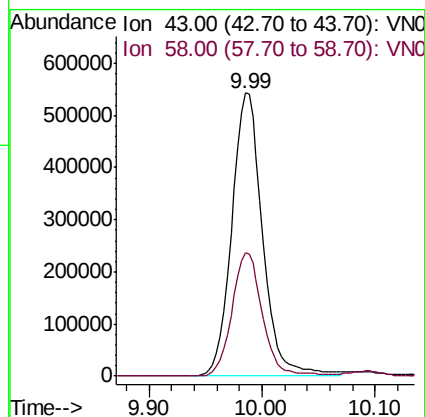
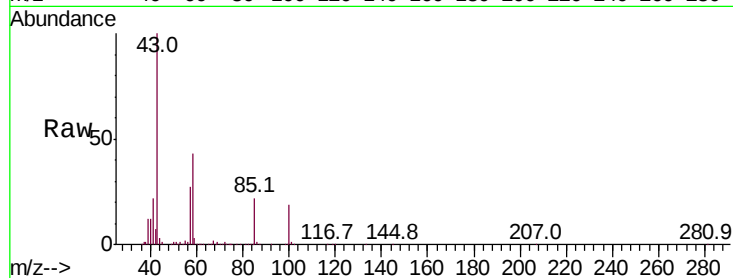
43 100

58 43.4 31.8 47.6

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#52

Toluene

Concen: 20.393 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054438.D

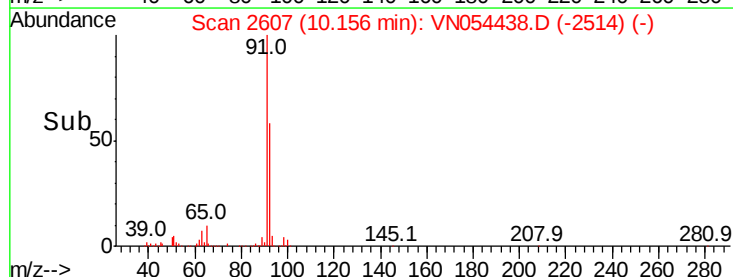
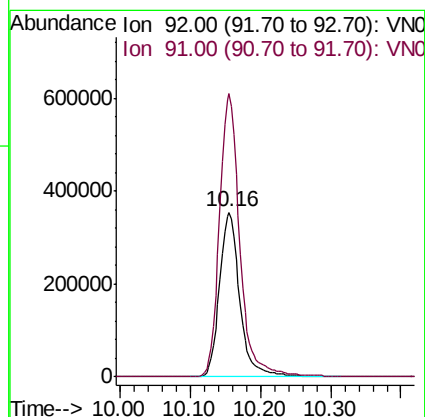
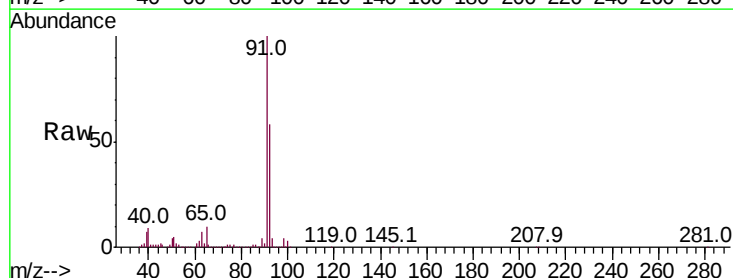
Acq: 19 Mar 2019 14:04

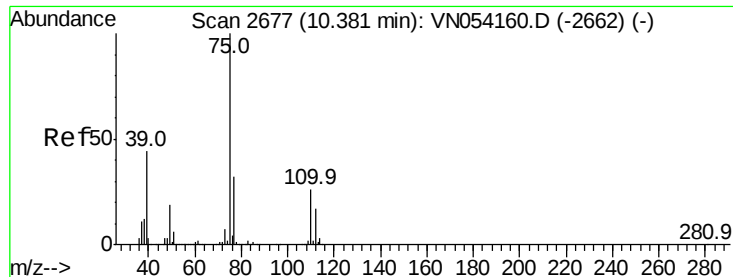
Tgt Ion: 92 Resp: 709528

Ion Ratio Lower Upper

92 100

91 172.2 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 15.369 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054438.D

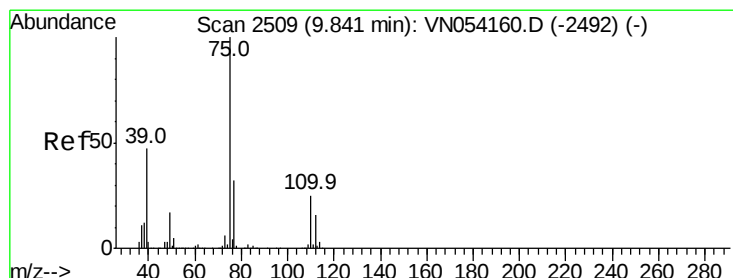
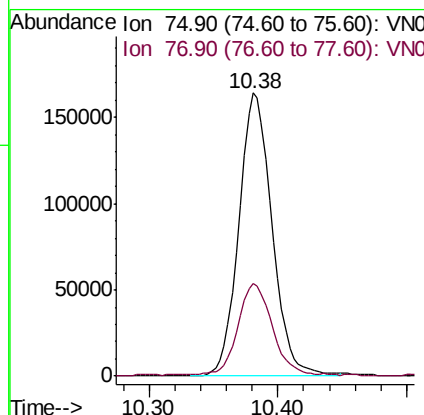
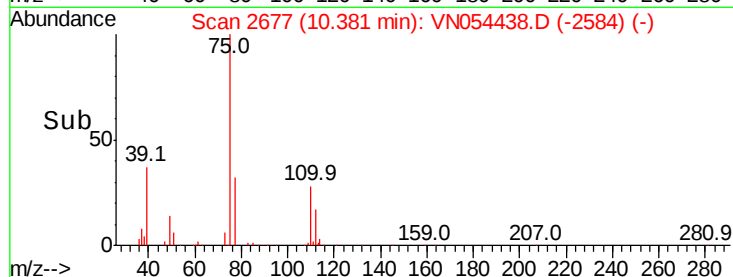
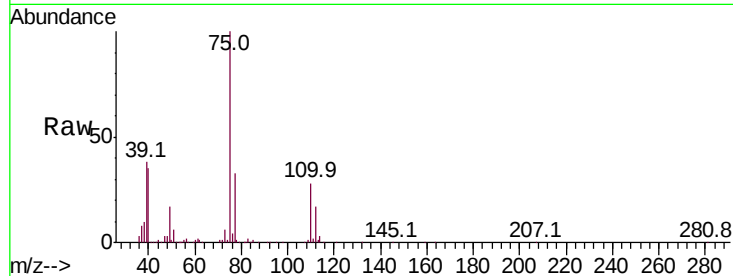
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.8	38.8

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#54

cis-1,3-Dichloropropene

Concen: 18.203 ug/l

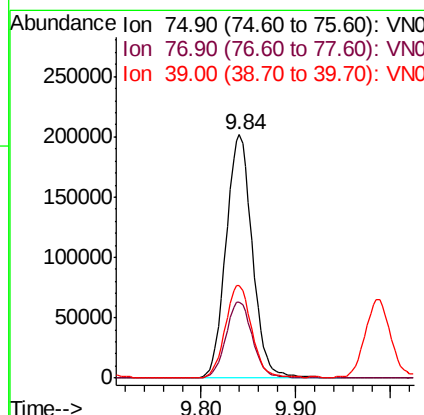
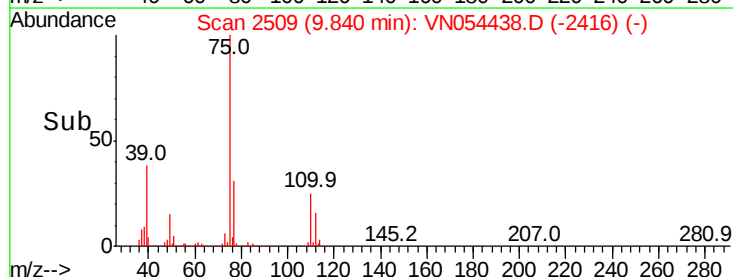
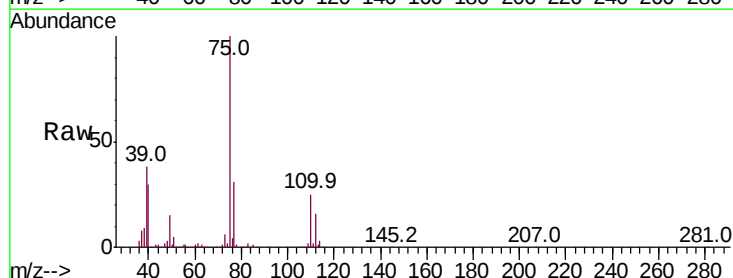
RT: 9.84 min Scan# 2509

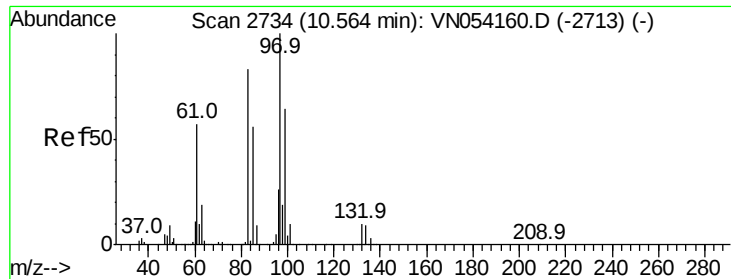
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	37.9	37.2	55.8





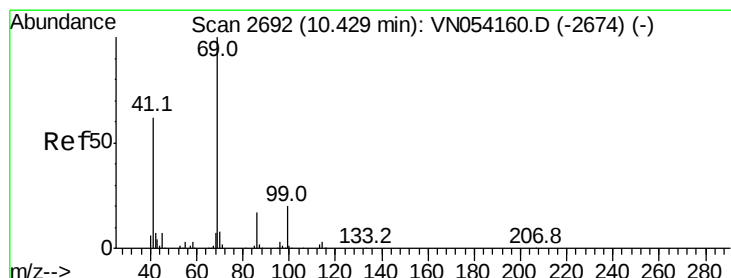
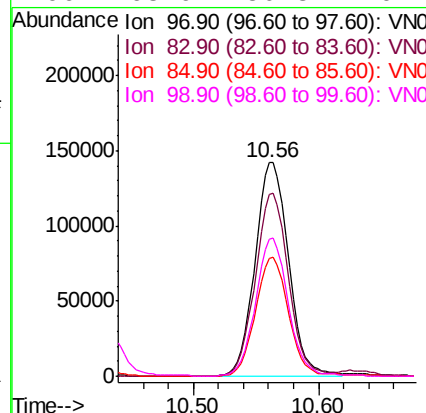
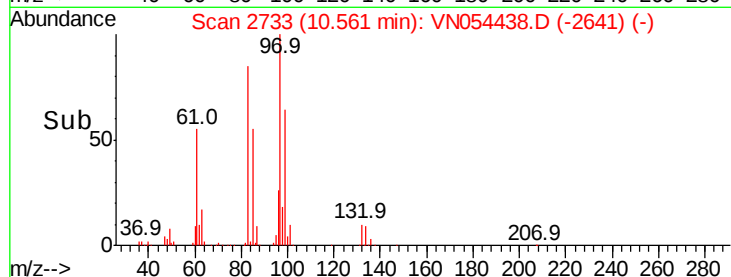
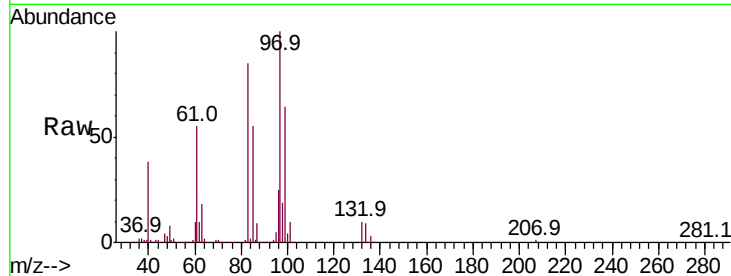
#55
 1,1,2-Trichloroethane
 Concen: 20.848 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.6	100.0
85	55.2	44.4	66.6
99	63.9	50.8	76.2

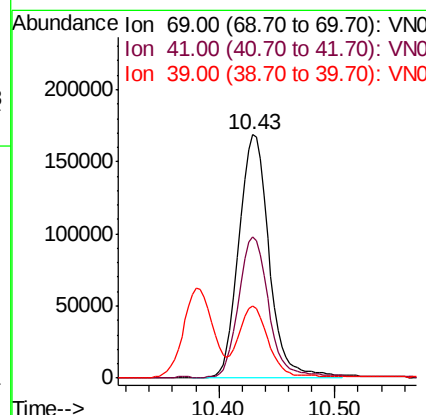
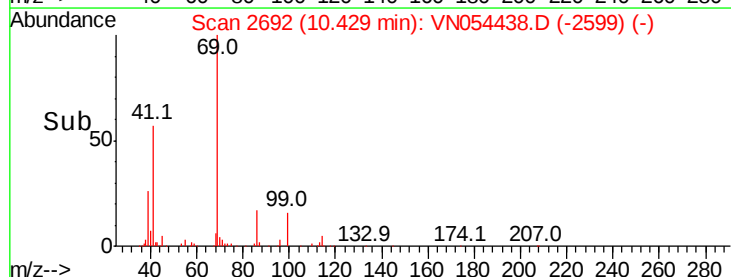
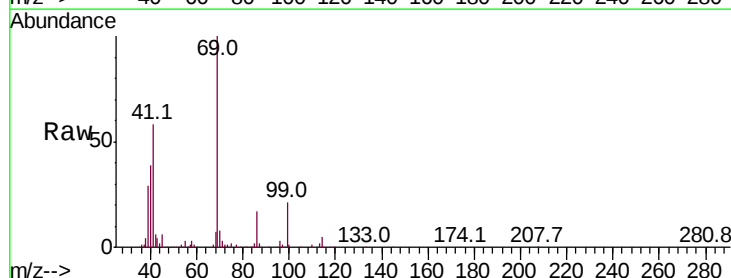
Manual Integrations
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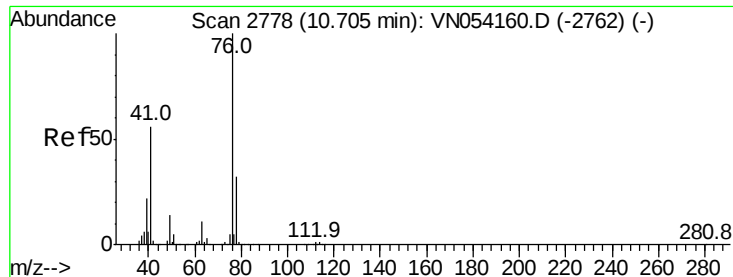
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#56
 Ethyl methacrylate
 Concen: 20.195 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	56.6	49.4	74.2
39	26.9	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.676 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion: 76 Resp: 429489

Ion Ratio Lower Upper

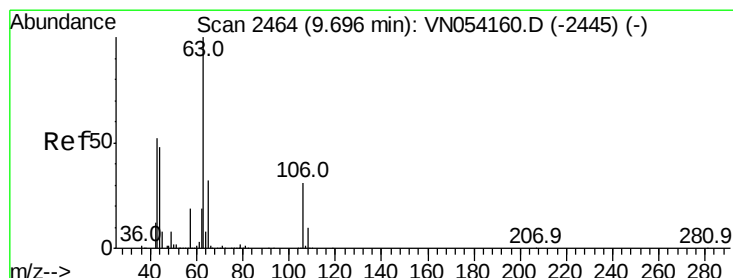
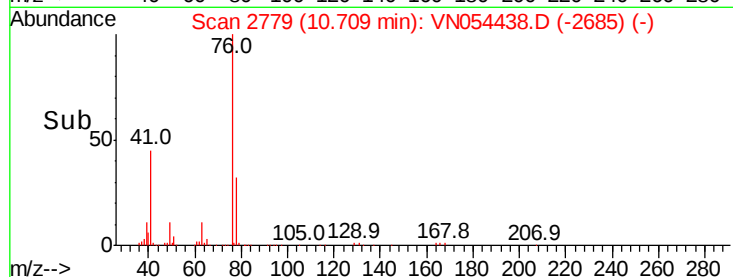
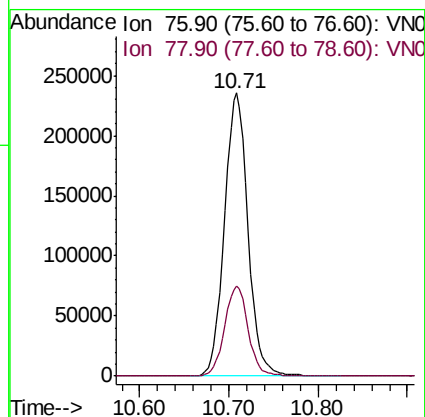
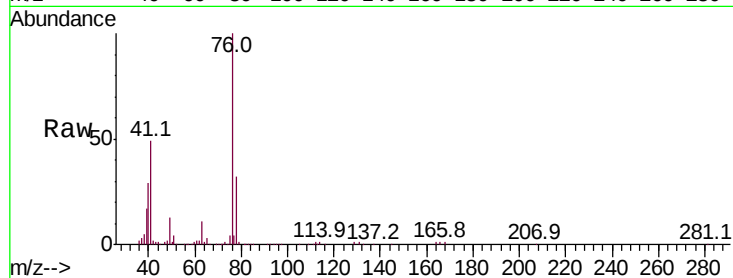
76 100

78 31.8 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 97.306 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054438.D

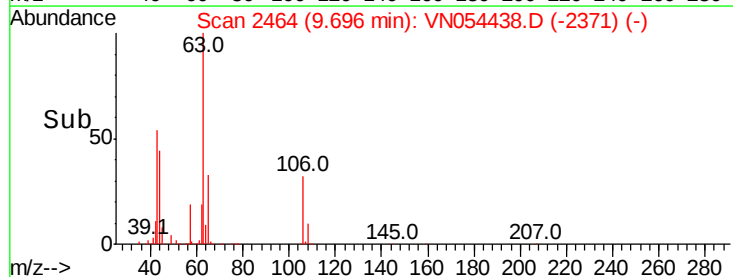
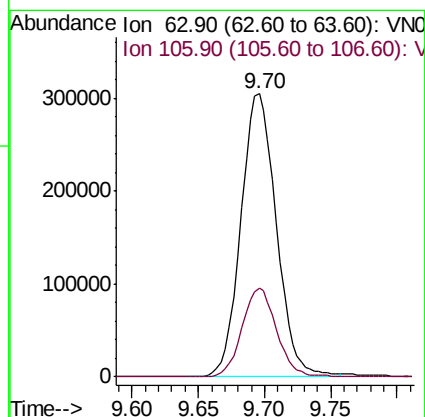
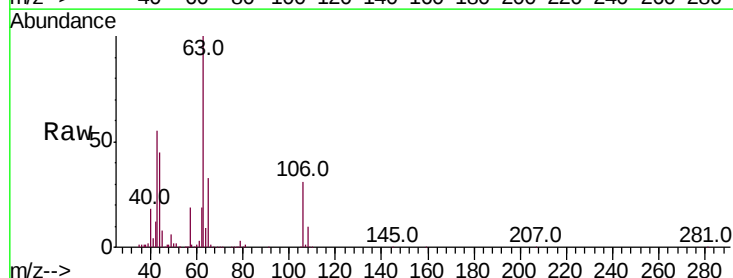
Acq: 19 Mar 2019 14:04

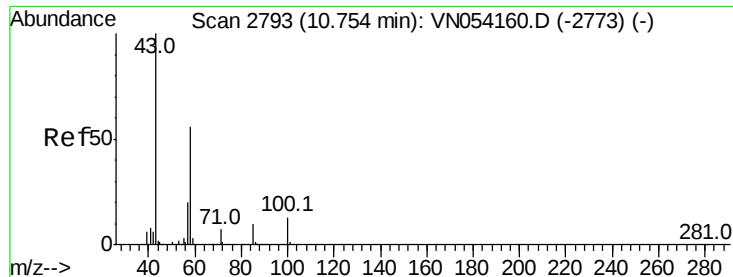
Tgt Ion: 63 Resp: 567054

Ion Ratio Lower Upper

63 100

106 30.5 24.4 36.6





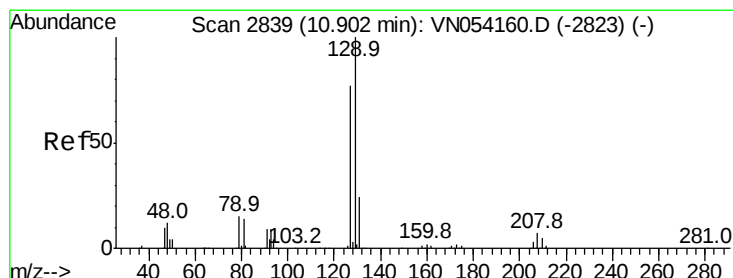
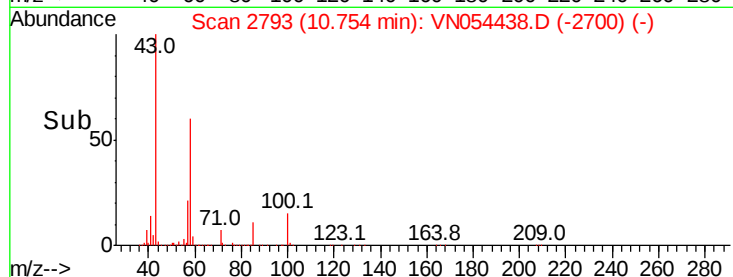
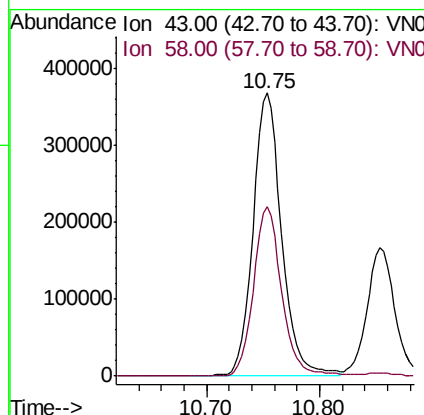
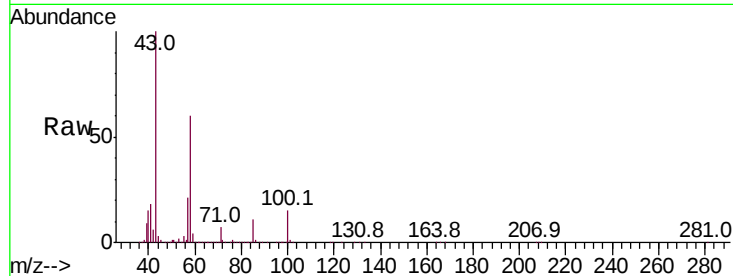
#59
2-Hexanone
Concen: 94.133 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion: 43 Resp: 641045
Ion Ratio Lower Upper
43 100
58 59.3 28.0 83.9

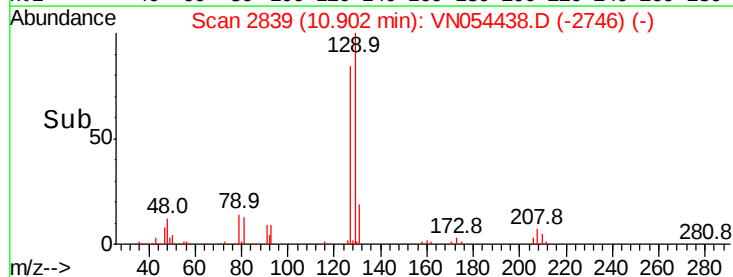
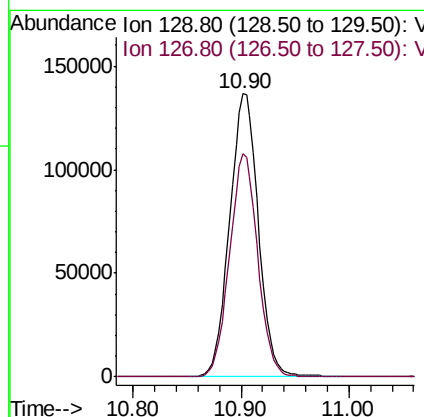
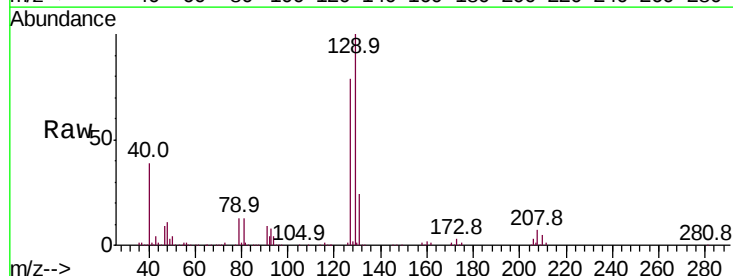
Manual Integrations
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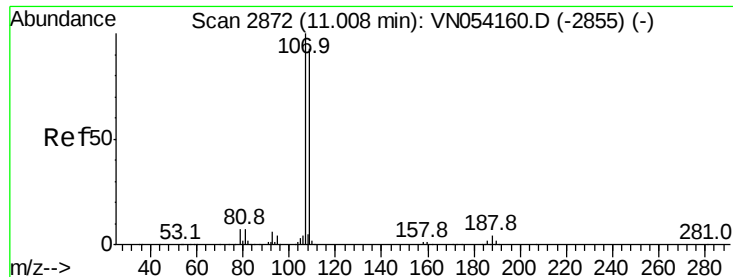
MMDadoda
3/20/2019 12:21:41 PM



#60
Dibromochloromethane
Concen: 17.774 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion: 129 Resp: 254153
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





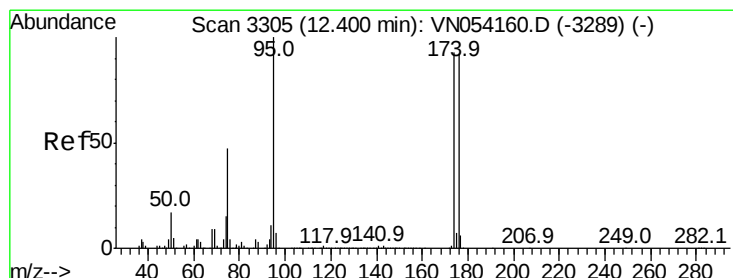
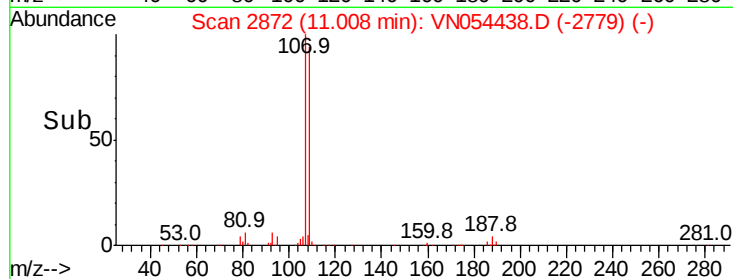
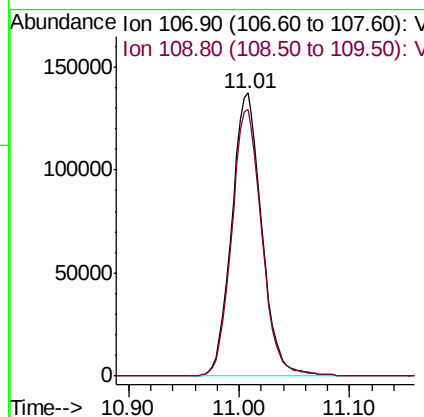
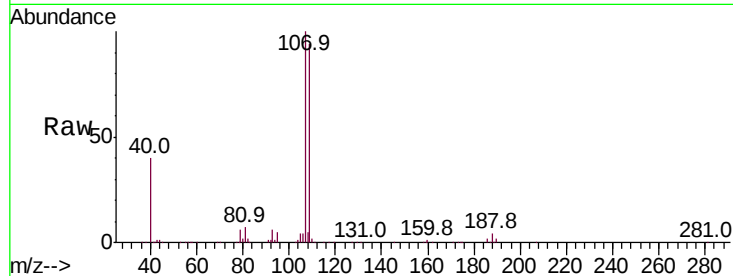
#61
 1,2-Dibromoethane
 Concen: 20.083 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0319WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.9	113.9

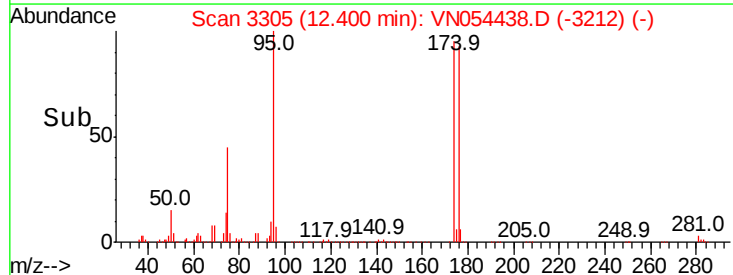
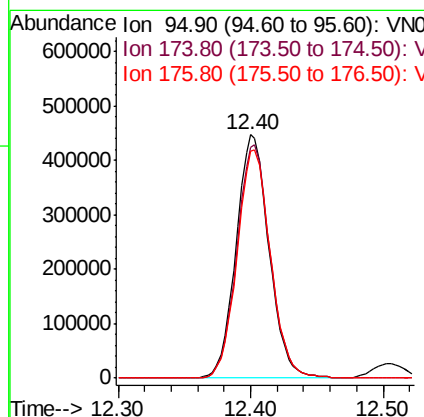
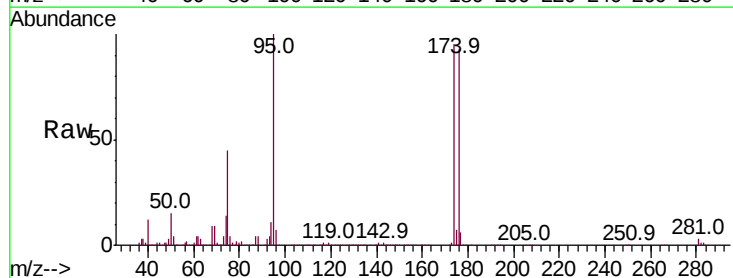
Manual Integrations
 APPROVED

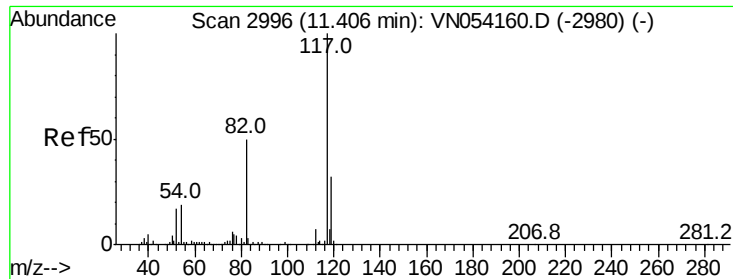
MMDadoda
 3/20/2019 12:21:41 PM



#62
 4-Bromofluorobenzene
 Concen: 44.415 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054438.D
 Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	191.0
176	95.3	0.0	187.4





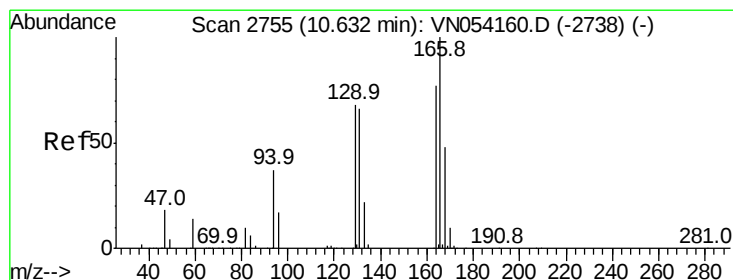
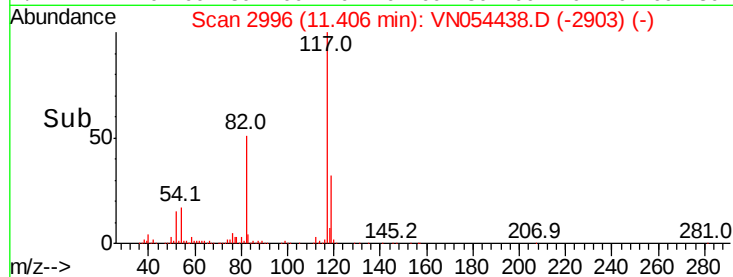
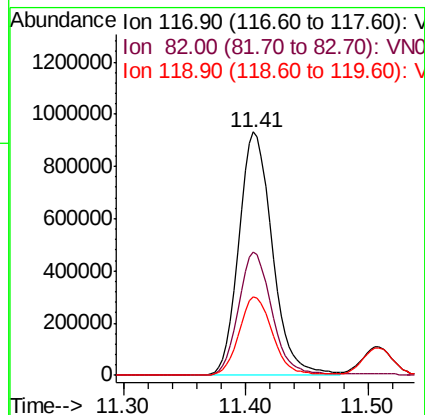
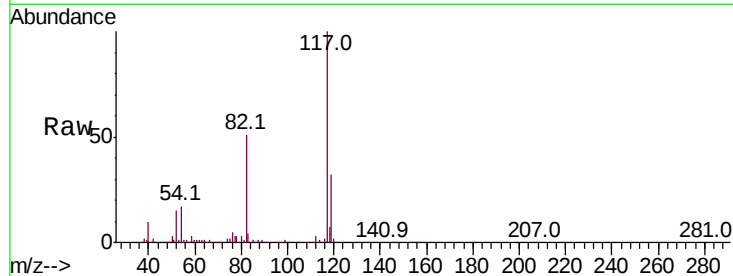
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.0	60.0
119	32.4	25.8	38.6

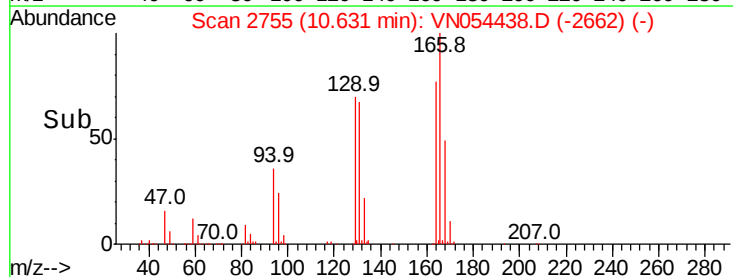
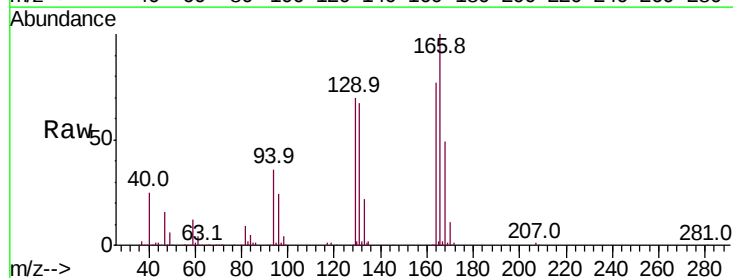
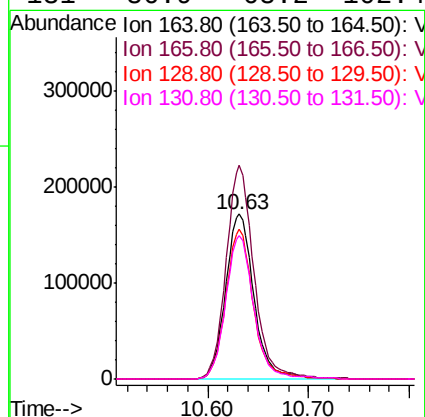
Manual Integrations
APPROVED

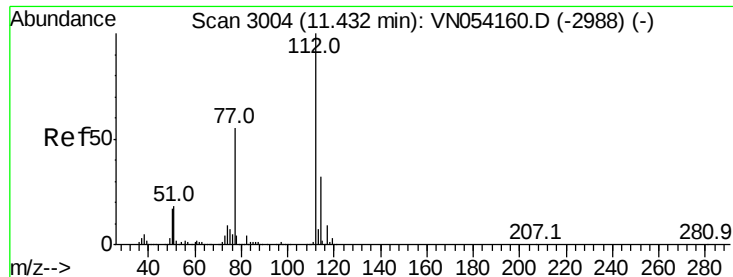
MMDadoda
3/20/2019 12:21:41 PM



#64
Tetrachloroethene
Concen: 19.592 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.9	155.9
129	90.5	71.1	106.7
131	86.9	68.2	102.4





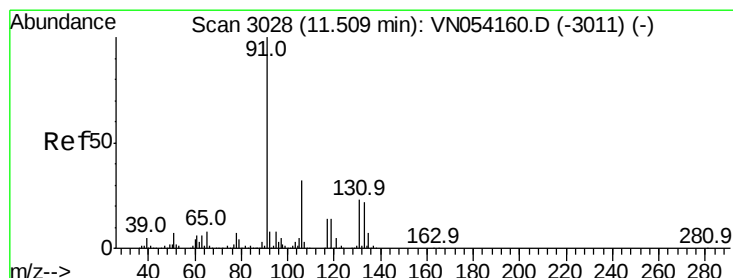
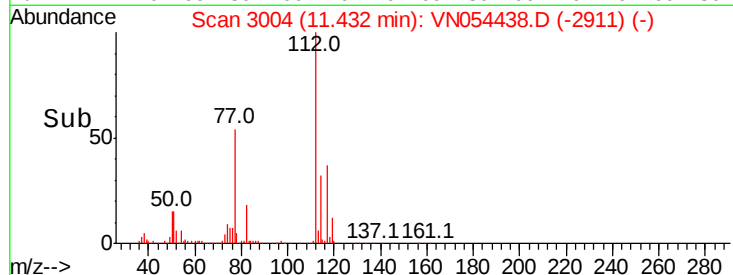
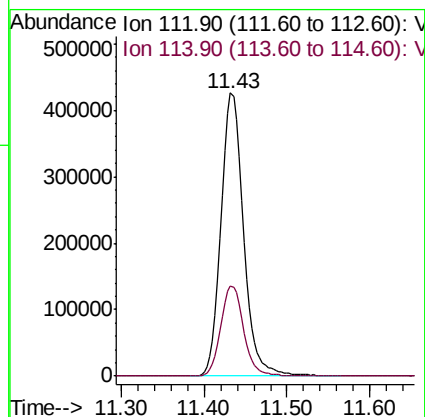
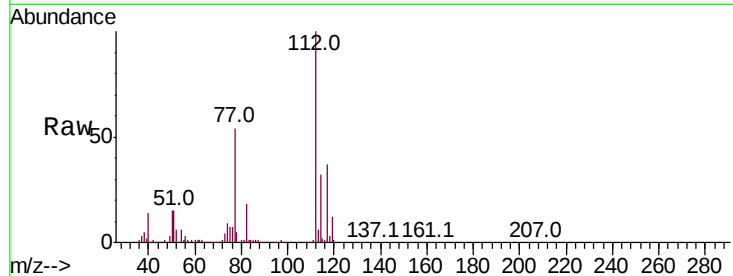
#65
Chlorobenzene
Concen: 20.596 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion:112 Resp: 801262
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

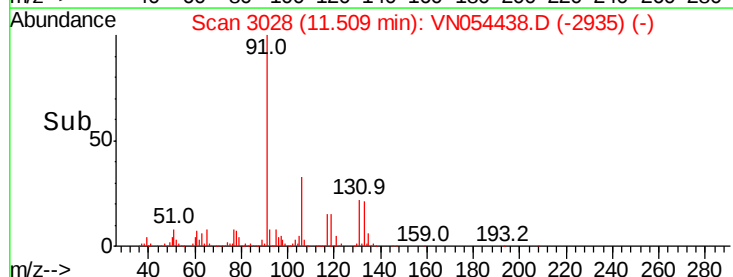
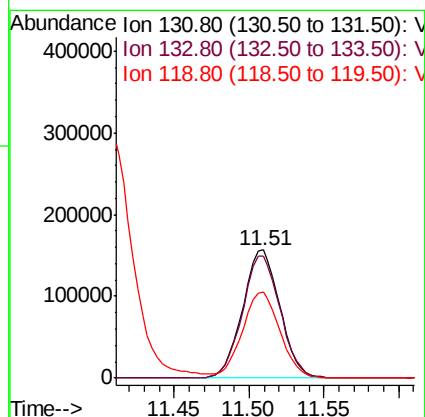
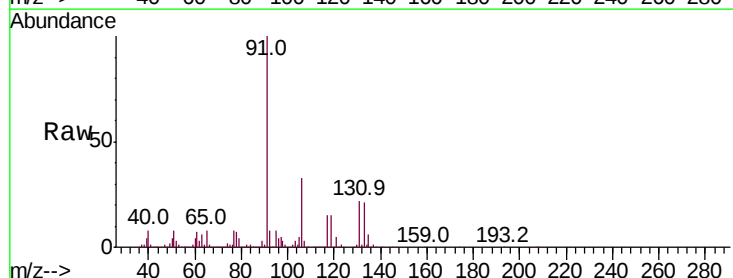
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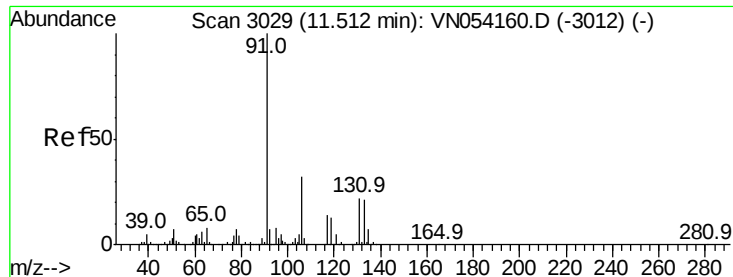
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.278 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:131 Resp: 272449
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 67.6 32.4 97.0





#67

Ethyl Benzene

Concen: 20.105 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 91 Resp: 1296604

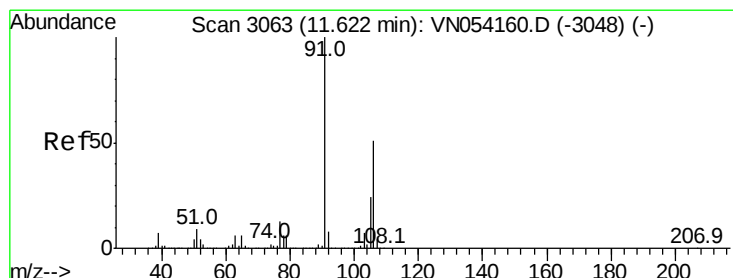
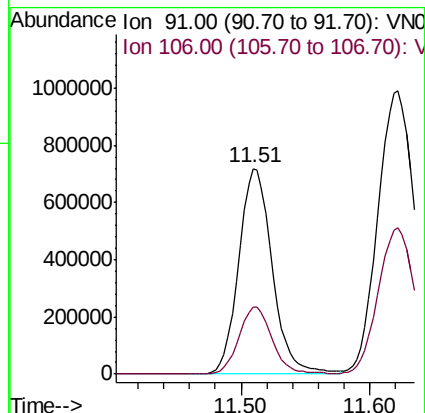
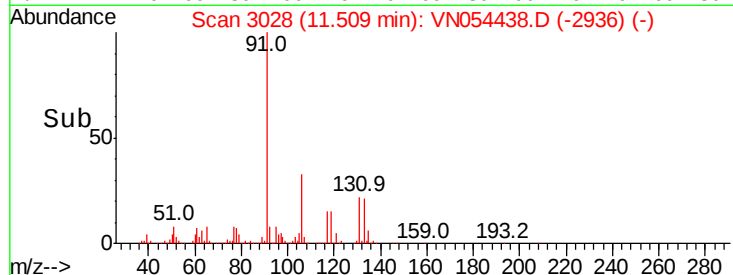
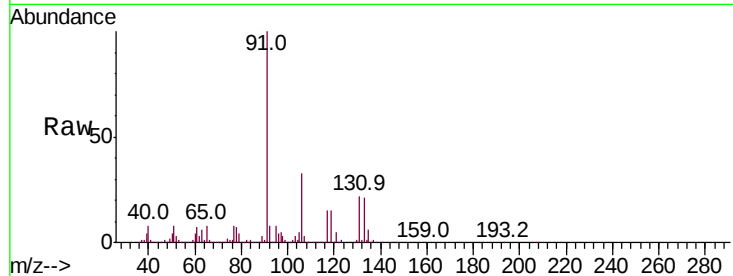
Ion Ratio Lower Upper

91 100

106 32.7 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.244 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054438.D

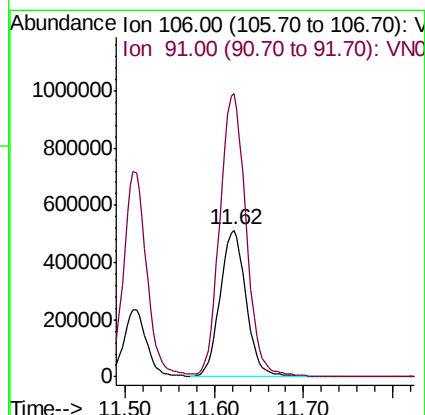
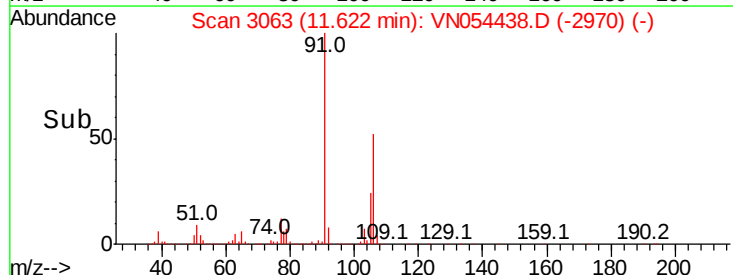
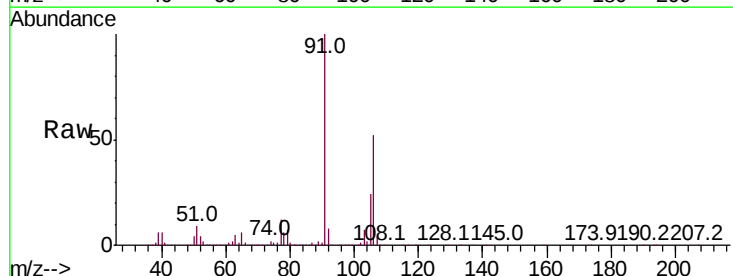
Acq: 19 Mar 2019 14:04

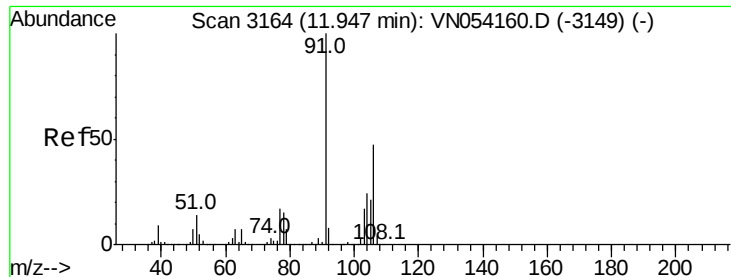
Tgt Ion: 106 Resp: 1039580

Ion Ratio Lower Upper

106 100

91 194.7 159.4 239.2





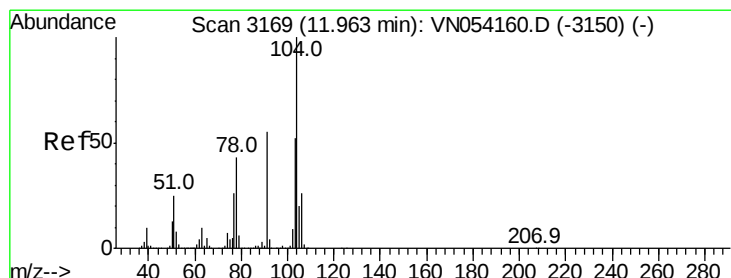
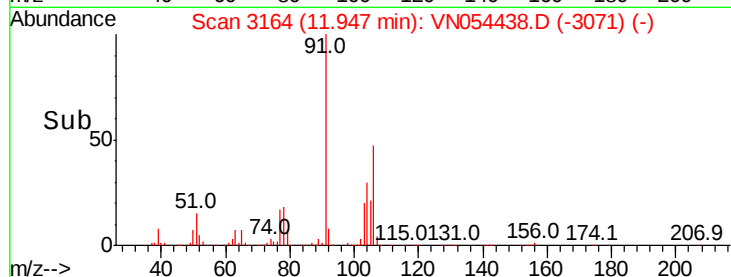
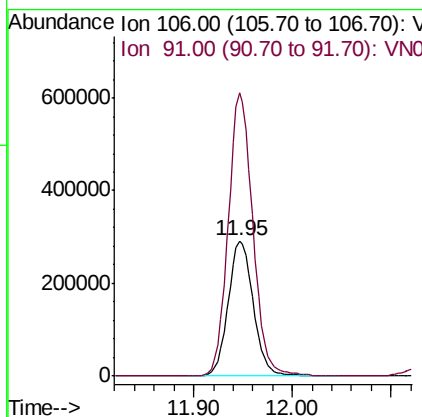
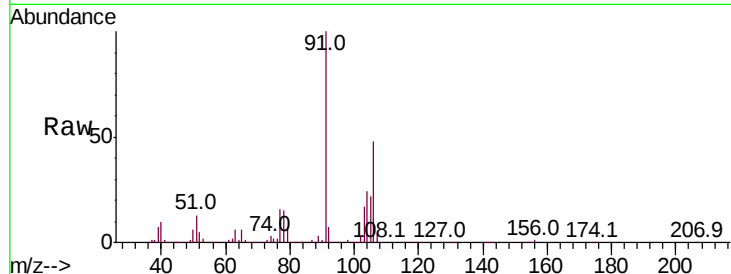
#69
o-Xylene
Concen: 21.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion:106 Resp: 521496
Ion Ratio Lower Upper
106 100
91 204.5 105.7 317.1

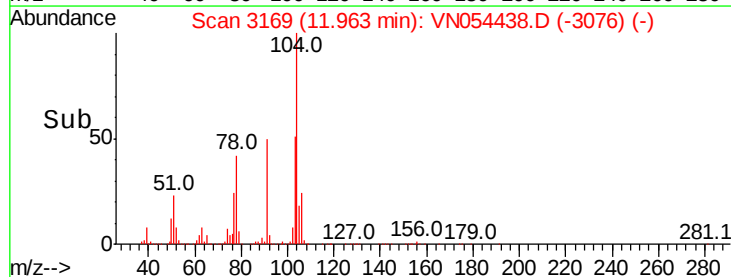
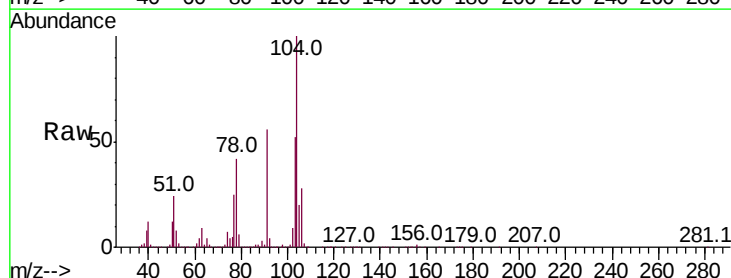
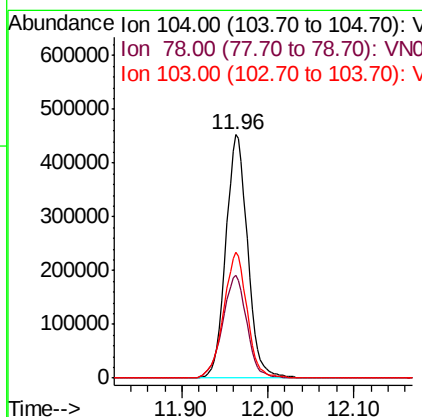
Manual Integrations
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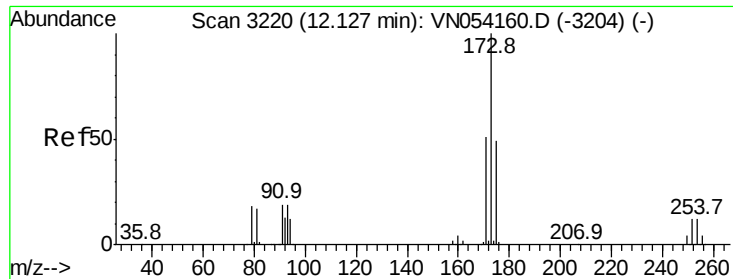
MMDadoda
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#70
Styrene
Concen: 20.735 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:104 Resp: 799031
Ion Ratio Lower Upper
104 100
78 46.6 38.2 57.2
103 55.6 44.4 66.6





#71

Bromoform

Concen: 16.279 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

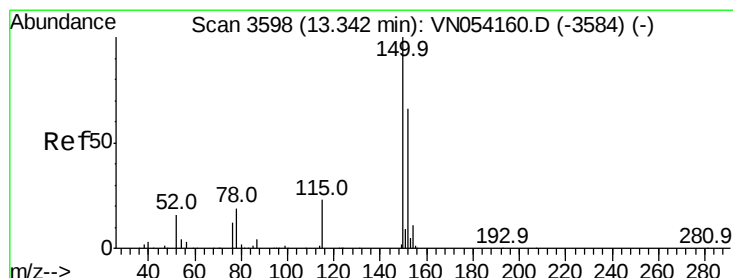
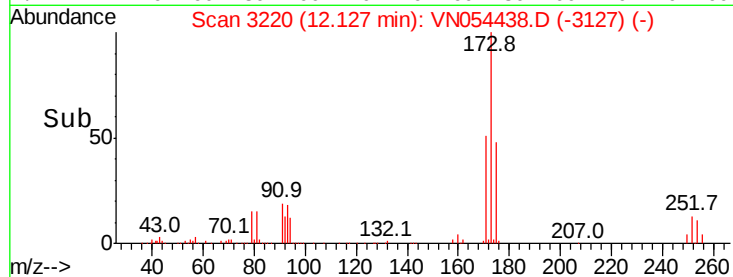
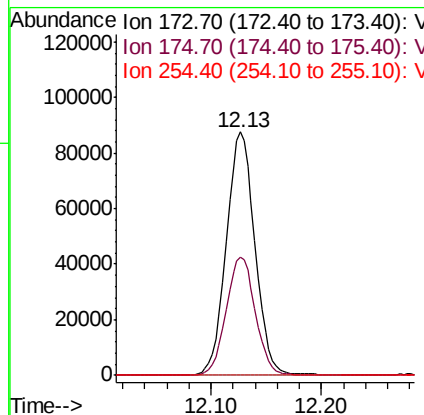
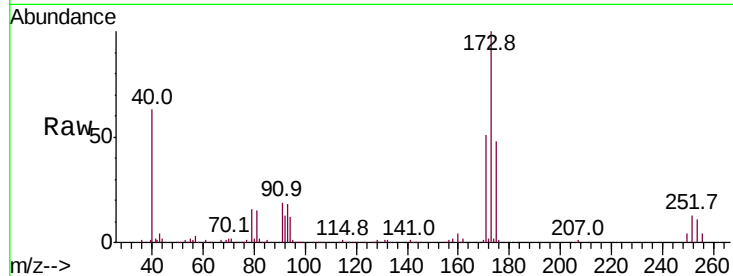
ClientSampleId :

VN0319WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

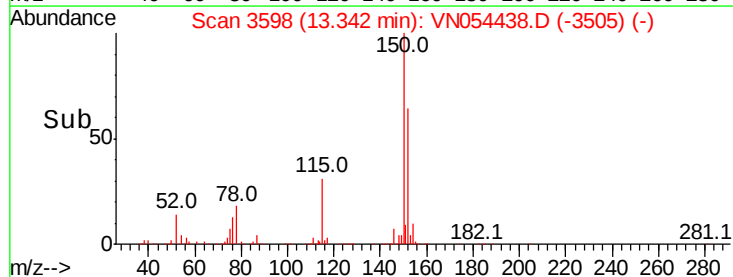
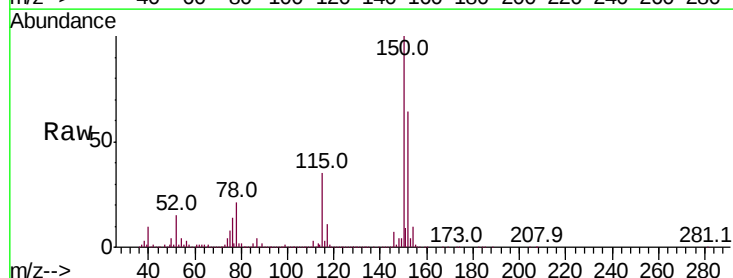
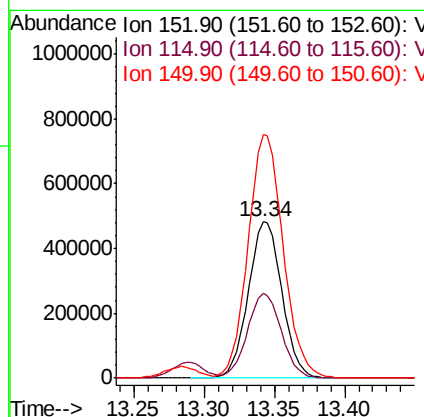
RT: 13.34 min Scan# 3598

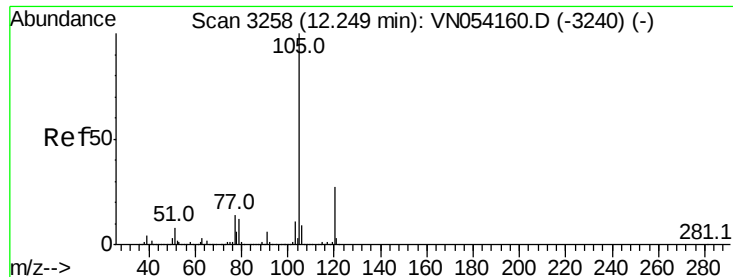
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.2	81.6
150	163.0	0.0	349.2





#73

Isopropylbenzene

Concen: 20.721 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion:105 Resp: 1333816

Ion Ratio Lower Upper

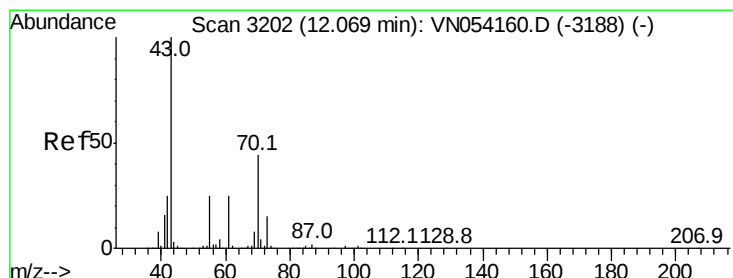
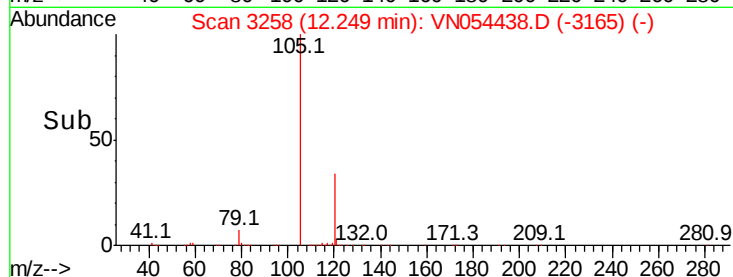
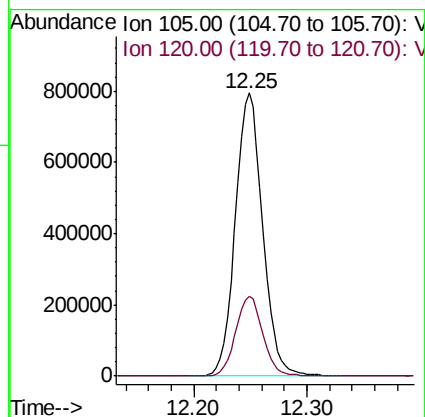
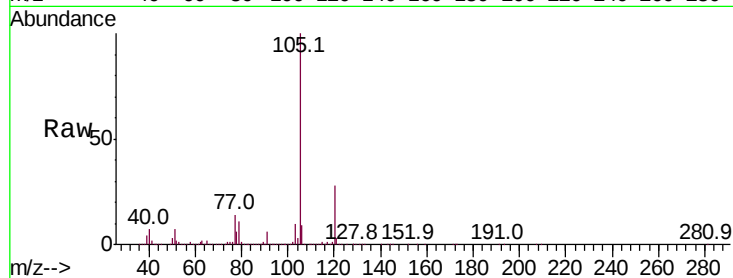
105 100

120 28.3 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.991 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion: 43 Resp: 285629

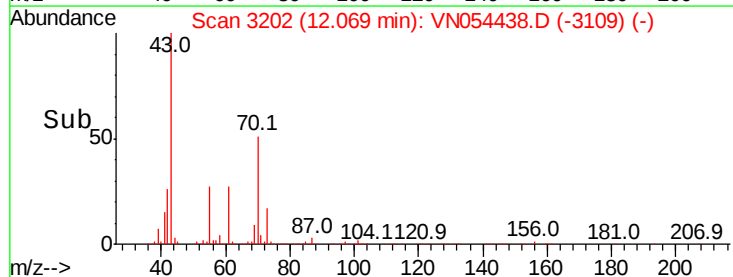
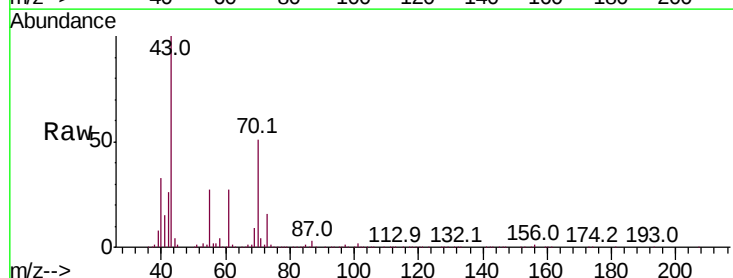
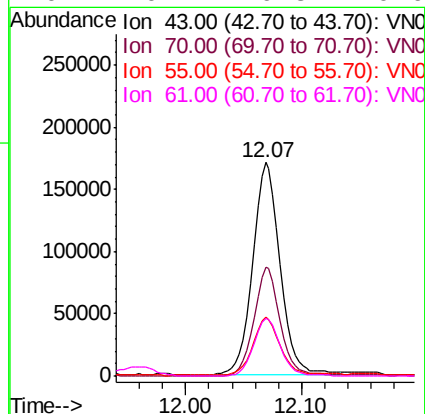
Ion Ratio Lower Upper

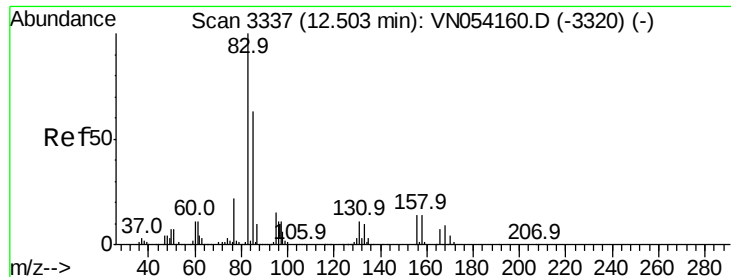
43 100

70 48.0 35.4 53.0

55 26.9 19.8 29.6

61 26.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.841 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 83 Resp: 299533
Ion Ratio Lower Upper

83 100

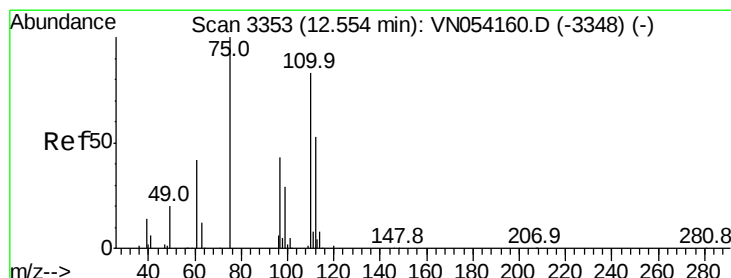
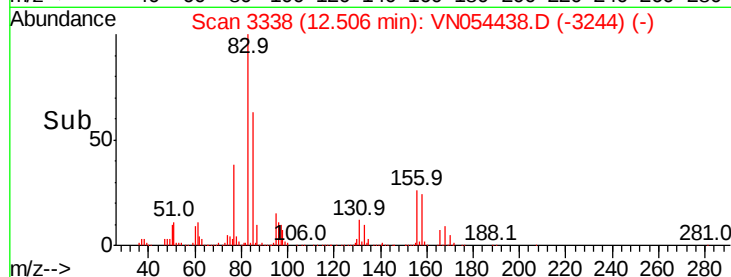
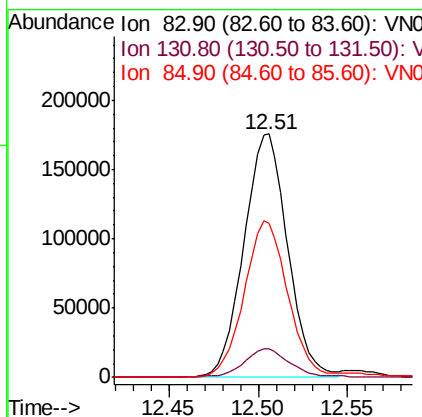
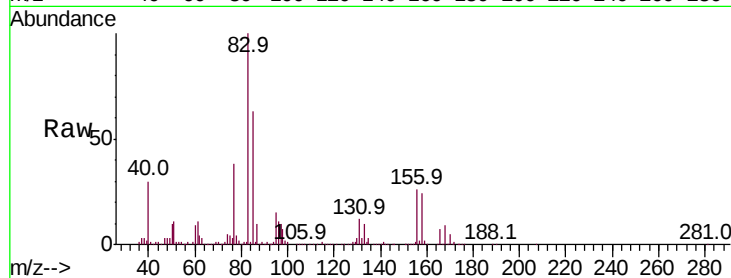
131 11.9 5.8 17.4

85 64.0 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 20.597 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

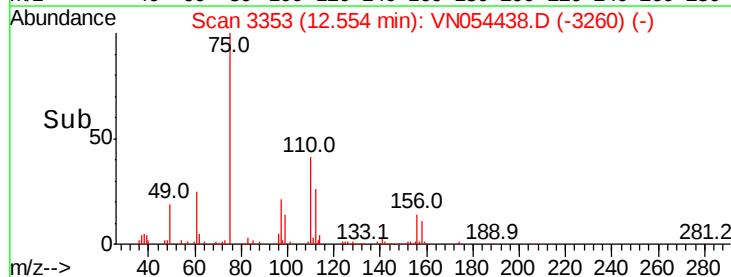
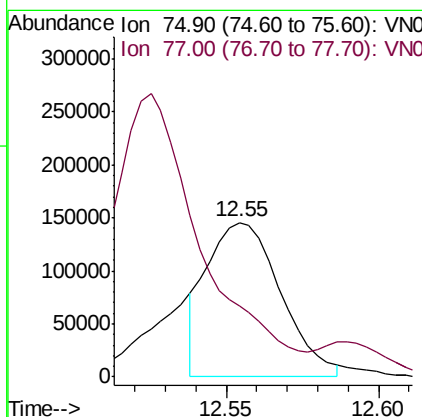
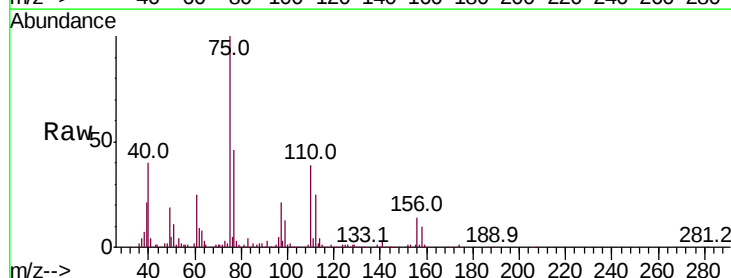
Lab File: VN054438.D

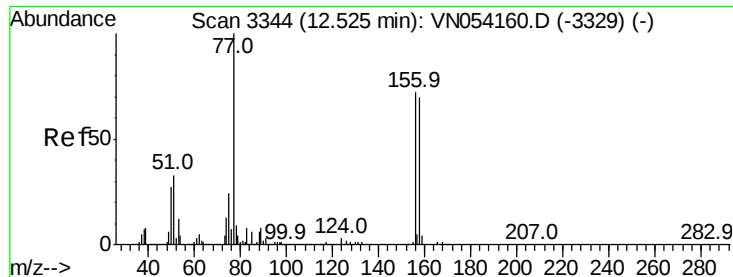
Acq: 19 Mar 2019 14:04

Tgt Ion: 75 Resp: 243690
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.275 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

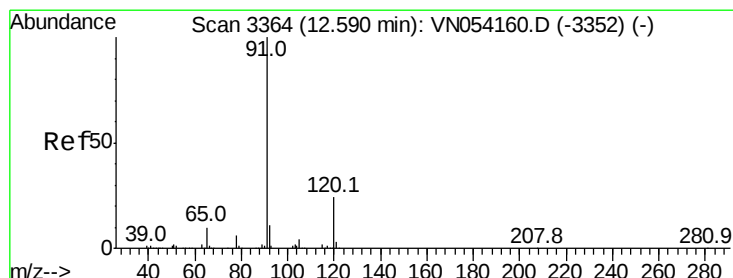
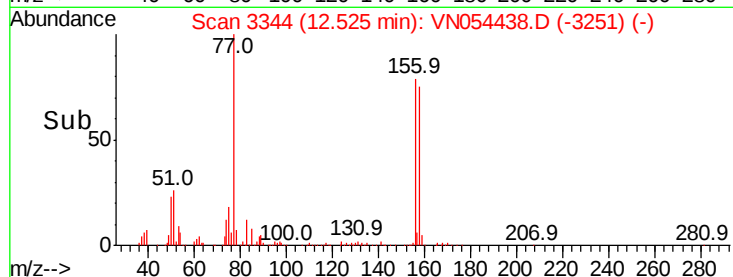
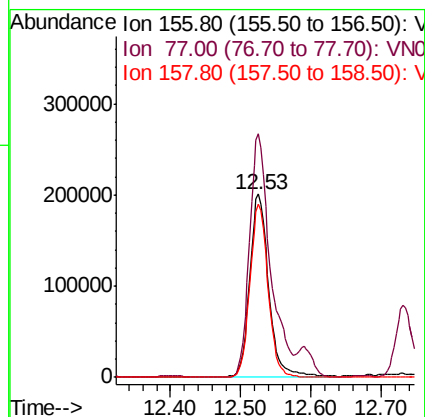
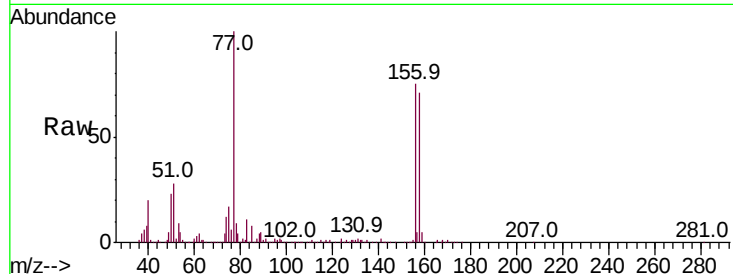
ClientSampleId :

VN0319WBS01

Tot Ion:	156	Resp:	379419
Ion Ratio	Lower	Upper	
156	100		
77	145.5	81.5	244.4
158	88.8	49.0	147.2

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#78

n-propylbenzene

Concen: 20.156 ug/l

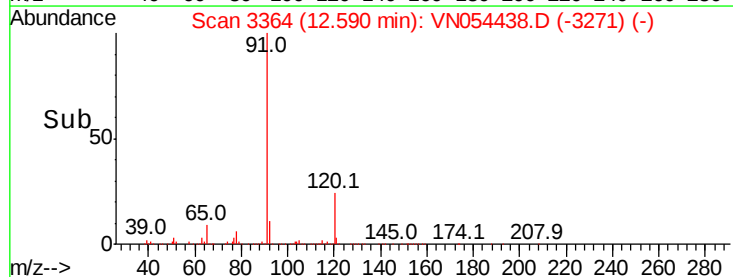
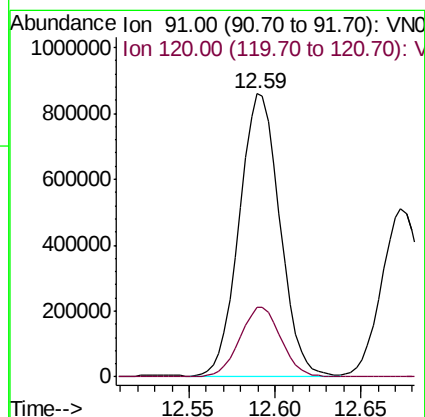
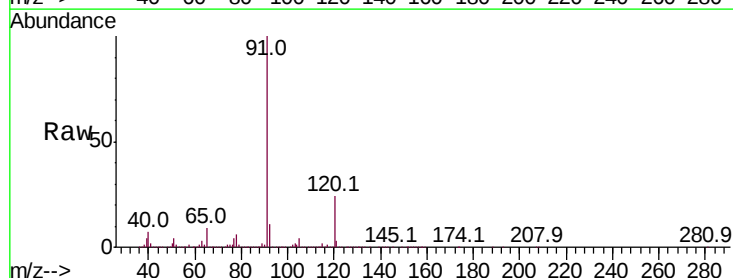
RT: 12.59 min Scan# 3364

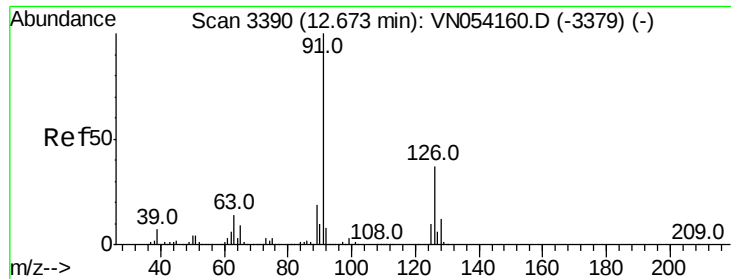
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	91	Resp:	1407813
Ion Ratio	Lower	Upper	
91	100		
120	25.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 20.645 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0319WBS01

Tot Ion: 91 Resp: 867007

Ion Ratio Lower Upper

91 100

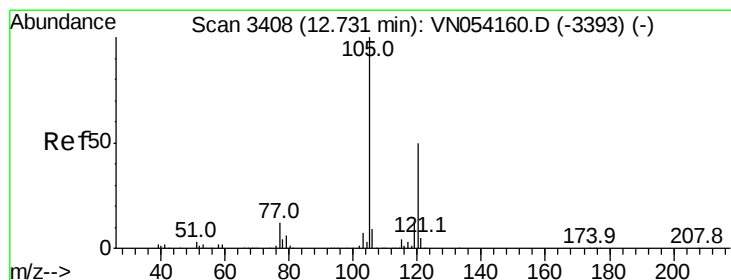
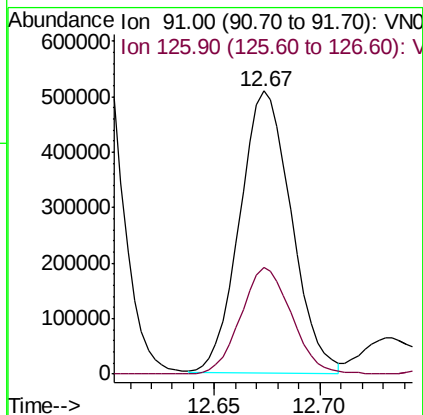
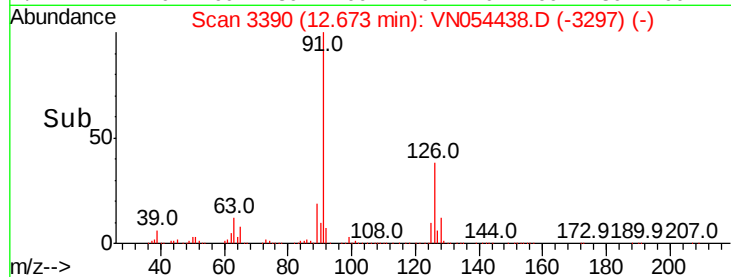
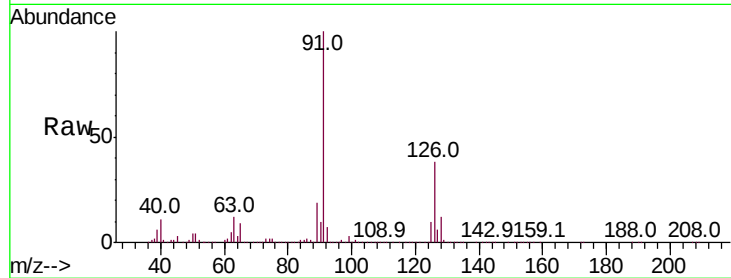
126 37.4 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.392 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054438.D

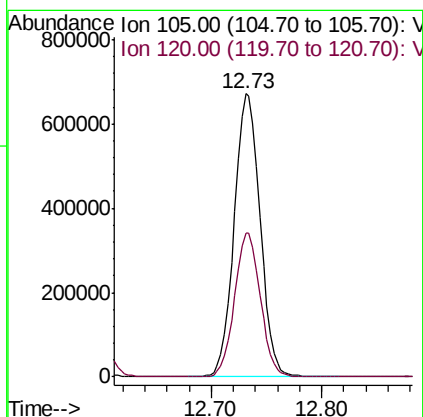
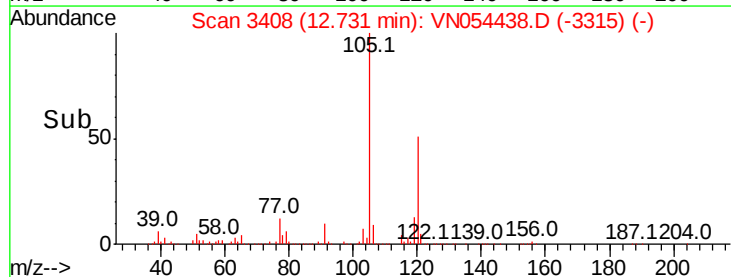
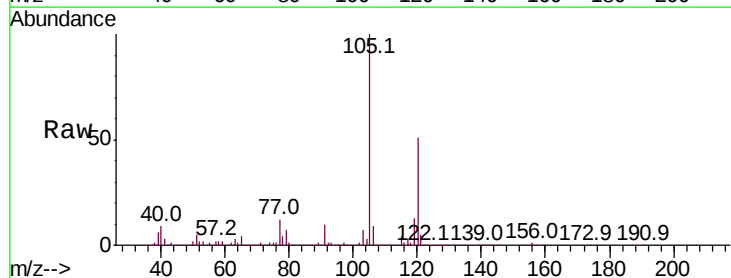
Acq: 19 Mar 2019 14:04

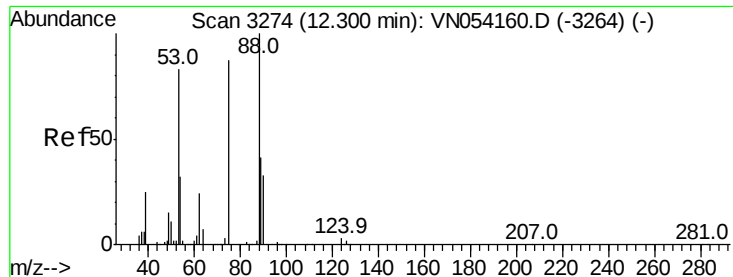
Tgt Ion: 105 Resp: 1091824

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.070 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

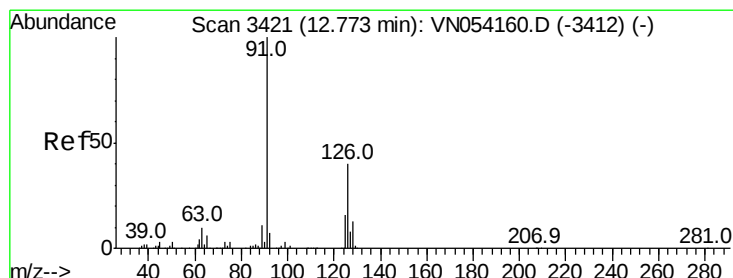
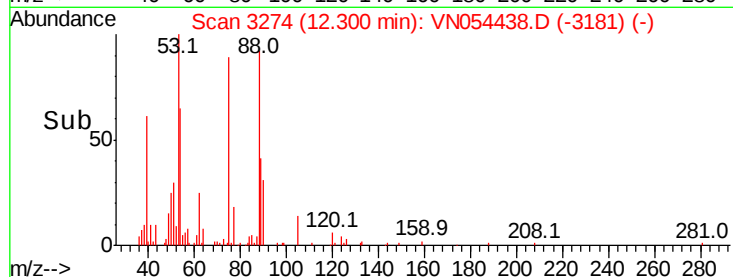
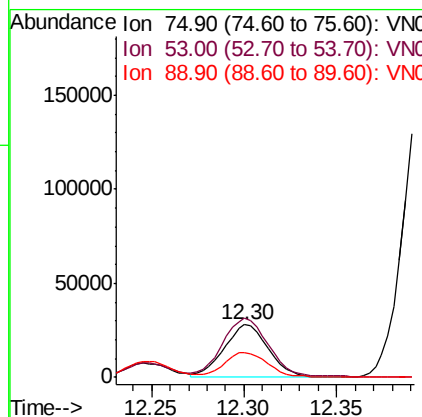
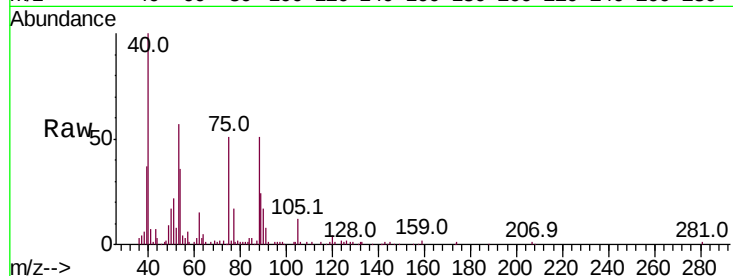
ClientSampleId :

VN0319WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.9	76.2	114.2#
89	47.1	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.039 ug/l

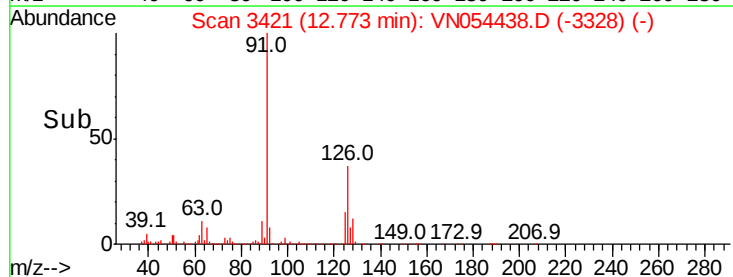
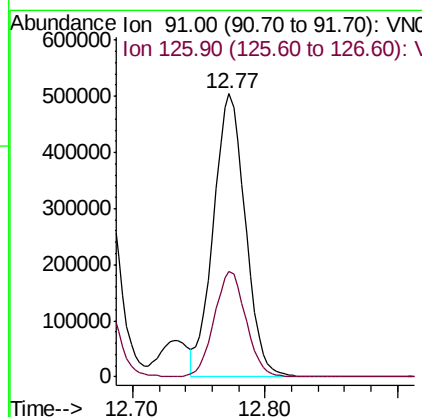
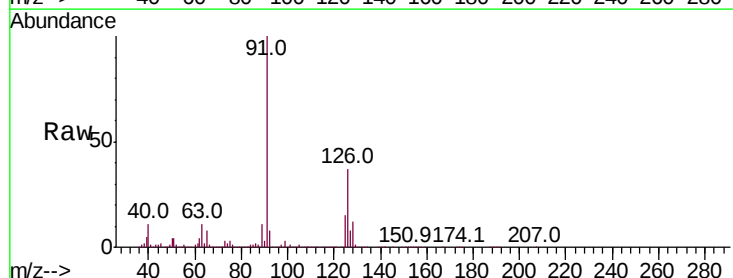
RT: 12.77 min Scan# 3421

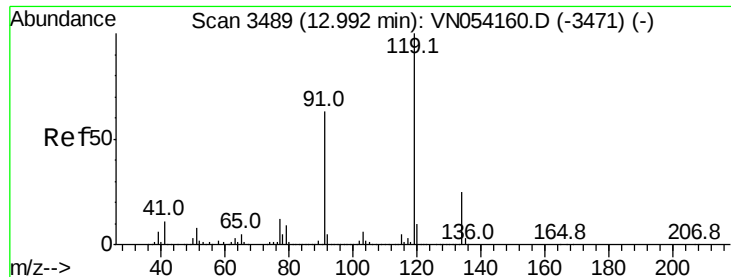
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.1	54.1





#83

tert-Butylbenzene

Concen: 20.253 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

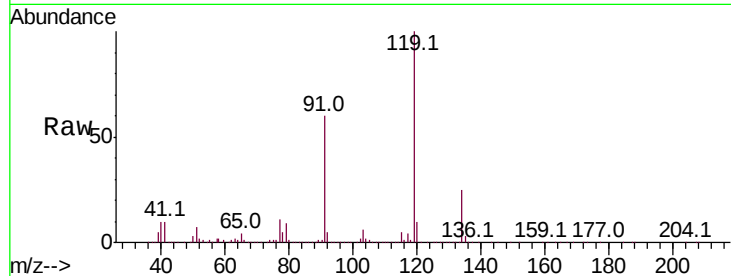
ClientSampleId :

VN0319WBS01

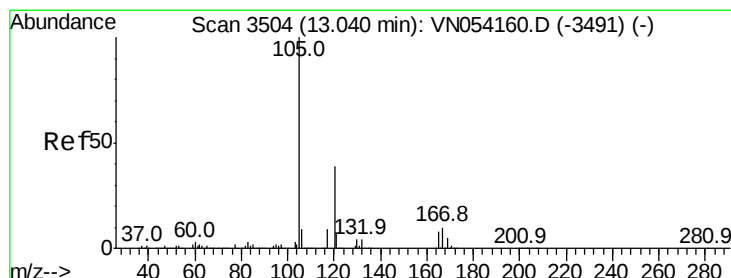
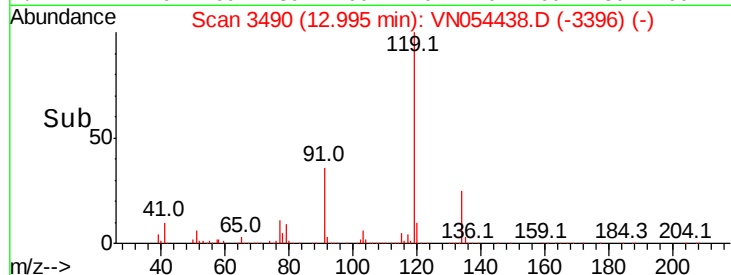
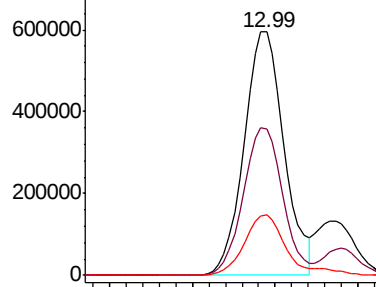
Tot Ion:	119	Resp:	998131
Ion Ratio	Lower	Upper	
119	100		
91	59.5	30.9	92.8
134	26.5	13.2	39.6

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Abundance Ion 119.00 (118.70 to 119.70): V
800000
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.752 ug/l

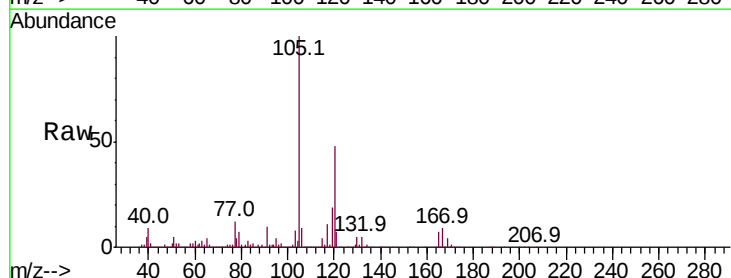
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

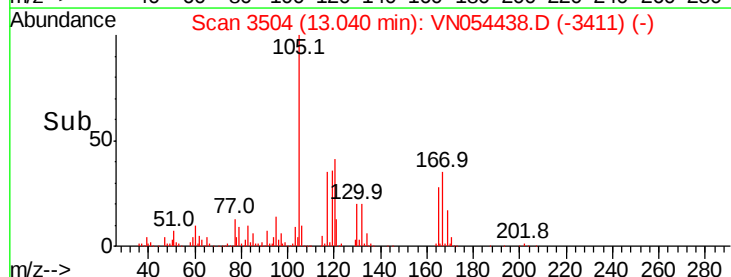
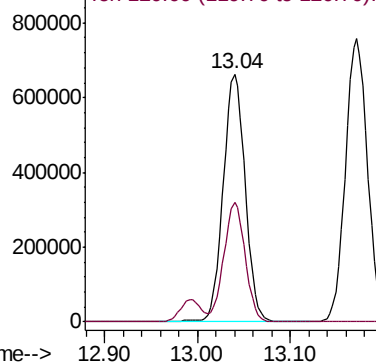
Lab File: VN054438.D

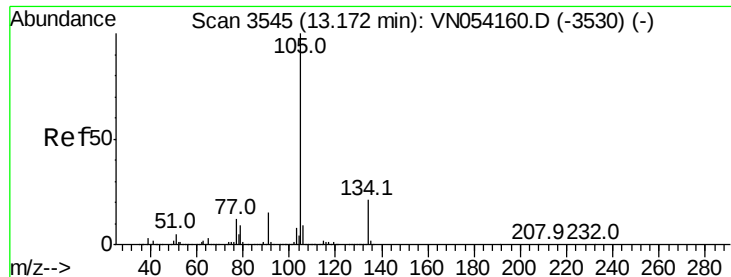
Acq: 19 Mar 2019 14:04

Tgt Ion:	105	Resp:	1090037
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.4	70.3



Abundance Ion 105.00 (104.70 to 105.70): V
800000
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.508 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0319WBS01

Tot Ion:105 Resp: 1246803

Ion Ratio Lower Upper

105 100

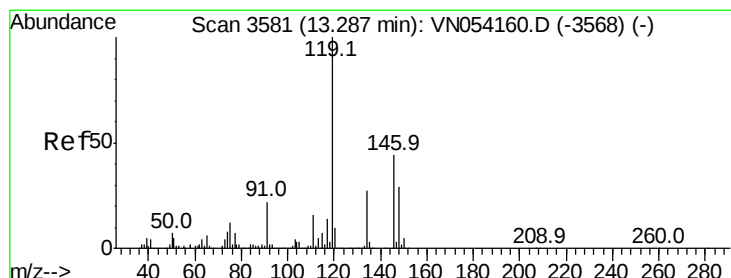
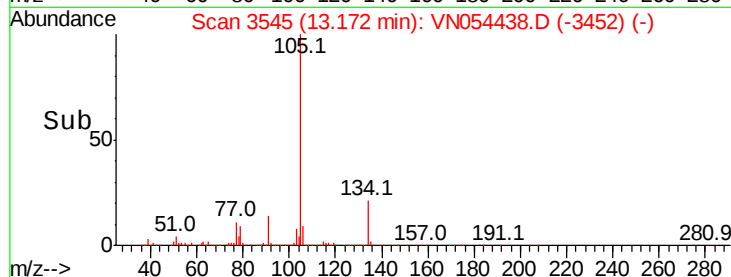
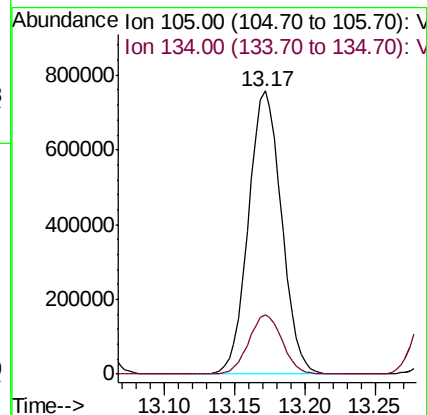
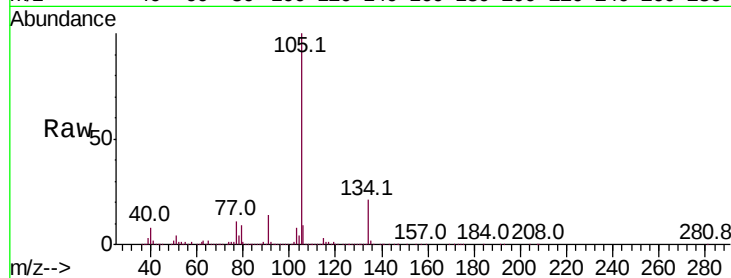
134 21.2 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 19.759 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

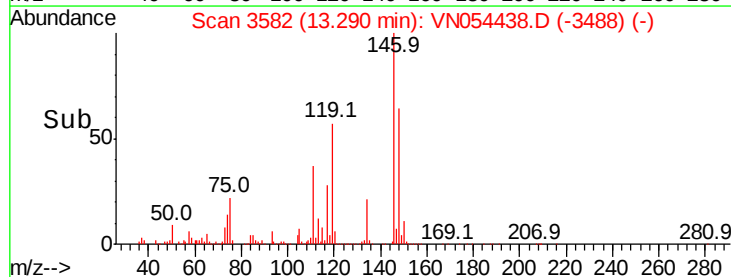
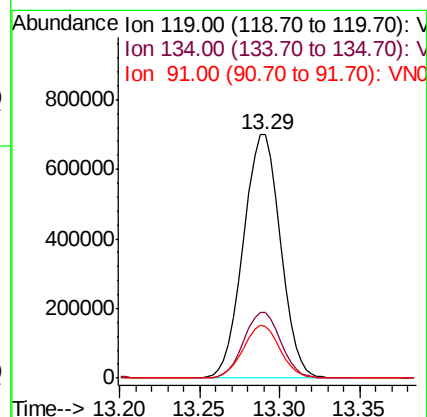
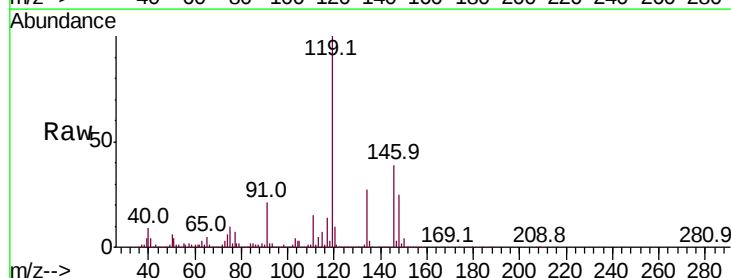
Tgt Ion:119 Resp: 1107889

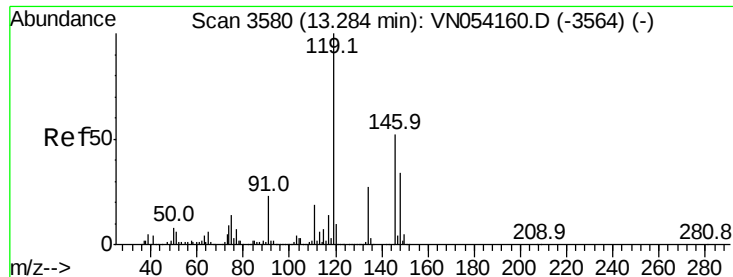
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 21.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 20.109 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054438.D

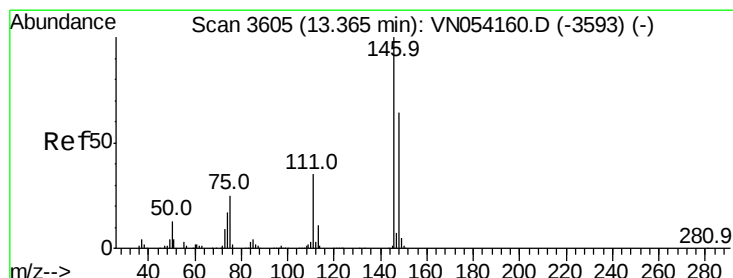
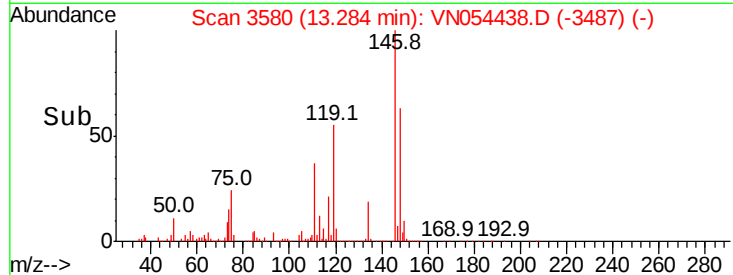
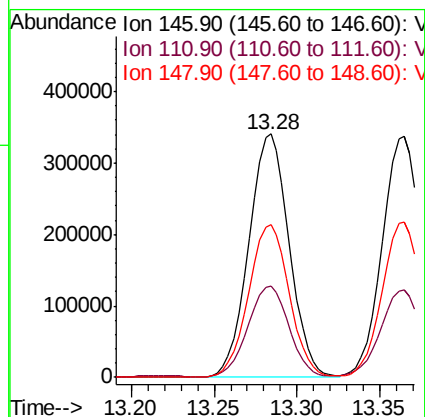
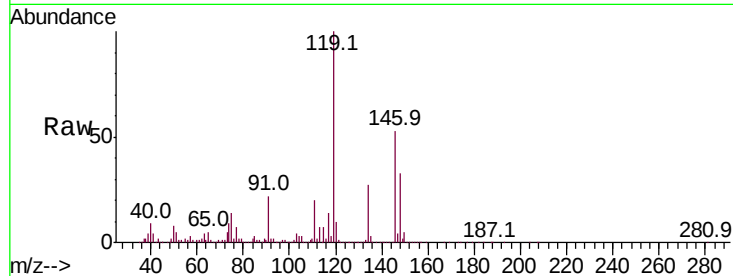
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	63.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.846 ug/l

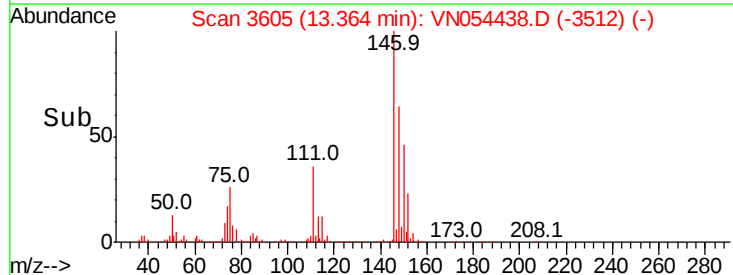
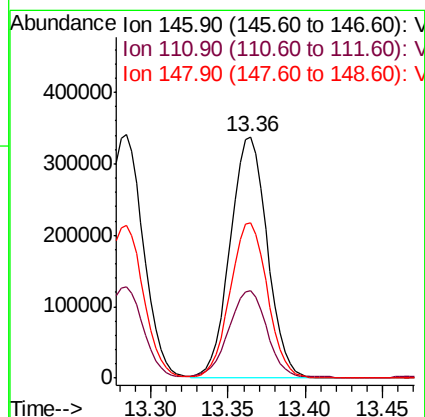
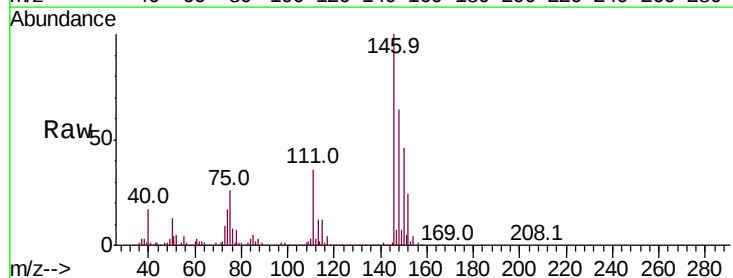
RT: 13.36 min Scan# 3605

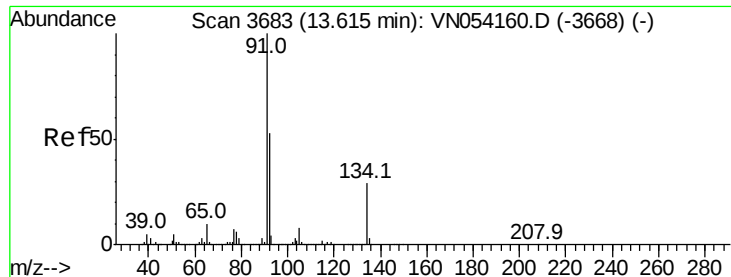
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.1
148	64.8	32.0	96.0





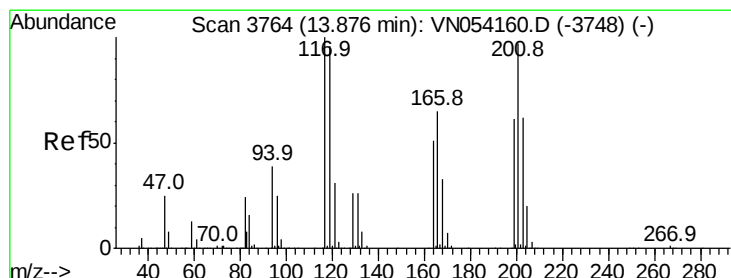
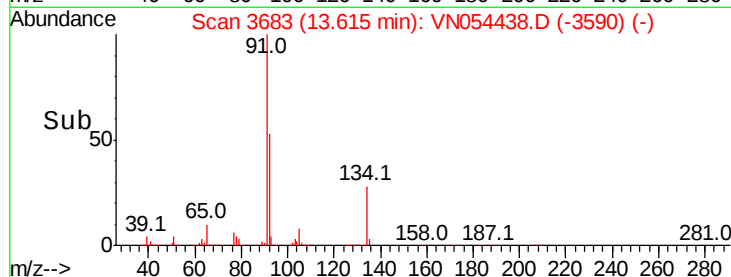
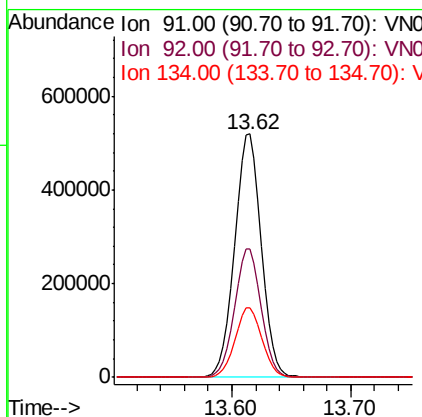
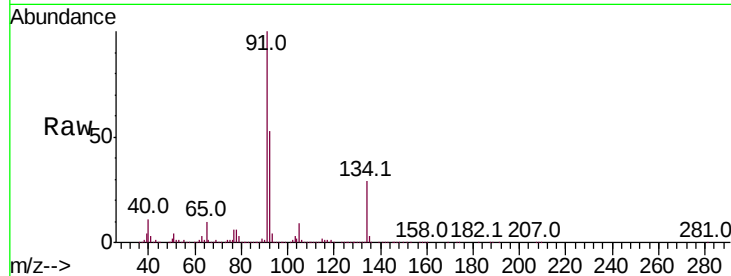
#89
n-Butylbenzene
Concen: 18.752 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.2	78.6
134	28.9	14.3	42.9

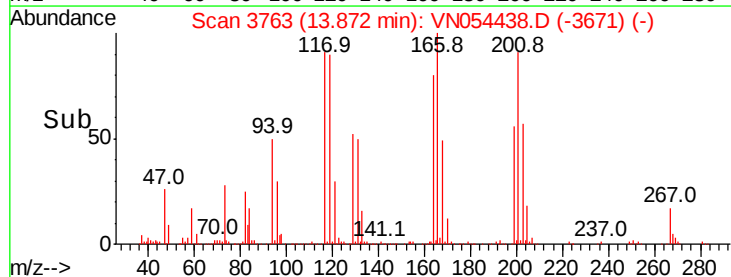
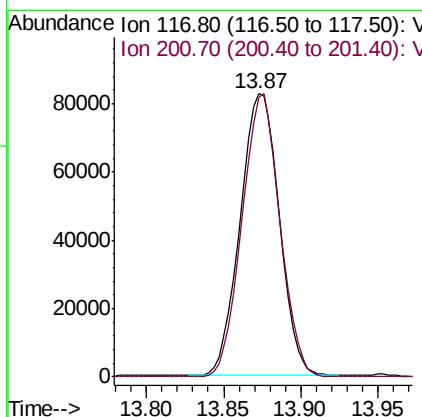
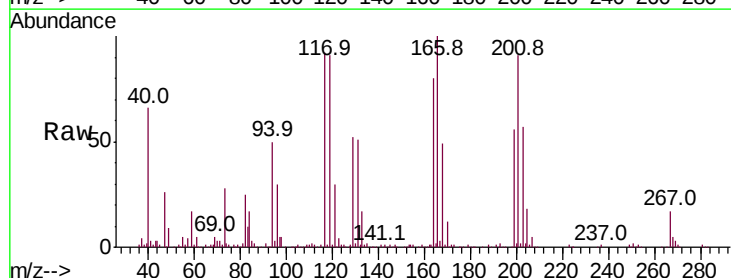
Manual Integrations
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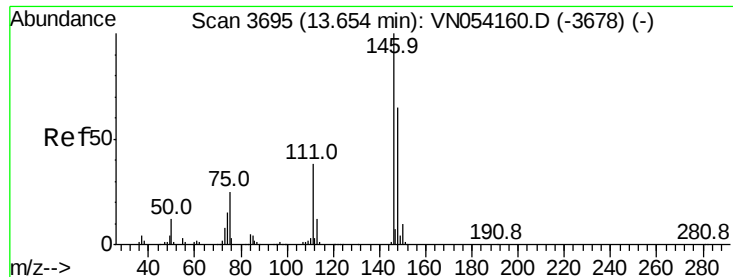
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#90
Hexachloroethane
Concen: 15.653 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.2	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.856 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

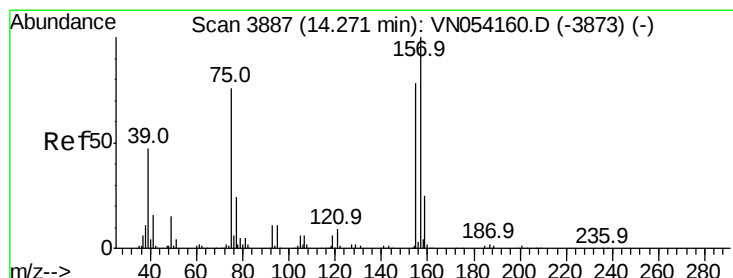
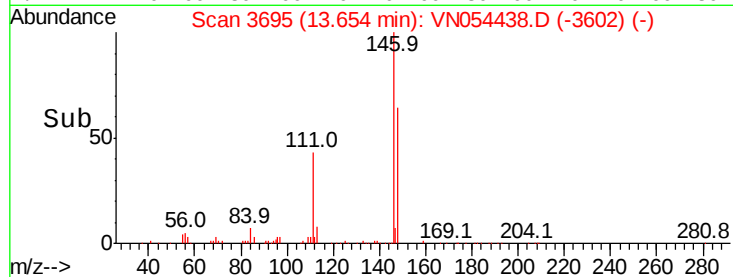
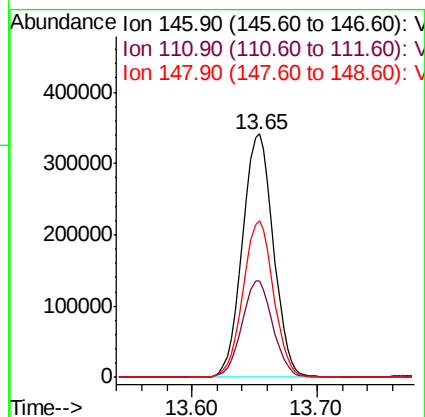
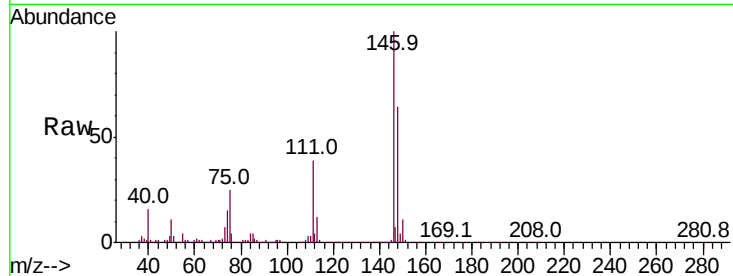
ClientSampleId :

VN0319WBS01

Tot Ion:	146	Resp:	585189
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.1	57.3
148	63.5	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.425 ug/l

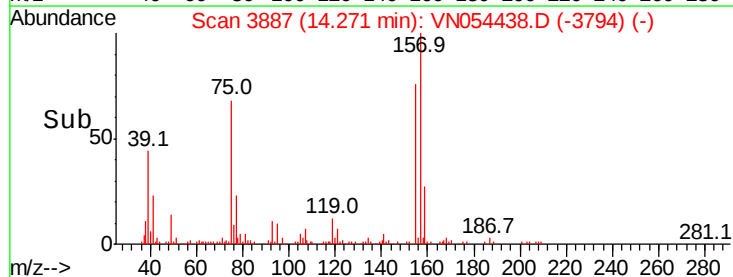
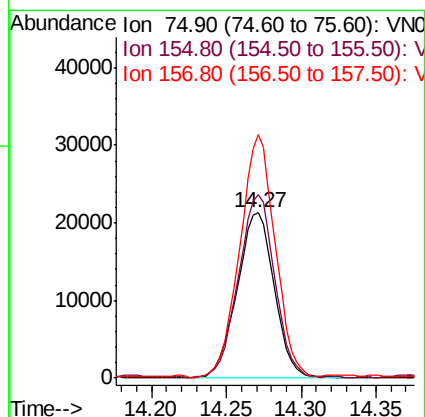
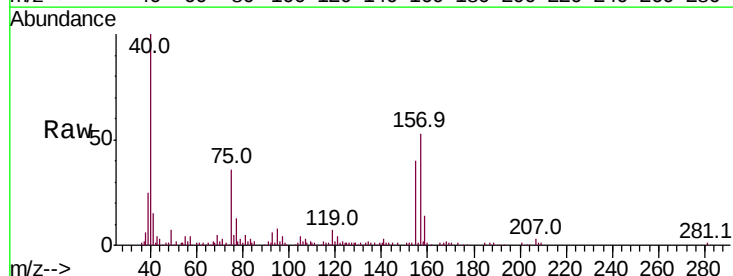
RT: 14.27 min Scan# 3887

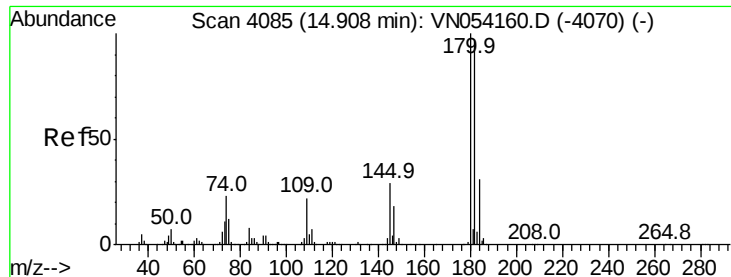
Delta R.T. -0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Tgt Ion:	75	Resp:	36979
Ion Ratio	Lower	Upper	
75	100		
155	108.6	50.1	150.3
157	140.0	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 18.932 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054438.D

Acq: 19 Mar 2019 14:04

Instrument :

MSVOA_N

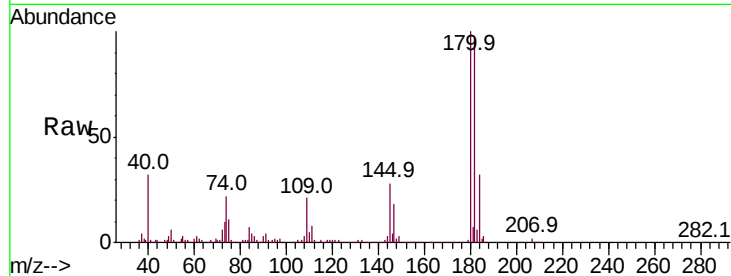
ClientSampleId :

VN0319WBS01

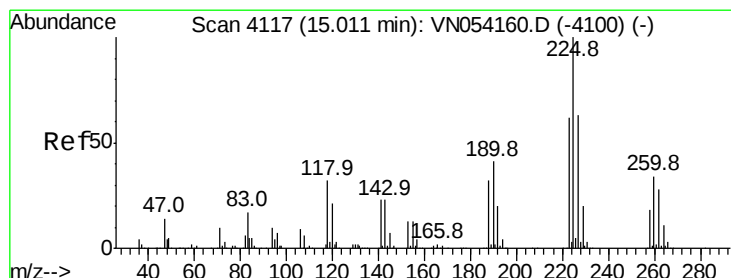
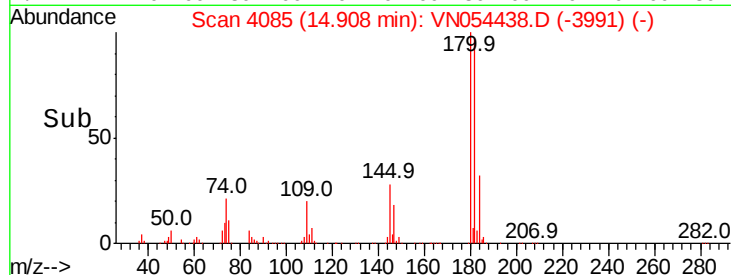
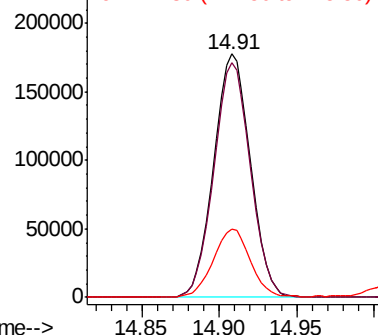
Tot Ion:	180	Resp:	292803
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.0	144.2
145	27.5	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/20/2019 12:21:41 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 17.220 ug/l

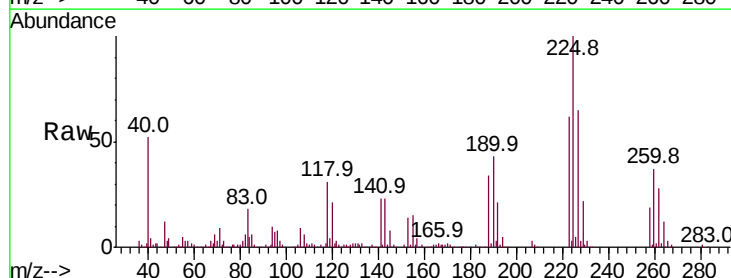
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

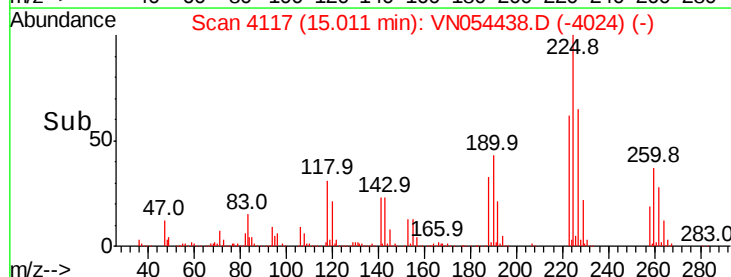
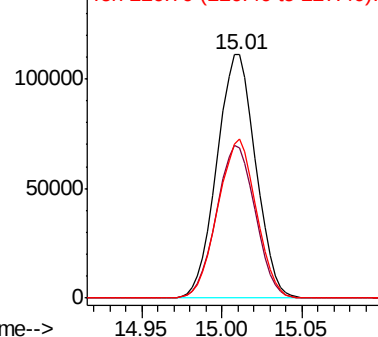
Lab File: VN054438.D

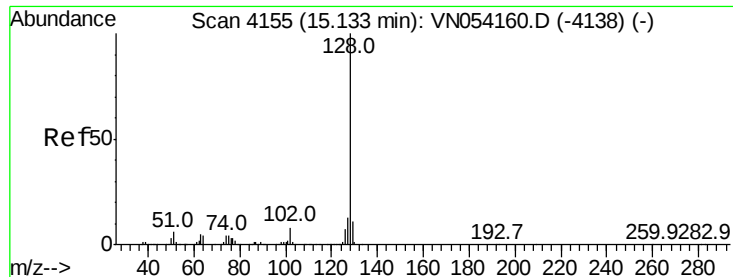
Acq: 19 Mar 2019 14:04

Tgt Ion:	225	Resp:	184041
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.1	93.5
227	64.8	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





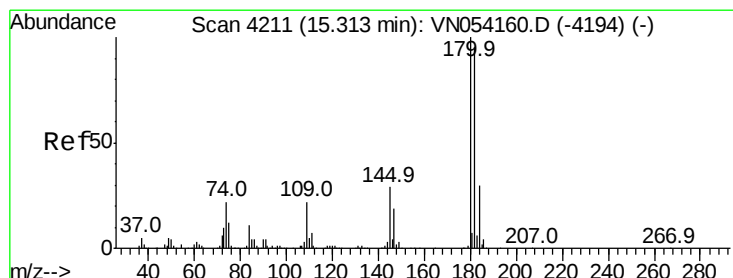
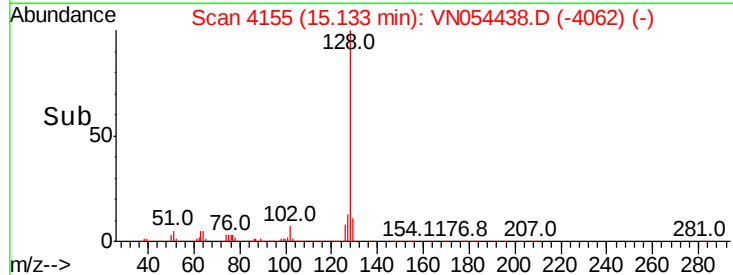
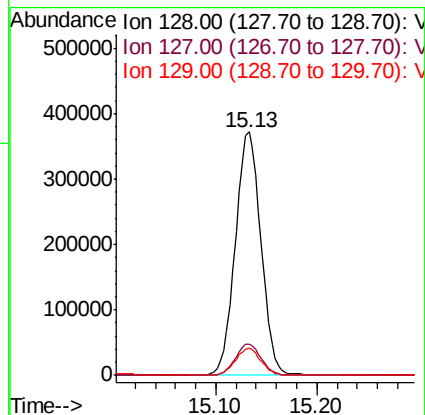
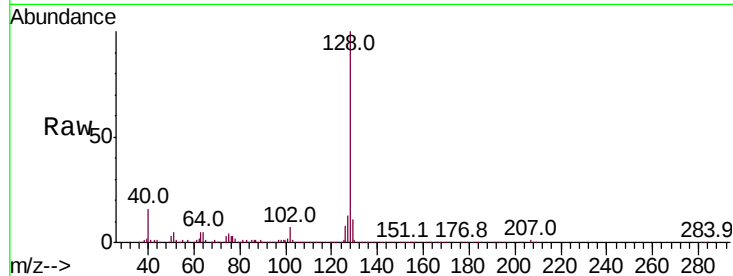
#95
Naphthalene
Concen: 20.684 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0319WBS01

Tot Ion:	128	Resp:	652752
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.1	15.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/20/2019 12:21:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.009 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054438.D
Acq: 19 Mar 2019 14:04

Tgt Ion:	180	Resp:	298302
Ion Ratio	Lower	Upper	
180	100		
182	97.6	47.5	142.6
145	30.1	14.8	44.3

