

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054206.D
 Acq On : 13 Mar 2019 12:36
 Operator : JC/SP
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:11 AM

Quant Time: Mar 14 06:43:52 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	7.66	168	1386216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2134300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1862433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	900734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	747045	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.59	113	681649	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	10.09	98	2479494	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.40	95	850014	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281486	21.426	ug/l	97
3) Chloromethane	2.06	50	256633	20.110	ug/l	98
4) Vinyl Chloride	2.19	62	296295	20.313	ug/l	99
5) Bromomethane	2.58	94	212817	21.066	ug/l	98
6) Chloroethane	2.71	64	174267	19.746	ug/l	100
7) Trichlorofluoromethane	3.03	101	389210	20.070	ug/l	99
8) Diethyl Ether	3.41	74	189277	21.418	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	313660	21.584	ug/l	97
10) Methyl Iodide	3.94	142	350963	17.994	ug/l	100
11) Tert butyl alcohol	4.82	59	93134	92.282	ug/l	99
12) 1,1-Dichloroethene	3.73	96	308089	21.393	ug/l	99
13) Acrolein	3.61	56	81324	85.037	ug/l	96
14) Allyl chloride	4.32	41	375094	20.300	ug/l	99
15) Acrylonitrile	5.00	53	431283	104.033	ug/l	99
16) Acetone	3.82	43	381596	90.530	ug/l	99
17) Carbon Disulfide	4.04	76	707914	19.609	ug/l	100
18) Methyl Acetate	4.33	43	188285	22.079	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	750031	21.011	ug/l	99
20) Methylene Chloride	4.54	84	294273	21.262	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	290275	21.037	ug/l	99
22) Diisopropyl ether	5.96	45	771522	20.921	ug/l	99
23) Vinyl Acetate	5.90	43	2790159	102.617	ug/l	100
24) 1,1-Dichloroethane	5.85	63	497040	20.991	ug/l	99
25) 2-Butanone	6.85	43	500878	101.243	ug/l	99
26) 2,2-Dichloropropane	6.82	77	402237	19.317	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	329456	21.402	ug/l	99
28) Bromochloromethane	7.19	49	195064	20.151	ug/l	100
29) Tetrahydrofuran	7.22	42	327291	102.892	ug/l	100
30) Chloroform	7.37	83	524898	21.244	ug/l	100
31) Cyclohexane	7.65	56	462445	20.157	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	465078	20.842	ug/l	99
36) 1,1-Dichloropropene	7.79	75	390892	19.888	ug/l	98
37) Ethyl Acetate	6.93	43	228557	20.238	ug/l	98
38) Carbon Tetrachloride	7.77	117	396612	19.242	ug/l	99

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 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	492476	20.364	ug/l	99
40) Benzene	8.04	78	1162492	20.668	ug/l	100
41) Methacrylonitrile	7.18	41	123313	19.123	ug/l	96
42) 1,2-Dichloroethane	8.12	62	393934	20.745	ug/l	100
43) Isopropyl Acetate	8.17	43	381095	19.225	ug/l	99
44) Trichloroethene	8.83	130	359784	20.592	ug/l	98
45) 1,2-Dichloropropane	9.12	63	293804	21.037	ug/l	100
46) Dibromomethane	9.21	93	196418	20.815	ug/l	99
47) Bromodichloromethane	9.40	83	382134	20.200	ug/l	100
48) Methyl methacrylate	9.20	41	208982	20.773	ug/l	99
49) 1,4-Dioxane	9.20	88	57240	402.255	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1055548	100.618	ug/l	99
52) Toluene	10.16	92	739564	20.738	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	376818	18.710	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	435500	19.755	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	272292	20.910	ug/l	99
56) Ethyl methacrylate	10.43	69	316498	20.384	ug/l	100
57) 1,3-Dichloropropane	10.71	76	435596	20.458	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	568276	95.510	ug/l	100
59) 2-Hexanone	10.75	43	677832	97.104	ug/l	99
60) Dibromochloromethane	10.90	129	281366	19.197	ug/l	99
61) 1,2-Dibromoethane	11.01	107	269874	20.394	ug/l	99
64) Tetrachloroethene	10.63	164	366134	20.333	ug/l	98
65) Chlorobenzene	11.43	112	848731	20.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	299635	20.170	ug/l	100
67) Ethyl Benzene	11.51	91	1383507	20.409	ug/l	99
68) m/p-Xylenes	11.62	106	1091010	41.178	ug/l	99
69) o-Xylene	11.95	106	538029	20.831	ug/l	99
70) Styrene	11.96	104	831456	20.526	ug/l	99
71) Bromoform	12.13	173	184436	17.872	ug/l #	98
73) Isopropylbenzene	12.25	105	1429739	19.840	ug/l	100
74) N-amyl acetate	12.07	43	306117	19.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	299823	19.528	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	276640m	20.885	ug/l	
77) Bromobenzene	12.53	156	378618	19.855	ug/l	97
78) n-propylbenzene	12.59	91	1556301	19.903	ug/l	100
79) 2-Chlorotoluene	12.67	91	929926	19.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1185047	19.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60388	15.585	ug/l	87
82) 4-Chlorotoluene	12.77	91	932342	19.859	ug/l	100
83) tert-Butylbenzene	12.99	119	1089485	19.747	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1184736	20.146	ug/l	99
85) sec-Butylbenzene	13.17	105	1417849	19.816	ug/l	100
86) p-Isopropyltoluene	13.29	119	1258889	20.055	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660403	20.553	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	626468	19.846	ug/l	99
89) n-Butylbenzene	13.62	91	975266	20.448	ug/l	100
90) Hexachloroethane	13.87	117	180837	17.398	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	641279	20.415	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44013	18.525	ug/l	98

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ClientSampleId :
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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	331889	19.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	250436	20.931	ug/l	99
95) Naphthalene	15.13	128	643711	18.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349423	20.936	ug/l	100

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

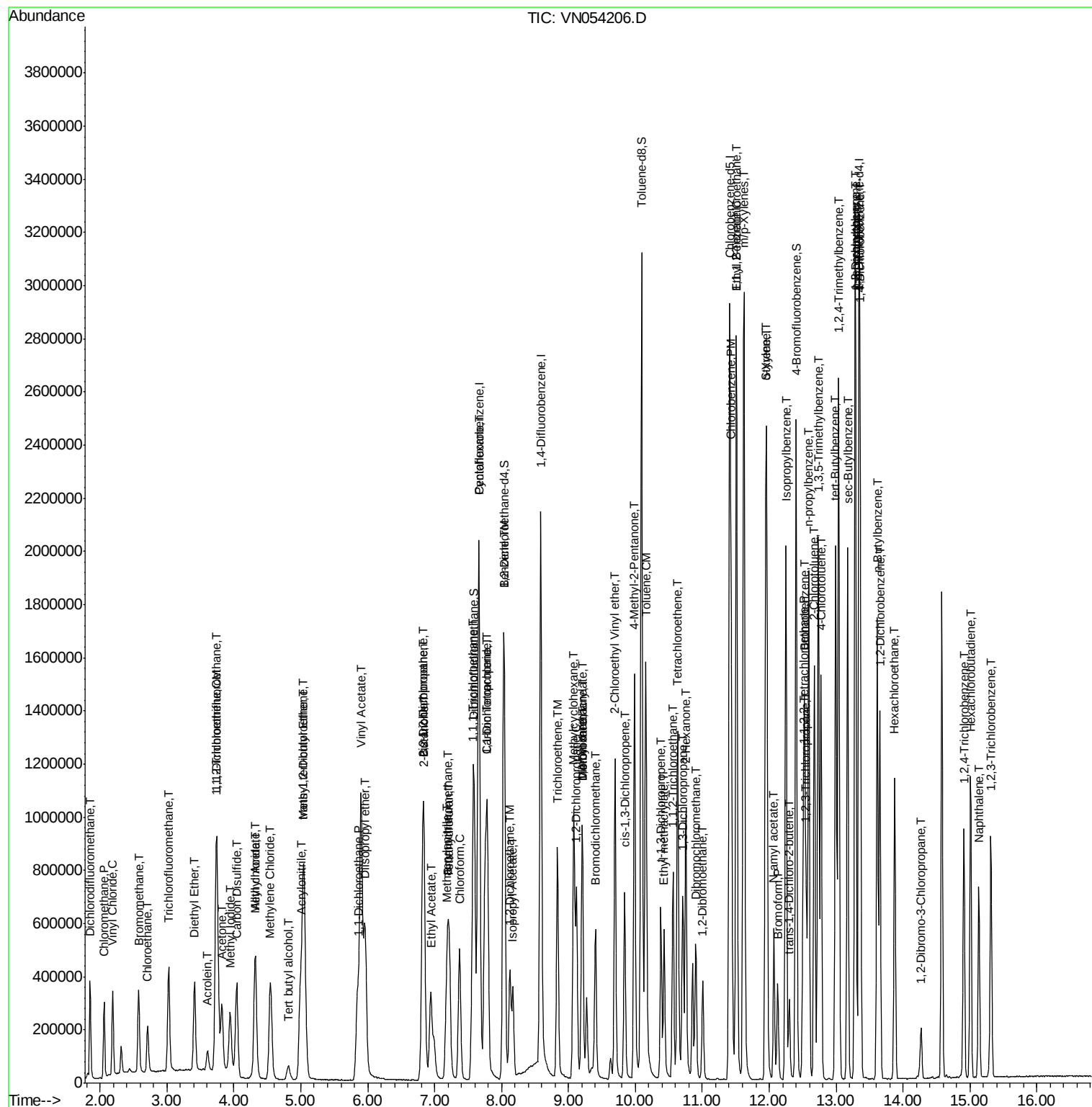
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
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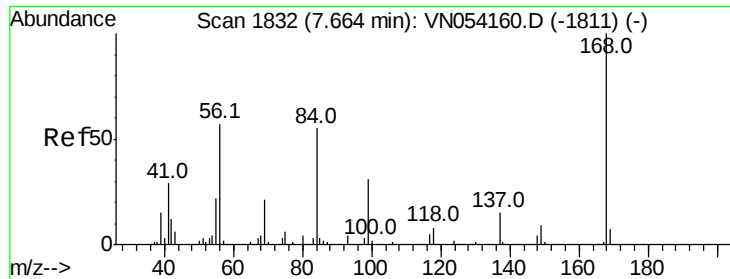
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0313WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:168 Resp: 1386216

Ion Ratio Lower Upper

168 100

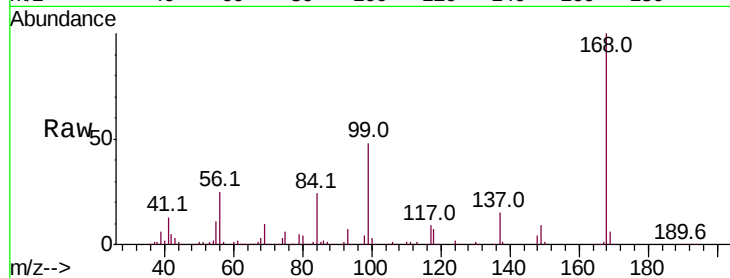
99 46.6 37.1 55.7

Manual Integrations

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3/14/2019 10:27:11 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

600000

500000

400000

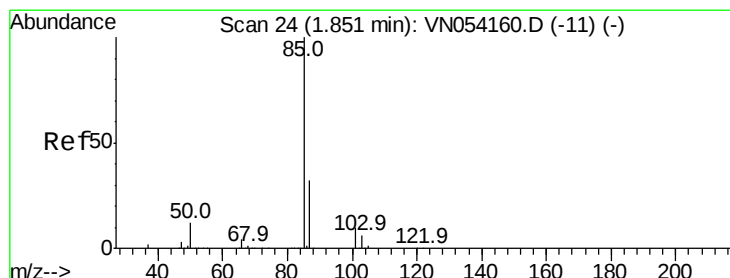
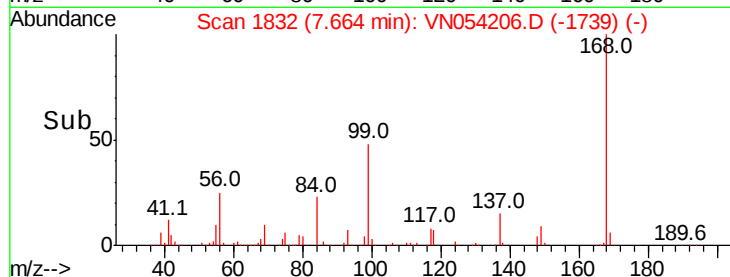
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.426 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054206.D

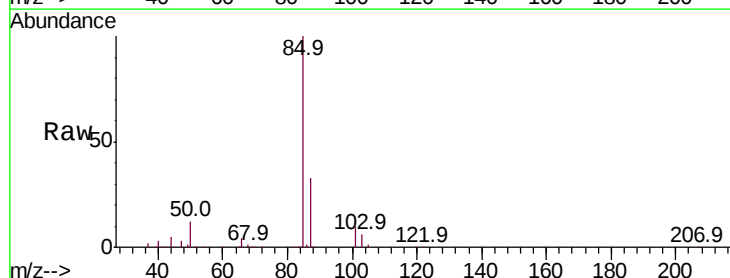
Acq: 13 Mar 2019 12:36

Tgt Ion: 85 Resp: 281486

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

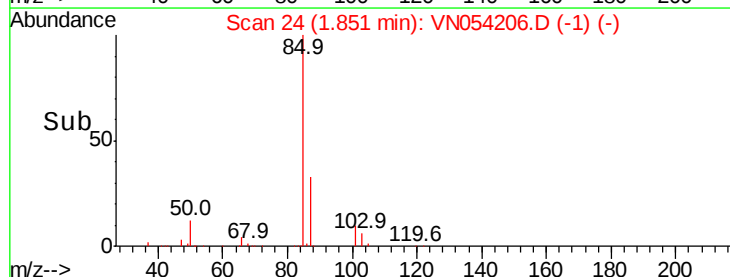
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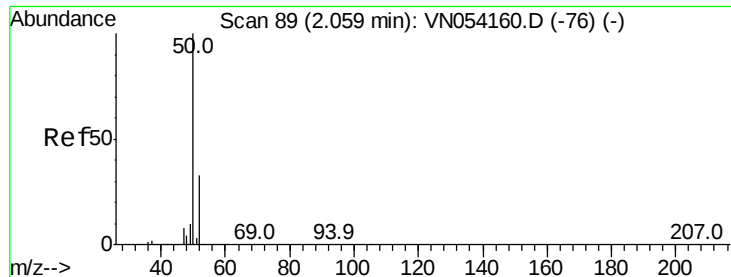
100000

50000

0

Time-->





#3

Chloromethane

Concen: 20.110 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 50 Resp: 256633

Ion Ratio Lower Upper

50 100

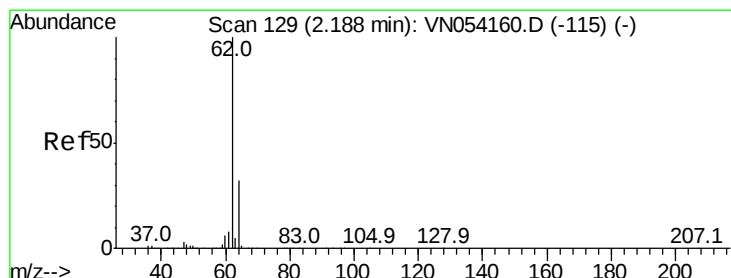
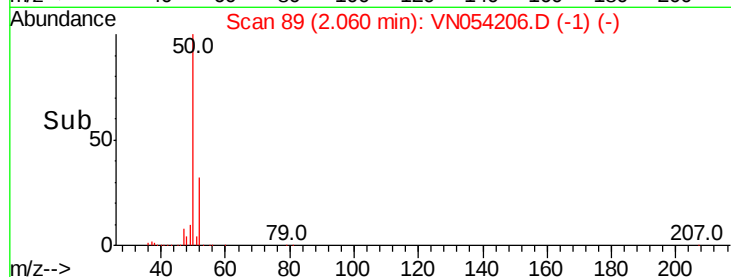
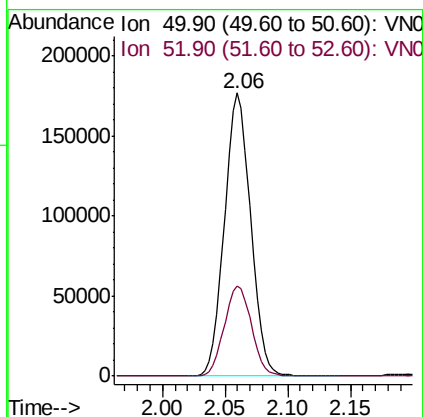
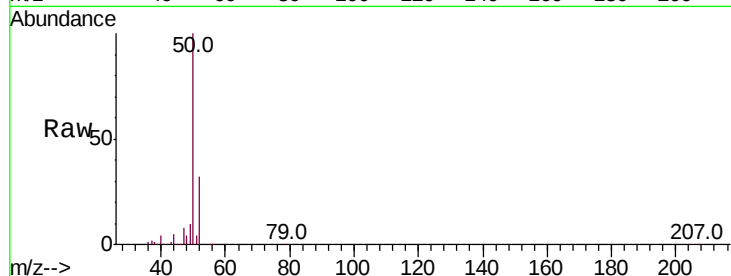
52 31.8 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.313 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054206.D

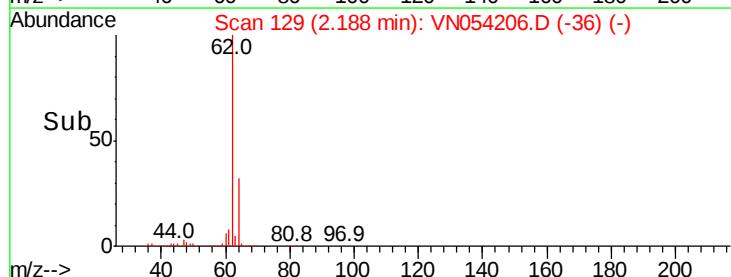
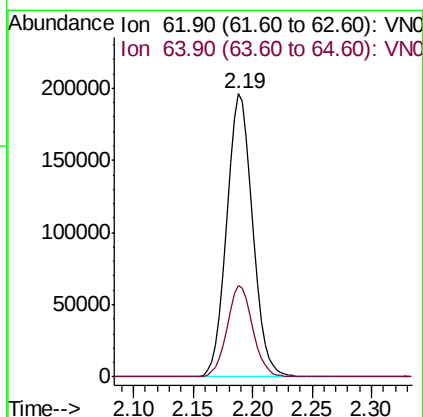
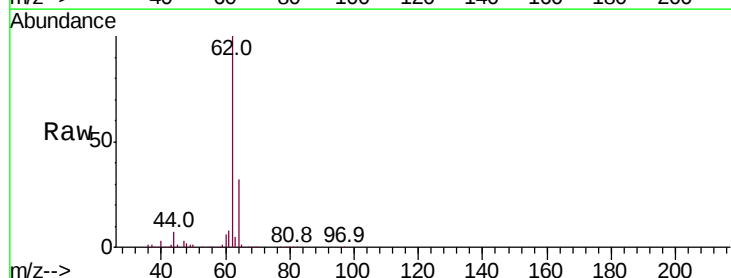
Acq: 13 Mar 2019 12:36

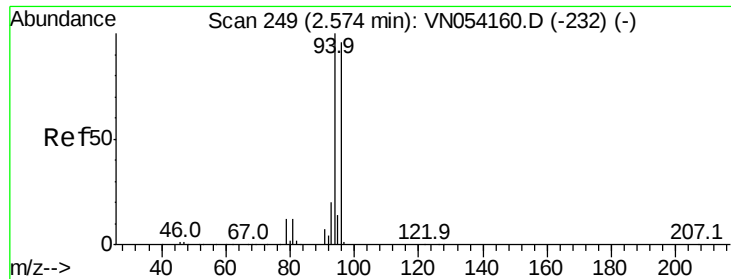
Tgt Ion: 62 Resp: 296295

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 21.066 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 94 Resp: 212817

Ion Ratio Lower Upper

94 100

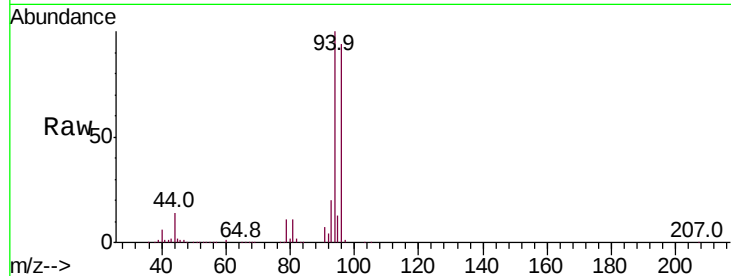
96 94.3 77.0 115.4

Manual Integrations

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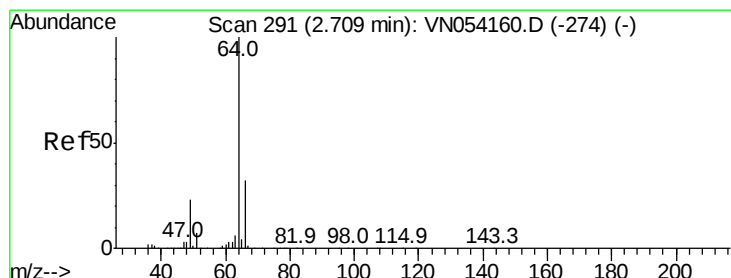
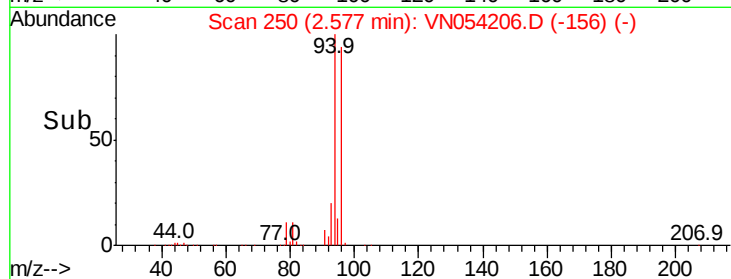
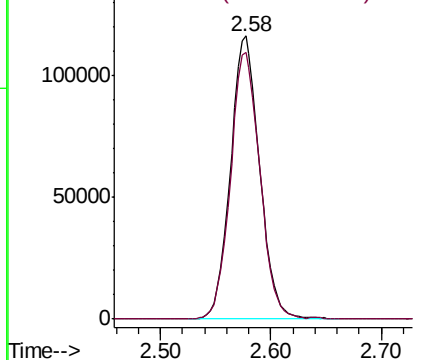
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.746 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054206.D

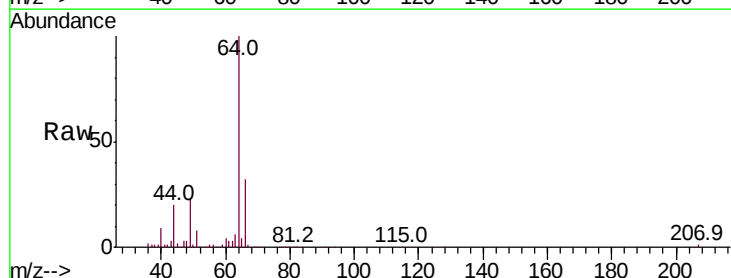
Acq: 13 Mar 2019 12:36

Tgt Ion: 64 Resp: 174267

Ion Ratio Lower Upper

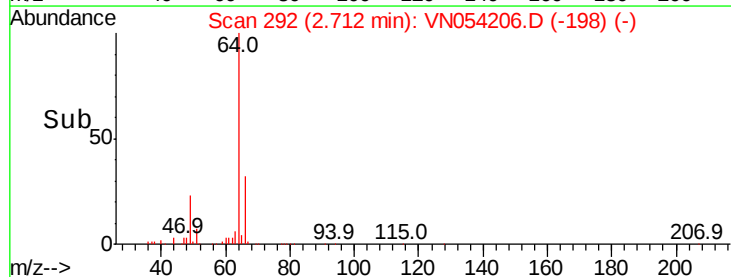
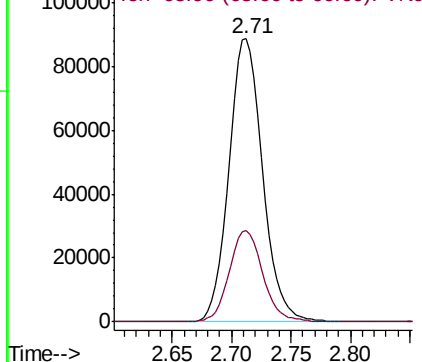
64 100

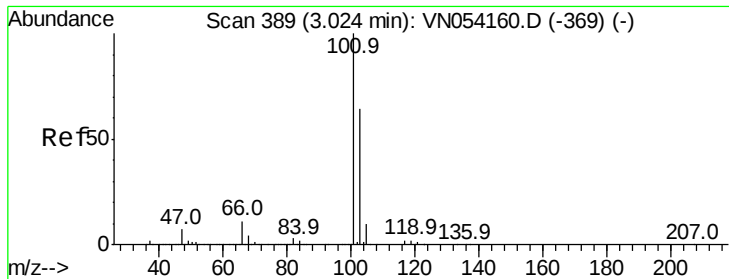
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

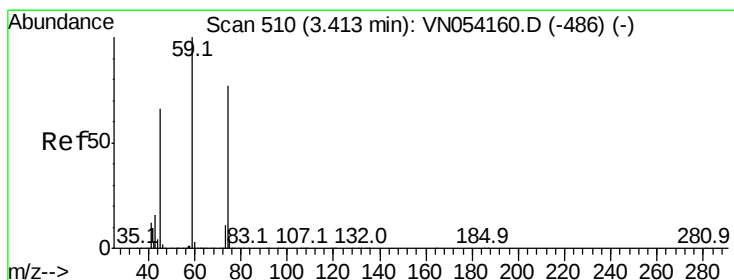
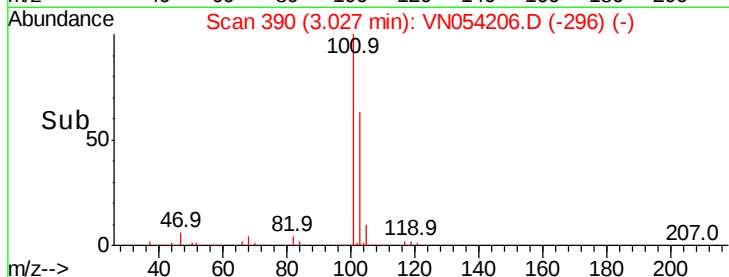
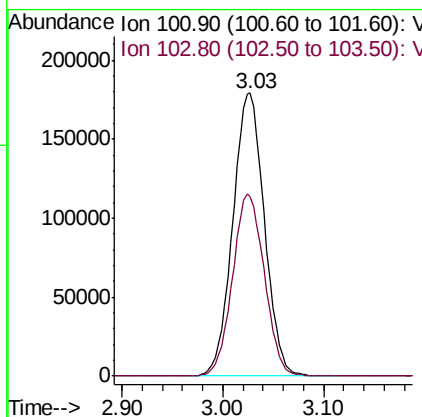
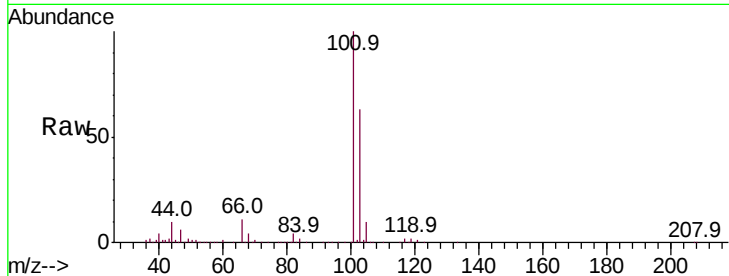
Trichlorofluoromethane
Concen: 20.070 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
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ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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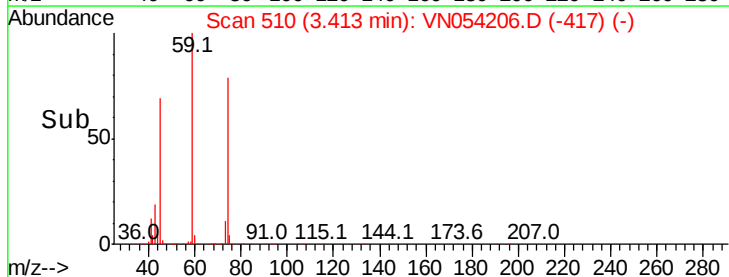
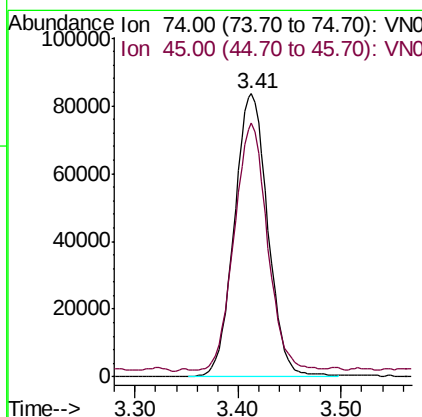
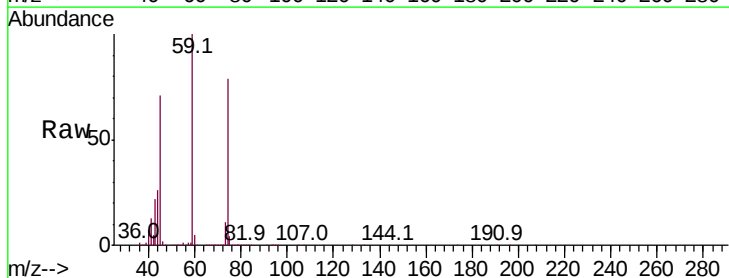
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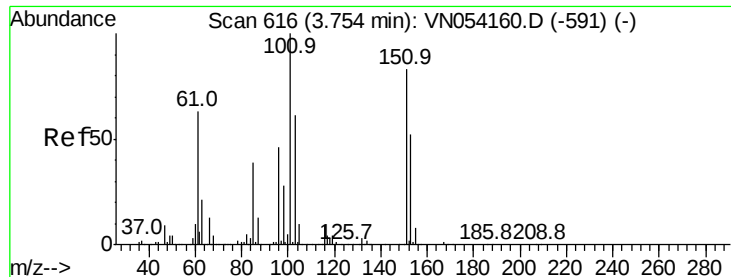


#8

Diethyl Ether
Concen: 21.418 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.3	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.584 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

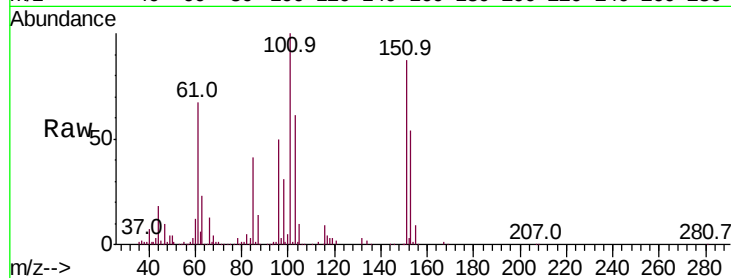
ClientSampled :

VN0313WBS01

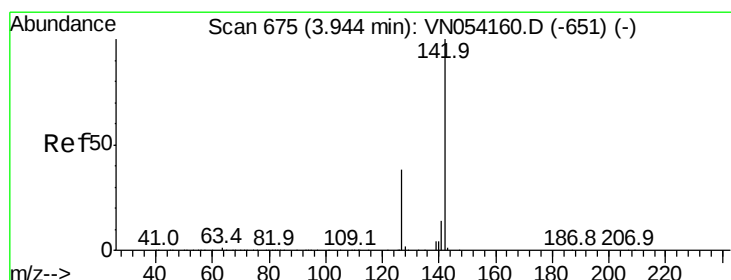
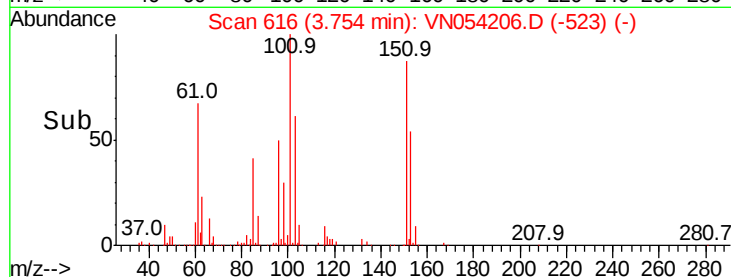
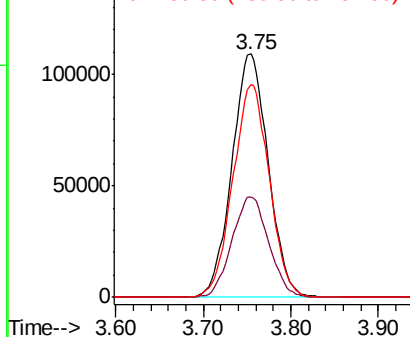
Tot Ion:	101	Resp:	313660
Ion Ratio	Lower	Upper	
101	100		
85	41.9	32.4	48.6
151	87.8	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
150000
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.994 ug/l

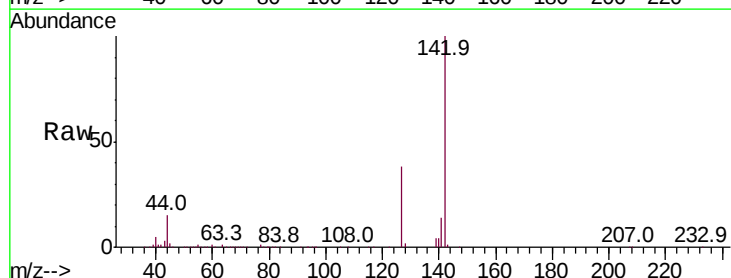
RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

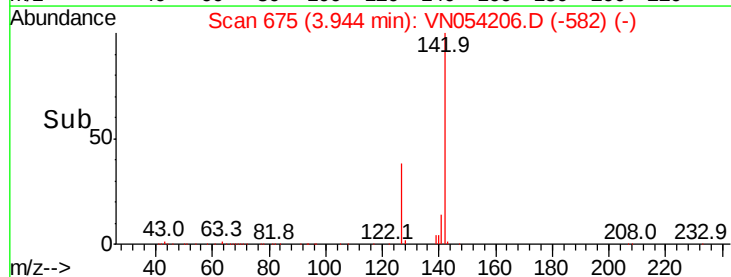
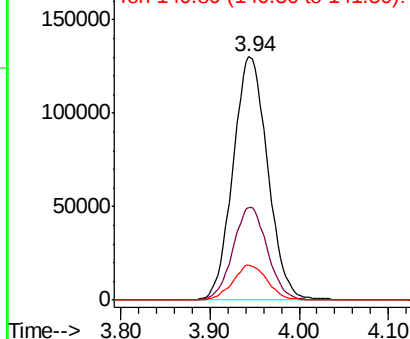
Lab File: VN054206.D

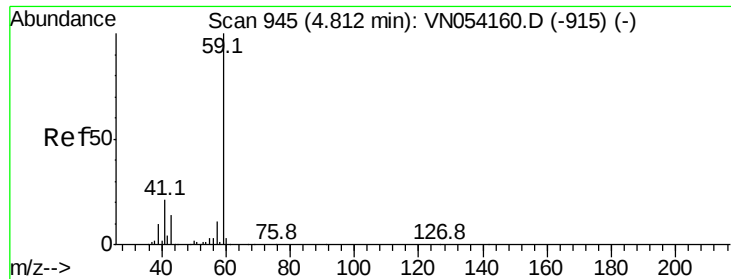
Acq: 13 Mar 2019 12:36

Tgt Ion:	142	Resp:	350963
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.3	45.5
141	14.4	11.2	16.8



Abundance Ion 141.80 (141.50 to 142.50): V
150000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

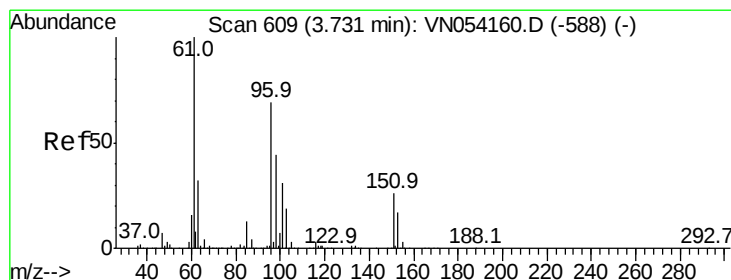
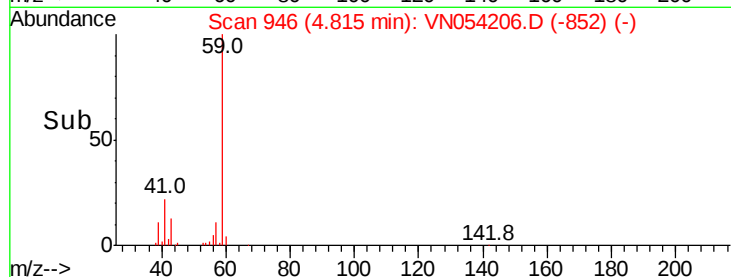
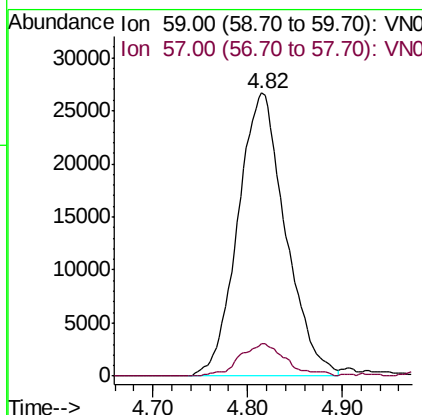
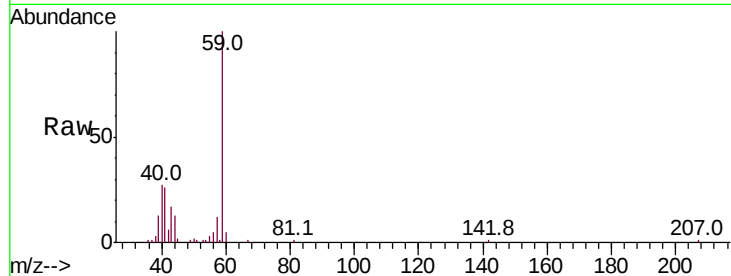
Tert butyl alcohol
 Concen: 92.282 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	59	Resp	93134
Ion Ratio	100	Lower	Upper
59	100		
57	11.0	9.0	13.6

Manual Integrations
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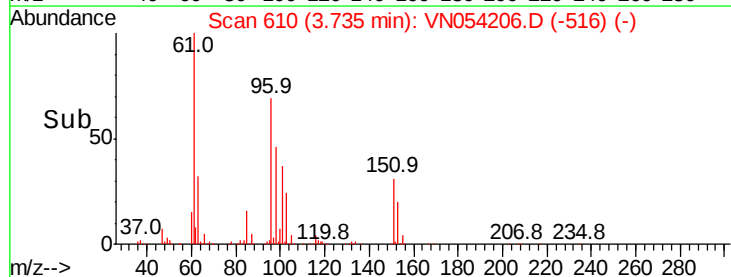
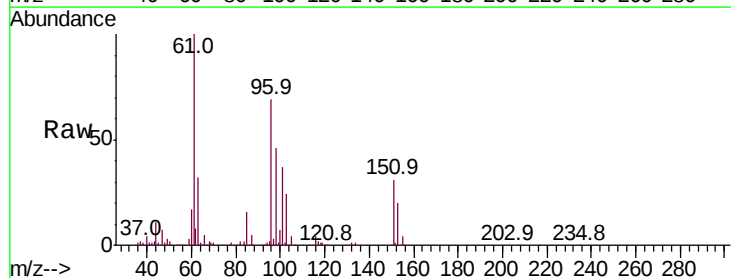
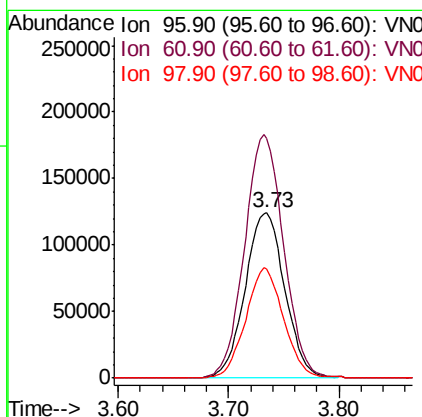
MMDadoda
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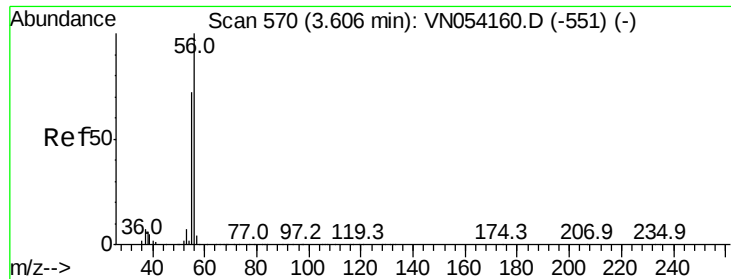


#12

1,1-Dichloroethene
 Concen: 21.393 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion	96	Resp	308089
Ion Ratio	100	Lower	Upper
96	100		
61	145.0	116.5	174.7
98	66.1	51.0	76.4





#13

Acrolein

Concen: 85.037 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 56 Resp: 81324

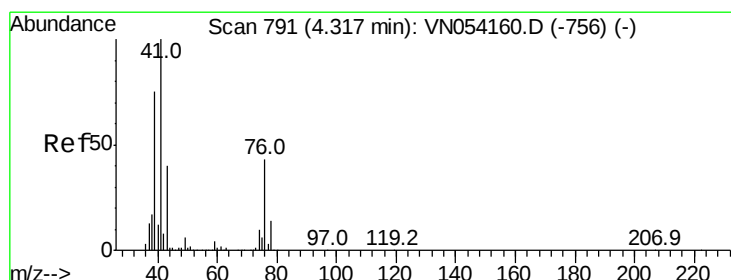
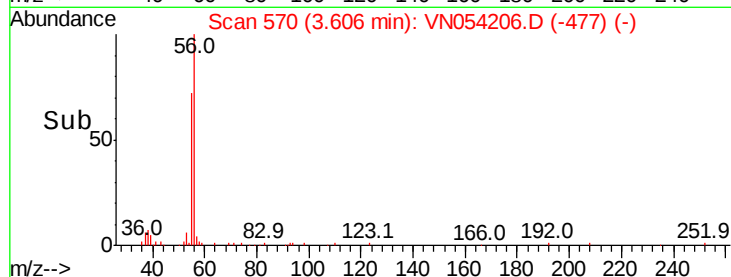
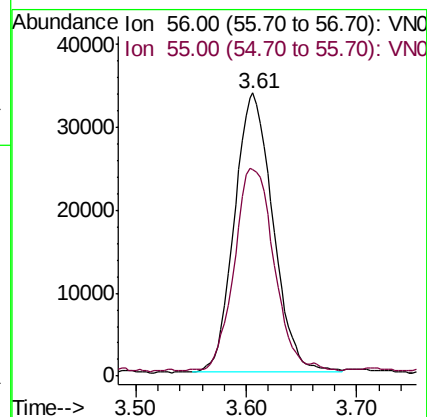
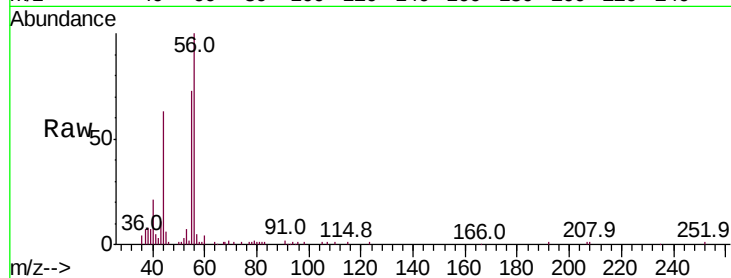
Ion Ratio Lower Upper

56 100

55 74.1 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 20.300 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

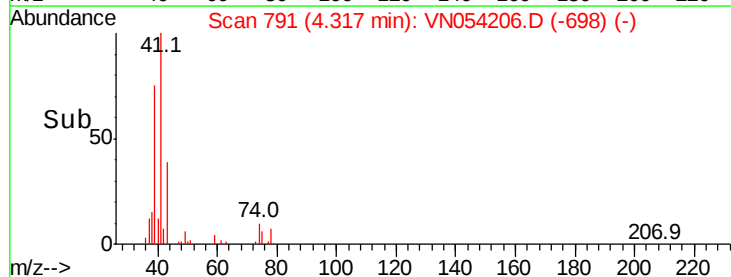
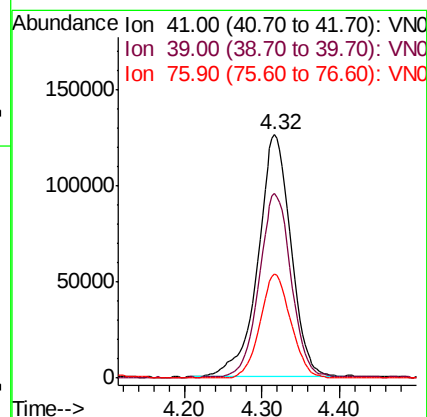
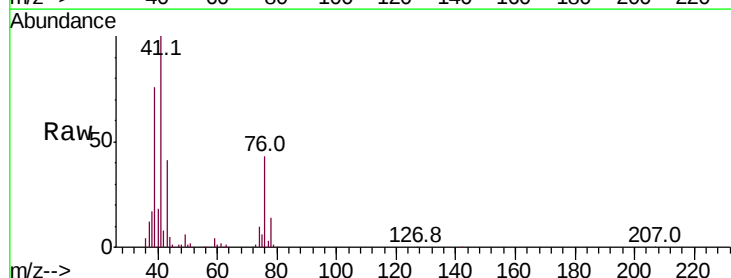
Tgt Ion: 41 Resp: 375094

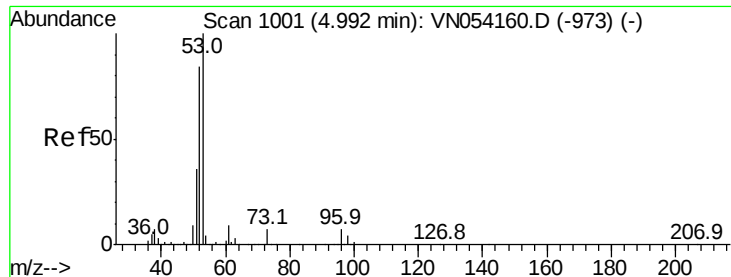
Ion Ratio Lower Upper

41 100

39 73.4 58.2 87.4

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 104.033 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

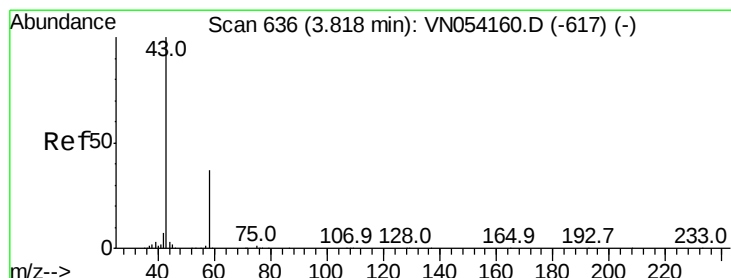
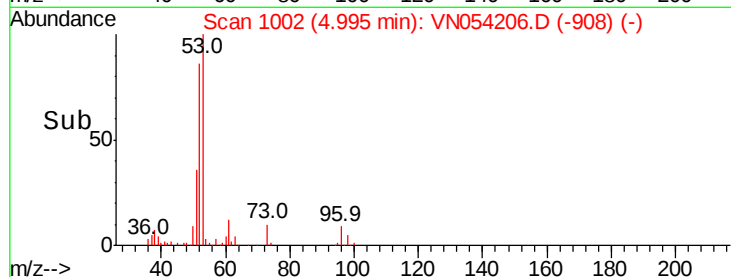
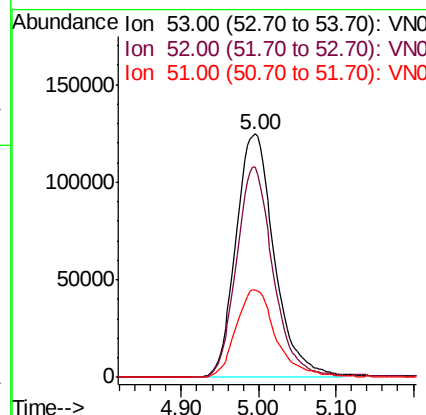
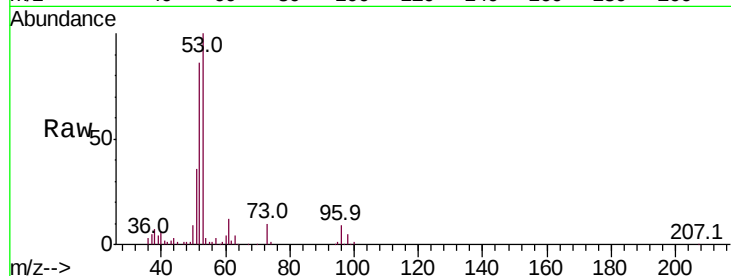
ClientSampleId :

VN0313WBS01

Tot Ion:	53	Resp:	431283
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.4	99.6
51	37.4	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 90.530 ug/l

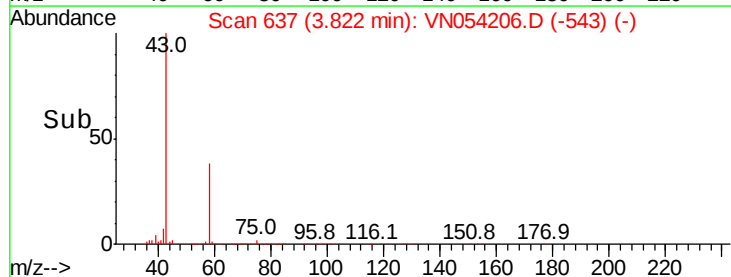
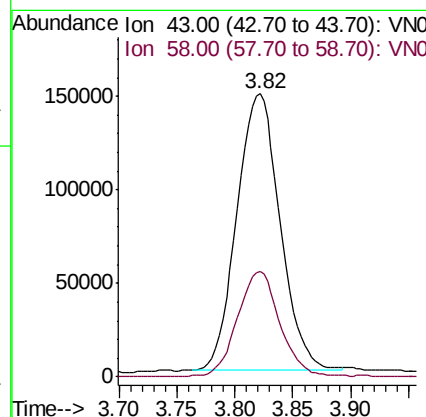
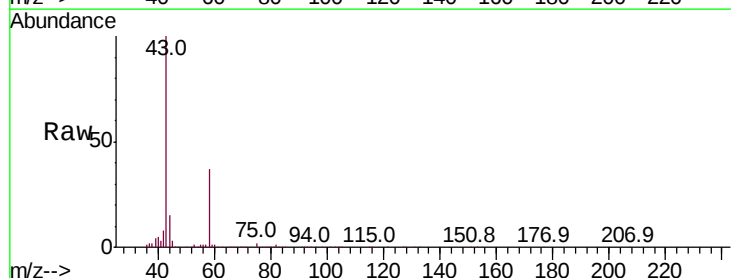
RT: 3.82 min Scan# 637

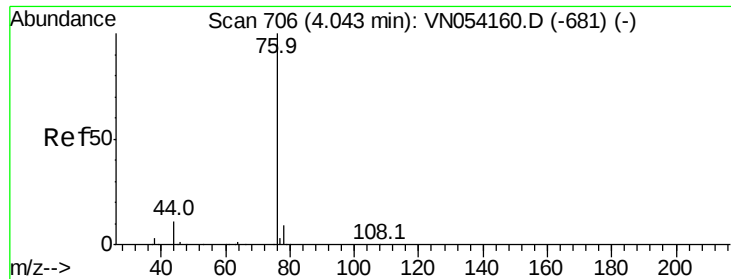
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	43	Resp:	381596
Ion Ratio	Lower	Upper	
43	100		
58	37.8	29.9	44.9





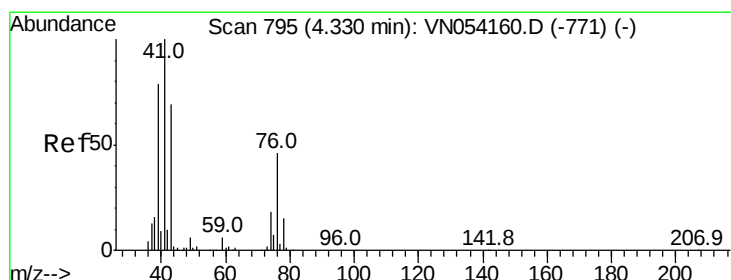
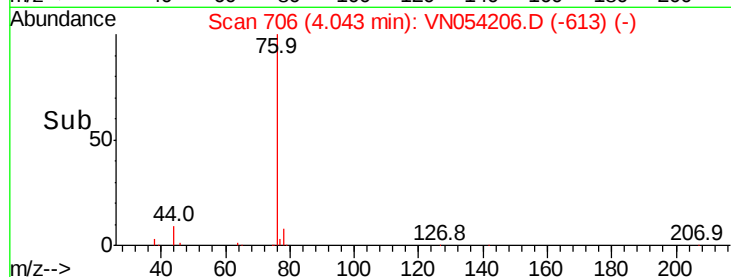
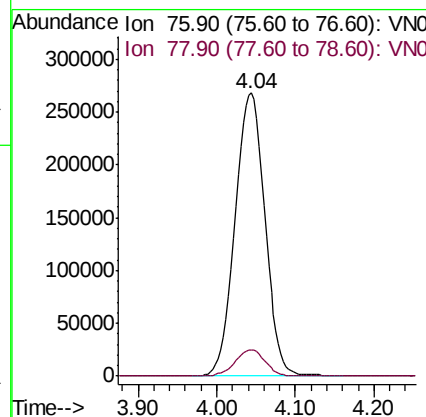
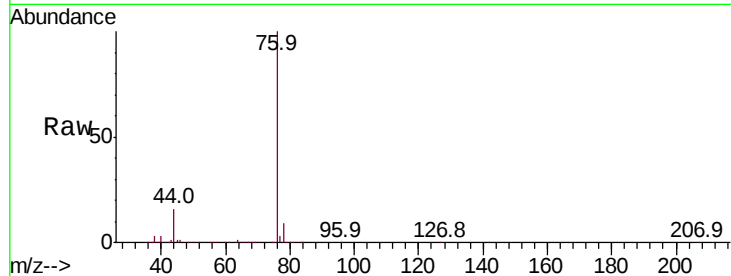
#17
Carbon Disulfide
Concen: 19.609 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

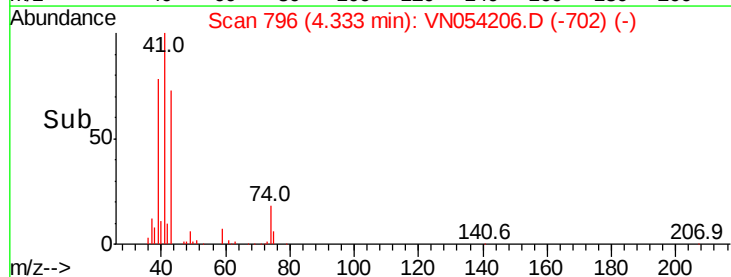
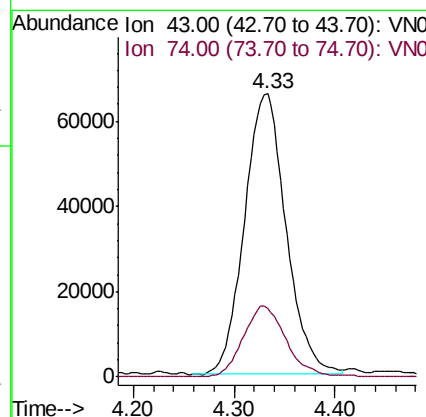
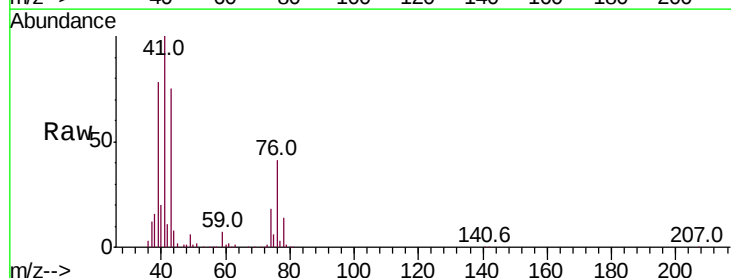
Manual Integrations
APPROVED

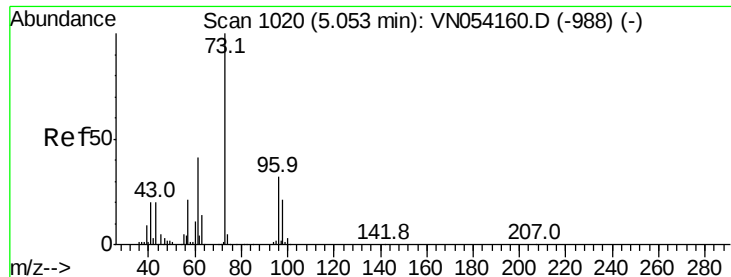
MMDadoda
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#18
Methyl Acetate
Concen: 22.079 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.8	31.2





#19

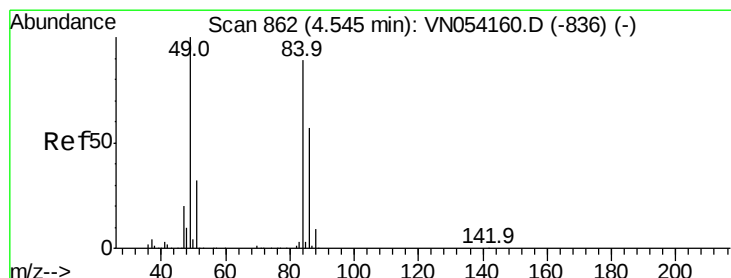
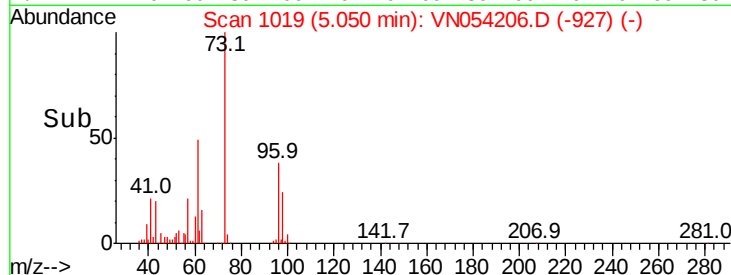
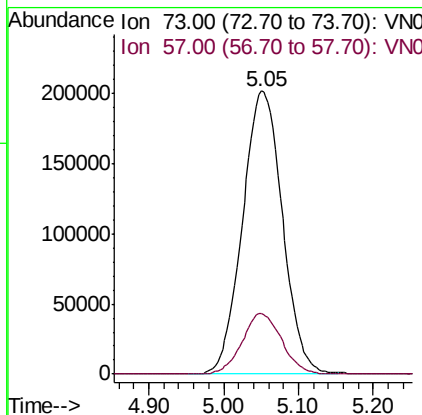
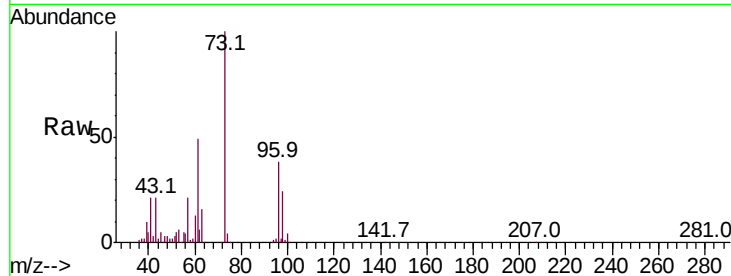
Methyl tert-butyl Ether
 Concen: 21.011 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.8	25.2

Manual Integrations
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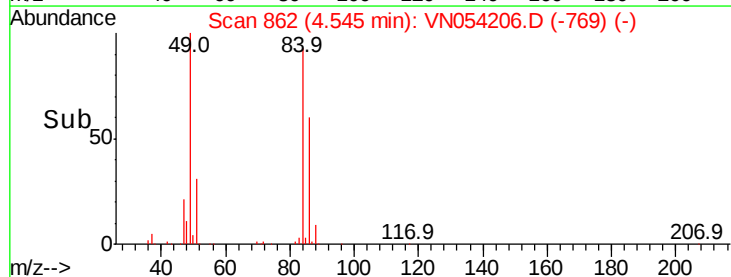
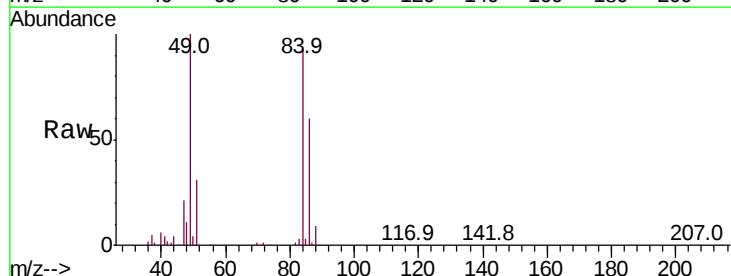
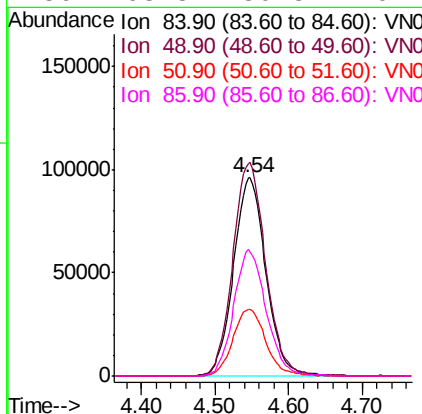
MMDadoda
 3/14/2019 10:27:11 AM

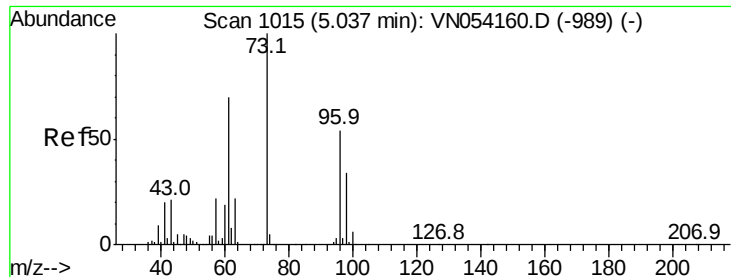


#20

Methylene Chloride
 Concen: 21.262 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.2	89.7	134.5
51	33.5	28.2	42.4
86	63.8	50.8	76.2





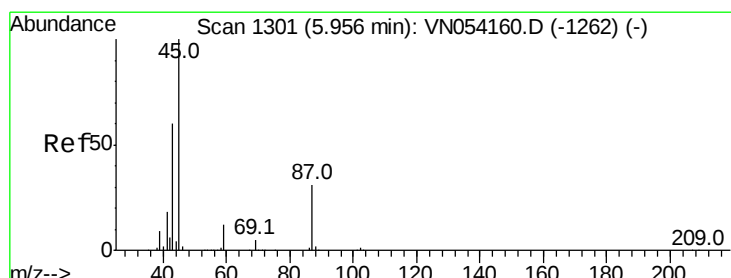
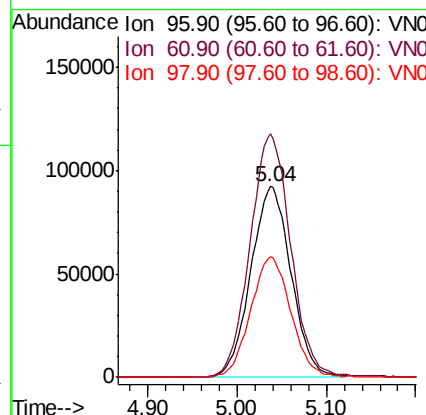
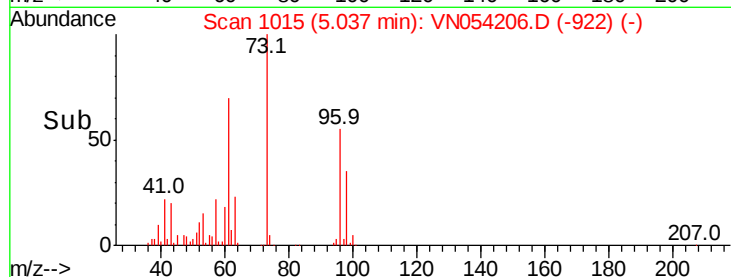
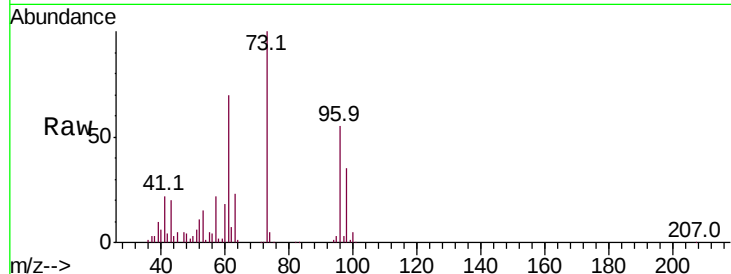
#21
trans-1,2-Dichloroethene
Concen: 21.037 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.5	102.8	154.2
98	63.0	50.0	75.0

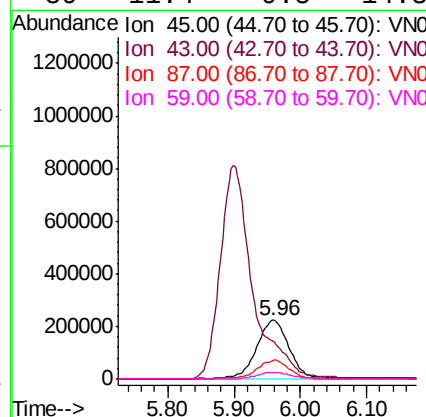
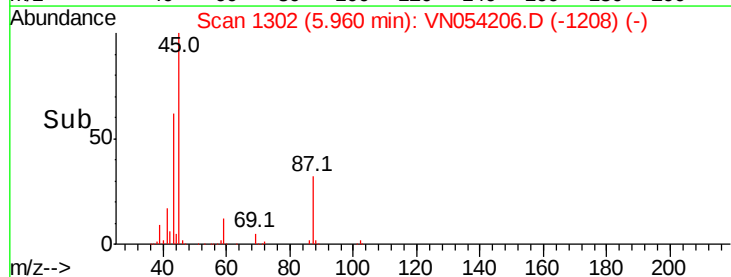
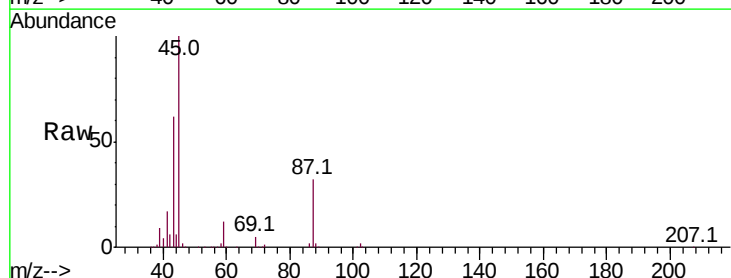
Manual Integrations
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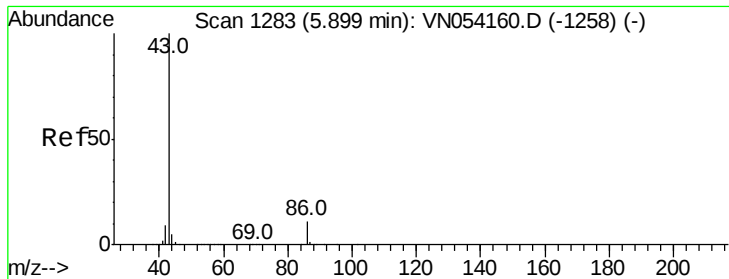
MMDadoda
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#22
Diisopropyl ether
Concen: 20.921 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	48.2	72.2
87	31.2	24.9	37.3
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 102.617 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 43 Resp: 2790159

Ion Ratio Lower Upper

43 100

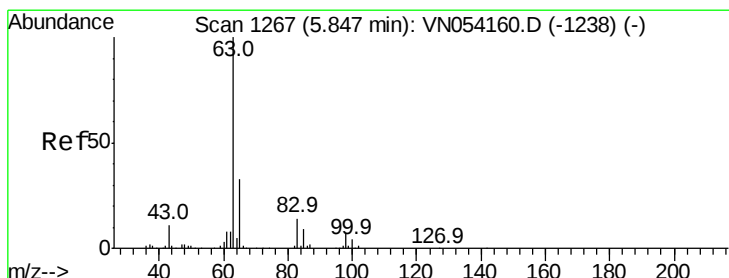
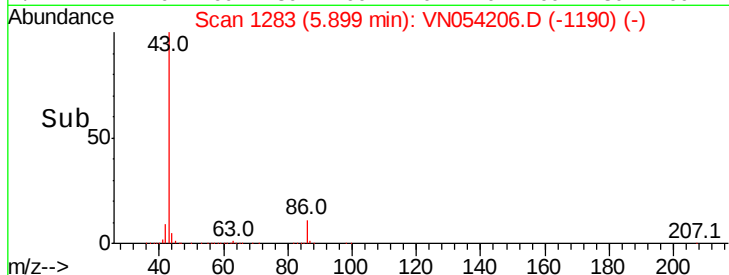
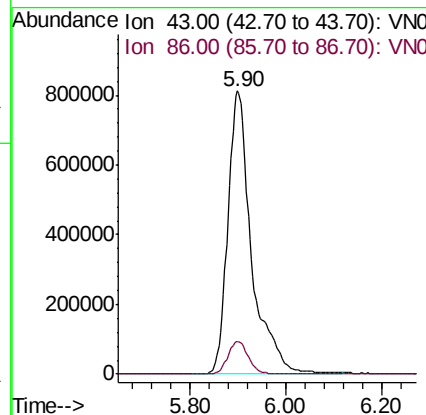
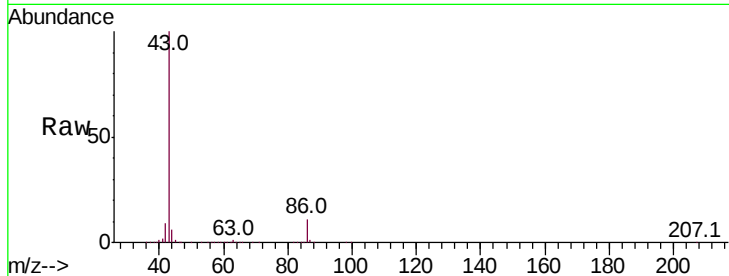
86 11.4 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.991 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

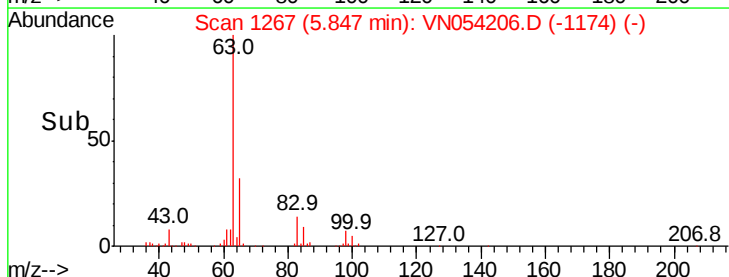
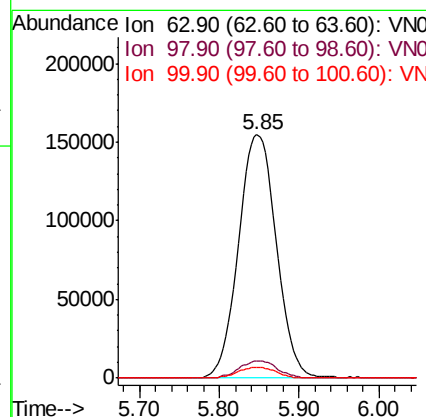
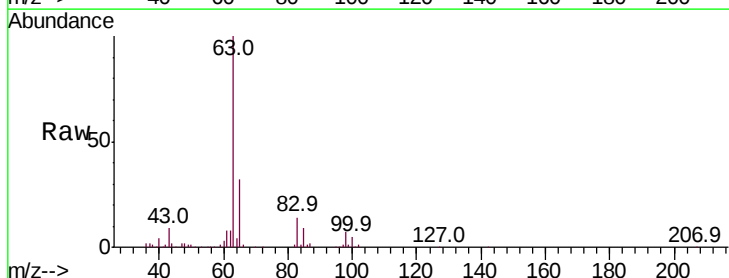
Tgt Ion: 63 Resp: 497040

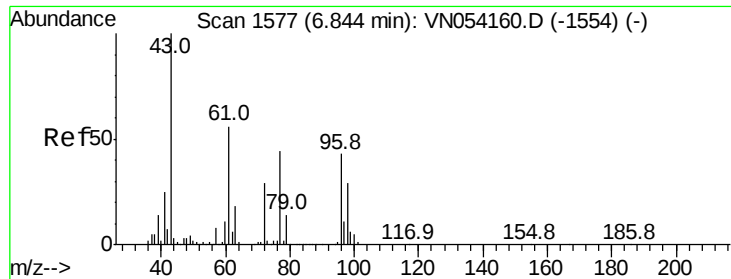
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.6 2.0 6.0





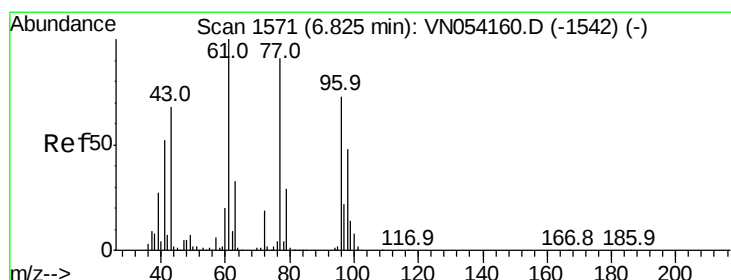
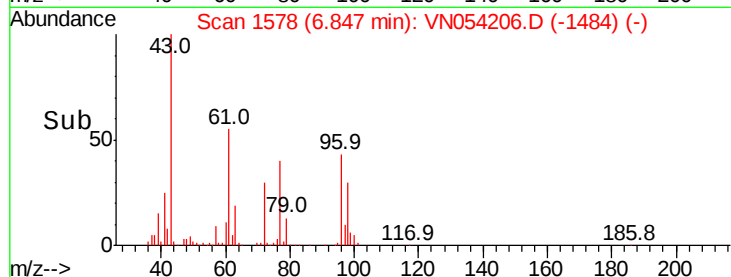
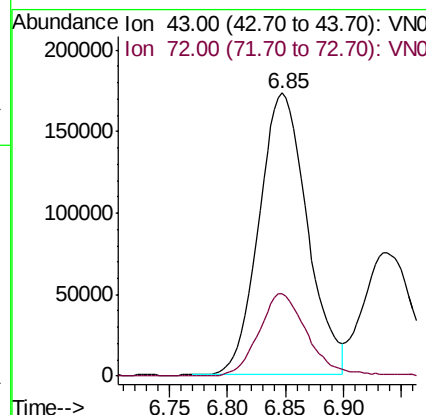
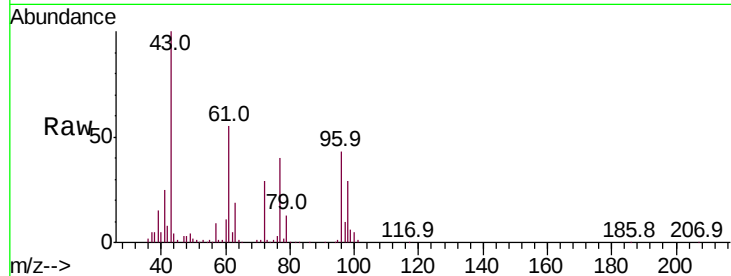
#25
 2-Butanone
 Concen: 101.243 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.0	34.6

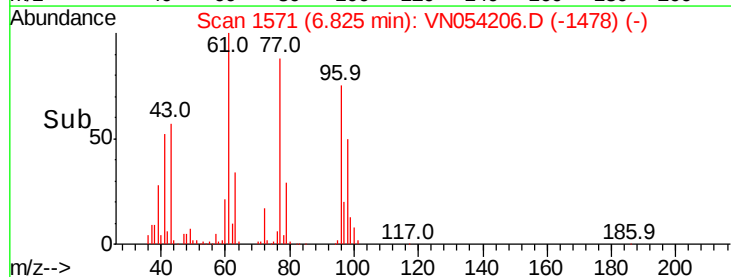
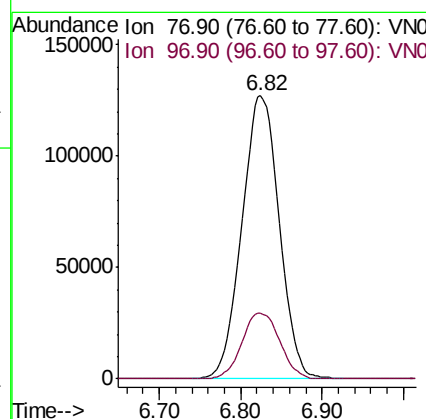
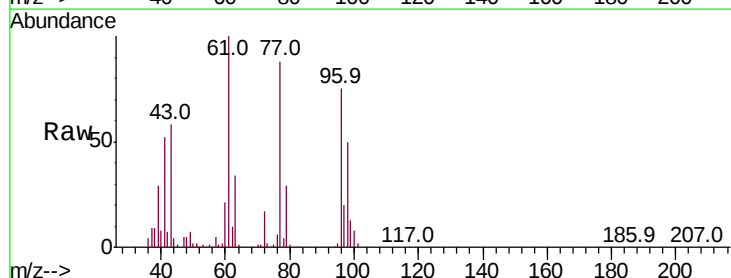
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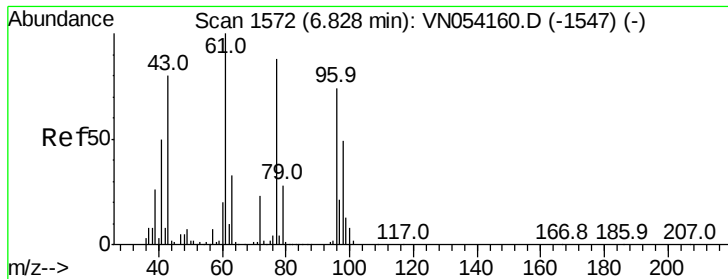
MMDadoda
 3/14/2019 10:27:11 AM



#26
 2,2-Dichloropropane
 Concen: 19.317 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.7	11.9	35.9





#27

cis-1,2-Dichloroethene

Concen: 21.402 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

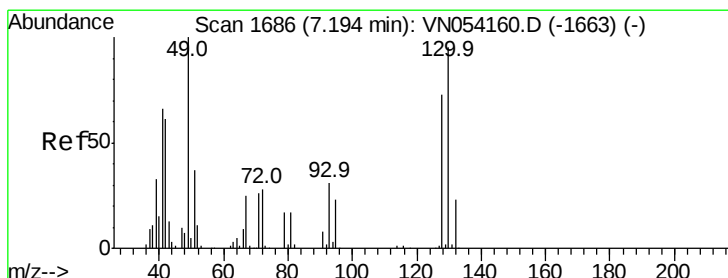
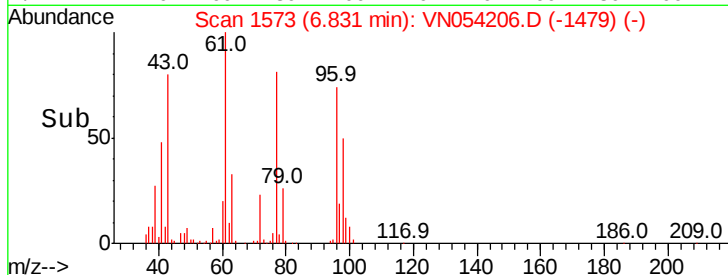
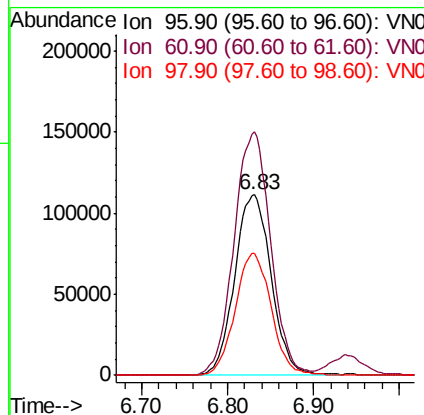
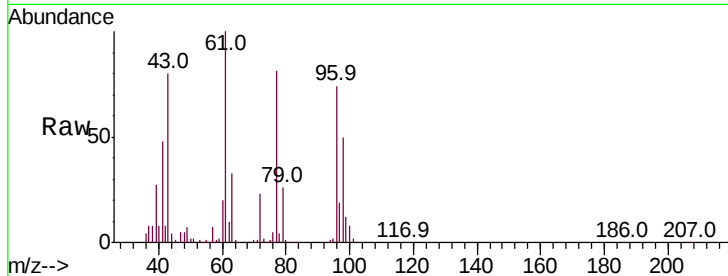
ClientSampleId :

VN0313WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	273.0
98	66.7	0.0	130.6

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#28

Bromochloromethane

Concen: 20.151 ug/l

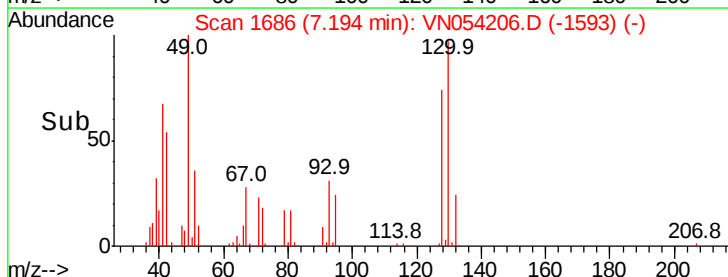
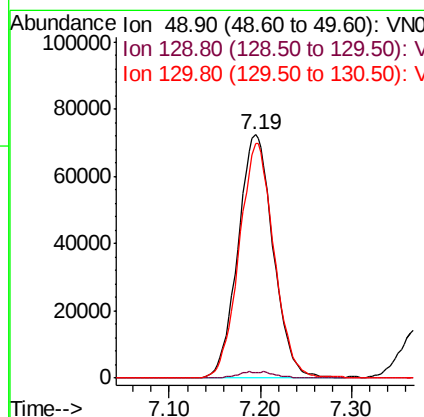
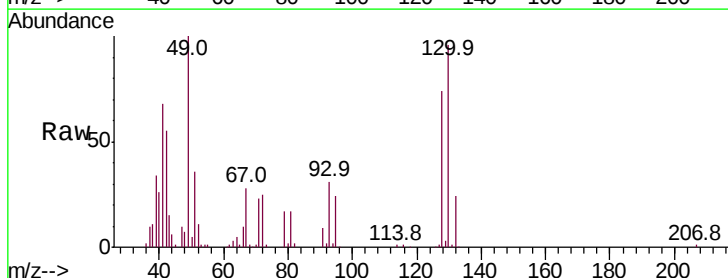
RT: 7.19 min Scan# 1686

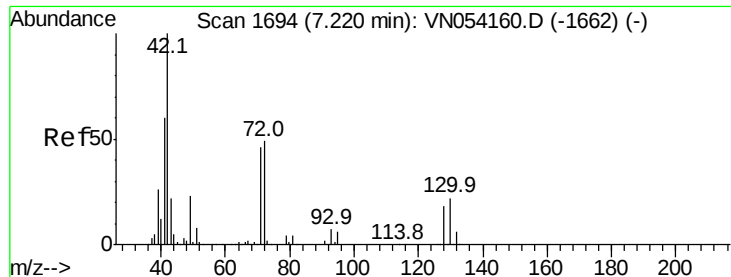
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.6
130	95.5	76.7	115.1





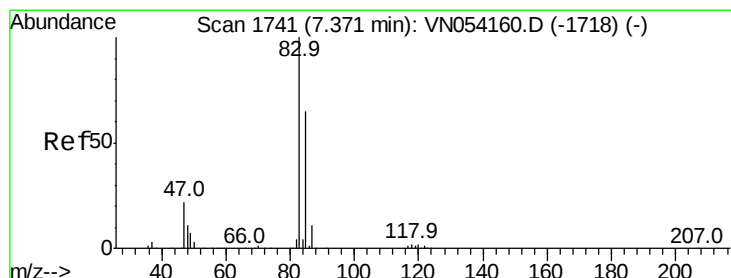
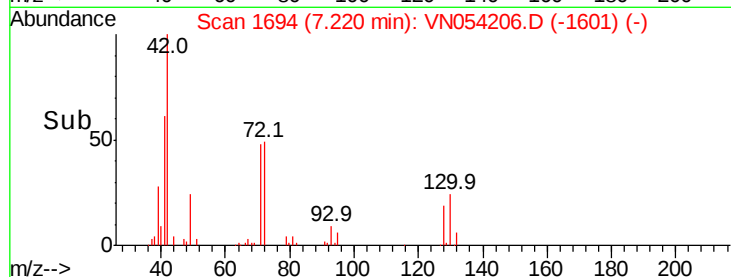
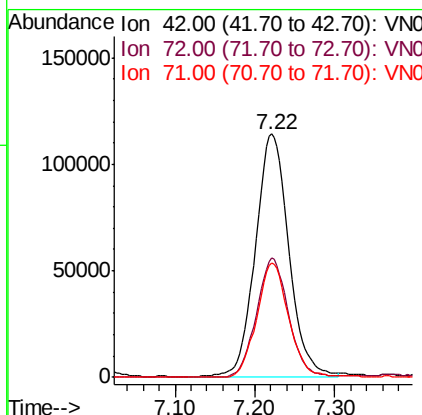
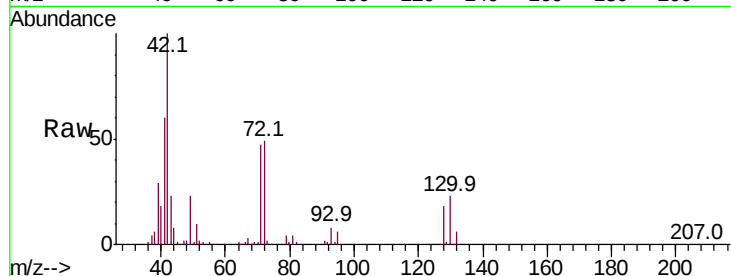
#29
Tetrahydrofuran
Concen: 102.892 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.8	56.6
71	44.9	36.2	54.2

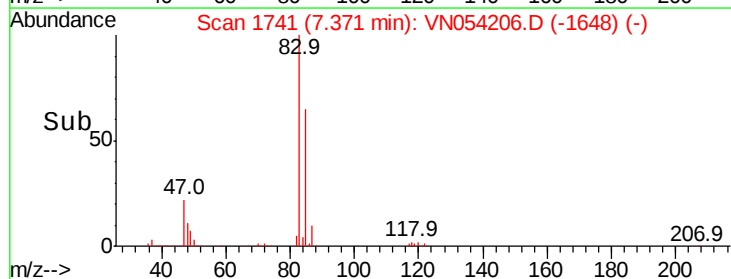
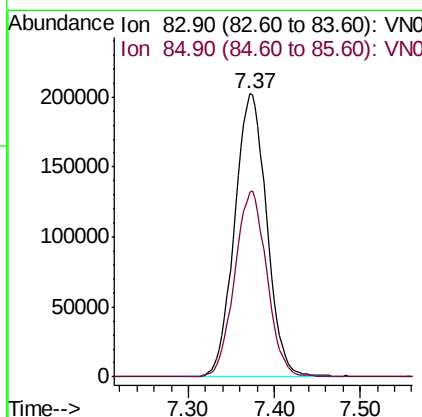
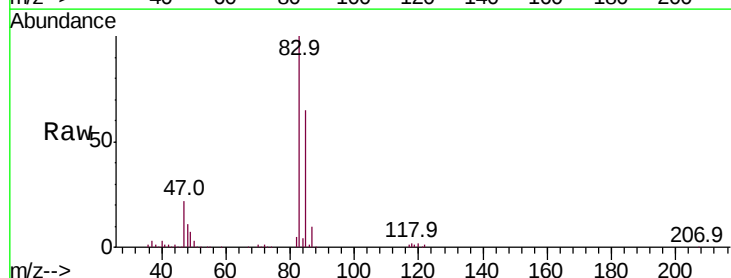
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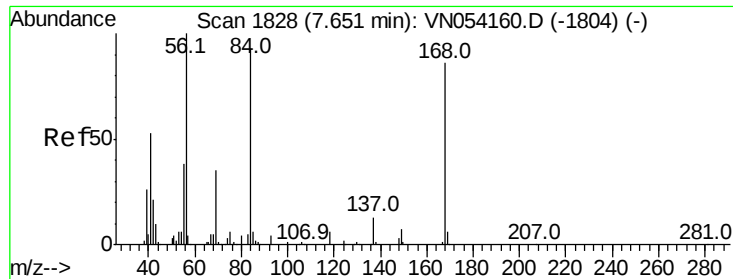
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#30
Chloroform
Concen: 21.244 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.2	78.4





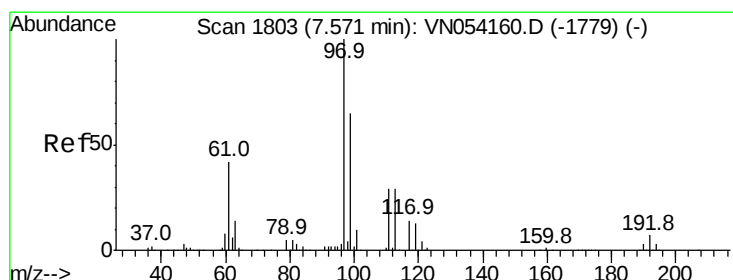
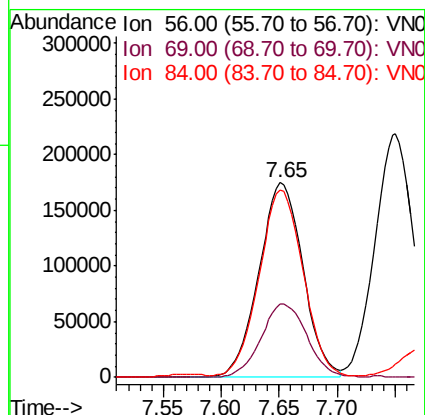
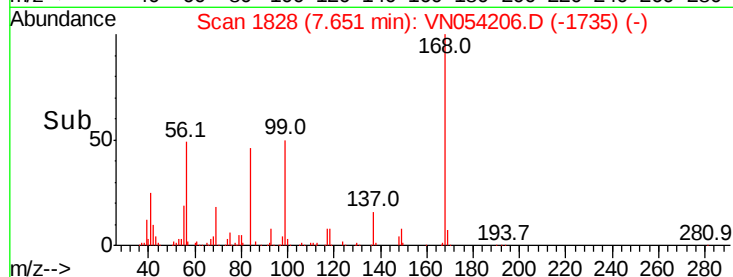
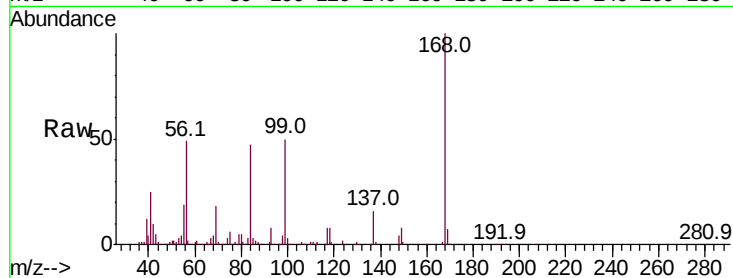
#31
Cyclohexane
Concen: 20.157 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	27.8	41.6
84	94.7	74.6	111.8

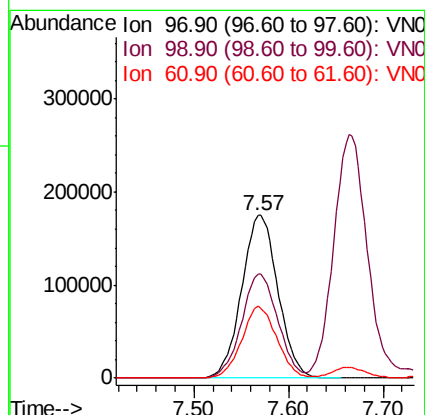
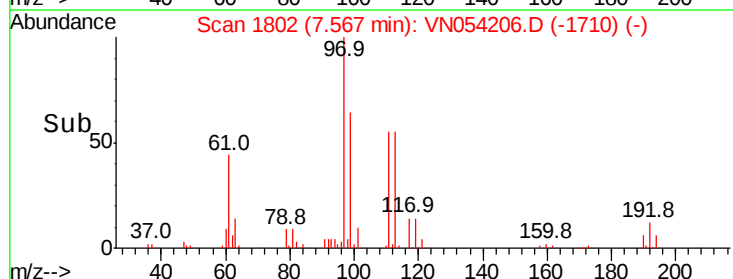
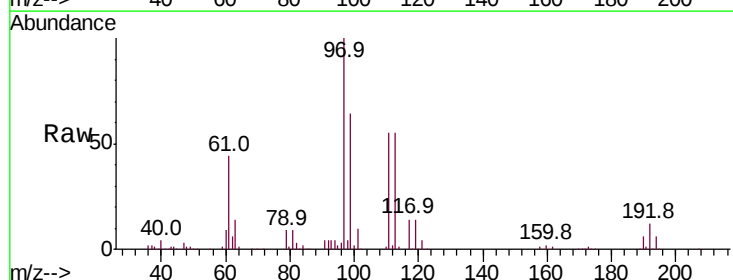
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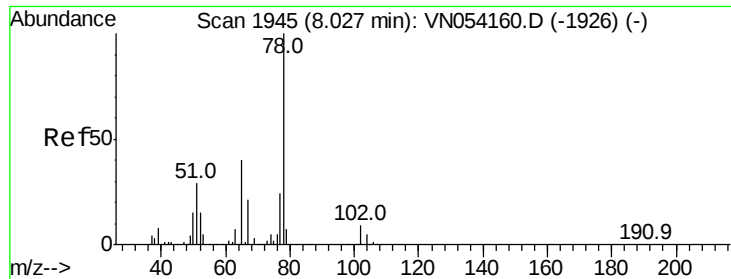
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#32
1,1,1-Trichloroethane
Concen: 20.842 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	42.8	33.6	50.4





#33

1,2-Dichloroethane-d4

Concen: 50.745 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054206.D

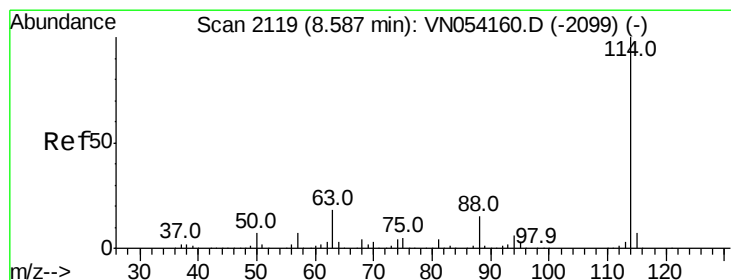
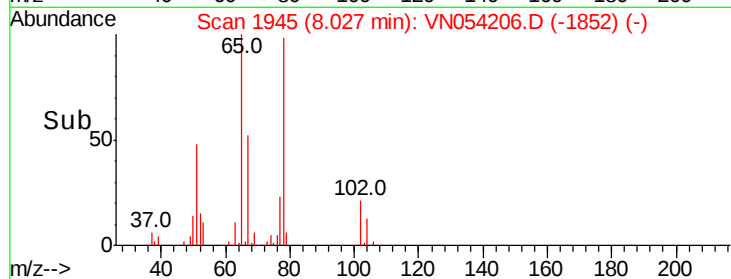
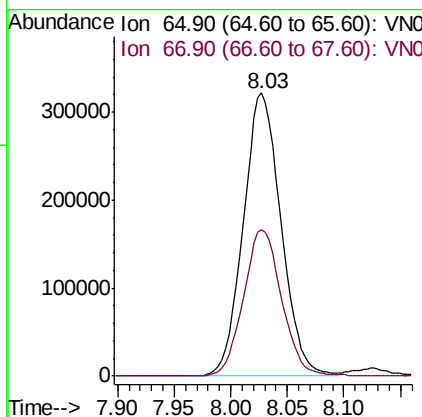
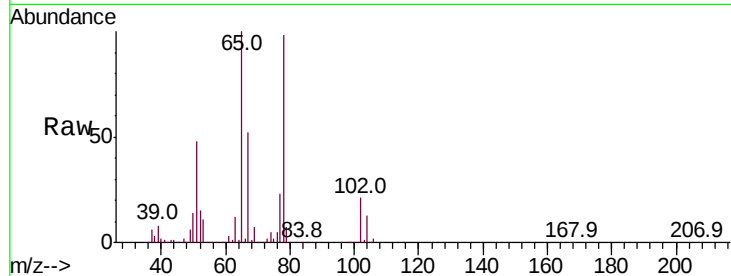
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

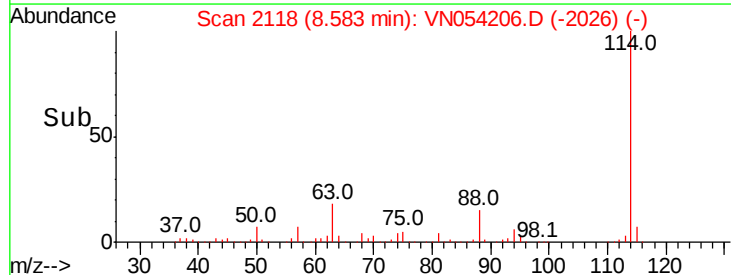
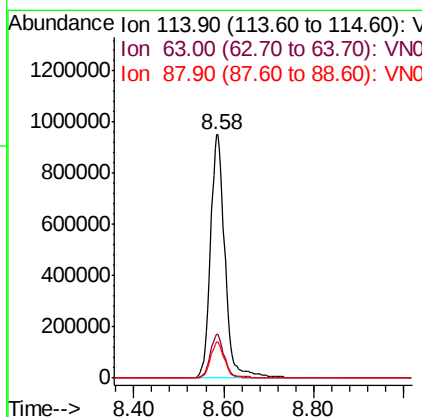
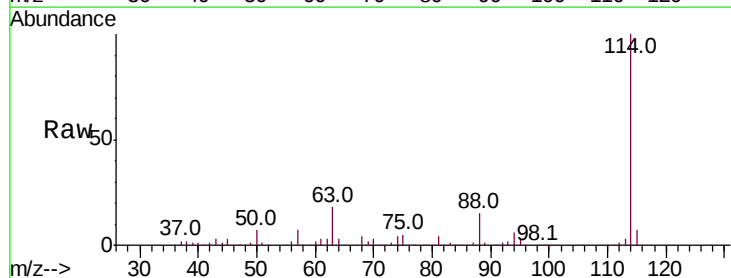
RT: 8.58 min Scan# 2118

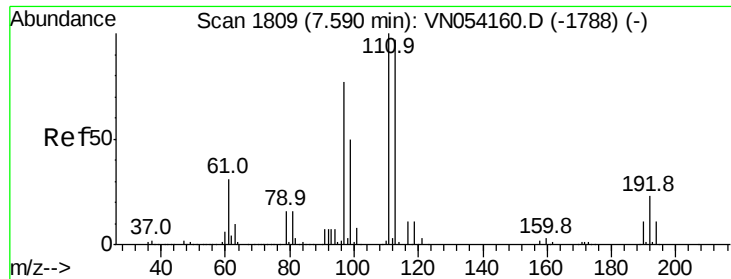
Delta R.T. -0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.2
88	14.9	0.0	30.2





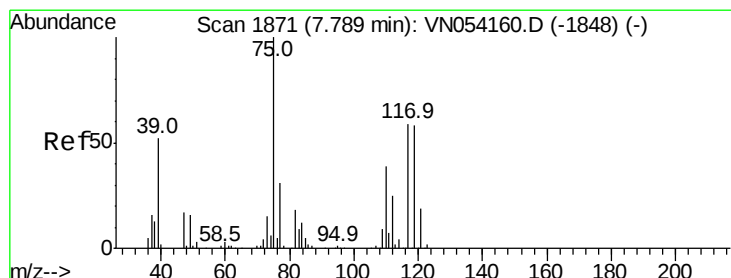
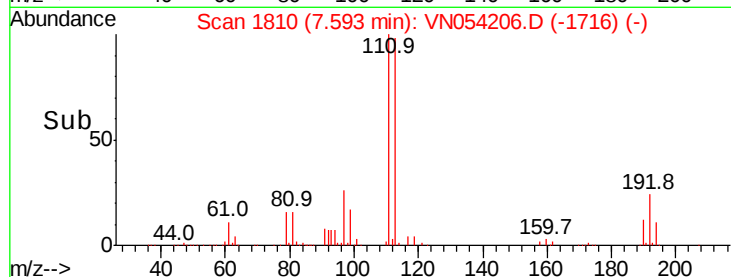
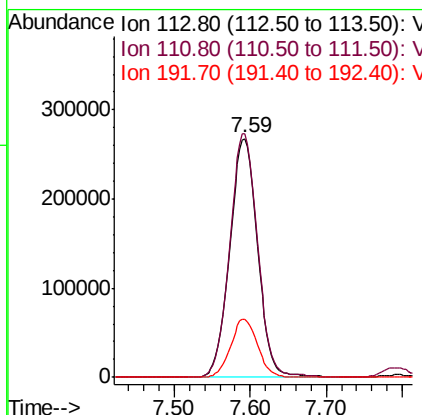
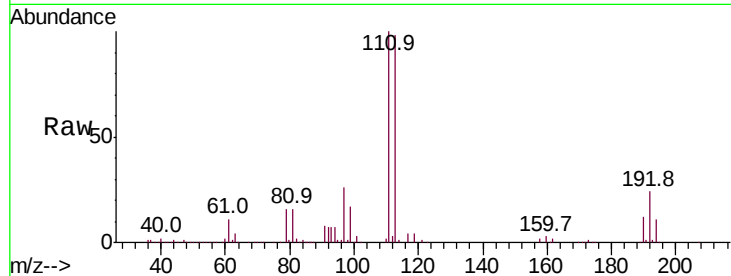
#35
Dibromofluoromethane
Concen: 49.519 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	681649		
111	102.2		82.2	123.4
192	23.7		19.2	28.8

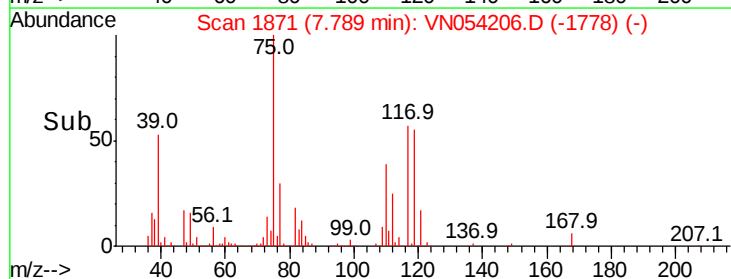
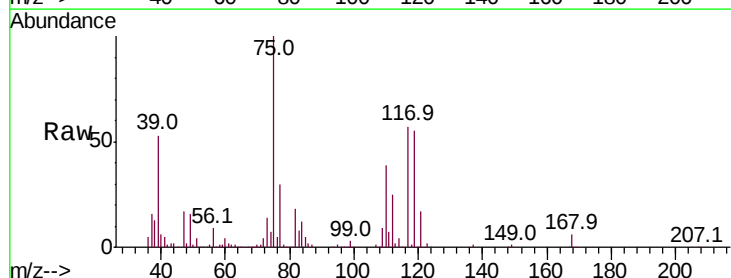
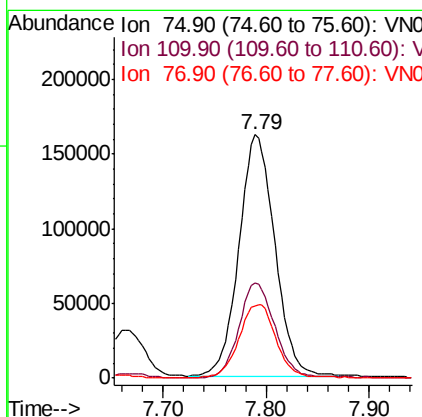
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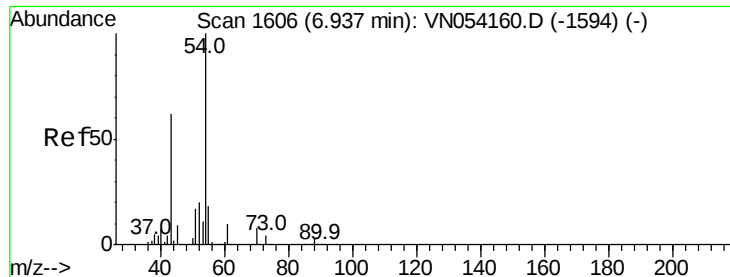
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#36
1,1-Dichloropropene
Concen: 19.888 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	390892		
110	39.5		19.1	57.5
77	32.1		25.0	37.4





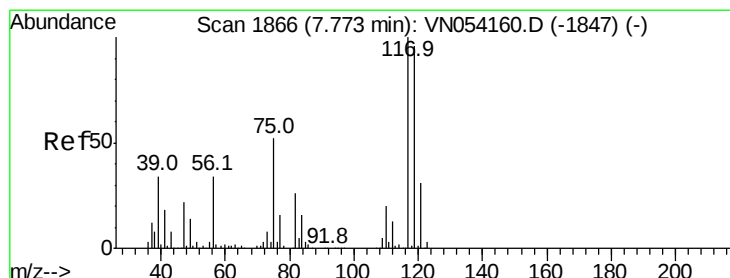
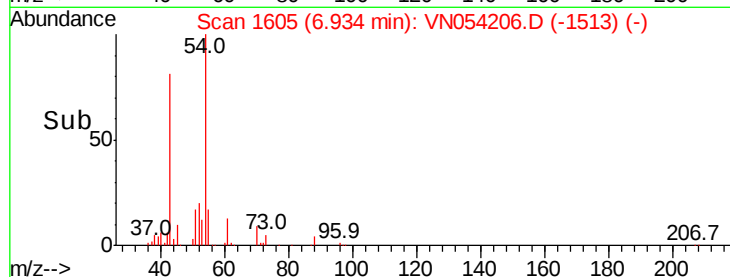
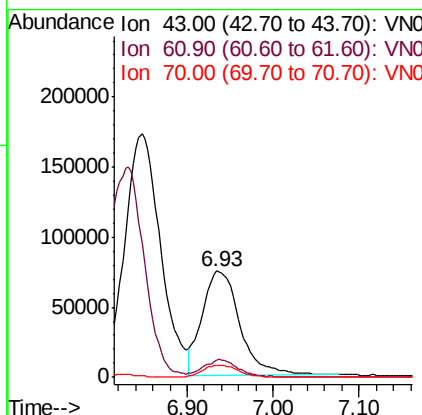
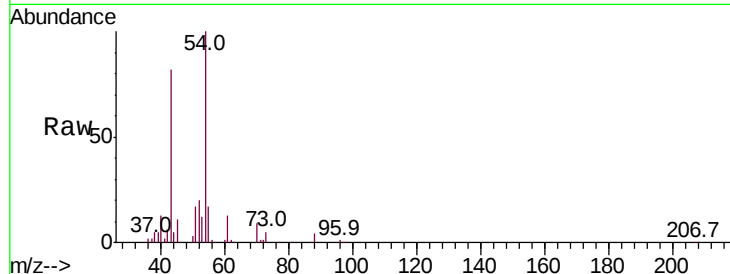
#37
Ethyl Acetate
Concen: 20.238 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.8	17.6
70	10.8	8.4	12.6

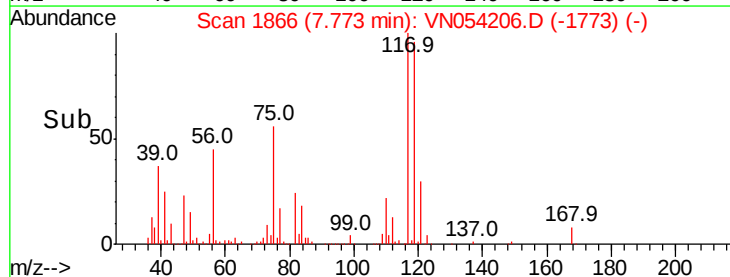
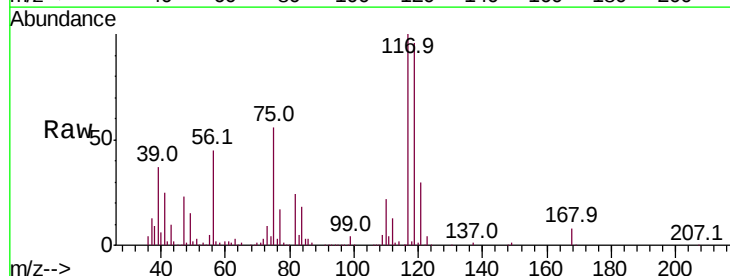
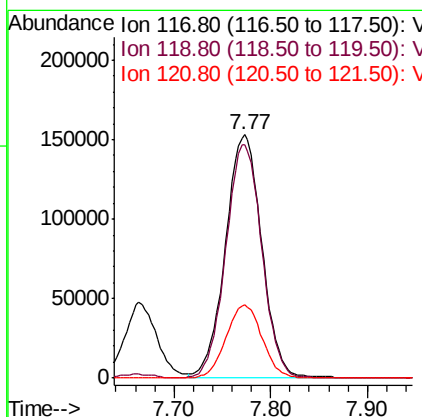
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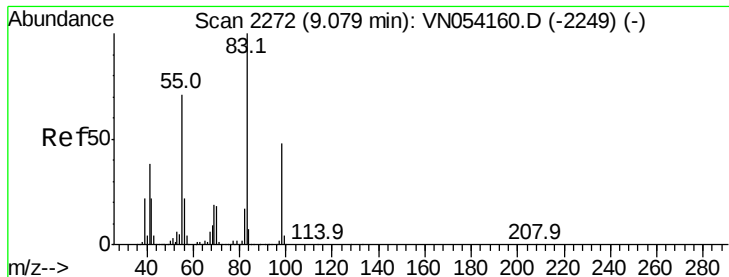
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#38
Carbon Tetrachloride
Concen: 19.242 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
121	30.1	24.6	36.8





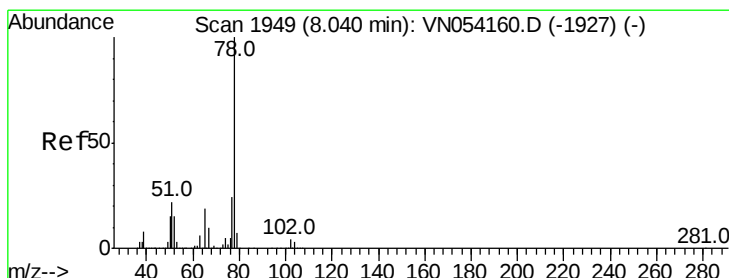
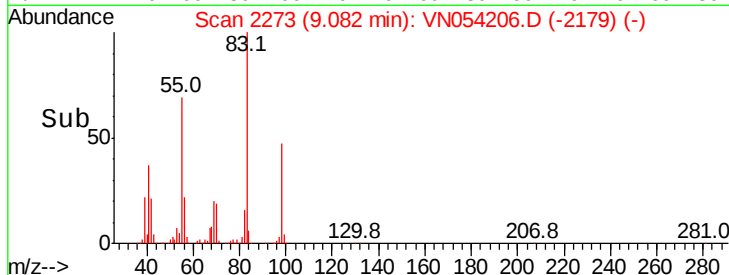
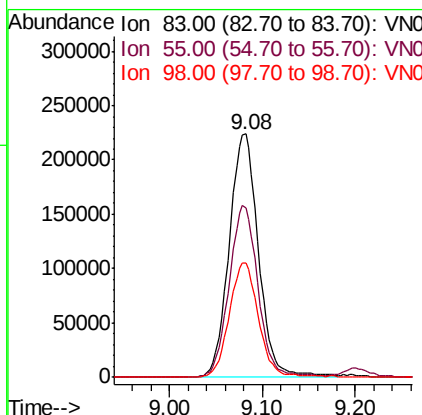
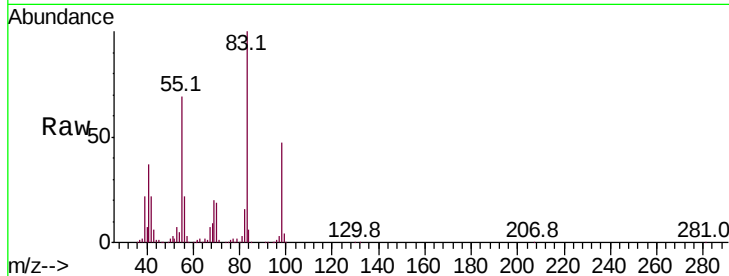
#39
Methvlcvclohexane
Concen: 20.364 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.4	56.6	84.8
98	47.1	38.4	57.6

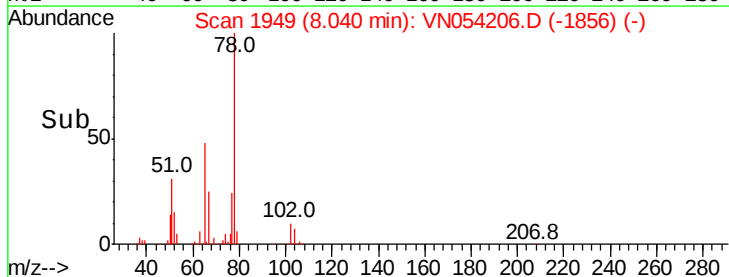
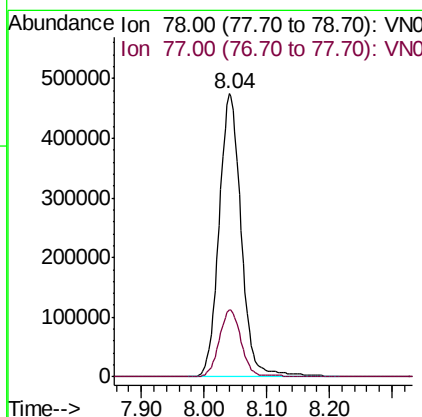
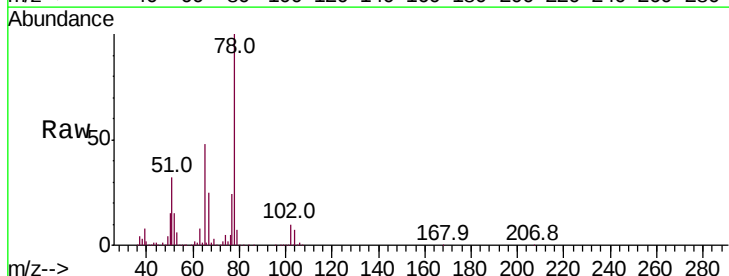
Manual Integrations
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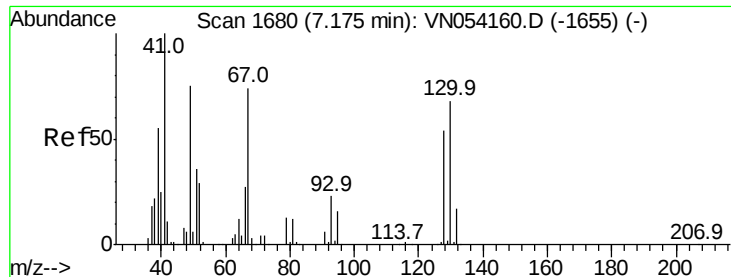
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#40
Benzene
Concen: 20.668 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





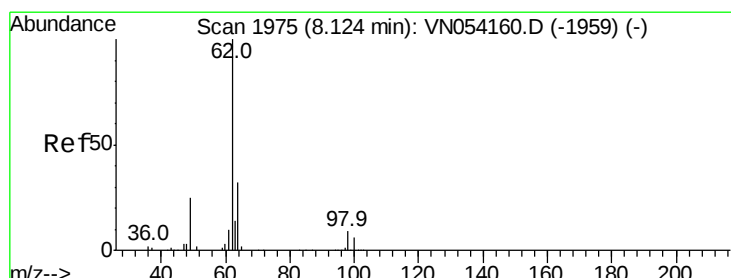
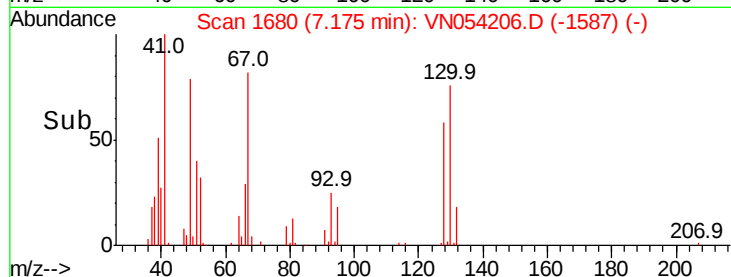
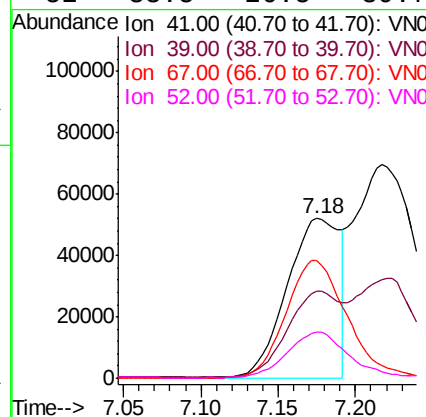
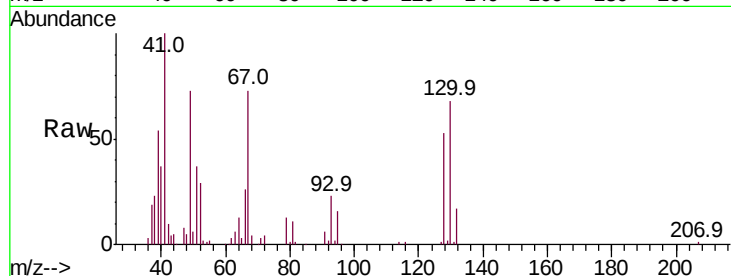
#41
Methacrylonitrile
Concen: 19.123 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		123313		
39	52.7	46.8	70.2		
67	85.6	67.0	100.4		
52	33.5	26.5	39.7		

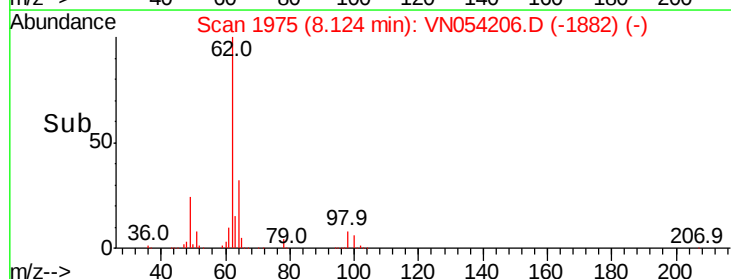
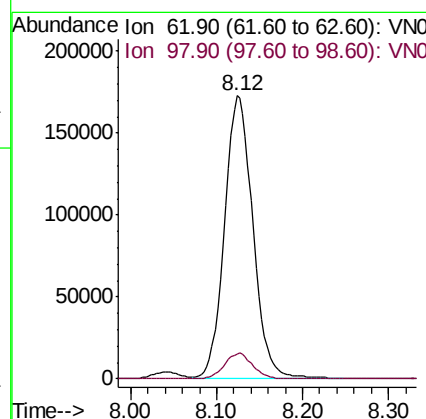
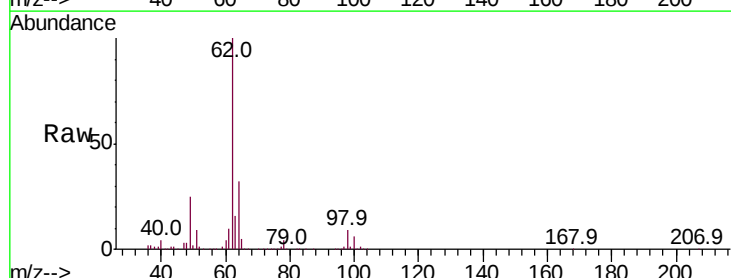
Manual Integrations
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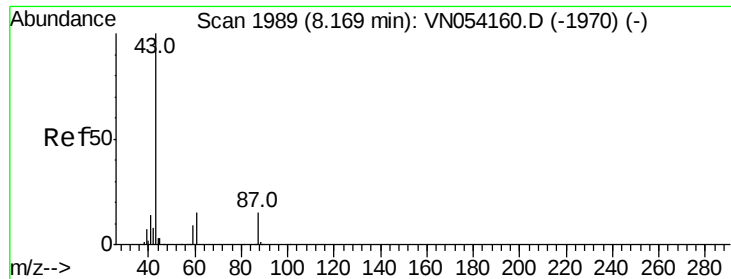
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#42
1,2-Dichloroethane
Concen: 20.745 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		393934		
98	9.1	0.0	18.4		





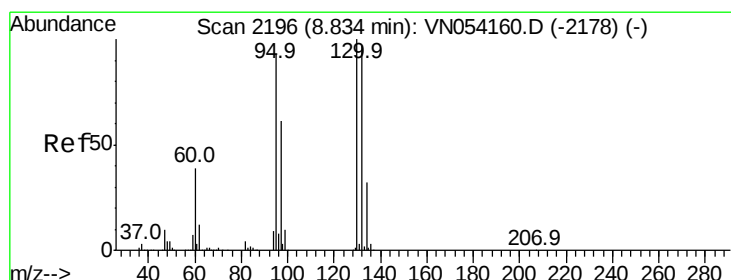
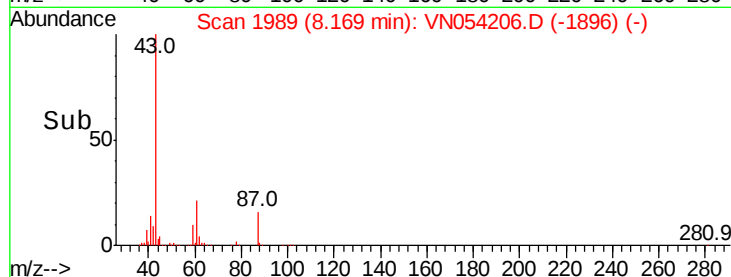
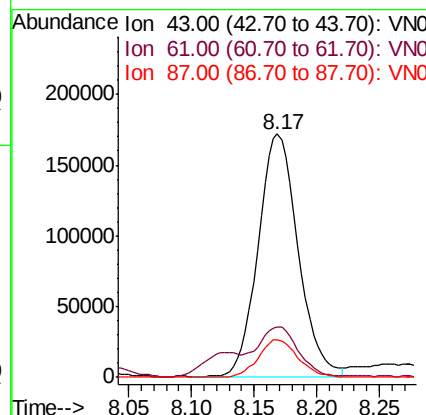
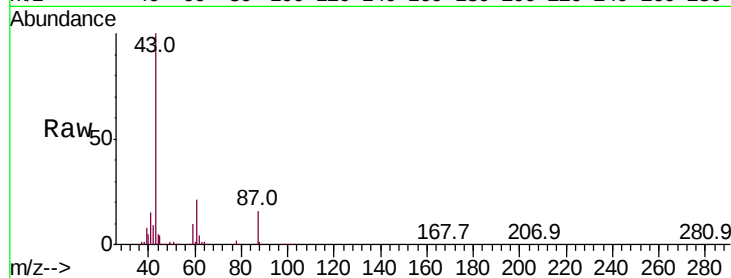
#43
Isopropyl Acetate
Concen: 19.225 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.8	23.8
87	15.6	12.0	18.0

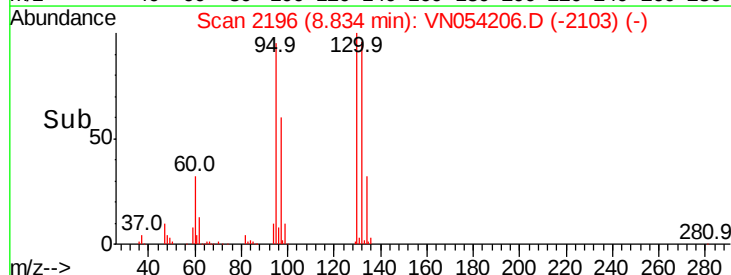
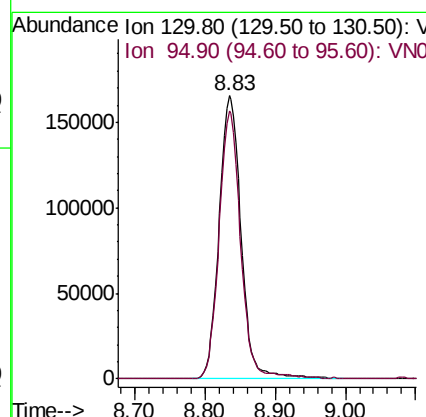
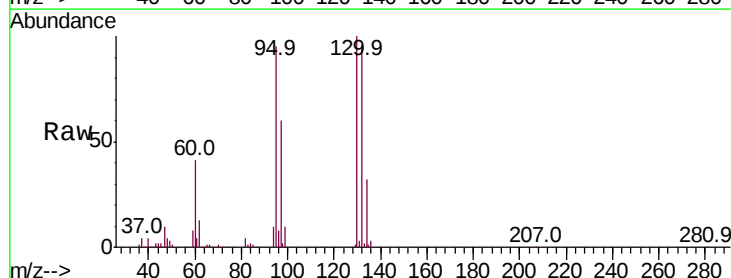
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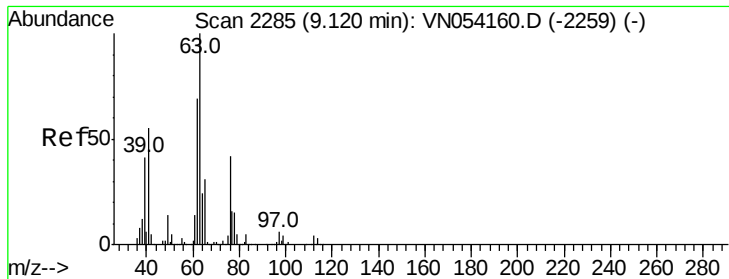
MMDadoda
3/14/2019 10:27:11 AM



#44
Trichloroethene
Concen: 20.592 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	185.2





#45

1,2-Dichloropropane

Concen: 21.037 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 63 Resp: 293804

Ion Ratio Lower Upper

63 100

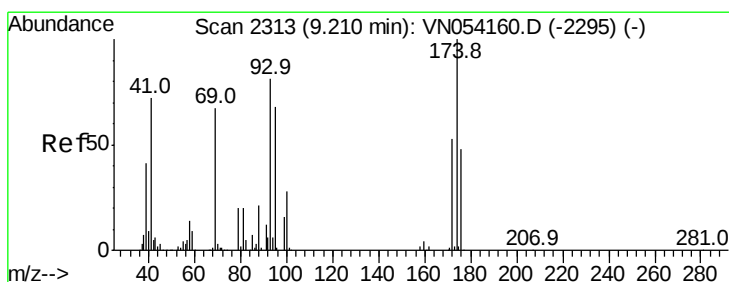
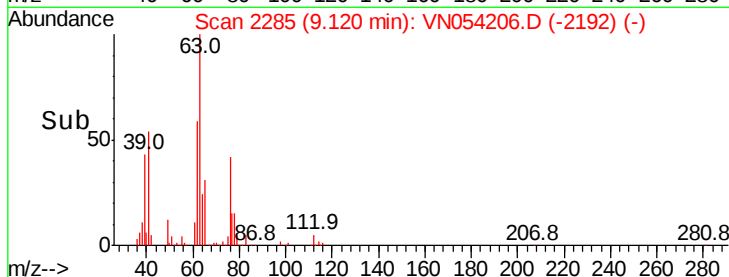
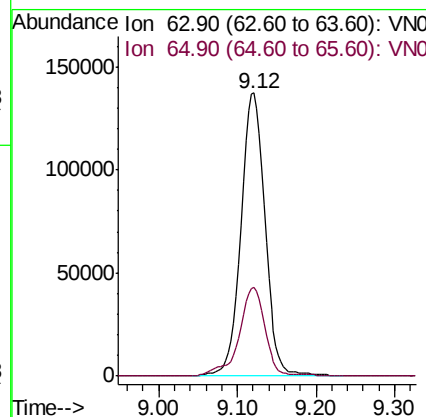
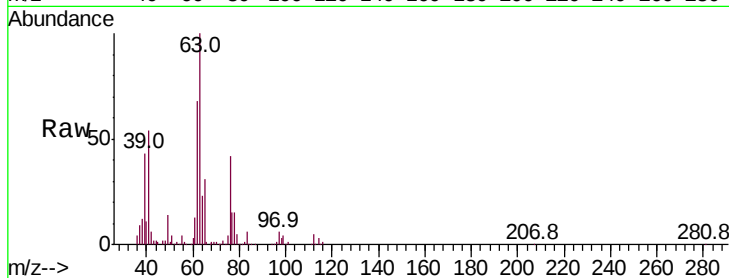
65 31.2 25.0 37.6

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#46

Dibromomethane

Concen: 20.815 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

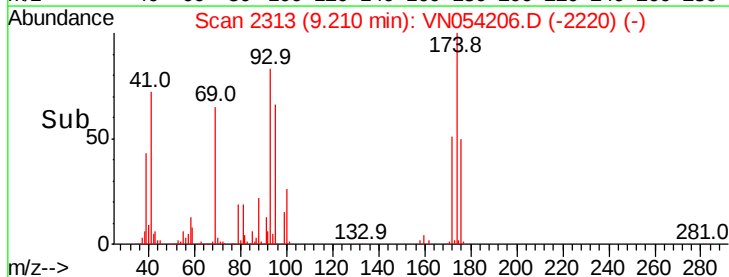
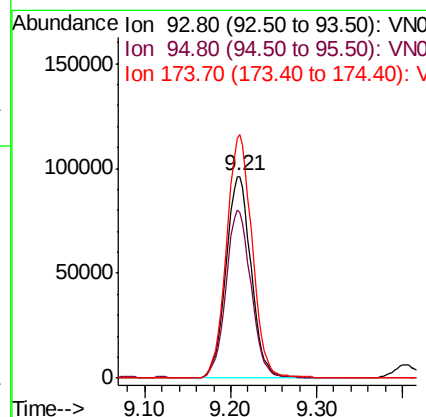
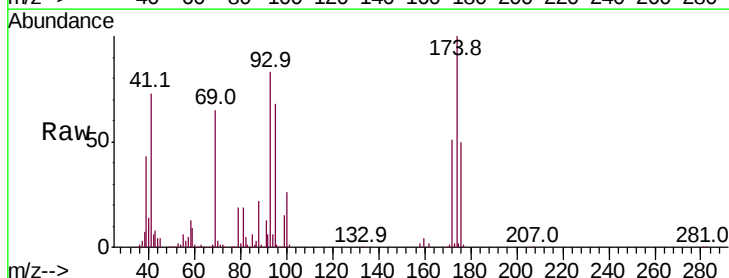
Tgt Ion: 93 Resp: 196418

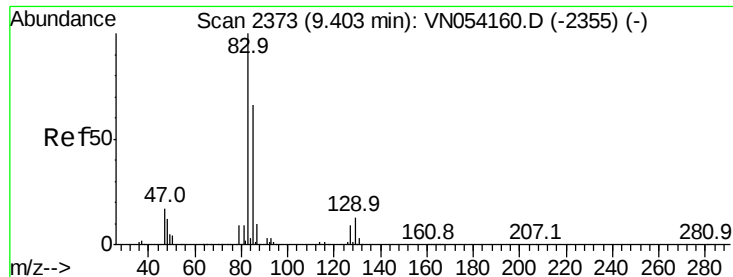
Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

174 122.0 98.5 147.7





#47

Bromodichloromethane

Concen: 20.200 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

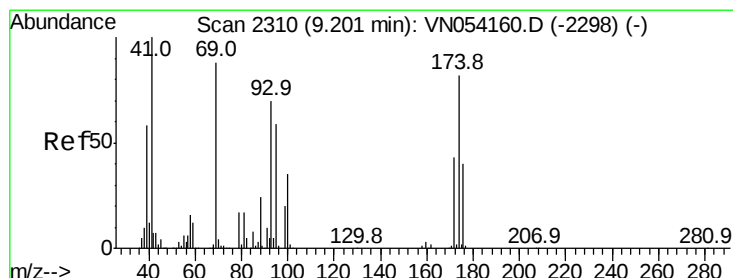
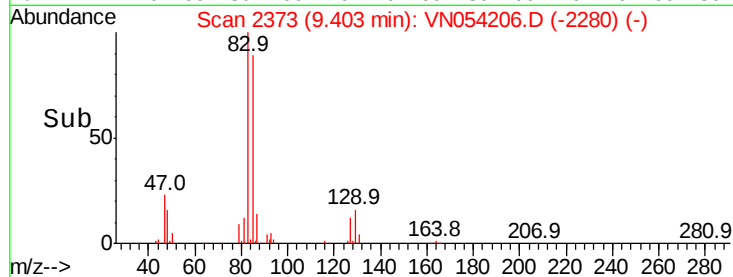
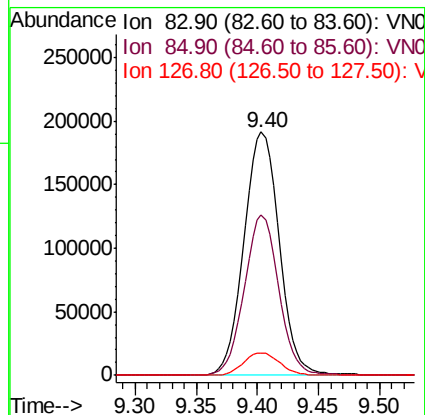
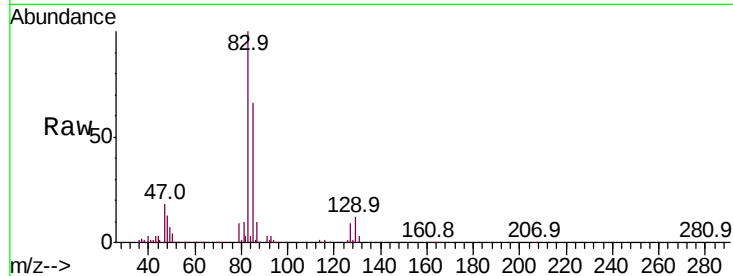
ClientSampleId :

VN0313WBS01

Tot Ion:	83	Resp:	382134
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.8	79.2
127	9.2	7.4	11.2

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#48

Methyl methacrylate

Concen: 20.773 ug/l

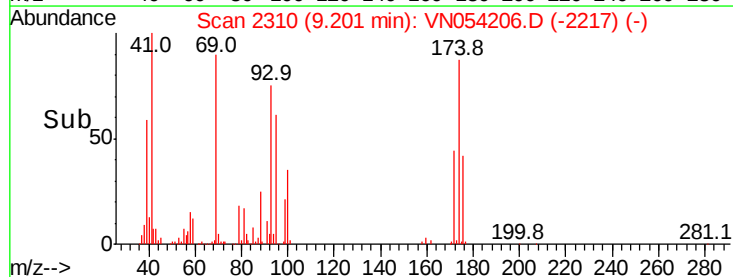
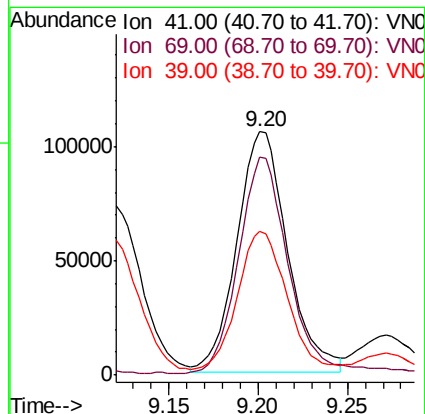
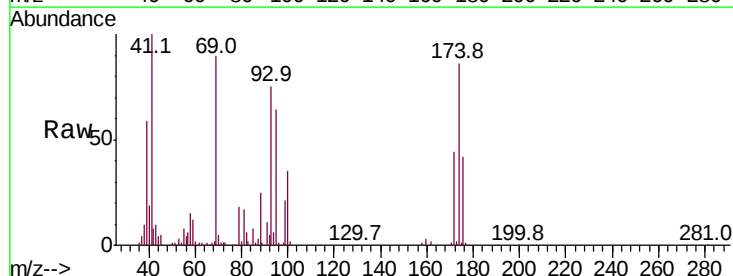
RT: 9.20 min Scan# 2310

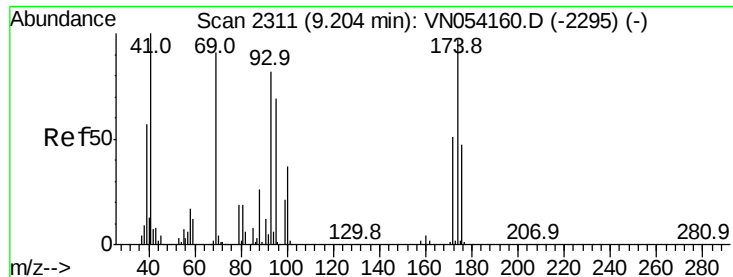
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	41	Resp:	208982
Ion Ratio	Lower	Upper	
41	100		
69	91.8	72.6	108.8
39	59.8	47.5	71.3





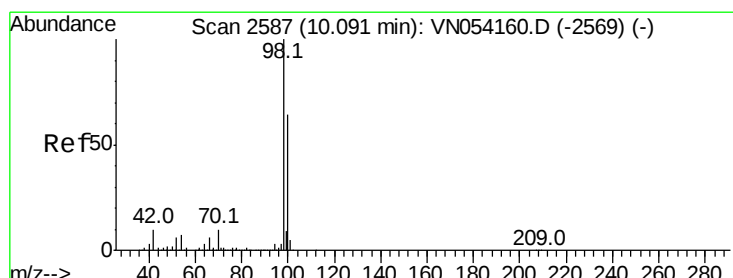
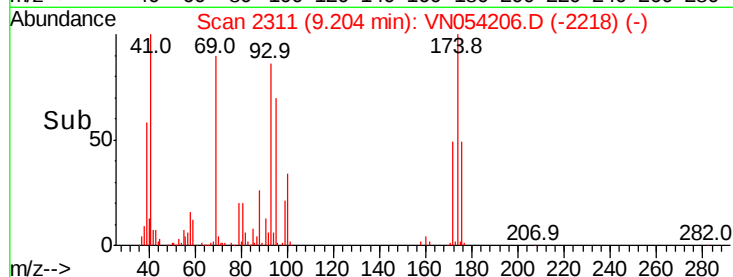
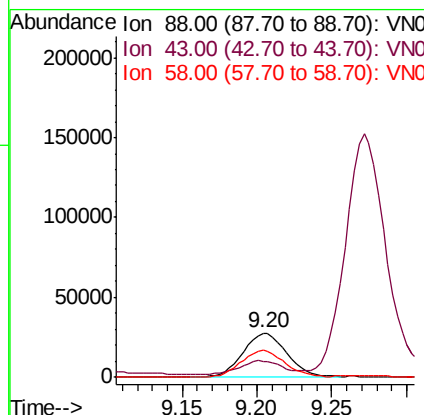
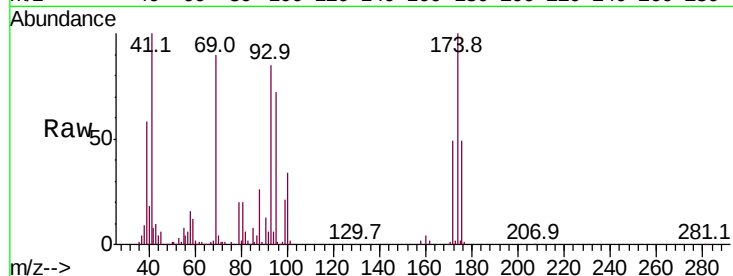
#49
1,4-Dioxane
Concen: 402.255 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	24.1	36.1
58	60.9	50.8	76.2

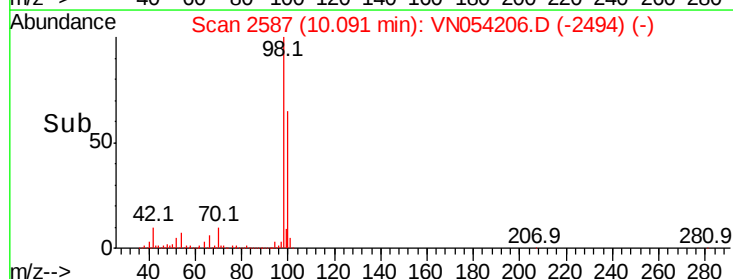
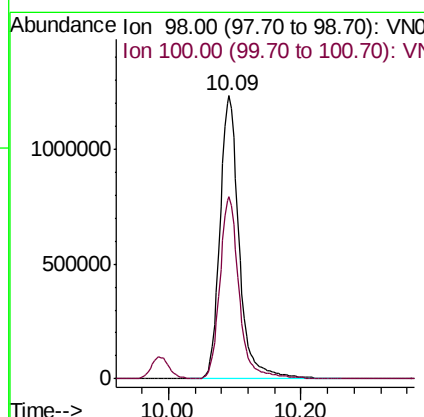
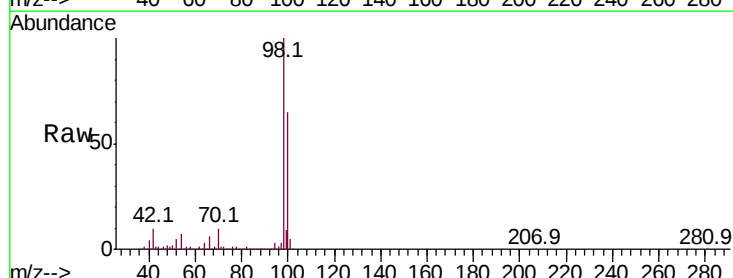
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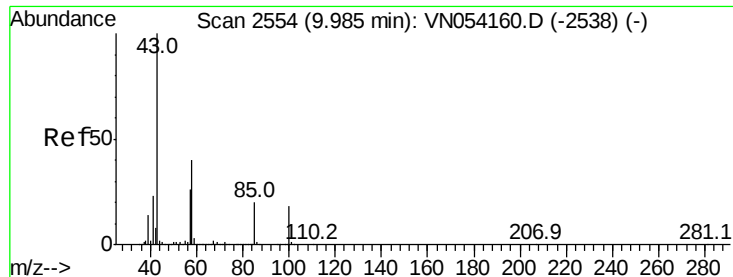
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#50
Toluene-d8
Concen: 48.773 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 100.618 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0313WBS01

Tot Ion: 43 Resp: 1055548

Ion Ratio Lower Upper

43 100

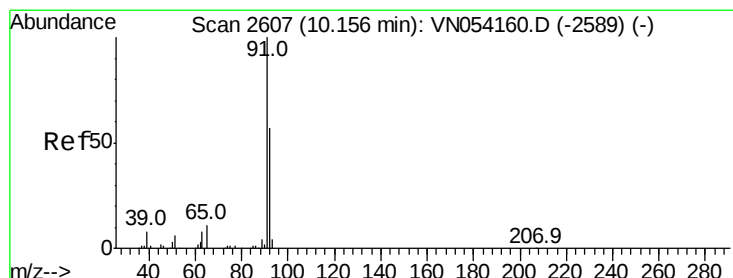
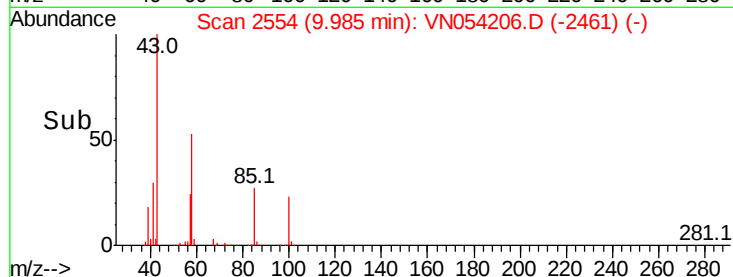
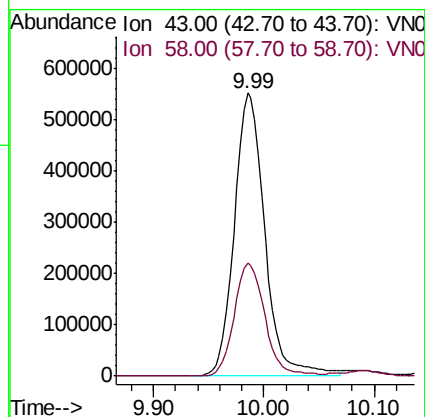
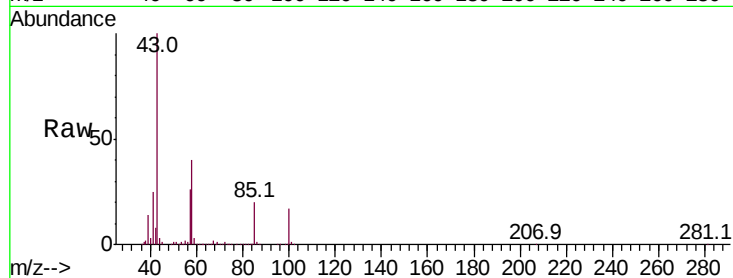
58 40.4 31.8 47.6

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#52

Toluene

Concen: 20.738 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054206.D

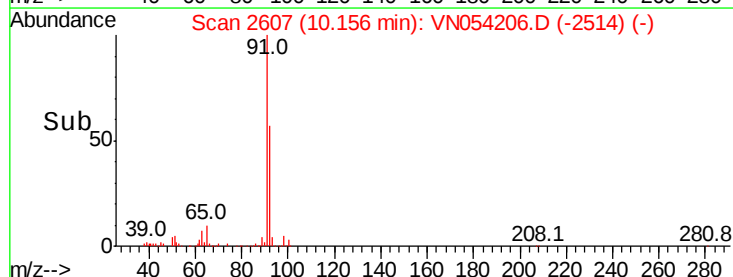
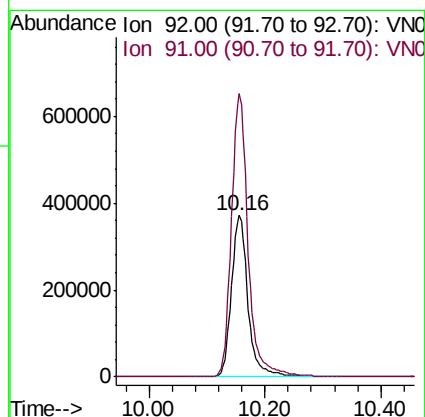
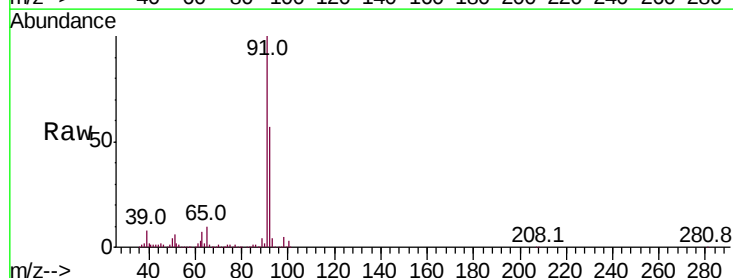
Acq: 13 Mar 2019 12:36

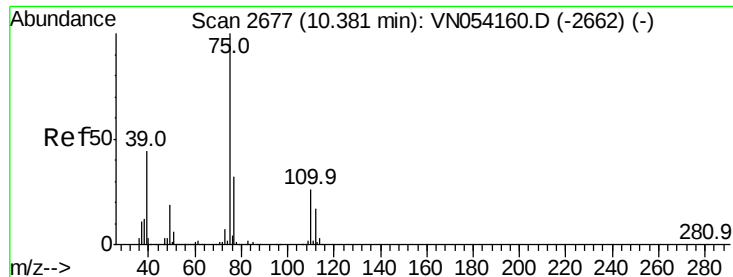
Tgt Ion: 92 Resp: 739564

Ion Ratio Lower Upper

92 100

91 175.4 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.710 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

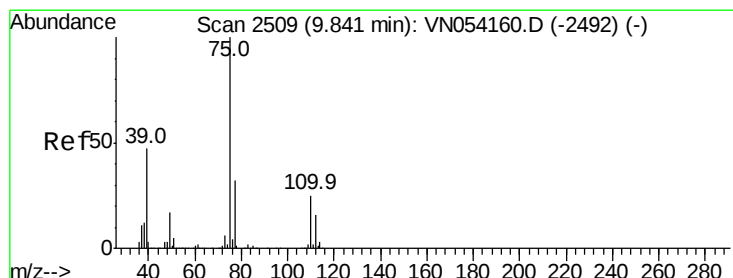
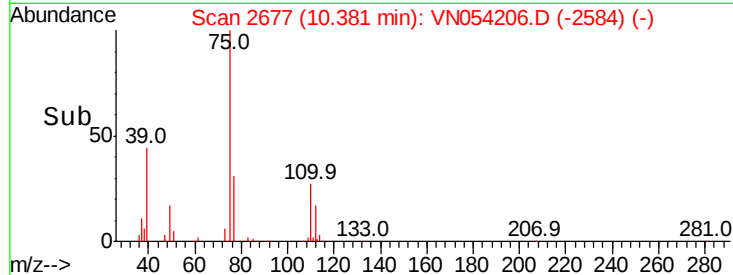
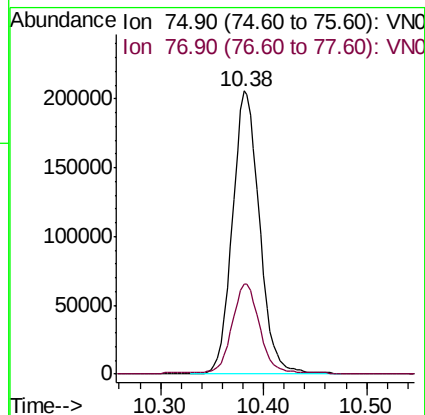
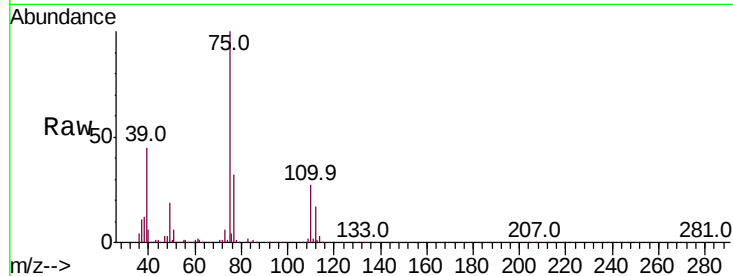
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion: 75 Resp: 376818

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8

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#54

cis-1,3-Dichloropropene

Concen: 19.755 ug/l

RT: 9.84 min Scan# 2509

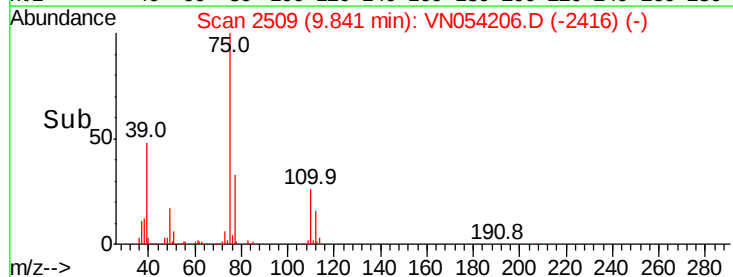
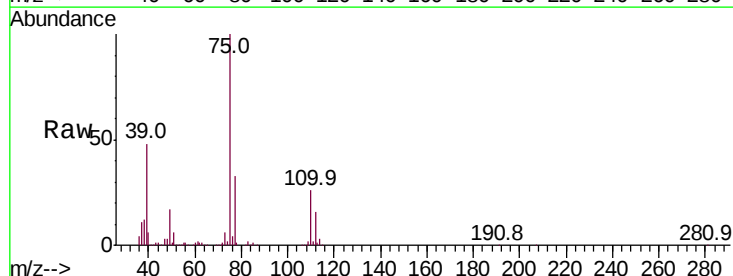
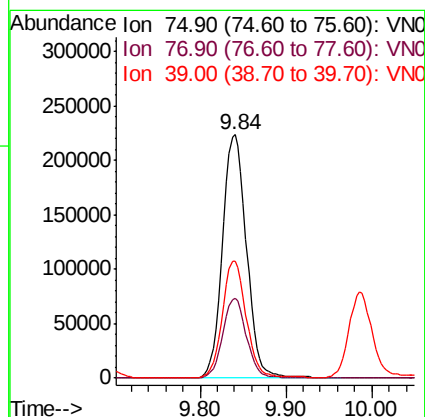
Delta R.T. 0.00 min

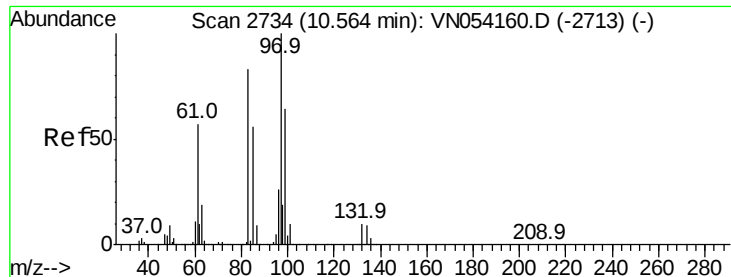
Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion: 75 Resp: 435500

Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	47.8	37.2	55.8





#55

1,1,2-Trichloroethane

Concen: 20.910 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 97 Resp: 272292

Ion Ratio Lower Upper

97 100

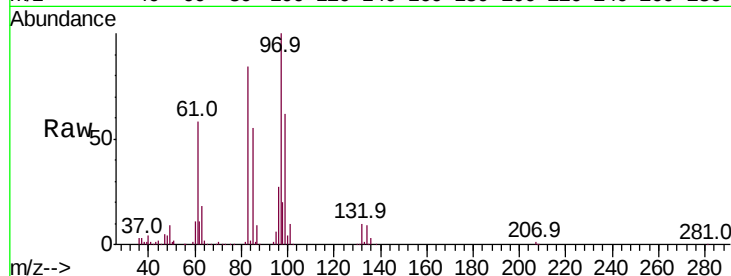
83 83.8 66.6 100.0

85 54.9 44.4 66.6

99 61.8 50.8 76.2

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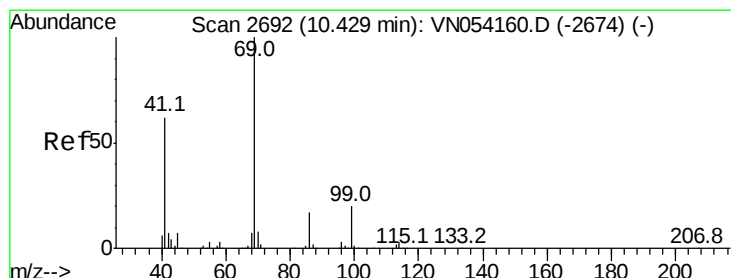
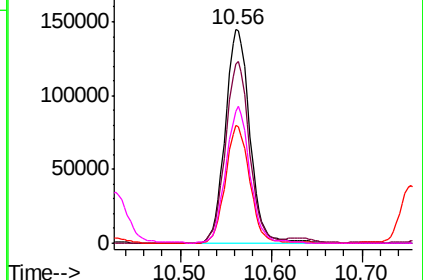
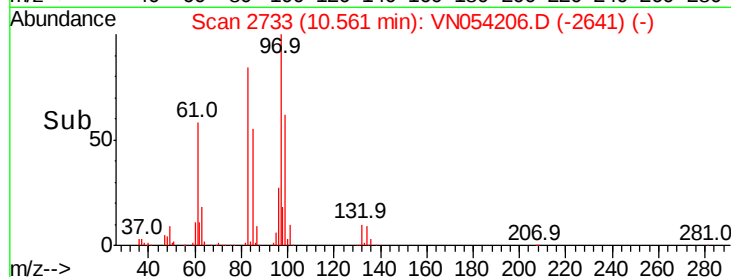


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 20.384 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

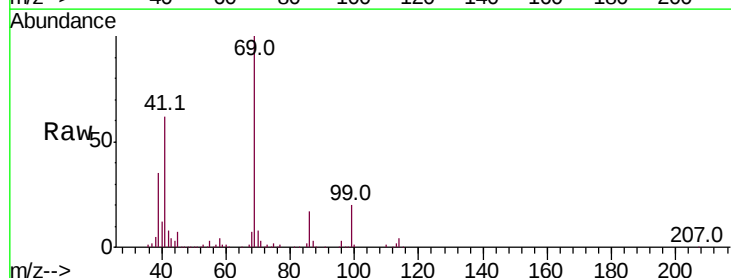
Tgt Ion: 69 Resp: 316498

Ion Ratio Lower Upper

69 100

41 61.9 49.4 74.2

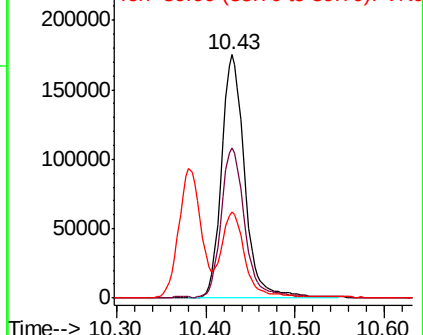
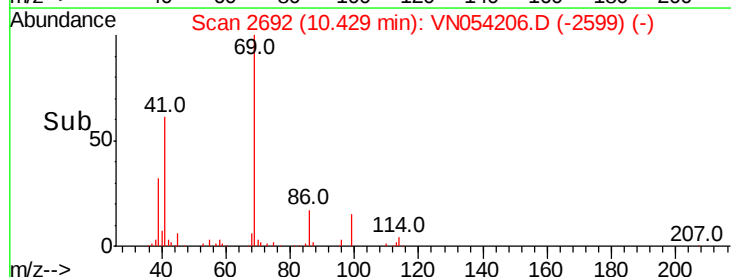
39 34.8 28.3 42.5

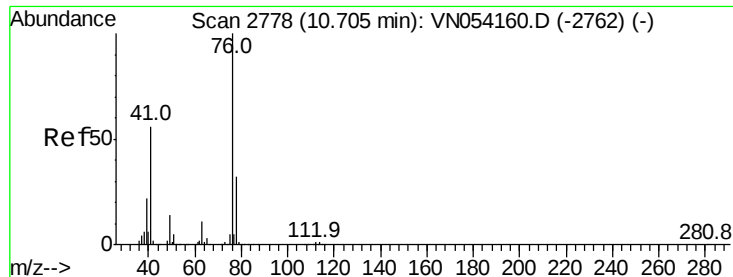


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.458 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 76 Resp: 435596

Ion Ratio Lower Upper

76 100

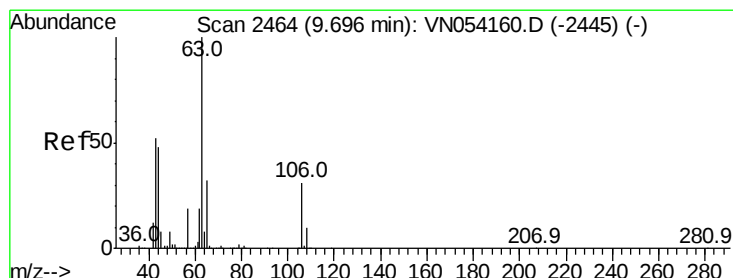
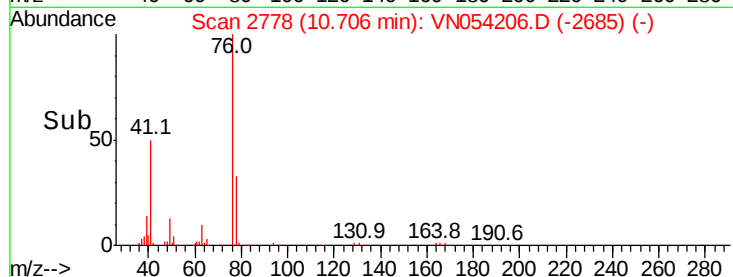
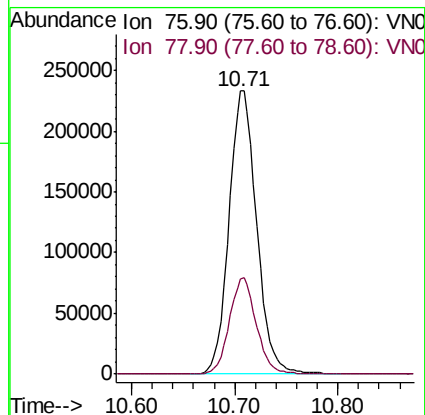
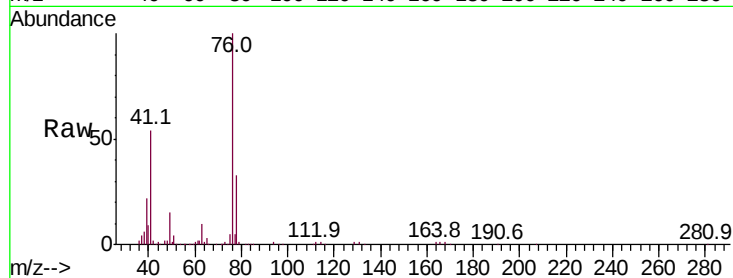
78 33.2 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 95.510 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054206.D

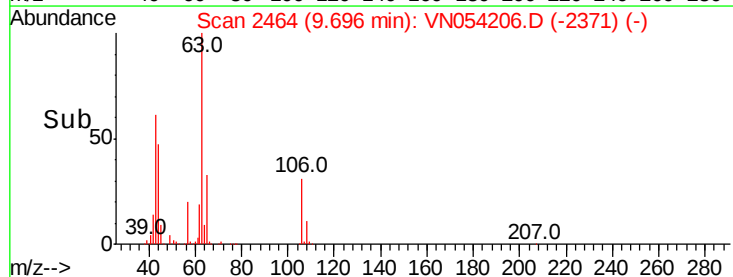
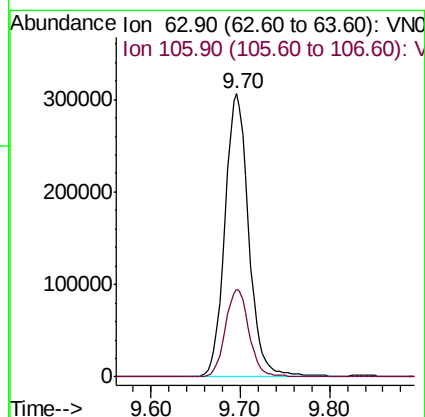
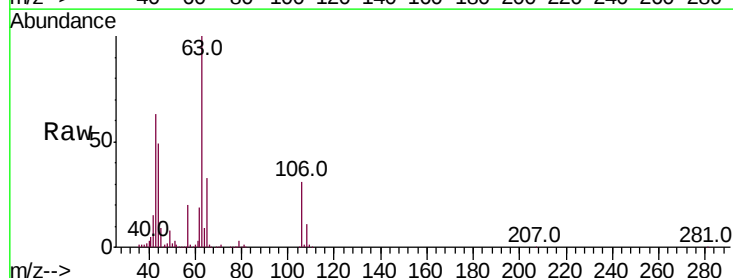
Acq: 13 Mar 2019 12:36

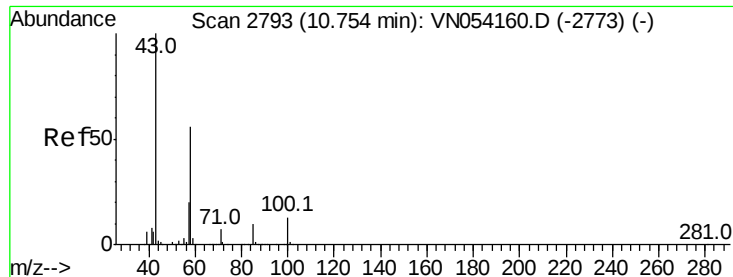
Tgt Ion: 63 Resp: 568276

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6





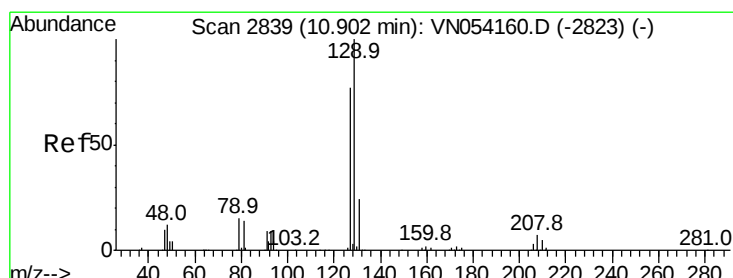
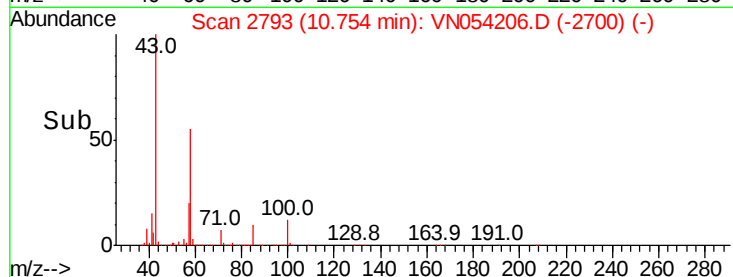
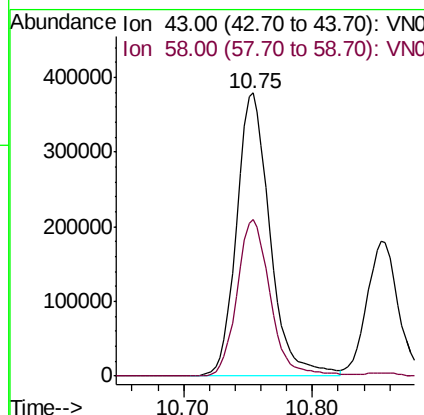
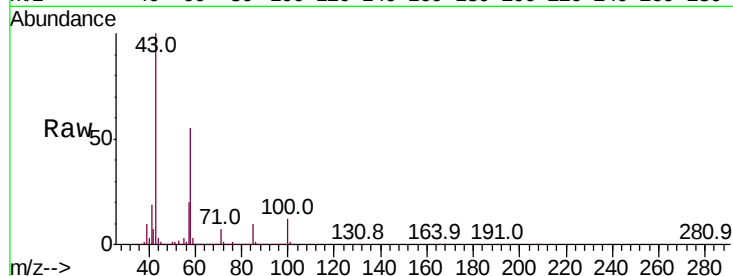
#59
2-Hexanone
Concen: 97.104 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion: 43 Resp: 677832
Ion Ratio Lower Upper
43 100
58 55.4 28.0 83.9

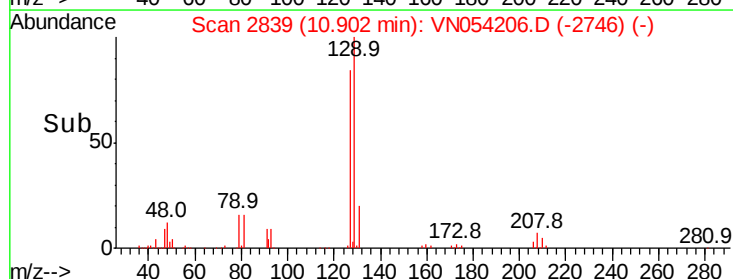
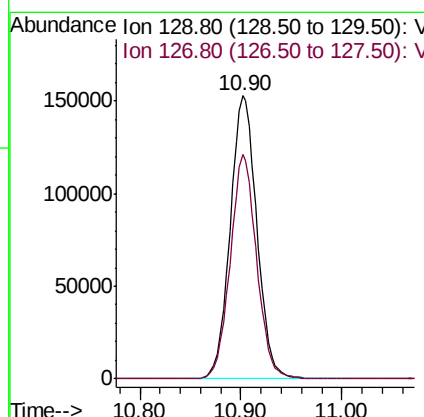
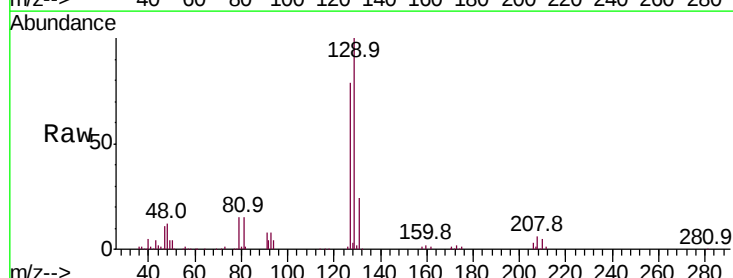
Manual Integrations
APPROVED

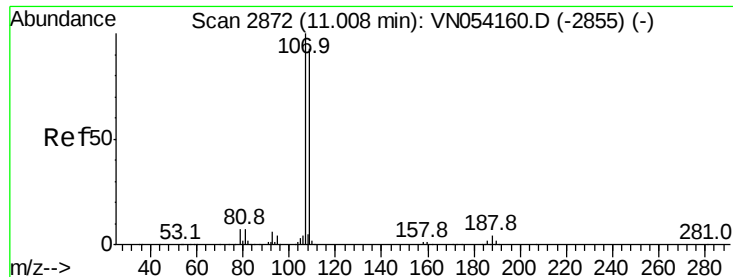
MMDadoda
3/14/2019 10:27:11 AM



#60
Dibromochloromethane
Concen: 19.197 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion: 129 Resp: 281366
Ion Ratio Lower Upper
129 100
127 78.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.394 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 107 Resp: 269874

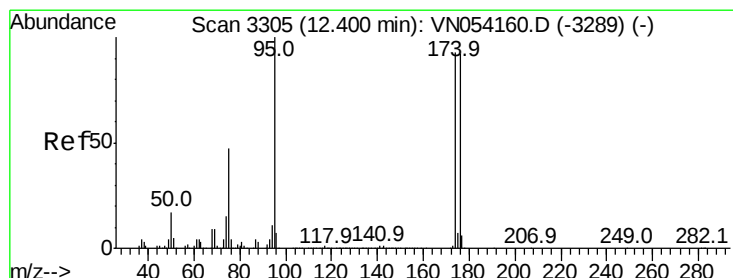
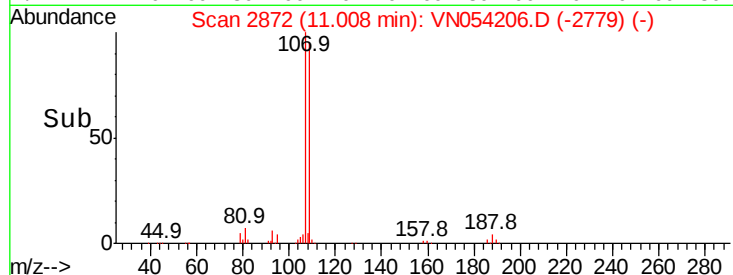
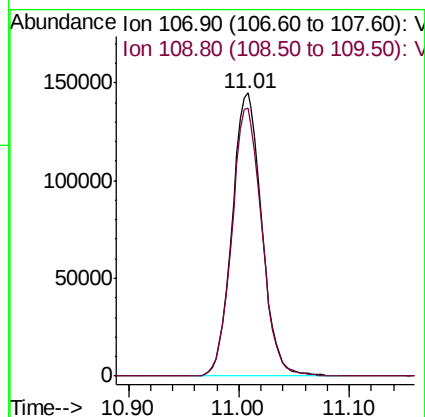
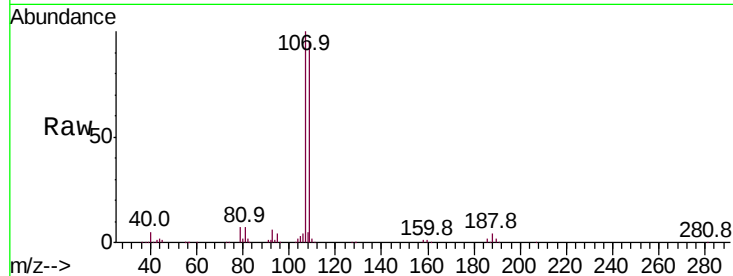
Ion Ratio Lower Upper

107 100

109 95.8 75.9 113.9

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:11 AM



#62

4-Bromofluorobenzene

Concen: 47.786 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

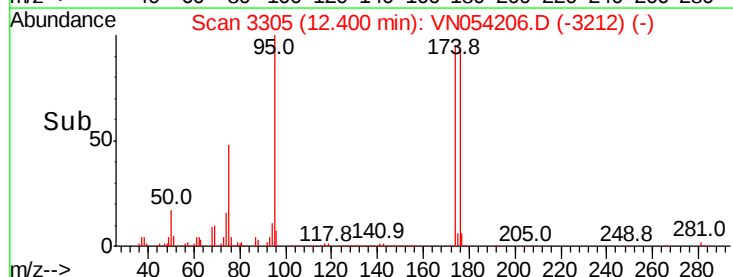
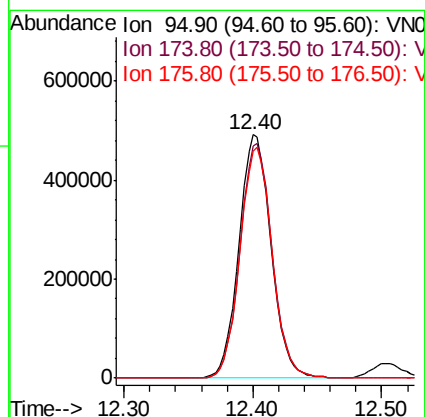
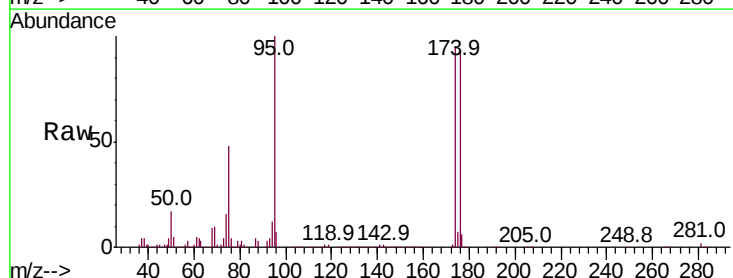
Tgt Ion: 95 Resp: 850014

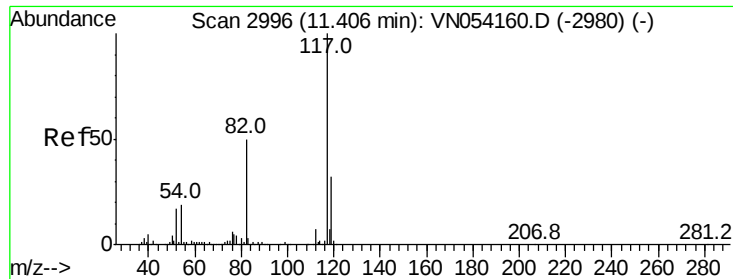
Ion Ratio Lower Upper

95 100

174 96.6 0.0 191.0

176 95.1 0.0 187.4





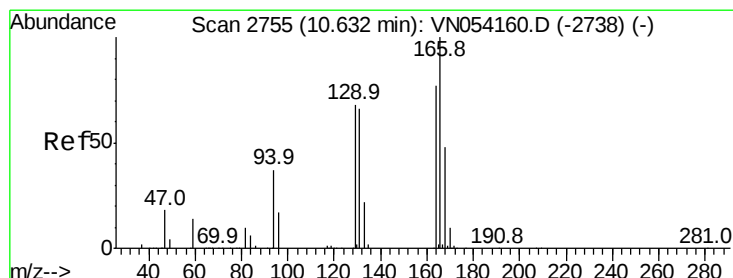
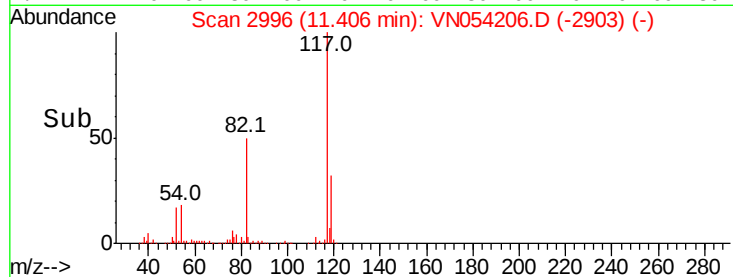
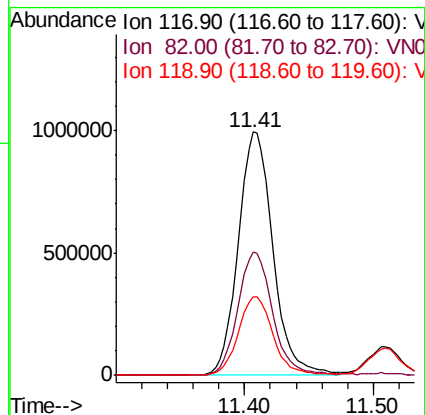
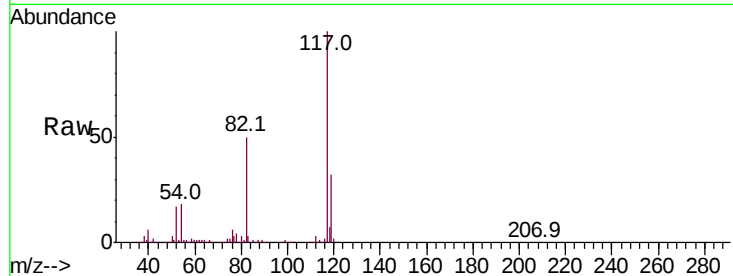
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.5	40.0	60.0
119	32.5	25.8	38.6

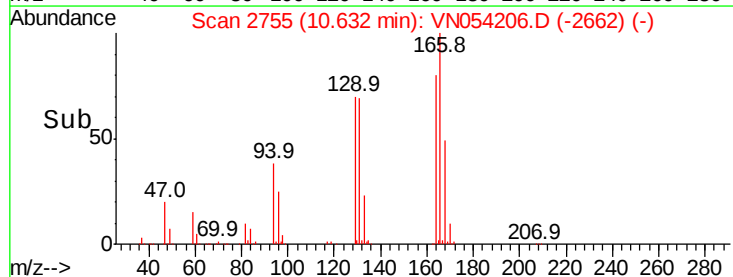
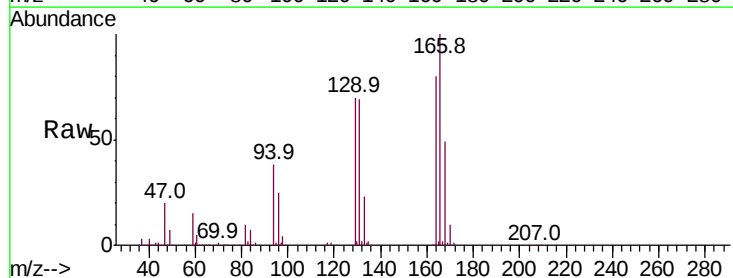
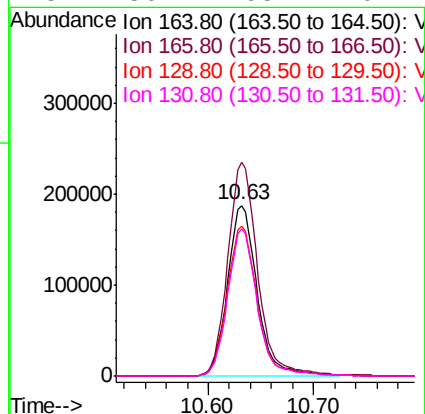
Manual Integrations
APPROVED

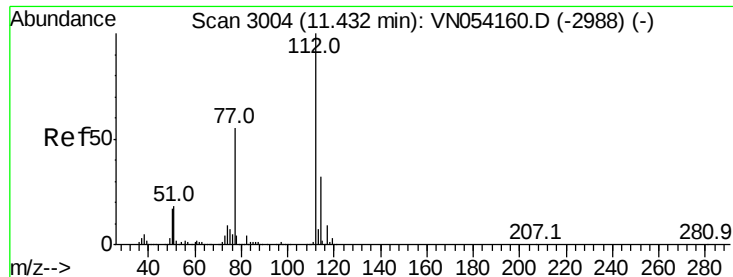
MMDadoda
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#64
Tetrachloroethene
Concen: 20.333 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.1	103.9	155.9
129	87.9	71.1	106.7
131	86.4	68.2	102.4





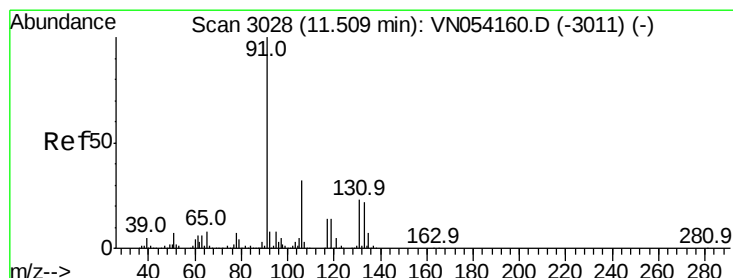
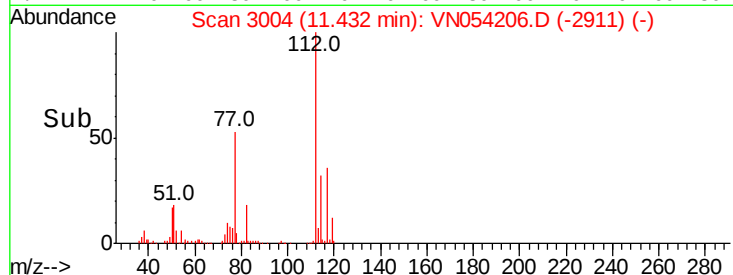
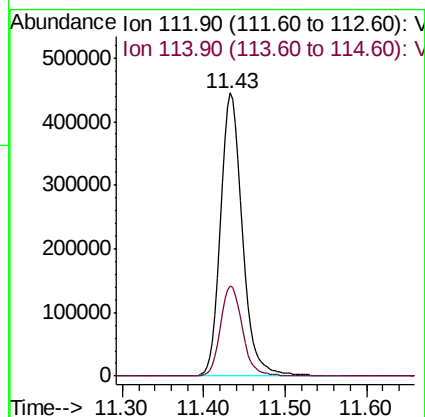
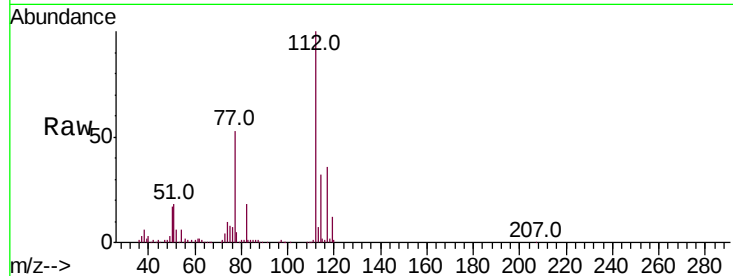
#65
Chlorobenzene
Concen: 20.754 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9

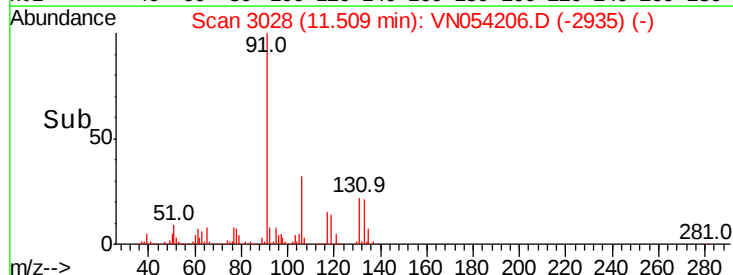
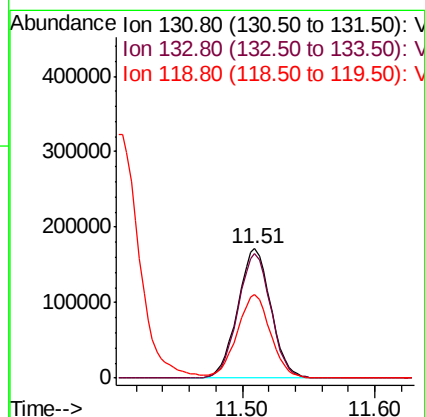
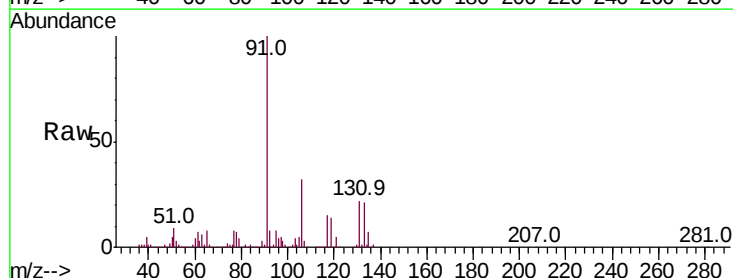
Manual Integrations
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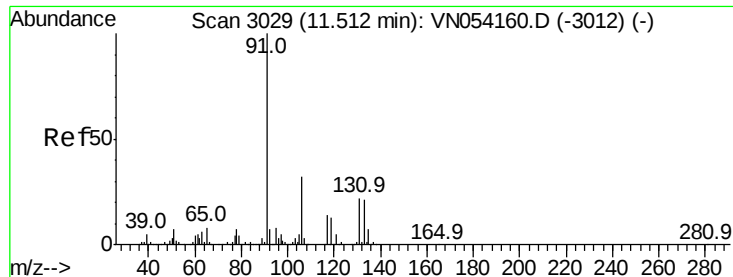
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.170 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.6	142.9
119	64.9	32.4	97.0





#67

Ethyl Benzene

Concen: 20.409 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 91 Resp: 1383507

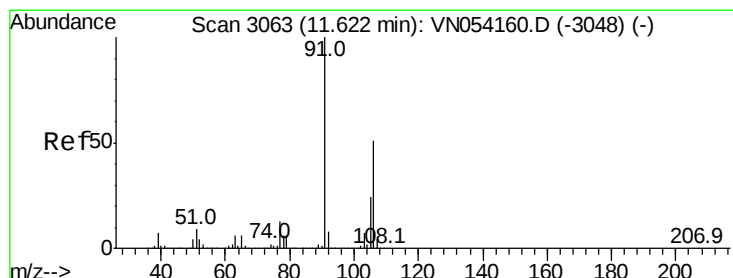
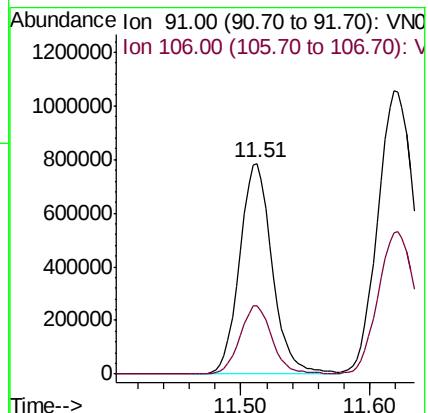
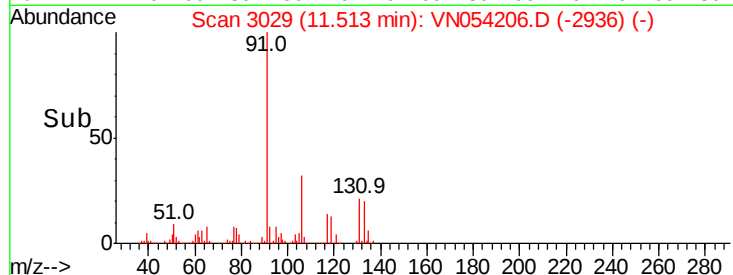
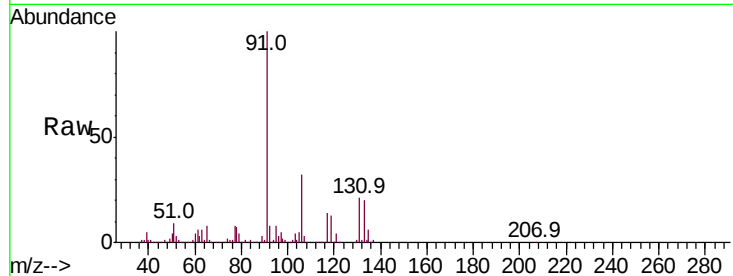
Ion Ratio Lower Upper

91 100

106 32.4 25.5 38.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 41.178 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054206.D

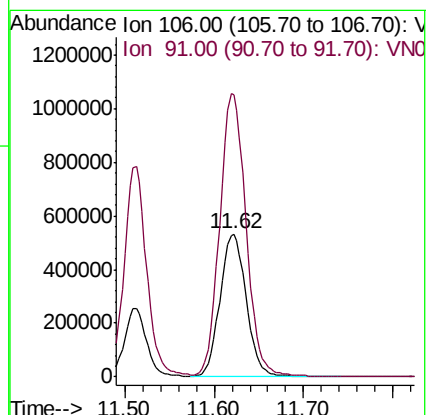
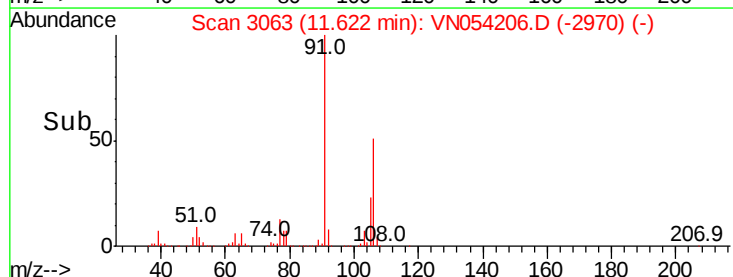
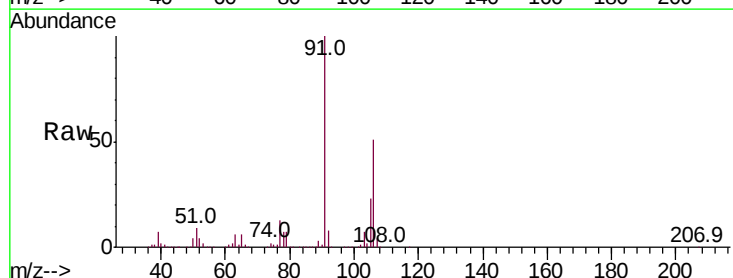
Acq: 13 Mar 2019 12:36

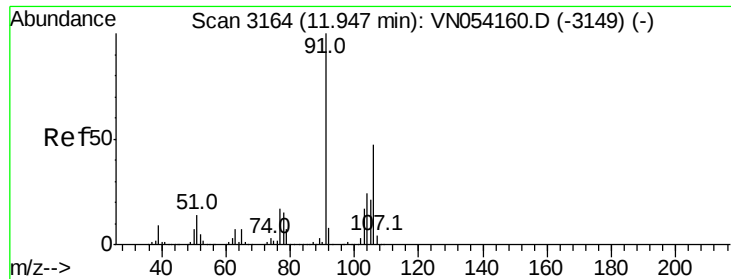
Tgt Ion: 106 Resp: 1091010

Ion Ratio Lower Upper

106 100

91 198.0 159.4 239.2





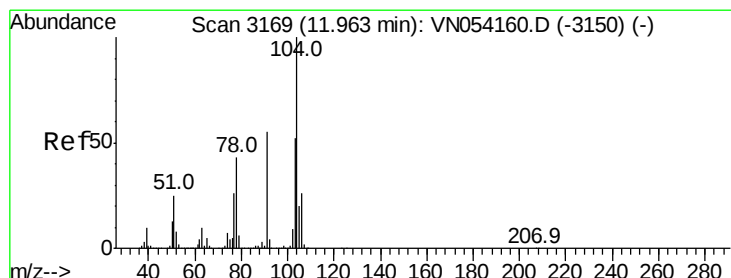
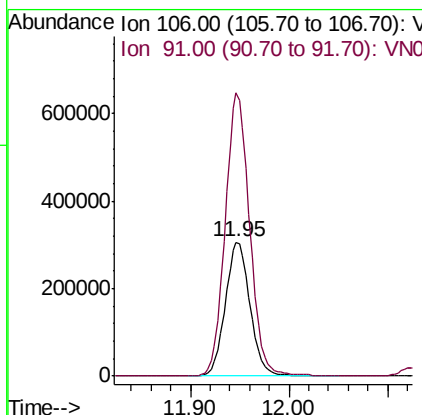
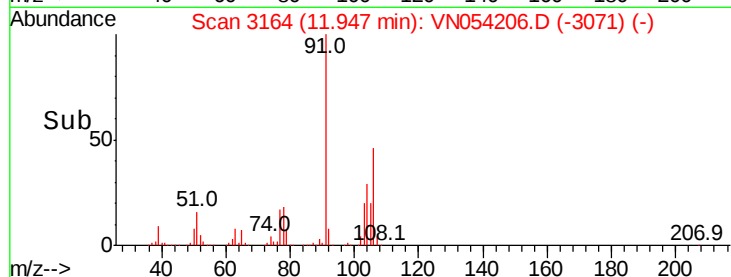
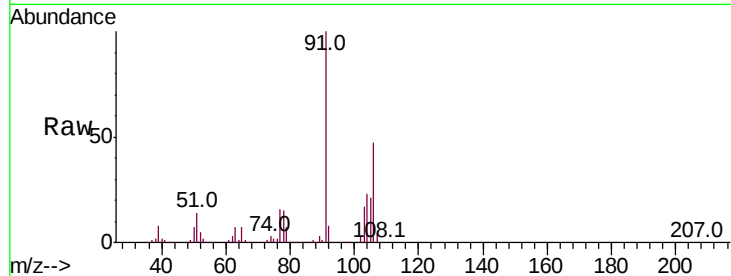
#69
o-Xylene
Concen: 20.831 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion:106 Resp: 538029
Ion Ratio Lower Upper
106 100
91 209.3 105.7 317.1

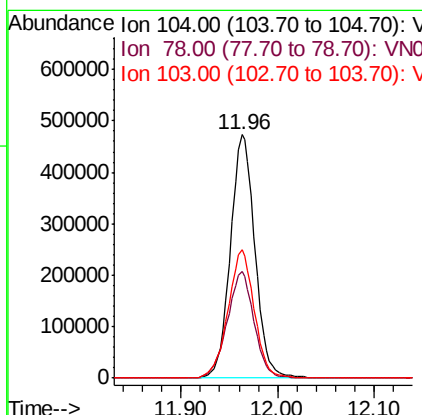
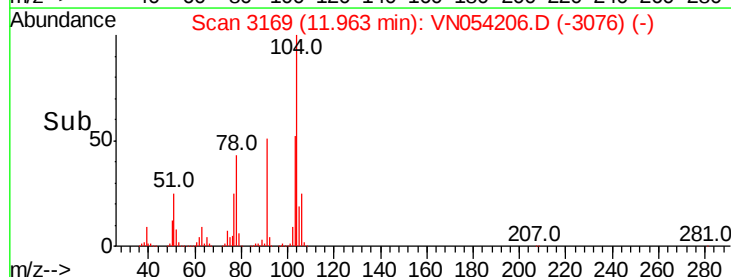
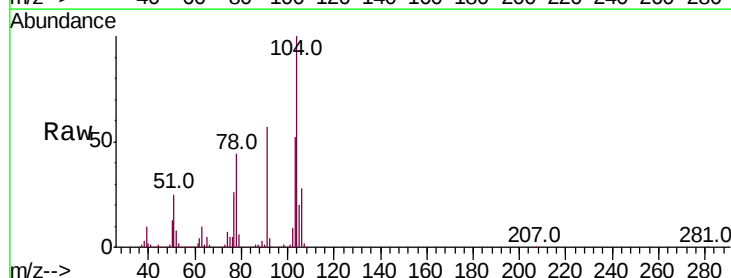
Manual Integrations
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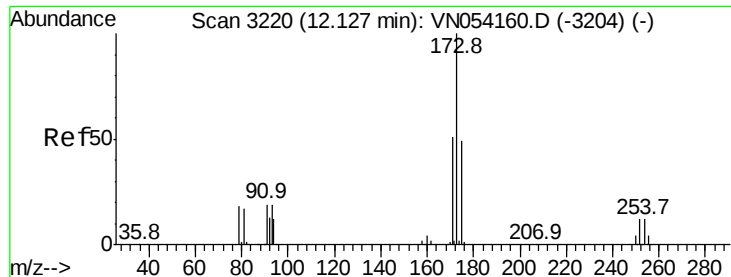
MMDadoda
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#70
Styrene
Concen: 20.526 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion:104 Resp: 831456
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 56.4 44.4 66.6





#71

Bromoform

Concen: 17.872 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:173 Resp: 184436

Ion Ratio Lower Upper

173 100

175 47.3 24.4 73.2

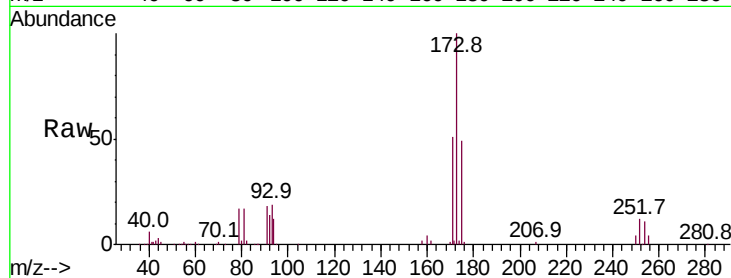
254 0.1 0.1 0.1#

Manual Integrations

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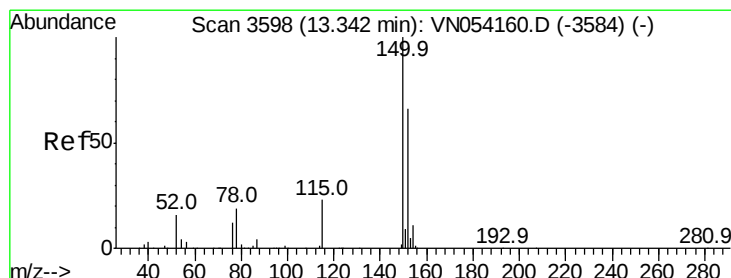
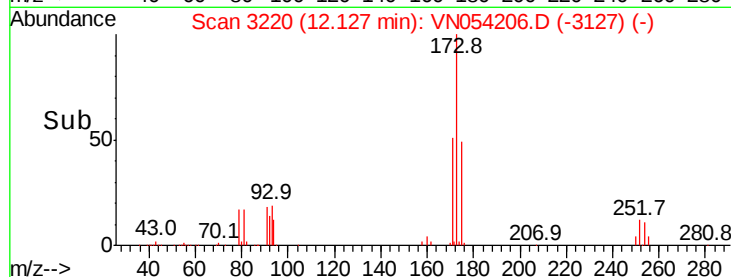
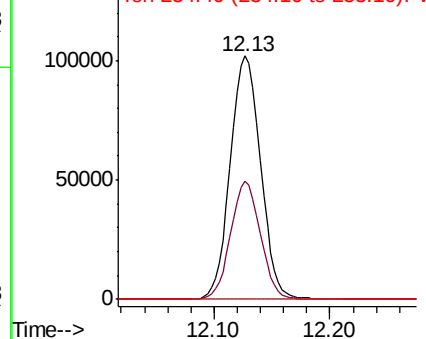
3/14/2019 10:27:11 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

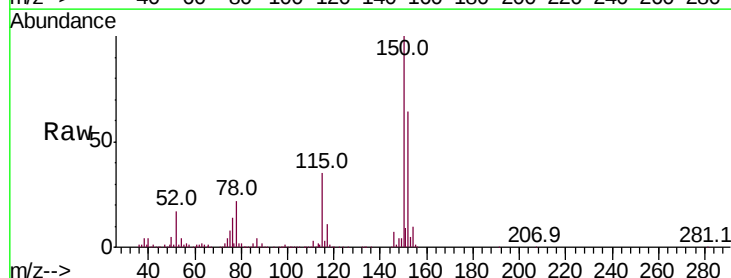
Tgt Ion:152 Resp: 900734

Ion Ratio Lower Upper

152 100

115 54.4 27.2 81.6

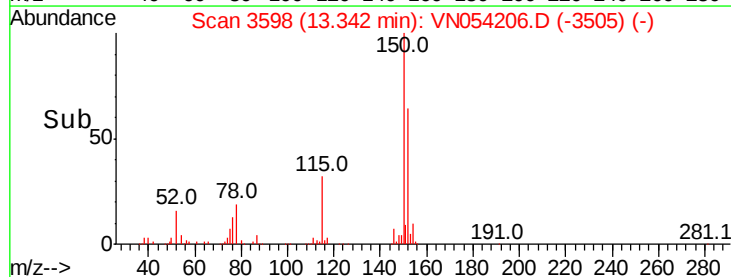
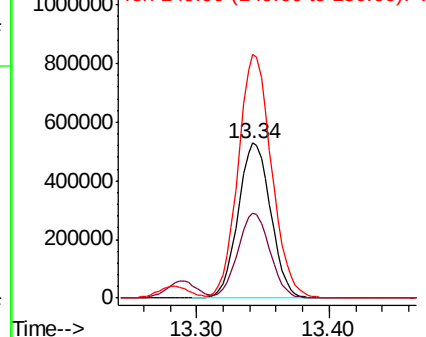
150 161.4 0.0 349.2

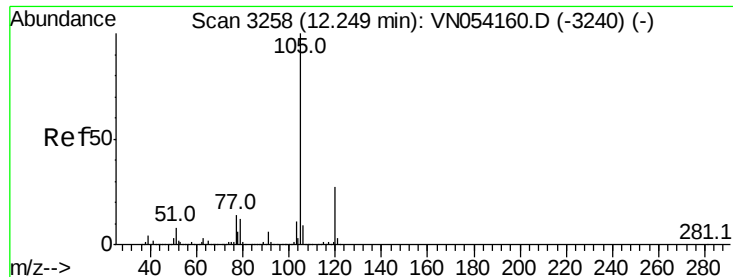


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.840 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:105 Resp: 1429739

Ion Ratio Lower Upper

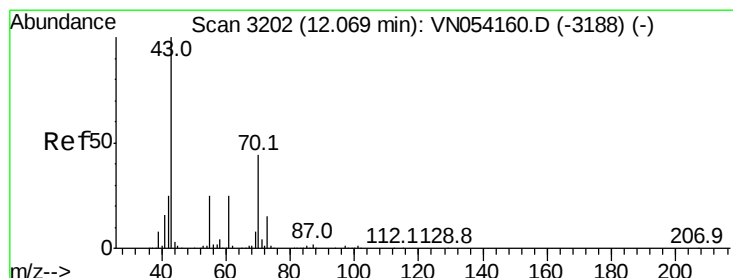
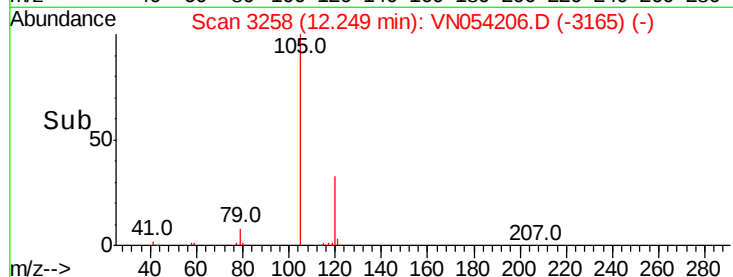
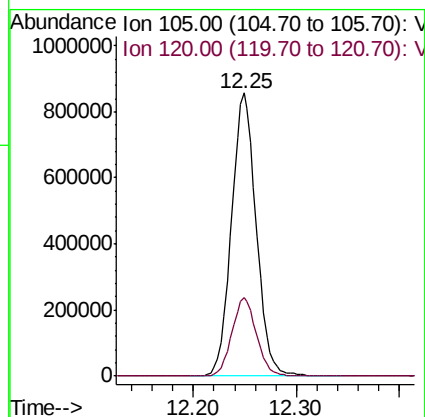
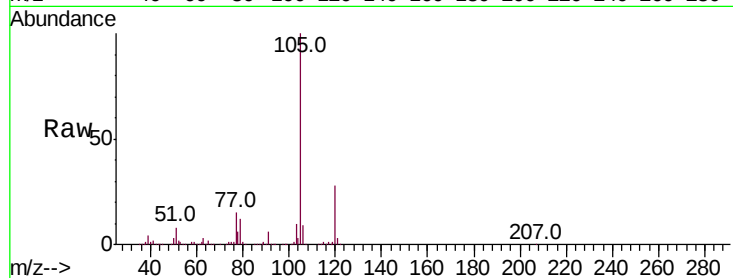
105 100

120 27.6 13.8 41.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion: 43 Resp: 306117

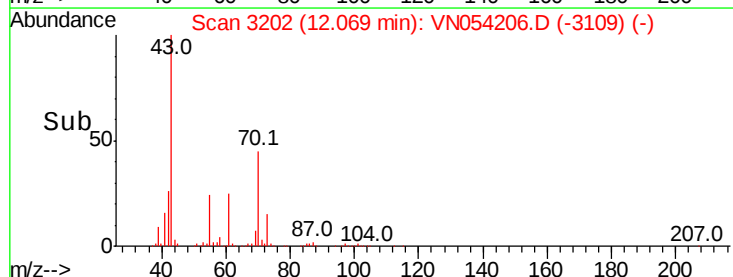
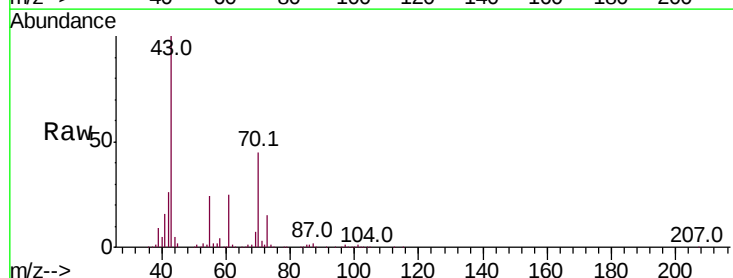
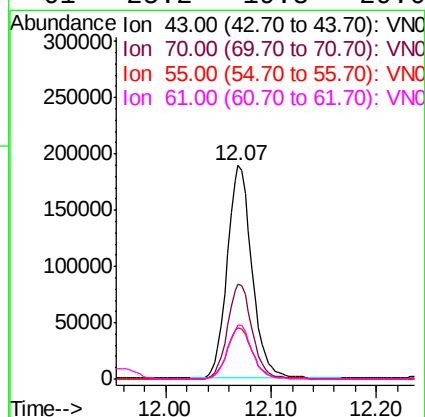
Ion Ratio Lower Upper

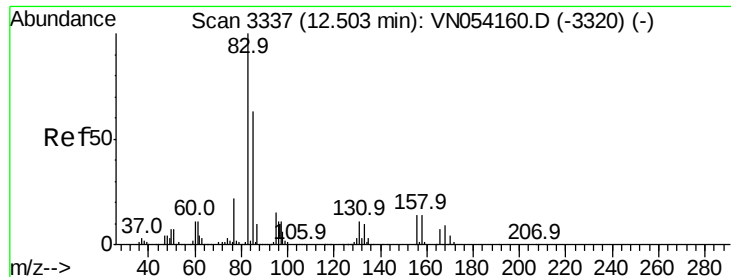
43 100

70 44.8 35.4 53.0

55 25.0 19.8 29.6

61 25.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.528 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 83 Resp: 299823
Ion Ratio Lower Upper

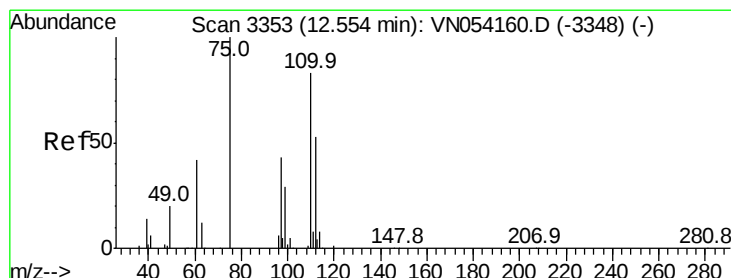
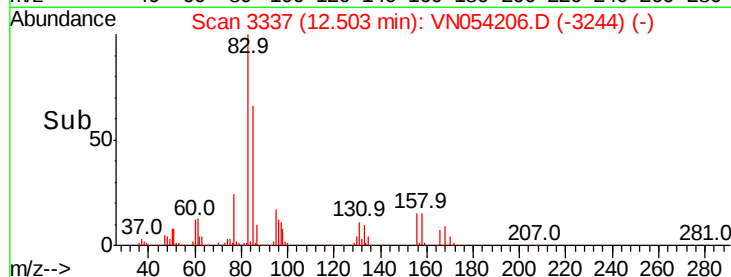
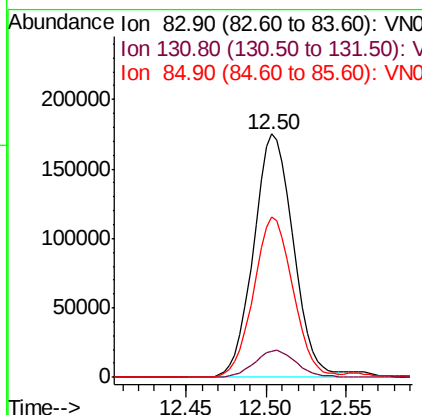
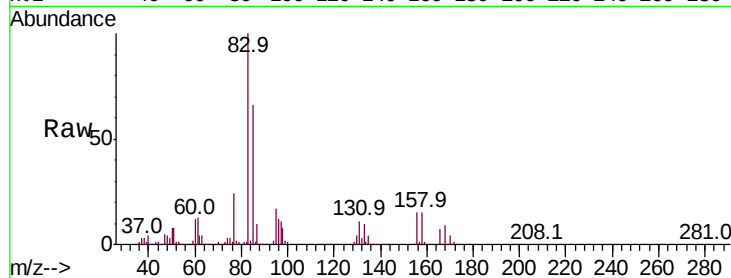
83 100

131 11.7 5.8 17.4

85 65.6 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 20.885 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

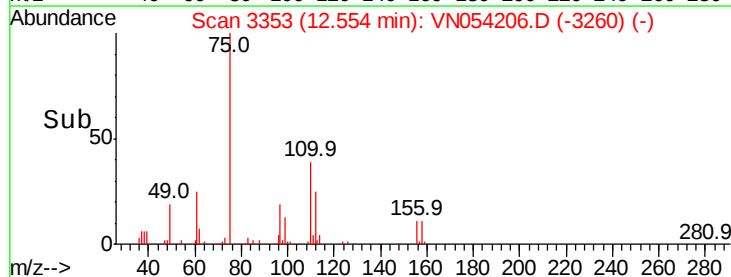
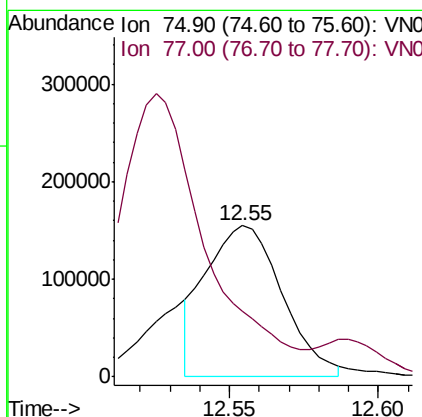
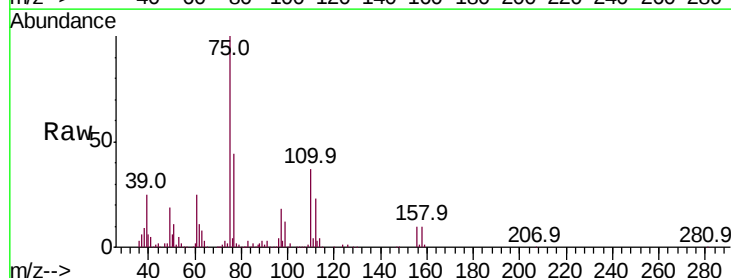
Lab File: VN054206.D

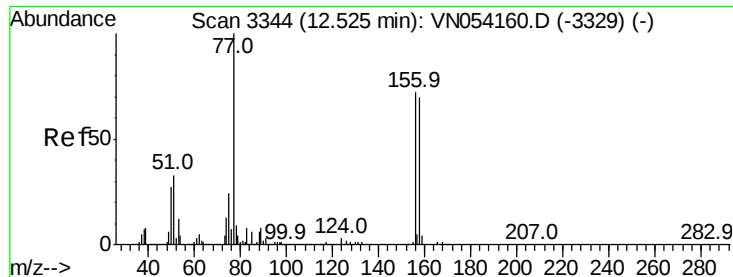
Acq: 13 Mar 2019 12:36

Tgt Ion: 75 Resp: 276640
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.855 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

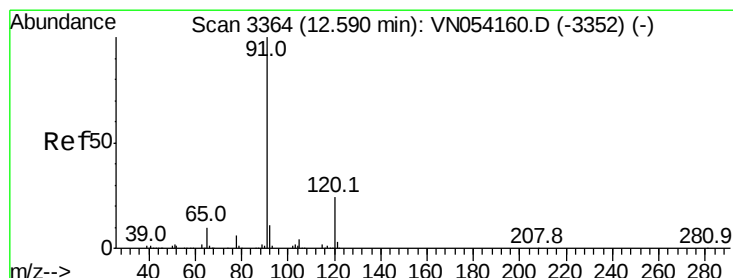
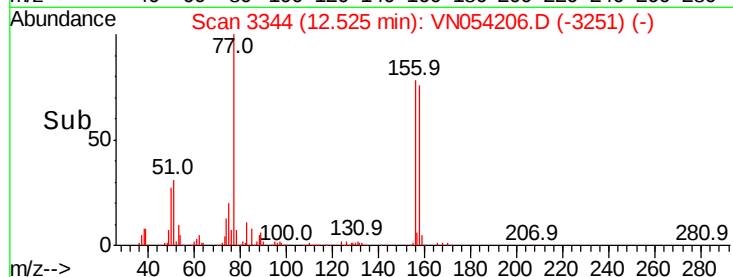
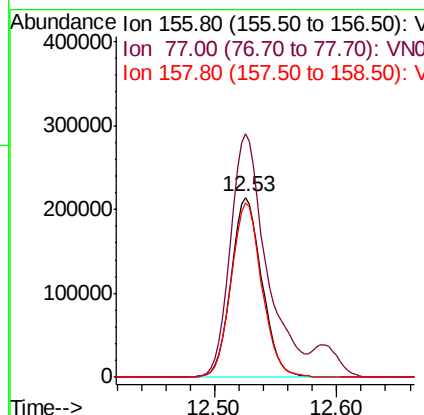
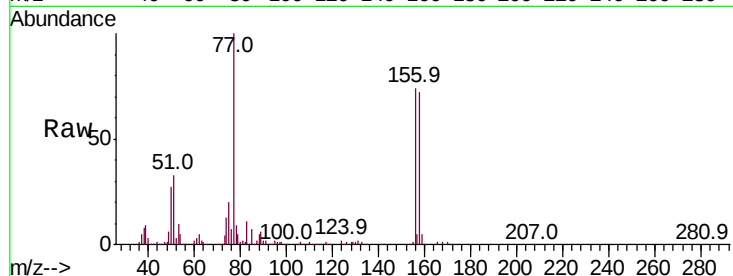
ClientSampleId :

VN0313WBS01

Tot Ion:	156	Resp:	378618
Ion Ratio	Lower	Upper	
156	100		
77	157.4	81.5	244.4
158	96.8	49.0	147.2

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#78

n-propylbenzene

Concen: 19.903 ug/l

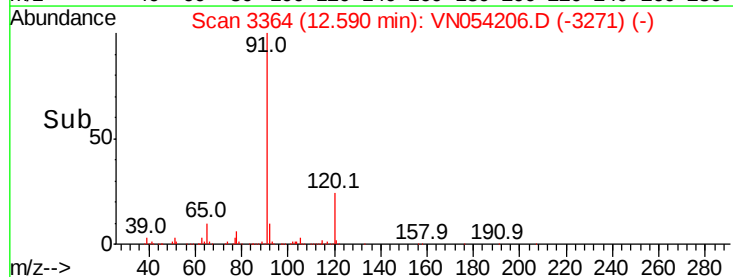
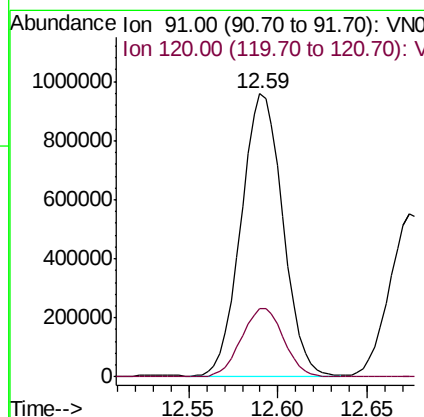
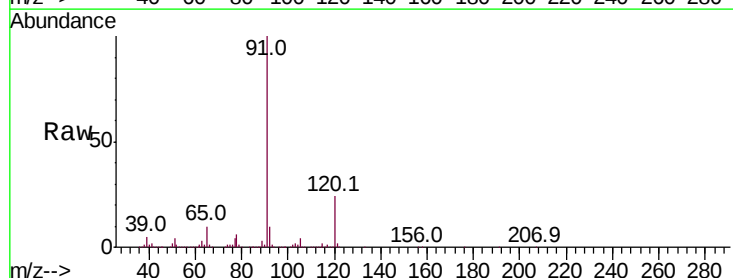
RT: 12.59 min Scan# 3364

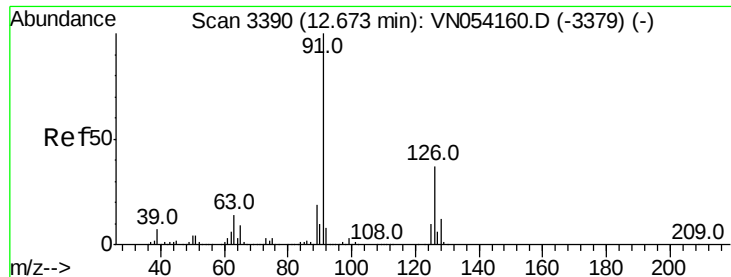
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	91	Resp:	1556301
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.9





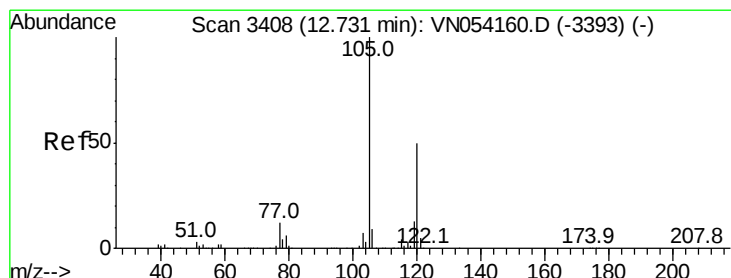
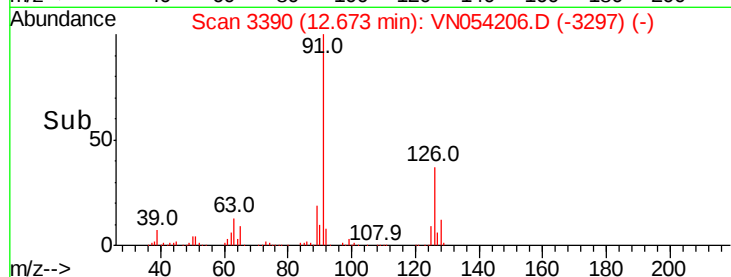
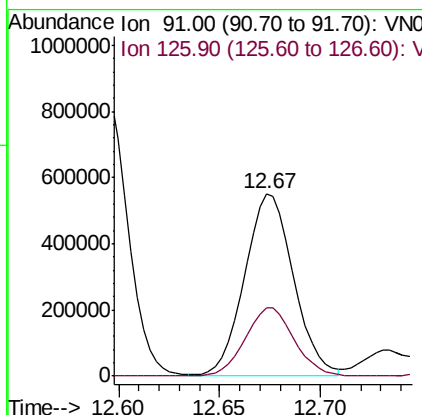
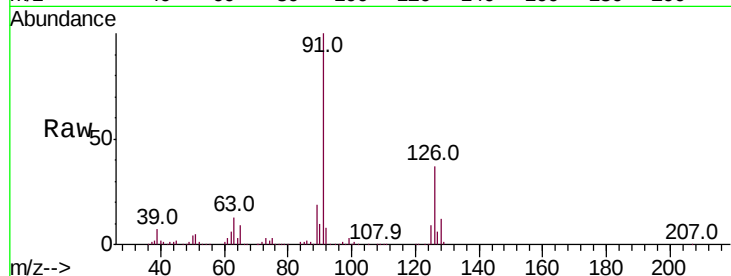
#79
 2-Chlorotoluene
 Concen: 19.779 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion: 91 Resp: 929926
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.7 56.1

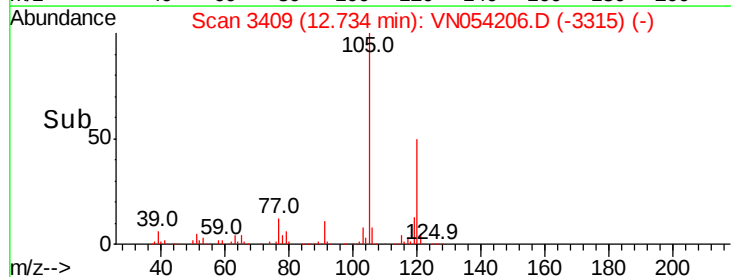
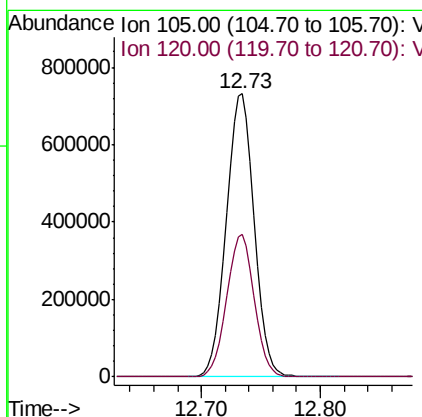
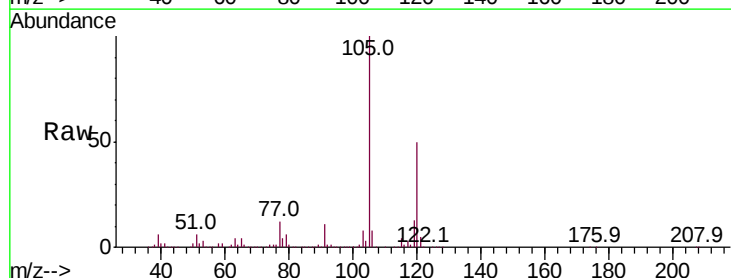
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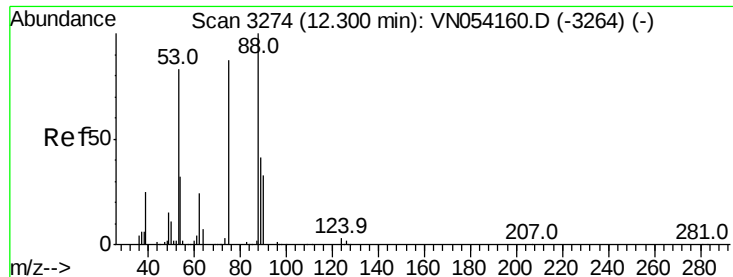
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.770 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN054206.D
 Acq: 13 Mar 2019 12:36

Tgt Ion: 105 Resp: 1185047
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 15.585 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

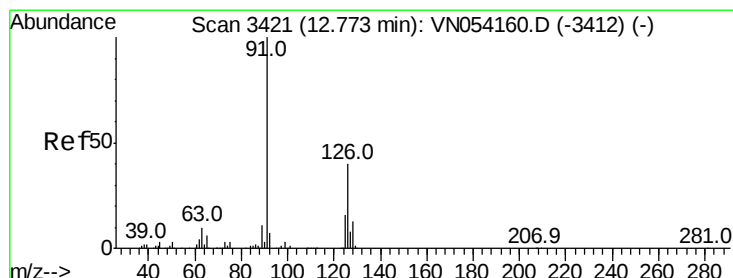
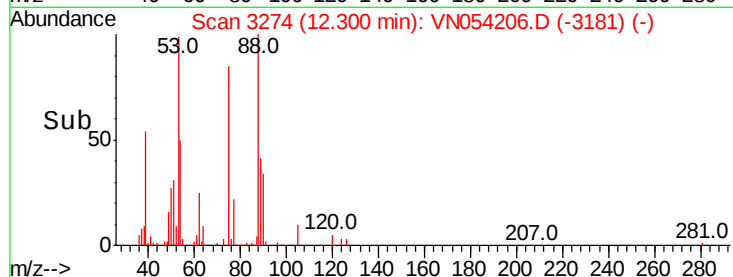
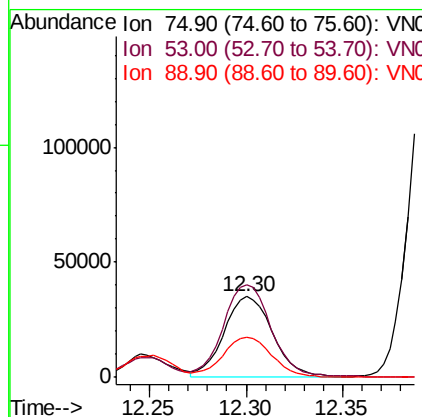
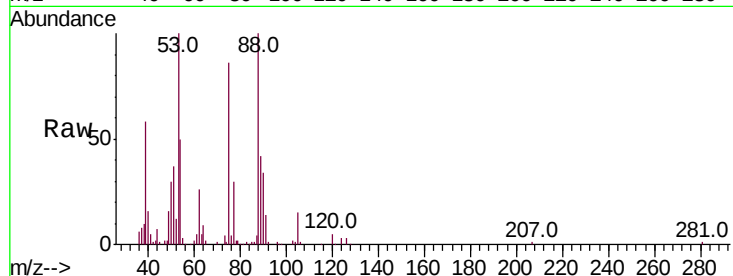
ClientSampled :

VN0313WBS01

Tot Ion:	75	Resp:	60388
Ion	Ratio	Lower	Upper
75	100		
53	113.1	76.2	114.2
89	51.4	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.859 ug/l

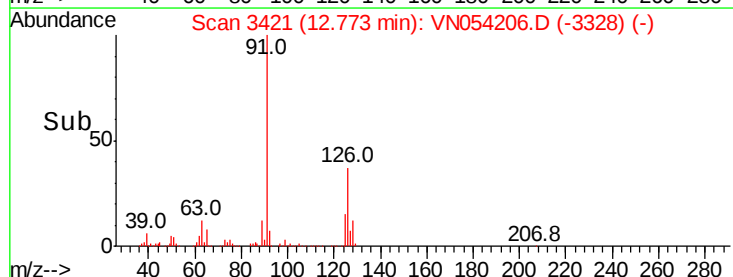
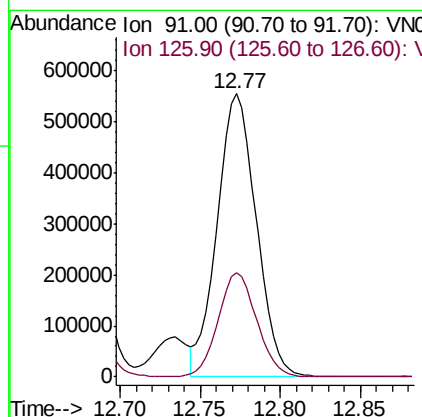
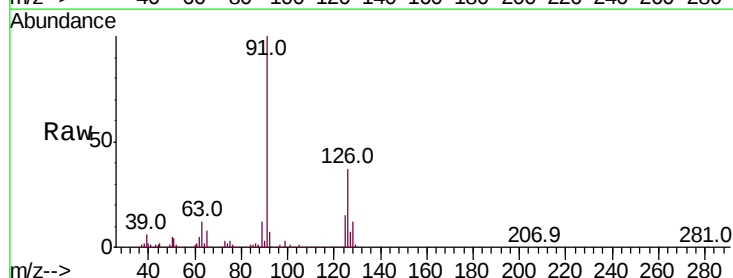
RT: 12.77 min Scan# 3421

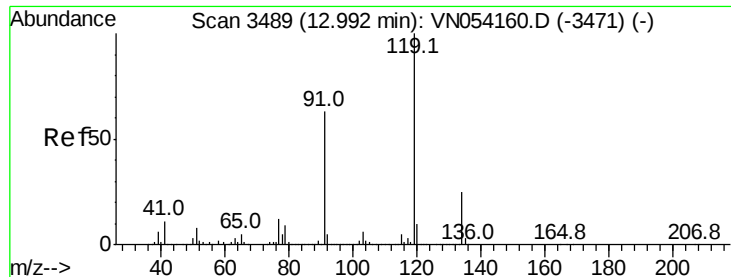
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	91	Resp:	932342
Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.1





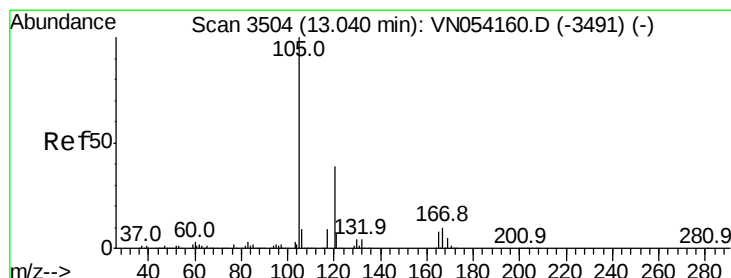
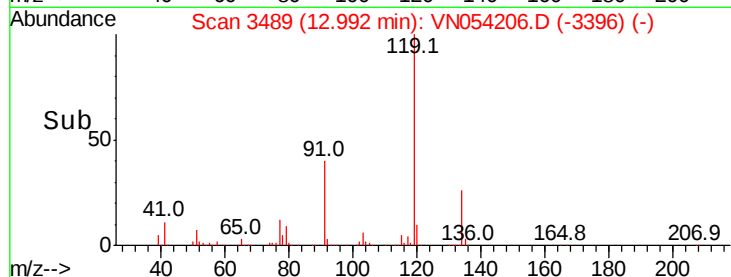
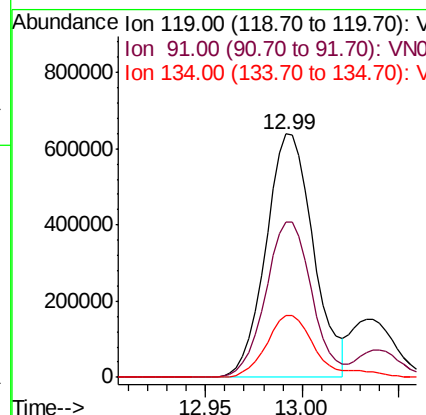
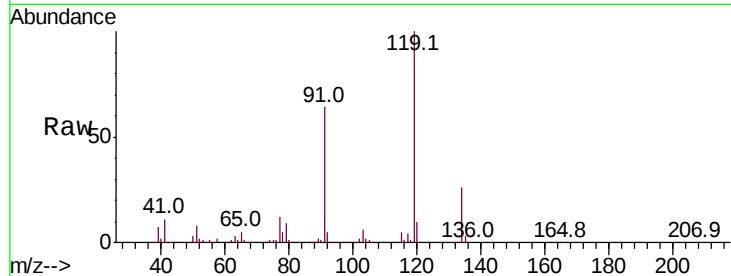
#83
tert-Butylbenzene
Concen: 19.747 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.9	92.8
134	26.8	13.2	39.6

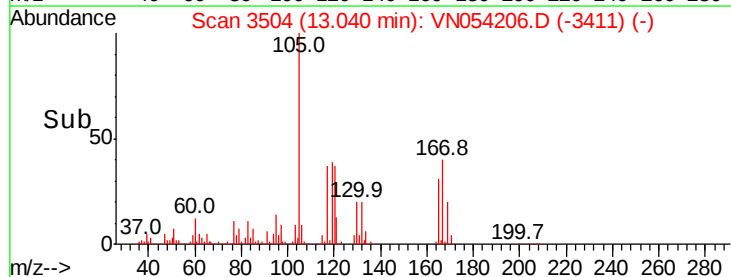
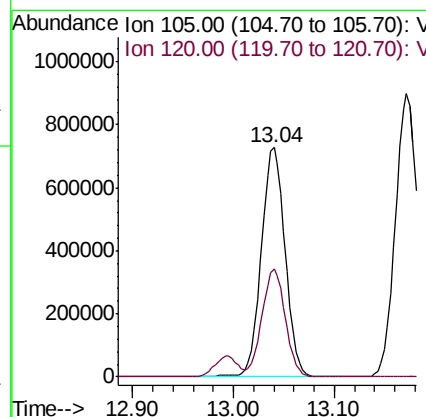
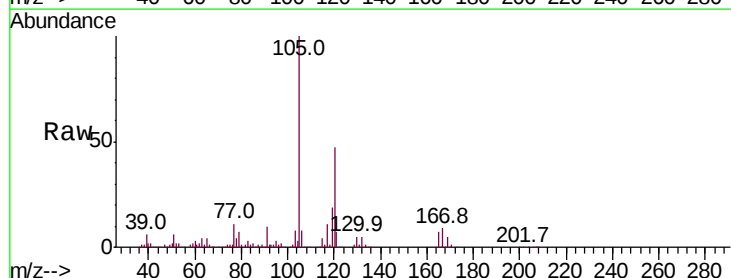
Manual Integrations
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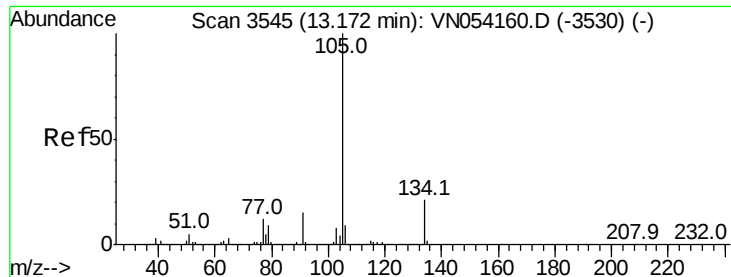
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.146 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 19.816 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0313WBS01

Tot Ion:105 Resp: 1417849

Ion Ratio Lower Upper

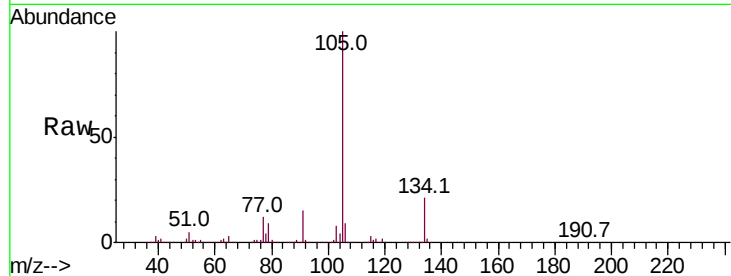
105 100

134 21.5 10.7 32.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

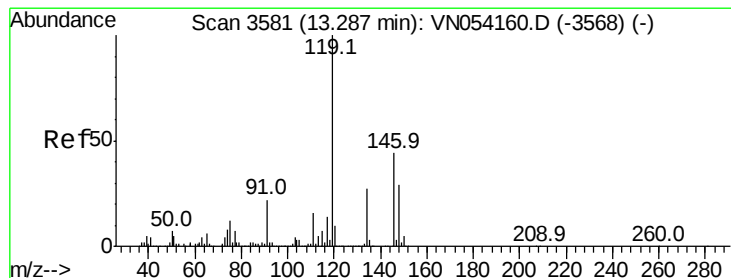
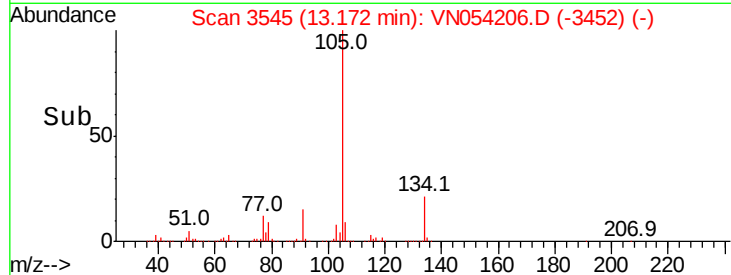
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.055 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

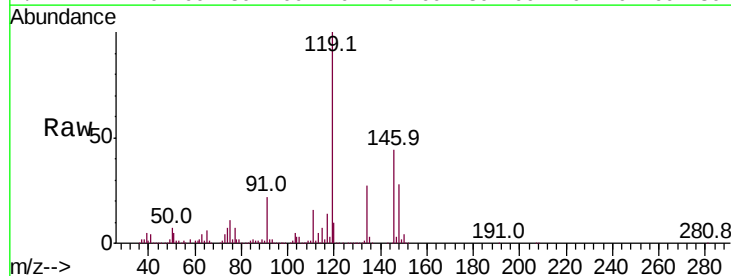
Tgt Ion:119 Resp: 1258889

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

91 22.2 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

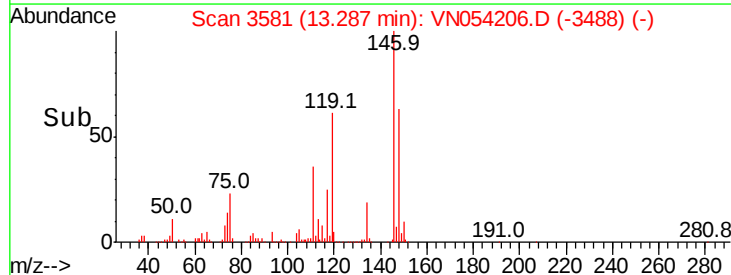
600000

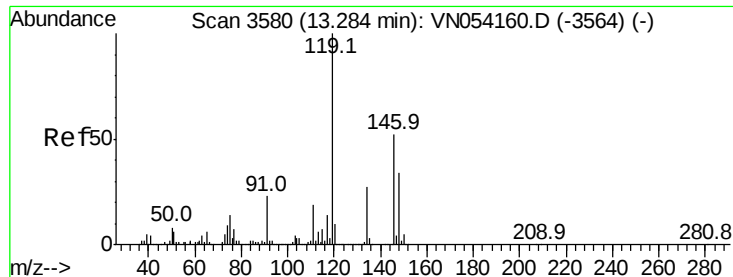
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.553 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

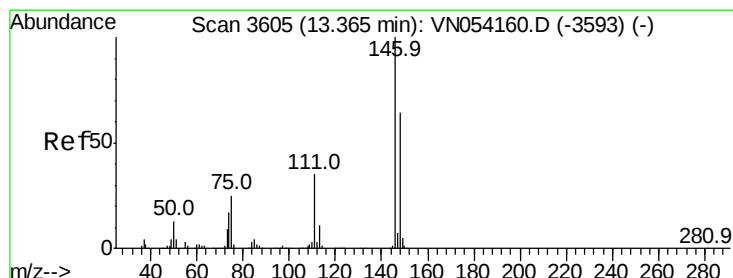
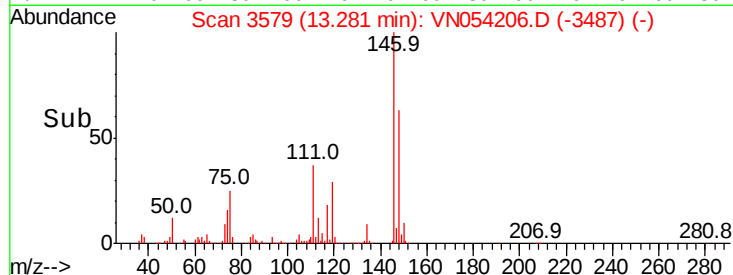
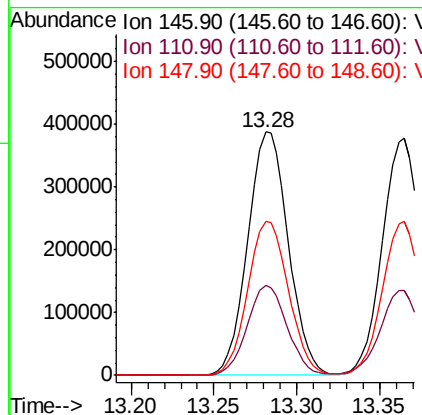
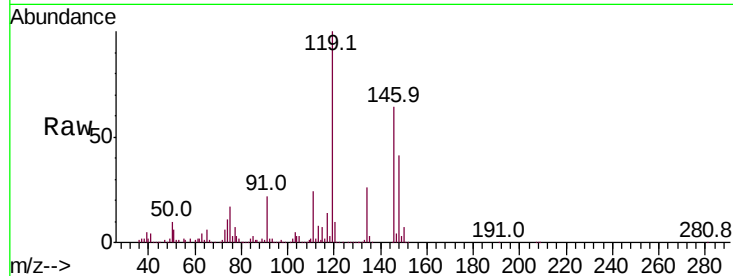
ClientSampleId :

VN0313WBS01

Tot Ion:	146	Resp:	660403
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.8	56.3
148	63.6	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.846 ug/l

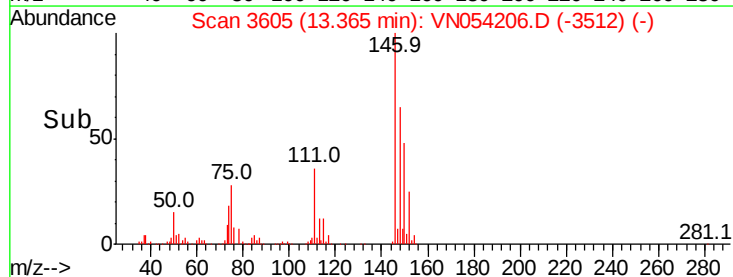
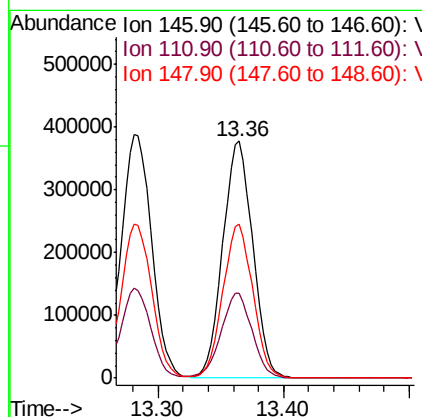
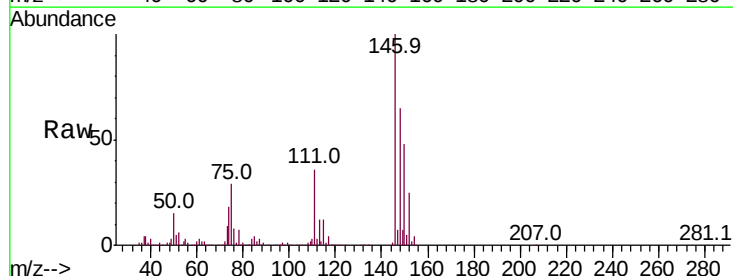
RT: 13.36 min Scan# 3605

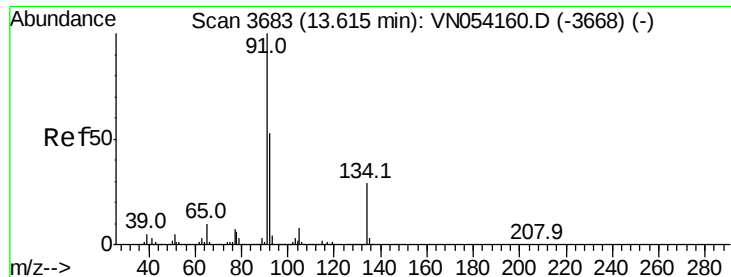
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	146	Resp:	626468
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.1	54.1
148	64.7	32.0	96.0





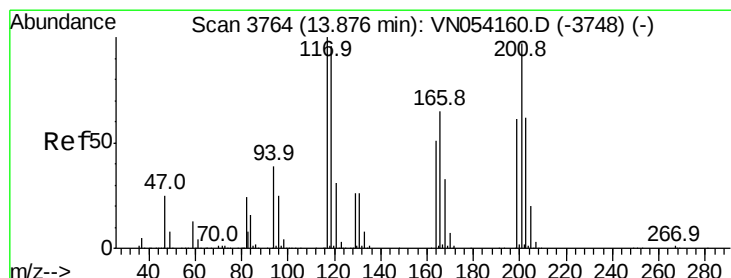
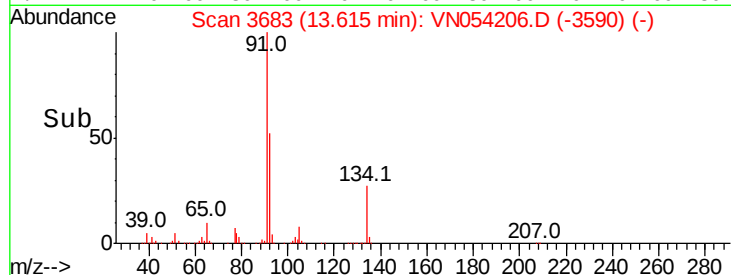
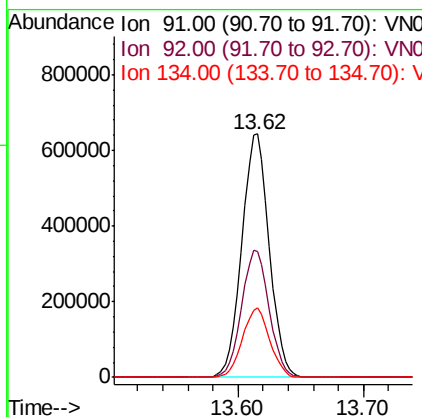
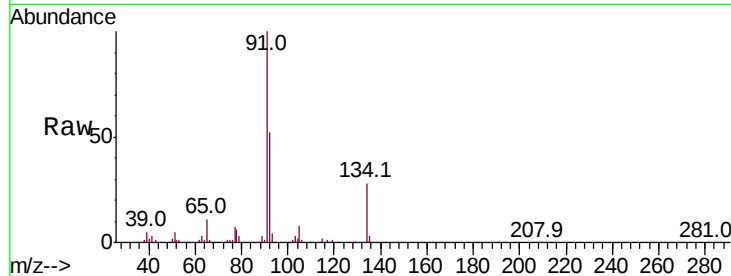
#89
n-Butylbenzene
Concen: 20.448 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.6
134	28.5	14.3	42.9

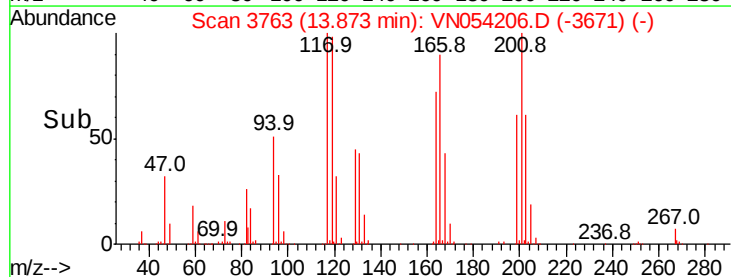
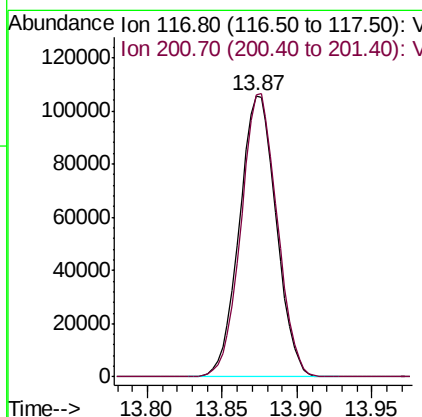
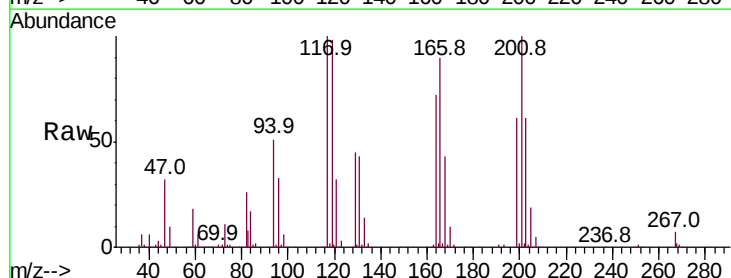
Manual Integrations
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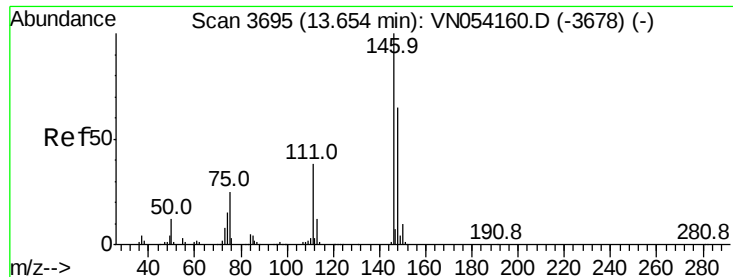
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#90
Hexachloroethane
Concen: 17.398 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054206.D
Acq: 13 Mar 2019 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.6	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.415 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

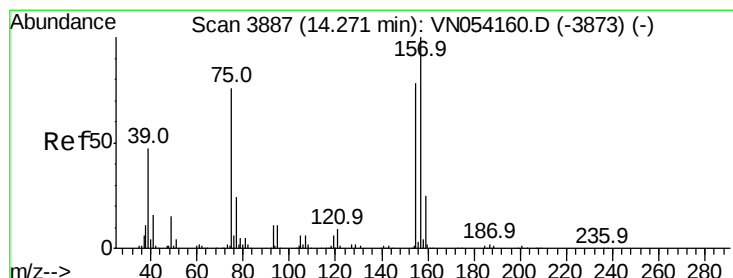
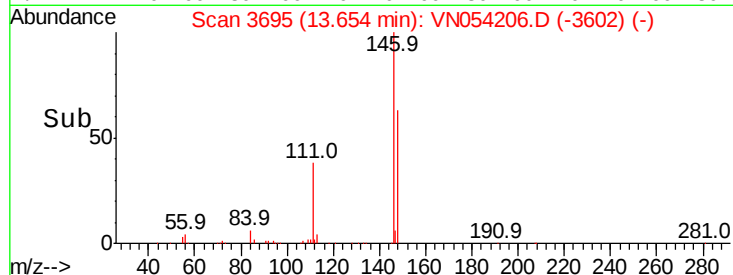
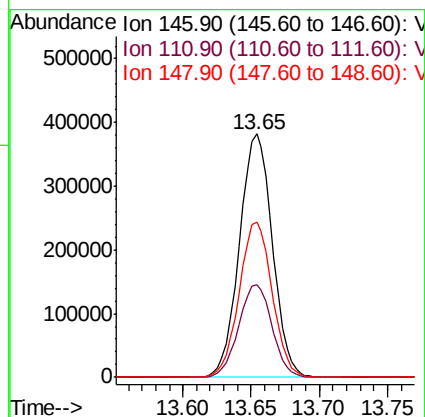
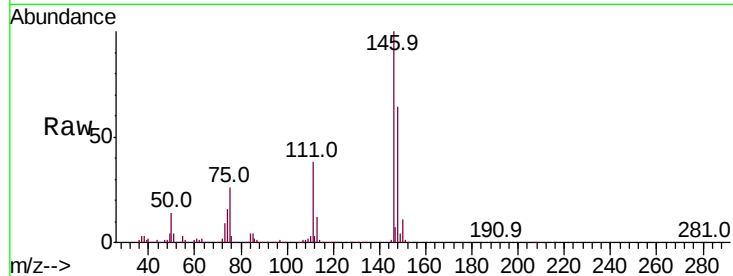
ClientSampleId :

VN0313WBS01

Tot Ion:	146	Resp:	641279
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.1	57.3
148	63.9	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.525 ug/l

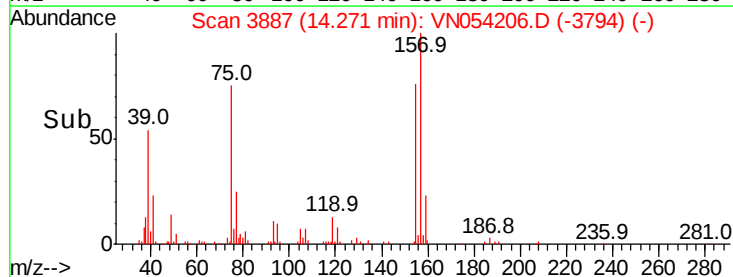
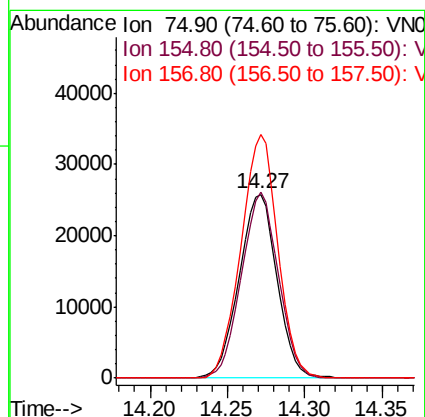
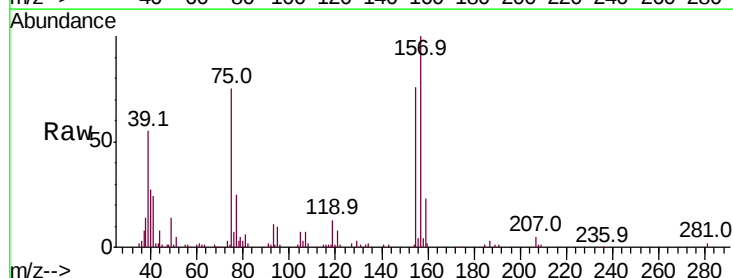
RT: 14.27 min Scan# 3887

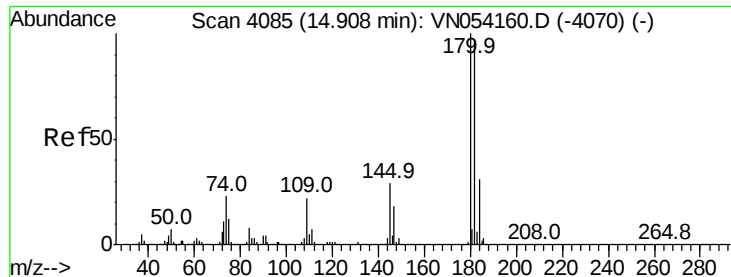
Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	75	Resp:	44013
Ion Ratio	Lower	Upper	
75	100		
155	98.5	50.1	150.3
157	128.8	63.1	189.3





#93

1,2,4-Trichlorobenzene

Concen: 19.136 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

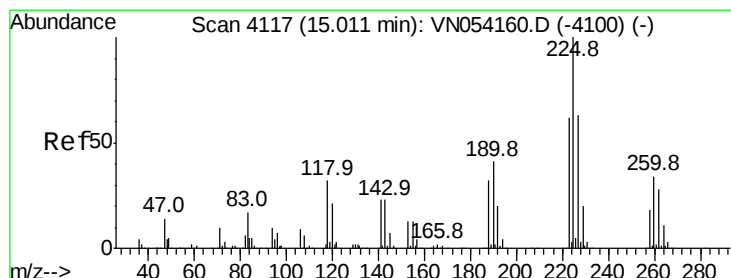
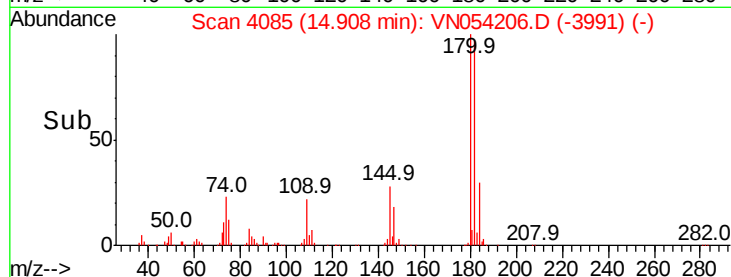
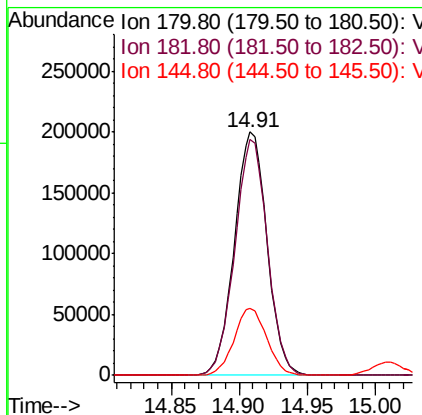
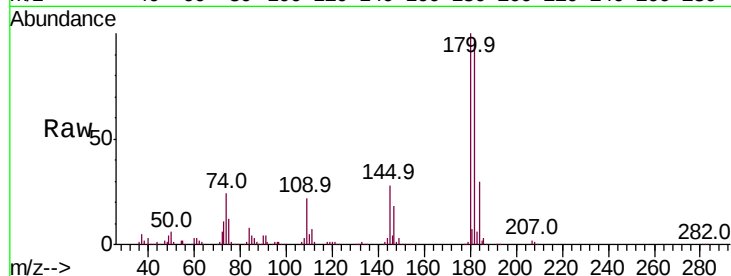
ClientSampleId :

VN0313WBS01

Tot Ion:	180	Resp:	331889
Ion Ratio	Lower	Upper	
180	100		
182	96.7	48.0	144.2
145	27.6	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:11 AM



#94

Hexachlorobutadiene

Concen: 20.931 ug/l

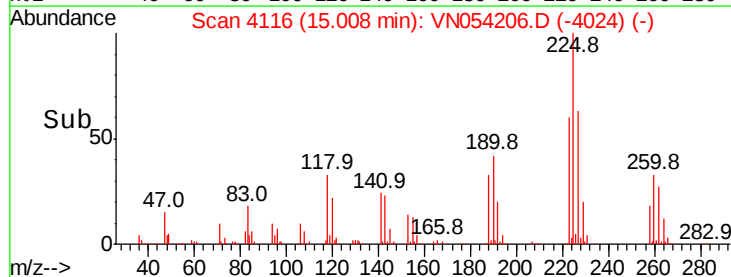
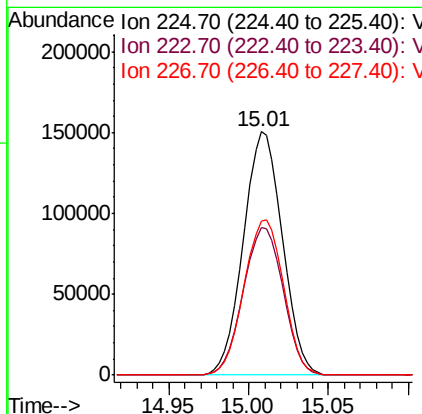
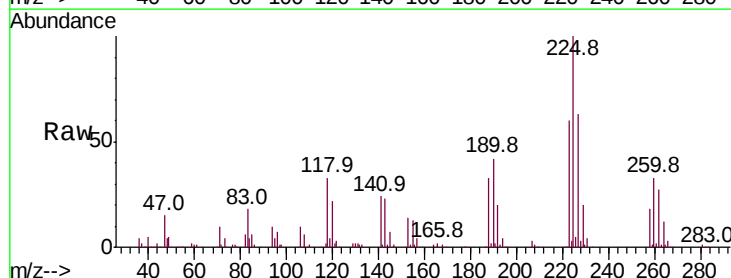
RT: 15.01 min Scan# 4116

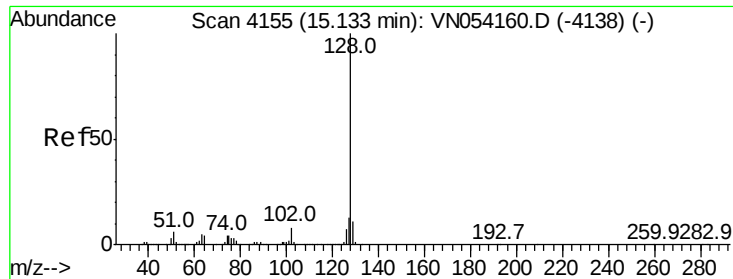
Delta R.T. -0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	225	Resp:	250436
Ion Ratio	Lower	Upper	
225	100		
223	62.0	31.1	93.5
227	64.7	31.9	95.9





#95

Naphthalene

Concen: 18.633 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Instrument :

MSVOA_N

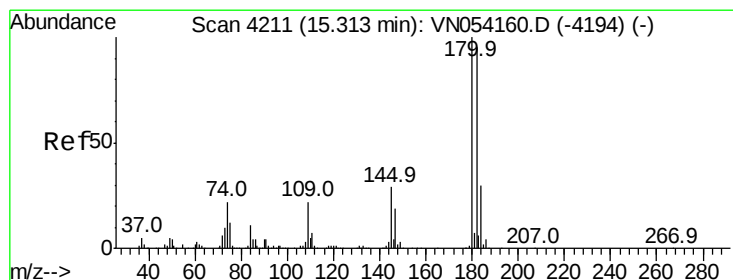
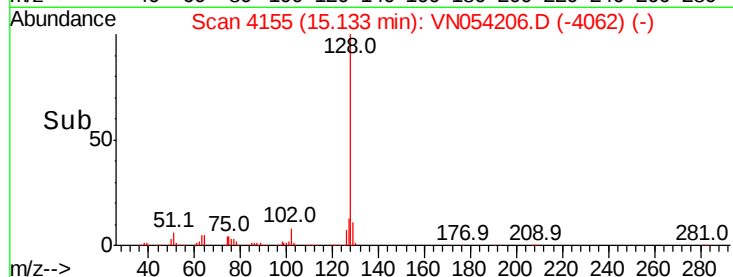
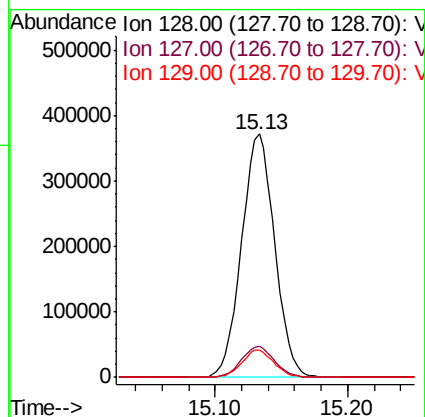
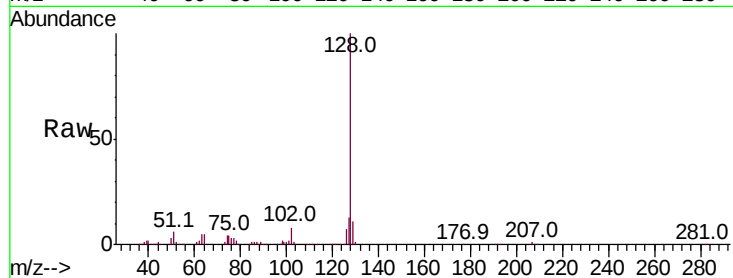
ClientSampleId :

VN0313WBS01

Tot Ion:	128	Resp:	643711
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/14/2019 10:27:11 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.936 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054206.D

Acq: 13 Mar 2019 12:36

Tgt Ion:	180	Resp:	349423
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.5	142.6
145	28.9	14.8	44.3

