

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054163.D
 Acq On : 12 Mar 2019 13:51
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:27 AM

Quant Time: Mar 13 07:39:32 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	1807433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2587335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2291495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1147023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	892543	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	7.59	113	822646	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	10.09	98	3042286	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	12.40	95	1090904	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	908174	53.017	ug/l	99
3) Chloromethane	2.06	50	791164	47.547	ug/l	99
4) Vinyl Chloride	2.19	62	892928	46.951	ug/l	99
5) Bromomethane	2.57	94	597397	45.354	ug/l	99
6) Chloroethane	2.71	64	519400	45.138	ug/l	99
7) Trichlorofluoromethane	3.02	101	1169336	46.245	ug/l	99
8) Diethyl Ether	3.41	74	570193	49.484	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	987282	52.104	ug/l	100
10) Methyl Iodide	3.94	142	1254063	46.706	ug/l	99
11) Tert butyl alcohol	4.81	59	330003	250.781	ug/l	99
12) 1,1-Dichloroethene	3.73	96	934841	49.786	ug/l	99
13) Acrolein	3.61	56	275238	220.733	ug/l	100
14) Allyl chloride	4.32	41	1247045	51.762	ug/l	100
15) Acrylonitrile	4.99	53	1389935	257.142	ug/l	99
16) Acetone	3.82	43	1389290	252.784	ug/l	100
17) Carbon Disulfide	4.04	76	2507977	53.280	ug/l	99
18) Methyl Acetate	4.33	43	586603	52.755	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2373129	50.988	ug/l	100
20) Methylene Chloride	4.54	84	888000	49.207	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	903388	50.213	ug/l	98
22) Diisopropyl ether	5.96	45	2453936	51.035	ug/l	99
23) Vinyl Acetate	5.90	43	9336227	263.349	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1541248	49.922	ug/l	99
25) 2-Butanone	6.84	43	1753469	271.831	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1427909	52.594	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1025404	51.089	ug/l	100
28) Bromochloromethane	7.19	49	636635	50.441	ug/l	98
29) Tetrahydrofuran	7.22	42	1054474	254.244	ug/l	100
30) Chloroform	7.37	83	1619403	50.267	ug/l	100
31) Cyclohexane	7.65	56	1459761	50.588	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1476732	50.755	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1285589	53.955	ug/l	100
37) Ethyl Acetate	6.93	43	725360	52.982	ug/l	99
38) Carbon Tetrachloride	7.77	117	1322388	52.923	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1643701	56.068	ug/l	100
40) Benzene	8.04	78	3641609	53.409	ug/l	98
41) Methacrylonitrile	7.18	41	387198	49.533	ug/l	95
42) 1,2-Dichloroethane	8.12	62	1197738	52.031	ug/l	99
43) Isopropyl Acetate	8.17	43	1299958	54.095	ug/l	98
44) Trichloroethene	8.83	130	1122495	52.995	ug/l	100
45) 1,2-Dichloropropane	9.12	63	903825	53.384	ug/l	99
46) Dibromomethane	9.21	93	601548	52.586	ug/l	98
47) Bromodichloromethane	9.40	83	1248683	54.449	ug/l	97
48) Methyl methacrylate	9.20	41	648147	53.147	ug/l	96
49) 1,4-Dioxane	9.20	88	189519	1098.646	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3545842	278.818	ug/l	100
52) Toluene	10.16	92	2313510	53.512	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1328883	50.637	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1482934	55.491	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	831457	52.670	ug/l	99
56) Ethyl methacrylate	10.43	69	1054549	56.025	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1379580	53.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1911441	235.141	ug/l	99
59) 2-Hexanone	10.75	43	2397907	283.369	ug/l	100
60) Dibromochloromethane	10.90	129	980989	55.210	ug/l	100
61) 1,2-Dibromoethane	11.01	107	863665	53.837	ug/l	99
64) Tetrachloroethene	10.63	164	1114385	50.299	ug/l	99
65) Chlorobenzene	11.43	112	2677449	53.214	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	994670	54.419	ug/l	99
67) Ethyl Benzene	11.51	91	4435214	53.176	ug/l	99
68) m/p-Xylenes	11.62	106	3537555	108.518	ug/l	100
69) o-Xylene	11.95	106	1701292	53.536	ug/l	100
70) Styrene	11.96	104	2740832	54.994	ug/l	100
71) Bromoform	12.13	173	696504	49.989	ug/l #	99
73) Isopropylbenzene	12.25	105	4542893	49.504	ug/l	100
74) N-amyl acetate	12.07	43	1112351	54.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	978112	50.026	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	745059m	44.171	ug/l	
77) Bromobenzene	12.53	156	1205636	49.648	ug/l	99
78) n-propylbenzene	12.59	91	5185410	52.075	ug/l	100
79) 2-Chlorotoluene	12.67	91	3001976	50.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3875216	50.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	265808	53.870	ug/l	98
82) 4-Chlorotoluene	12.77	91	3094662	51.764	ug/l	100
83) tert-Butylbenzene	12.99	119	3515241	50.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3934227	52.536	ug/l	99
85) sec-Butylbenzene	13.17	105	4656174	51.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	4191782	52.439	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2184176	53.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2142217	53.293	ug/l	100
89) n-Butylbenzene	13.61	91	3506281	57.729	ug/l	100
90) Hexachloroethane	13.87	117	695963	52.580	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	2091600	52.288	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	158230	52.298	ug/l	99

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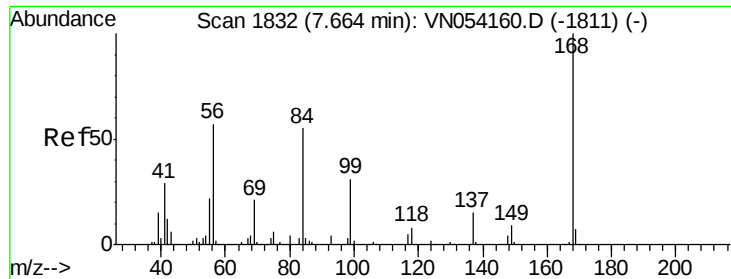
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1275741	52.683	ug/l	99
94) Hexachlorobutadiene	15.01	225	802297	52.656	ug/l	100
95) Naphthalene	15.13	128	2502640	49.763	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	1219520	57.379	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

ICVVN031219

Tgt Ion:168 Resp: 1807433

Ion Ratio Lower Upper

168 100

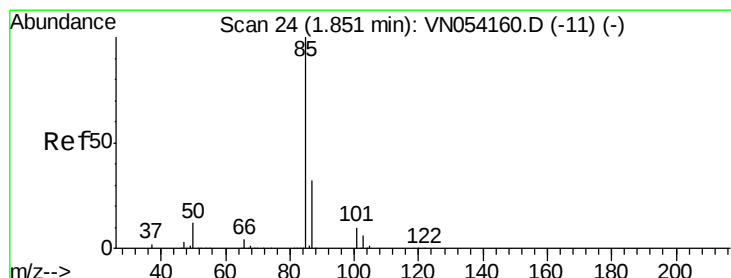
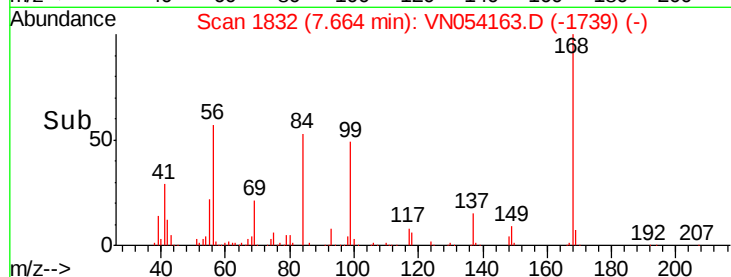
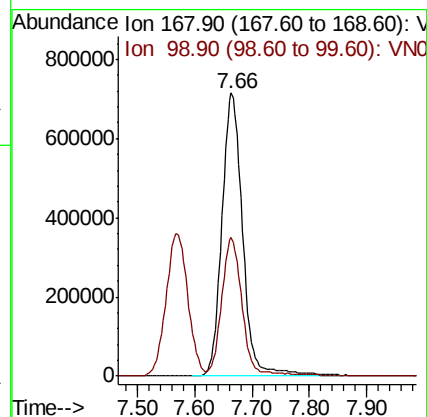
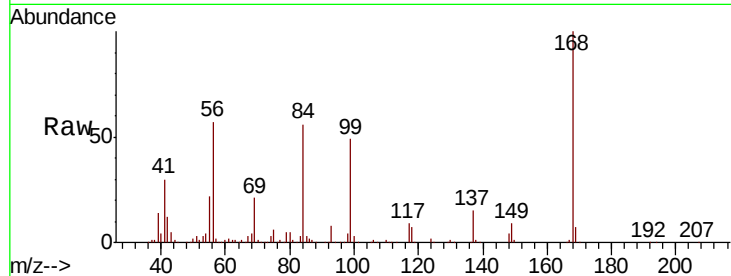
99 48.6 37.1 55.7

Manual Integrations

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3/13/2019 11:49:27 AM



#2

Dichlorodifluoromethane

Concen: 53.017 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054163.D

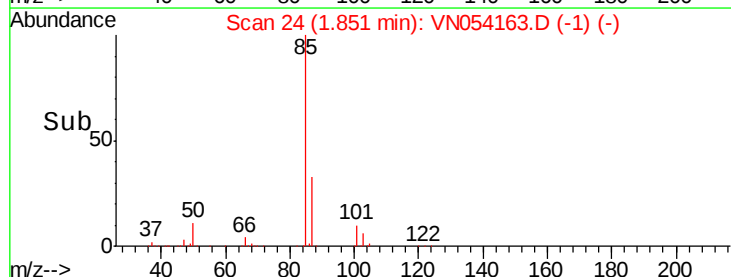
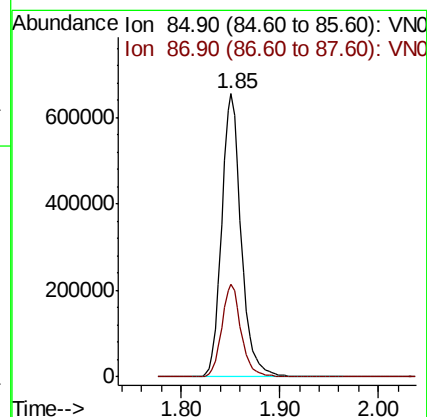
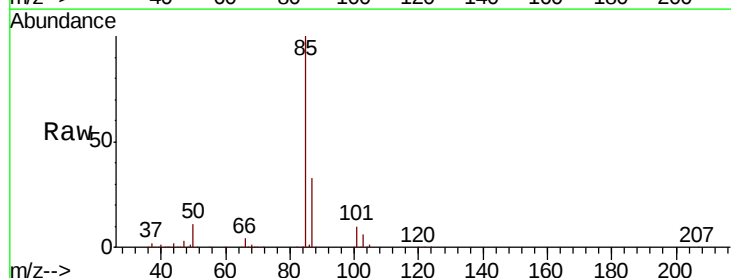
Acq: 12 Mar 2019 13:51

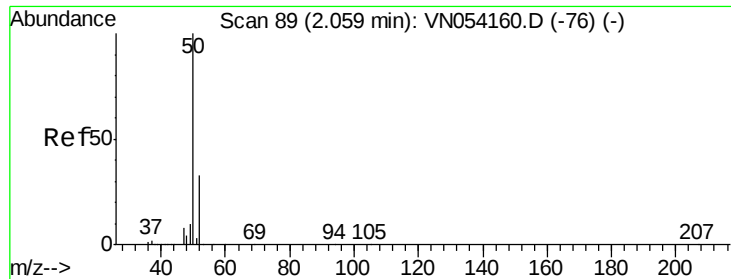
Tgt Ion: 85 Resp: 908174

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7





#3

Chloromethane

Concen: 47.547 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 50 Resp: 791164

Ion Ratio Lower Upper

50 100

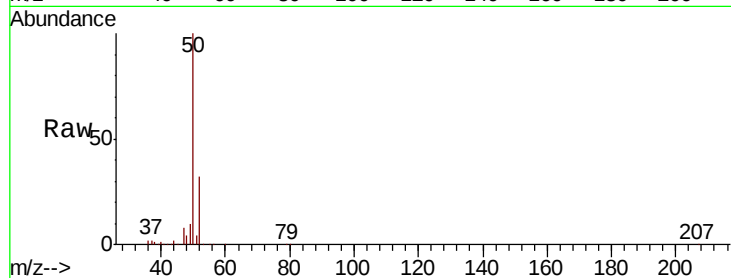
52 32.5 26.4 39.6

Manual Integrations

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3/13/2019 11:49:27 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

600000

500000

400000

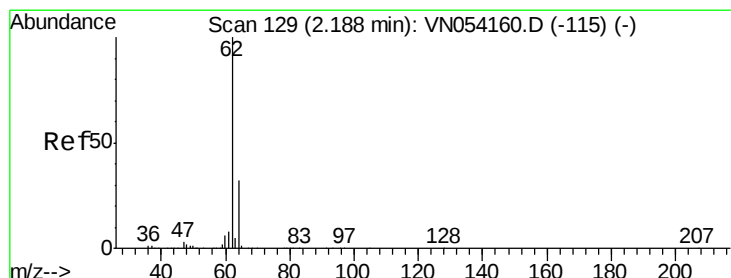
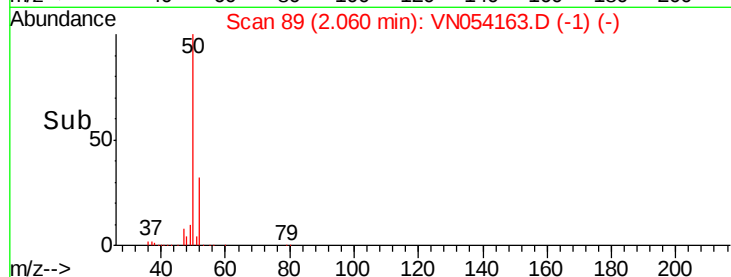
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 46.951 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054163.D

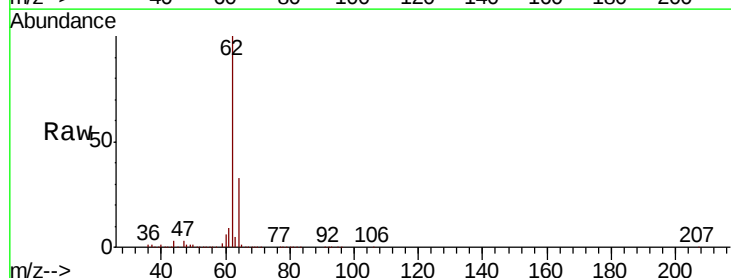
Acq: 12 Mar 2019 13:51

Tgt Ion: 62 Resp: 892928

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

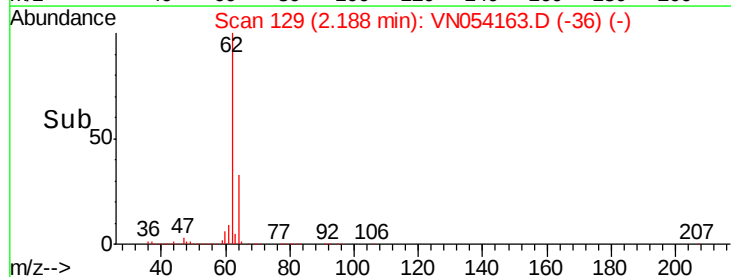
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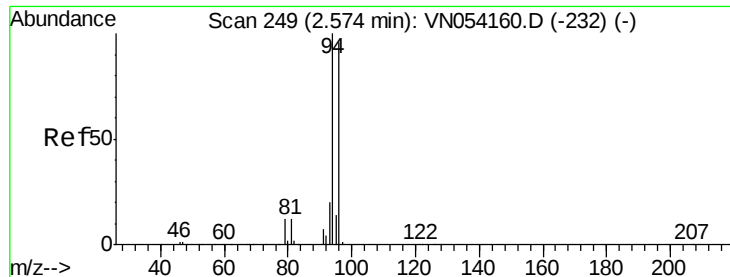
400000

200000

0

Time-->





#5

Bromomethane

Concen: 45.354 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 94 Resp: 597397

Ion Ratio Lower Upper

94 100

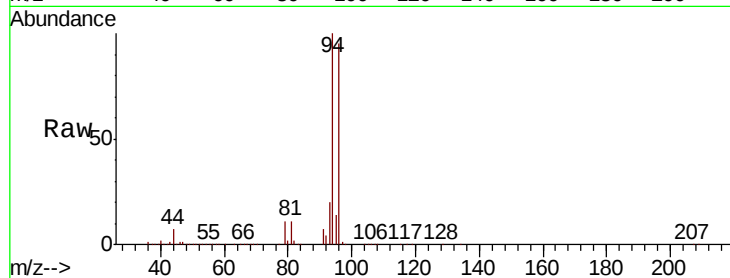
96 94.9 77.0 115.4

Manual Integrations

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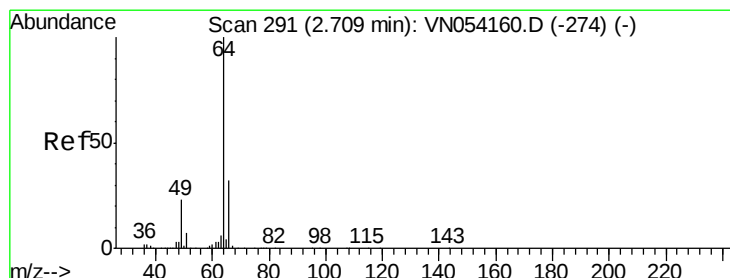
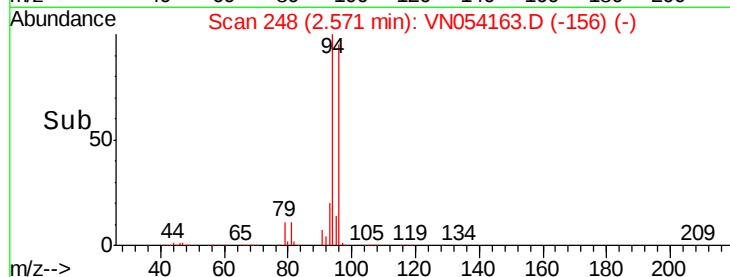
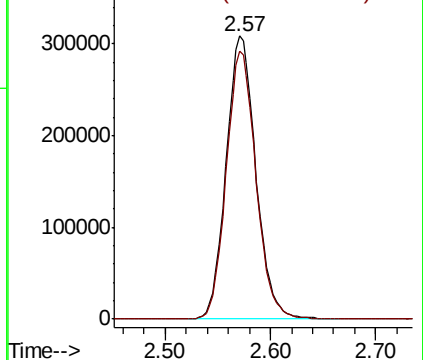
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3/13/2019 11:49:27 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.138 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN054163.D

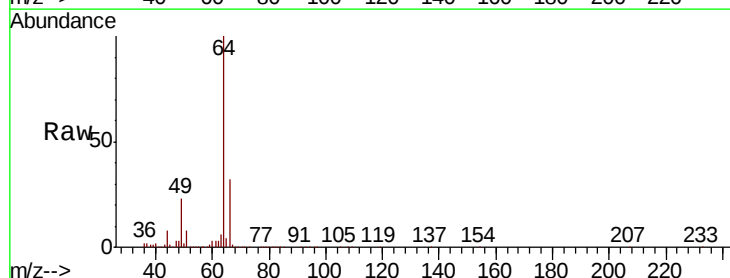
Acq: 12 Mar 2019 13:51

Tgt Ion: 64 Resp: 519400

Ion Ratio Lower Upper

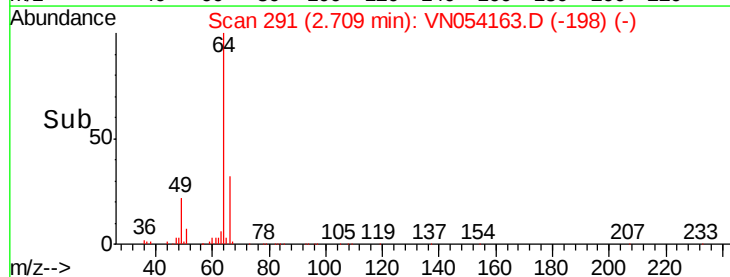
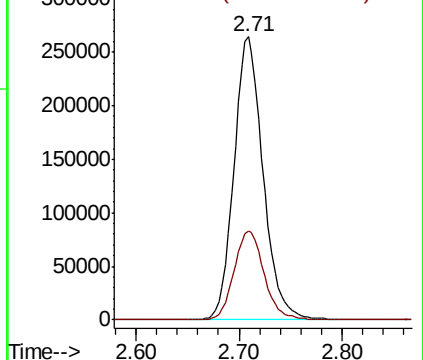
64 100

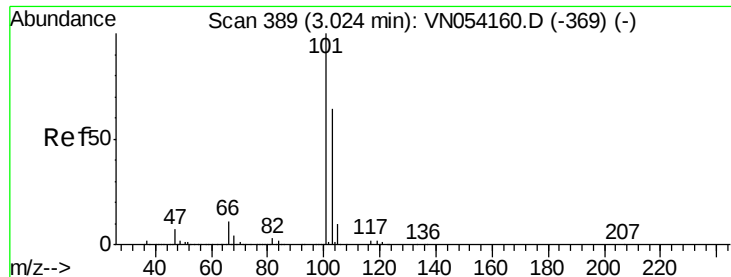
66 31.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

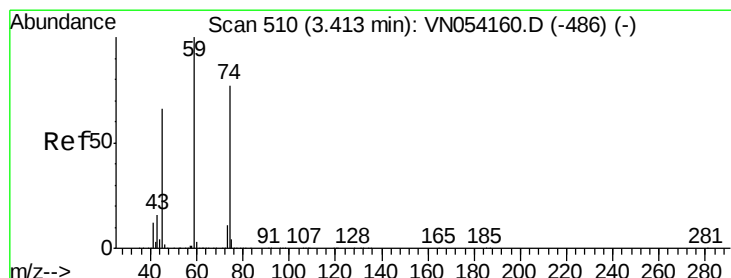
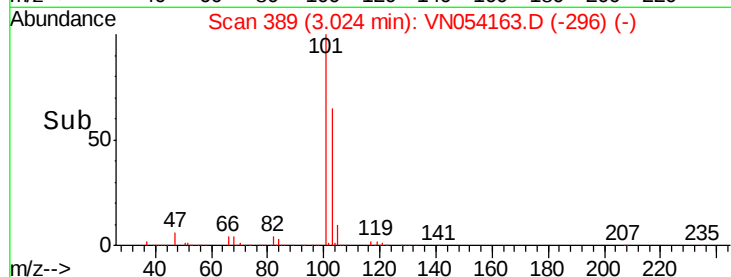
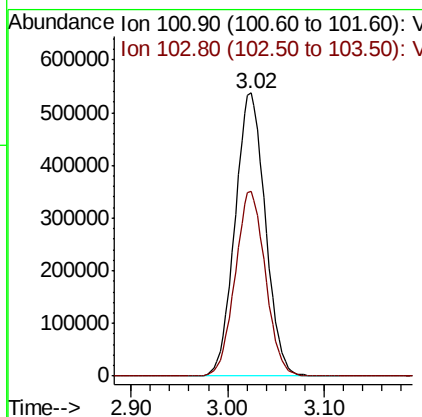
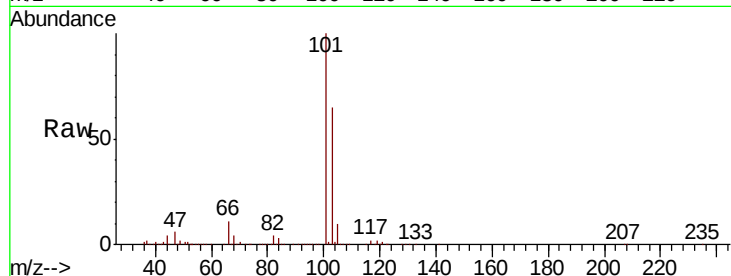
Trichlorofluoromethane
Concen: 46.245 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
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ICVVN031219

Tgt Ion: 101 Resp: 1169336
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.2

Manual Integrations
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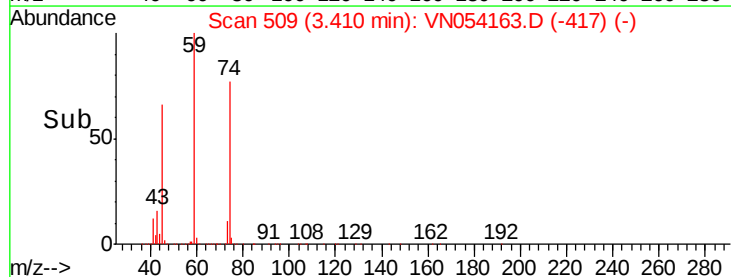
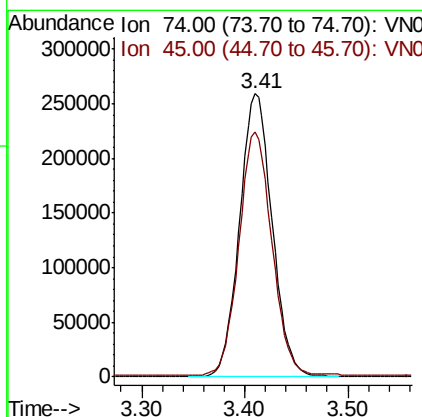
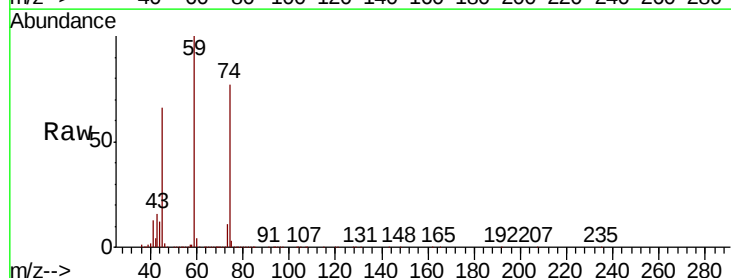
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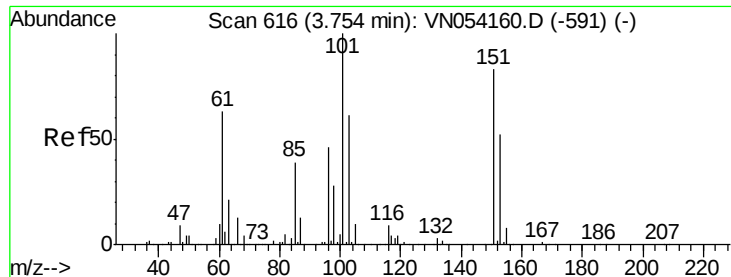


#8

Diethyl Ether
Concen: 49.484 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 74 Resp: 570193
Ion Ratio Lower Upper
74 100
45 86.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.104 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

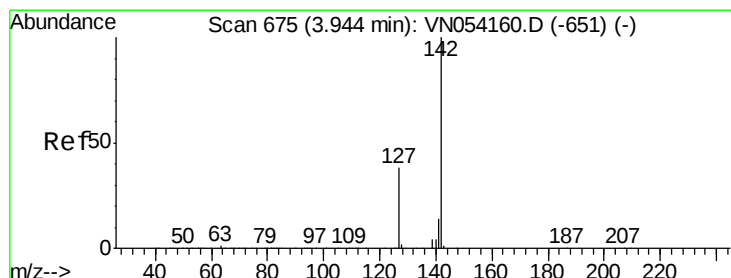
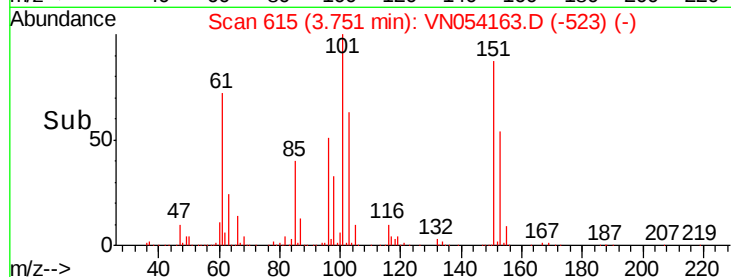
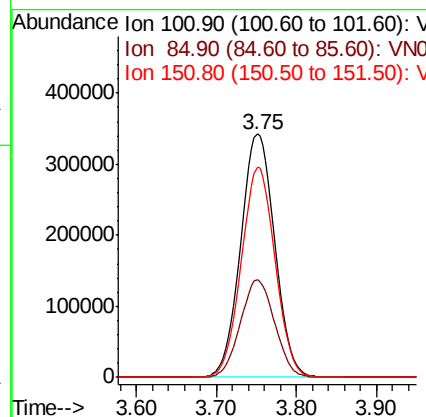
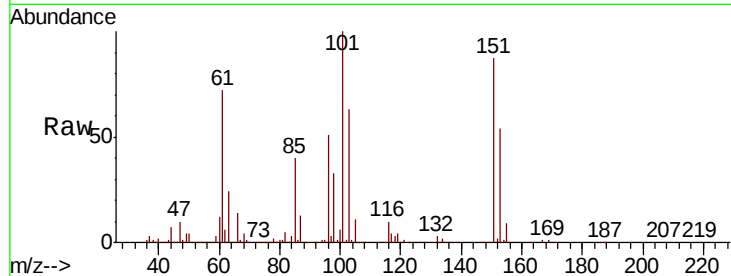
ClientSampleId :

ICVVN031219

Tgt Ion:	101	Resp:	987282
Ion Ratio	Lower	Upper	
101	100		
85	40.4	32.4	48.6
151	85.6	68.2	102.2

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#10

Methyl Iodide

Concen: 46.706 ug/l

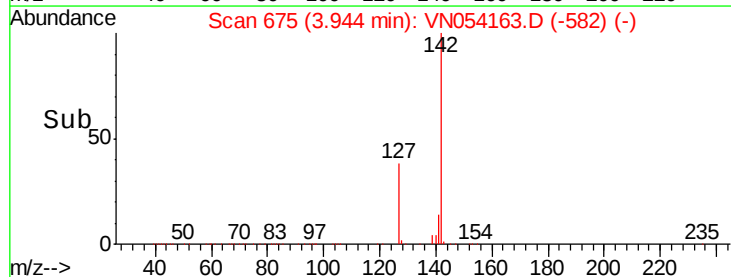
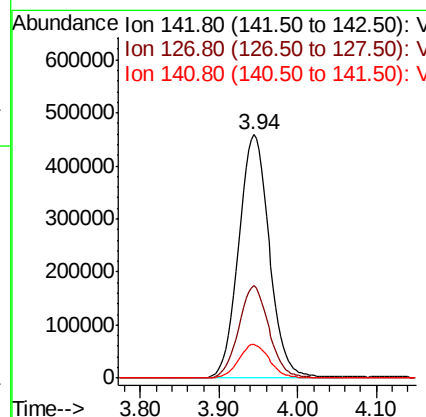
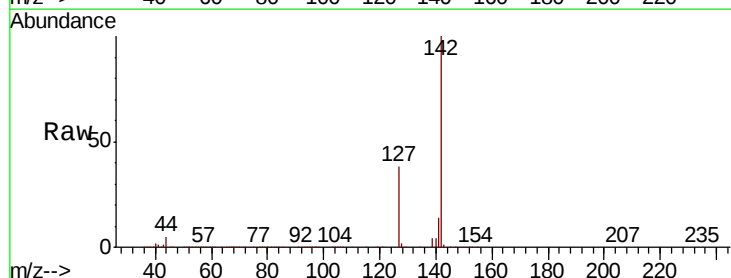
RT: 3.94 min Scan# 675

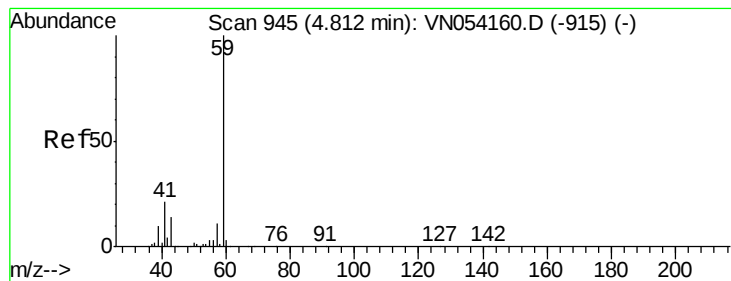
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	142	Resp:	1254063
Ion Ratio	Lower	Upper	
142	100		
127	37.5	30.3	45.5
141	14.0	11.2	16.8





#11

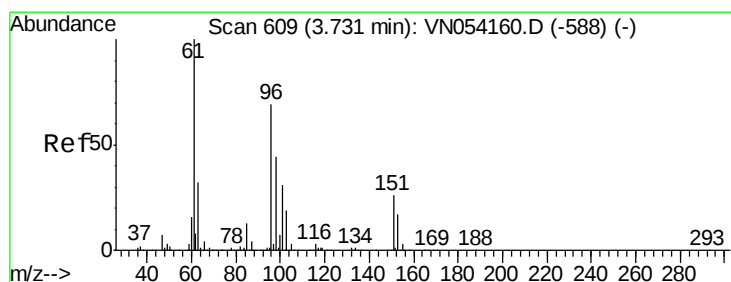
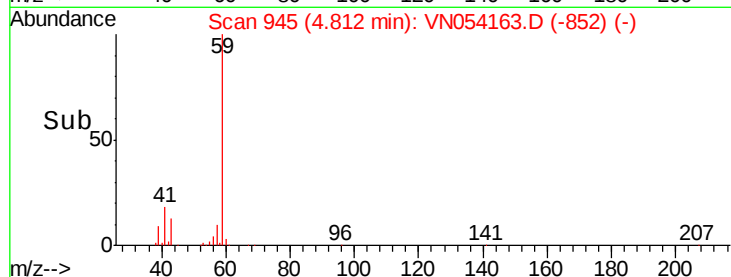
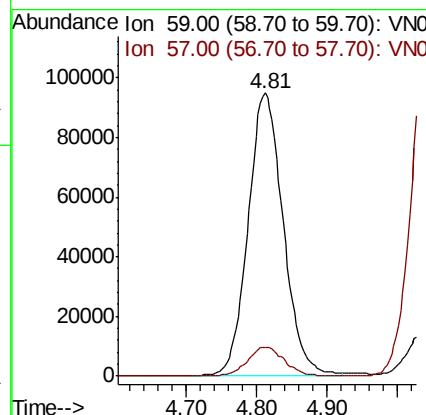
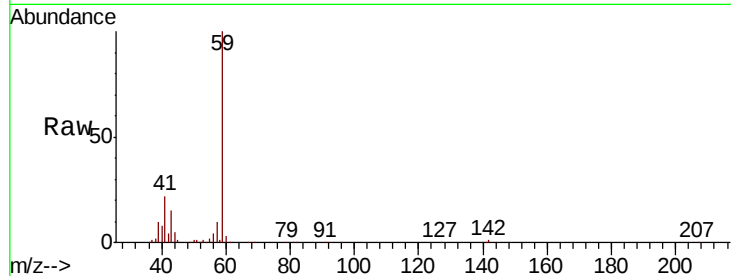
Tert butyl alcohol
 Concen: 250.781 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

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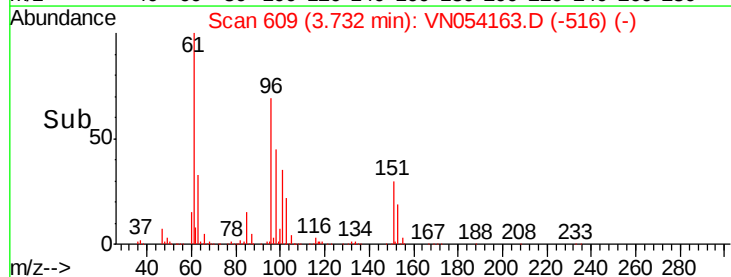
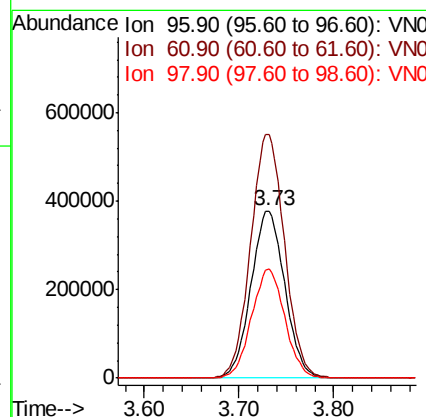
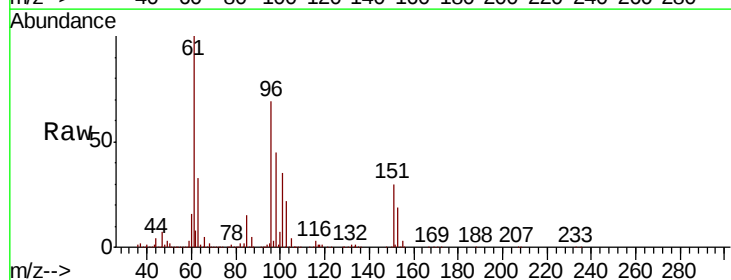
MMDadoda
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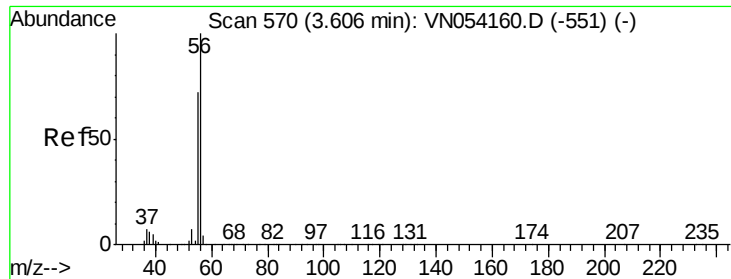


#12

1,1-Dichloroethene
 Concen: 49.786 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.4	116.5	174.7
98	65.1	51.0	76.4





#13

Acrolein

Concen: 220.733 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 56 Resp: 275238

Ion Ratio Lower Upper

56 100

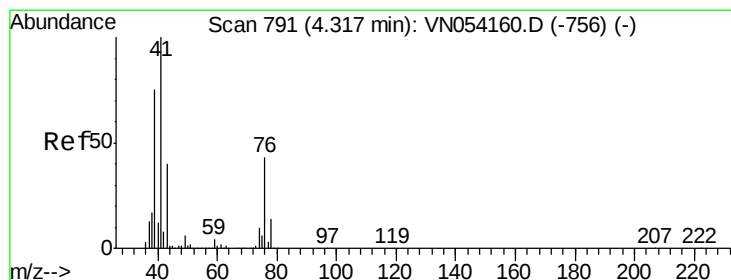
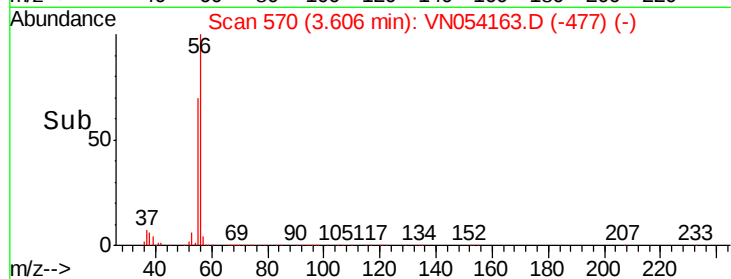
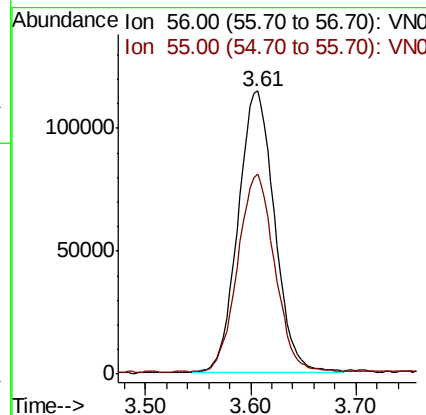
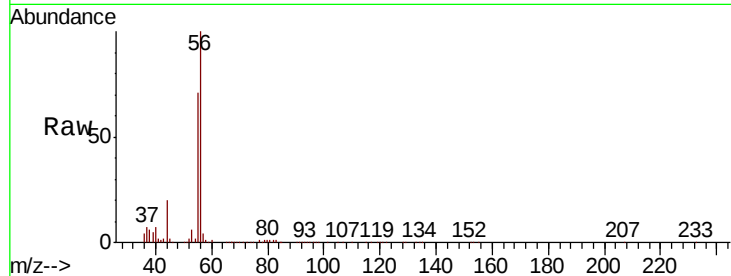
55 71.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.762 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

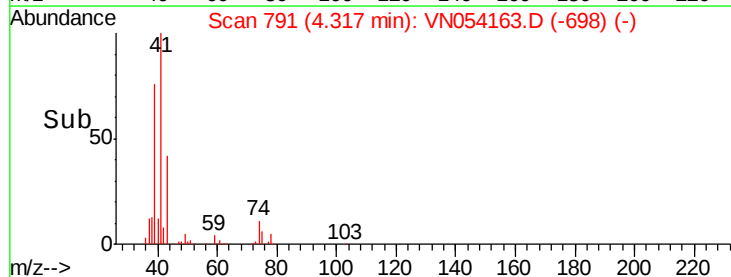
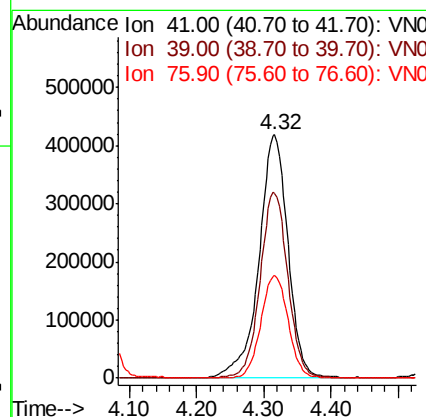
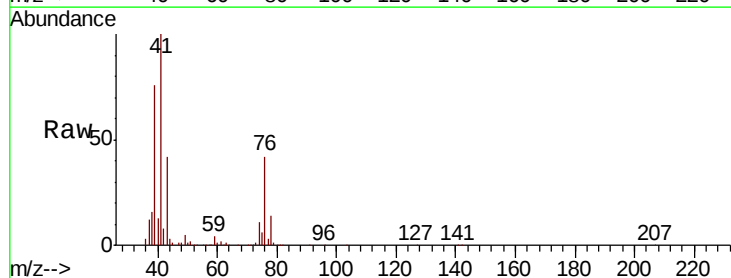
Tgt Ion: 41 Resp: 1247045

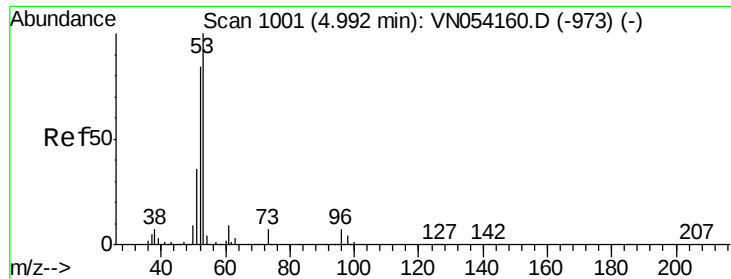
Ion Ratio Lower Upper

41 100

39 73.1 58.2 87.4

76 39.5 31.7 47.5





#15

Acrylonitrile

Concen: 257.142 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

ICVVN031219

Tgt Ion: 53 Resp: 1389935

Ion Ratio Lower Upper

53 100

52 82.6 66.4 99.6

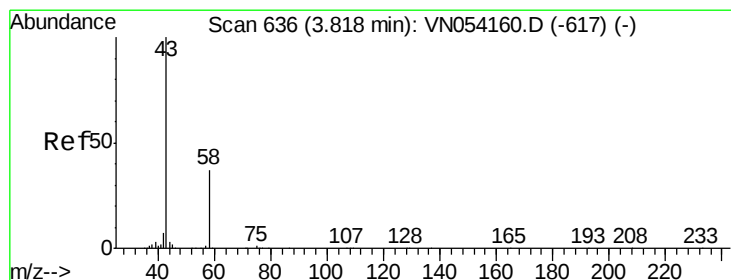
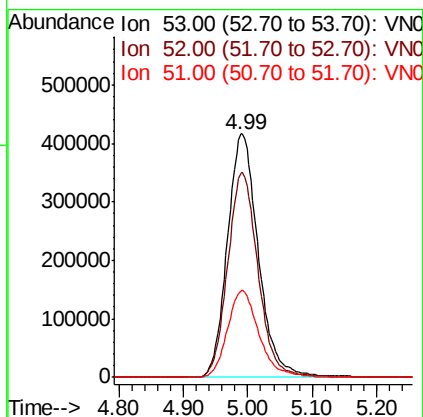
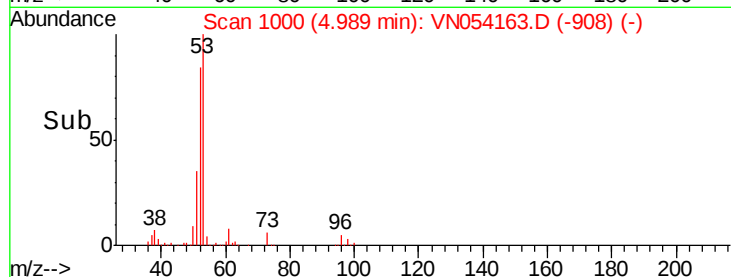
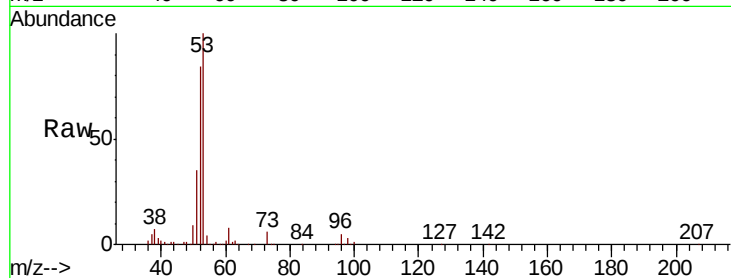
51 36.6 29.6 44.4

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#16

Acetone

Concen: 252.784 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN054163.D

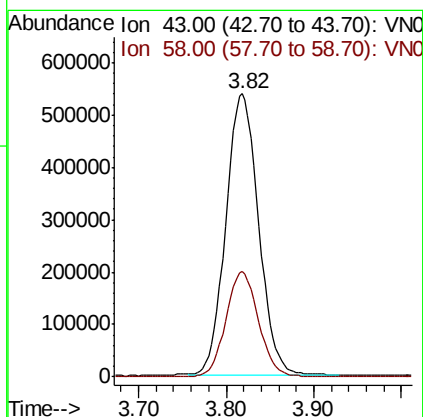
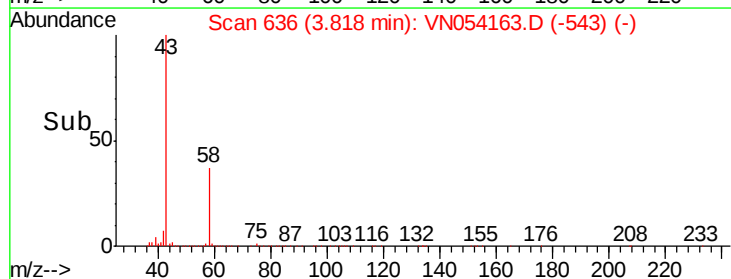
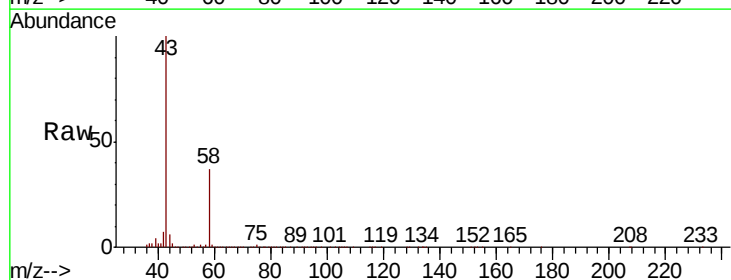
Acq: 12 Mar 2019 13:51

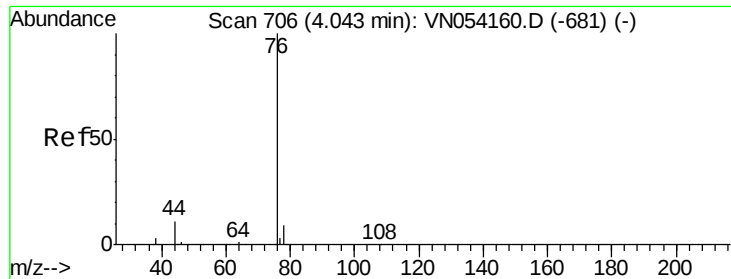
Tgt Ion: 43 Resp: 1389290

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9





#17

Carbon Disulfide

Concen: 53.280 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 76 Resp: 2507977

Ion Ratio Lower Upper

76 100

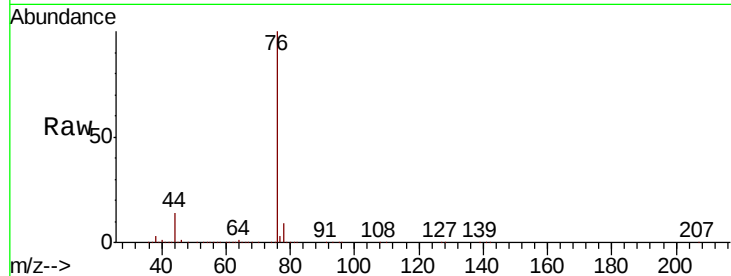
78 9.1 7.5 11.3

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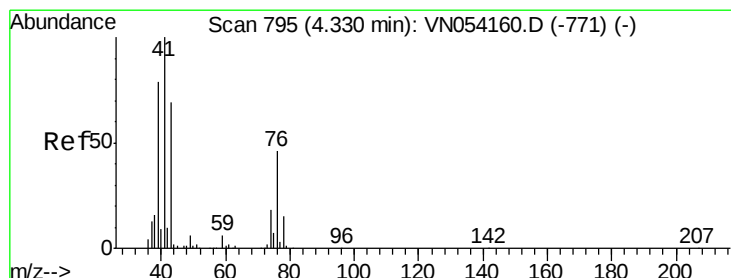
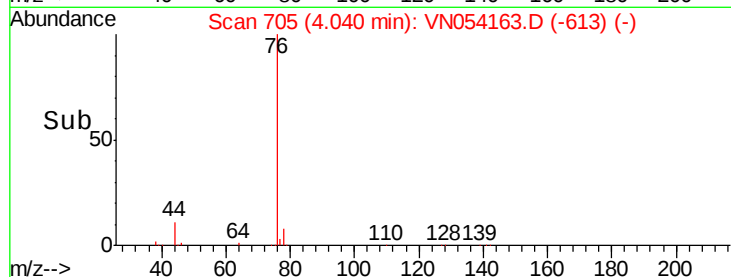
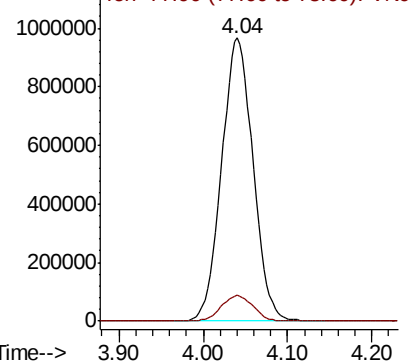
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 52.755 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054163.D

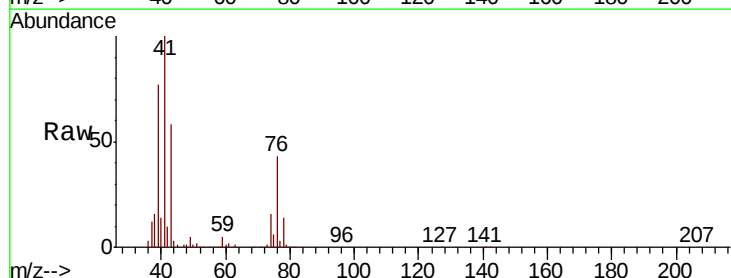
Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 586603

Ion Ratio Lower Upper

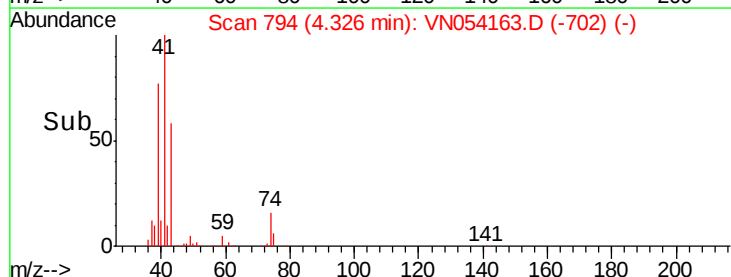
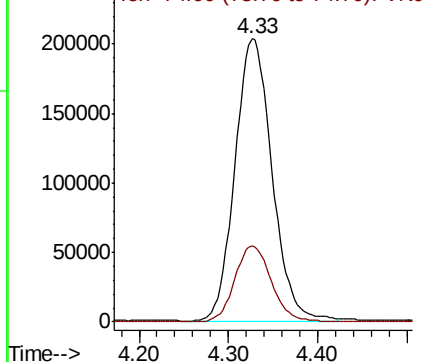
43 100

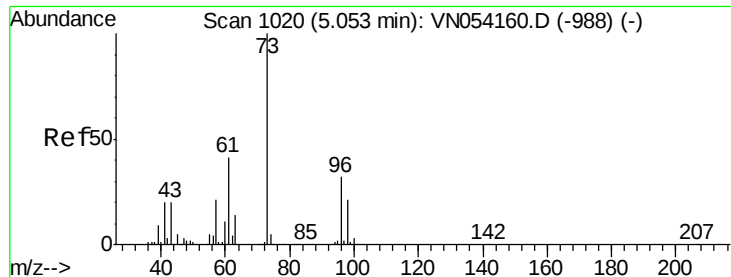
74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





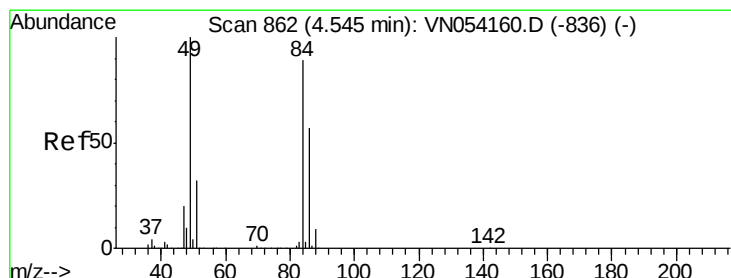
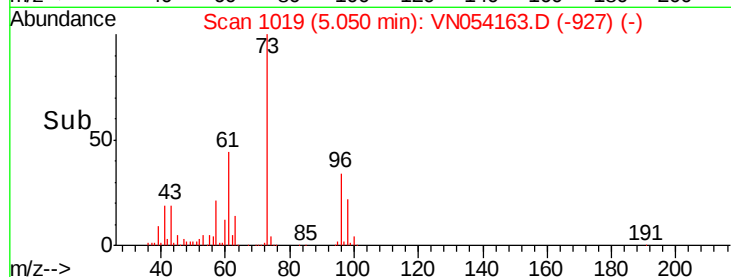
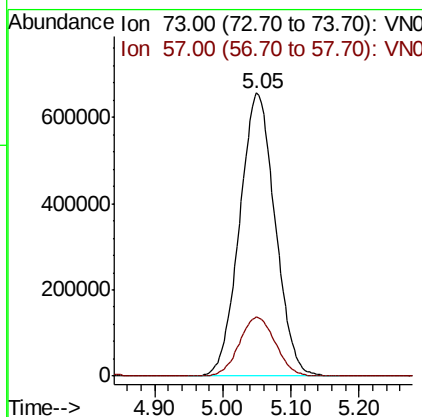
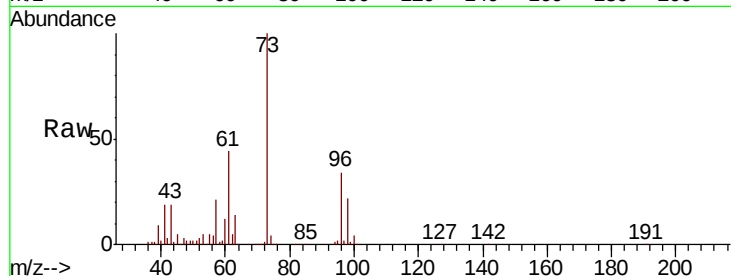
#19
Methyl tert-butyl Ether
Concen: 50.988 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 73 Resp: 2373129
Ion Ratio Lower Upper
73 100
57 20.8 16.8 25.2

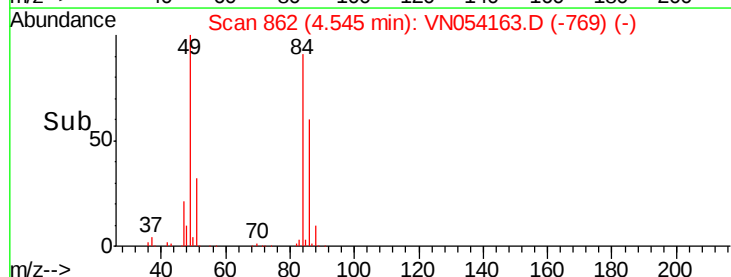
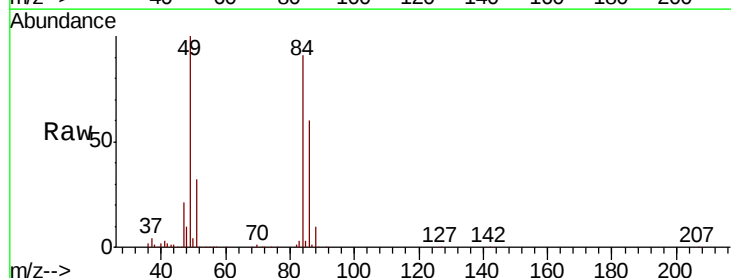
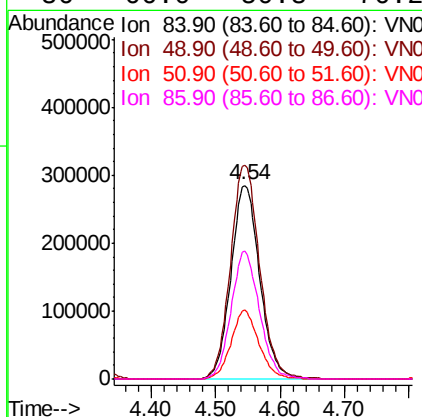
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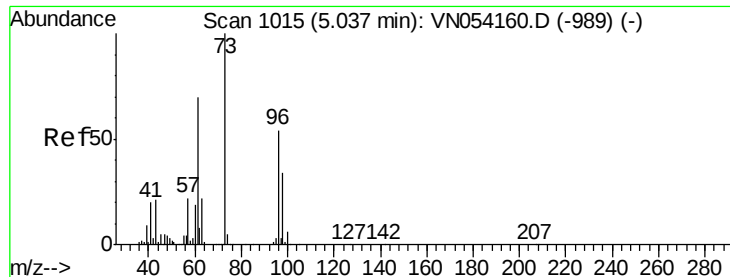
MMDadoda
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#20
Methylene Chloride
Concen: 49.207 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 84 Resp: 888000
Ion Ratio Lower Upper
84 100
49 110.2 89.7 134.5
51 35.5 28.2 42.4
86 66.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 50.213 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

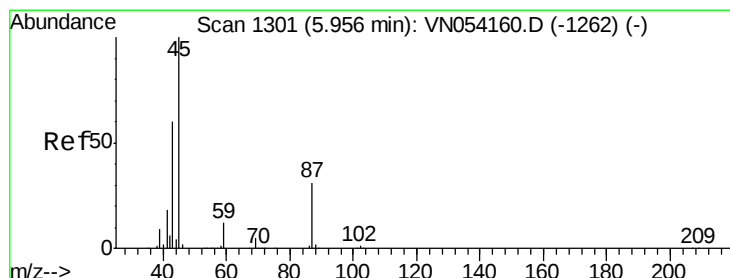
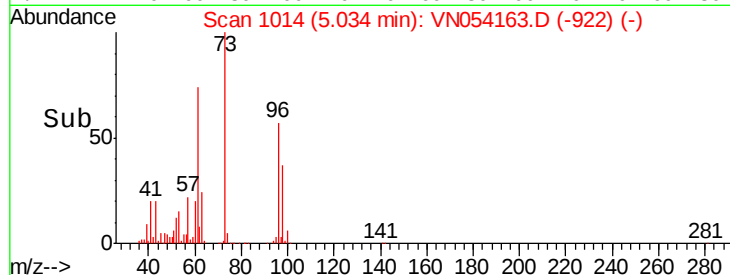
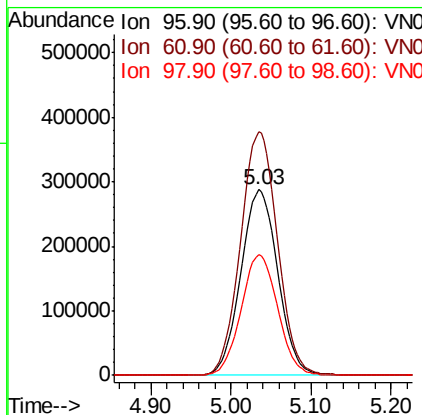
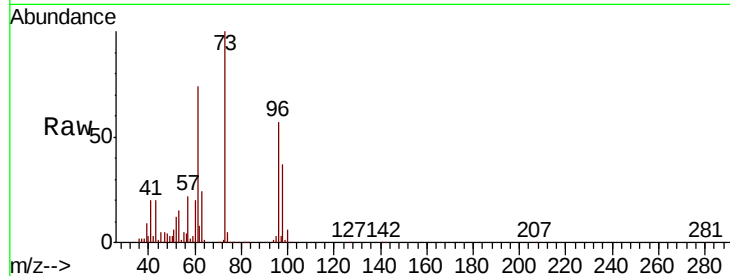
ClientSampleId :

ICVVN031219

Tgt Ion:	96	Resp:	903388
Ion	Ratio	Lower	Upper
96	100		
61	131.1	102.8	154.2
98	64.8	50.0	75.0

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#22

Diisopropyl ether

Concen: 51.035 ug/l

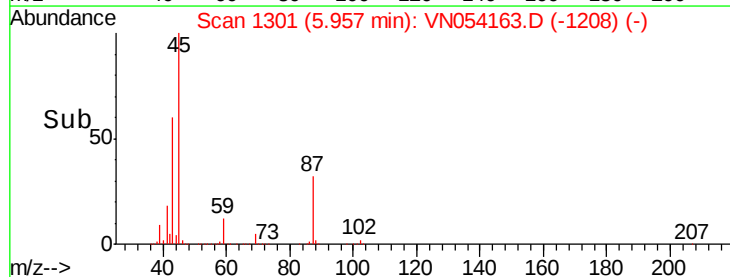
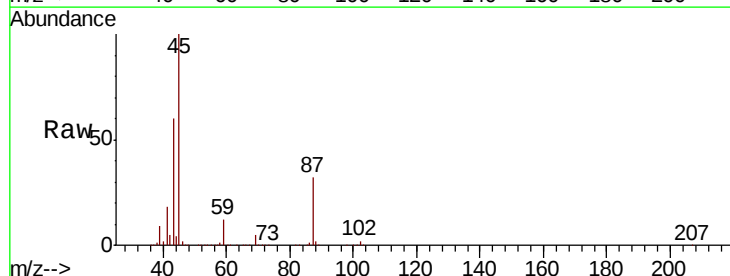
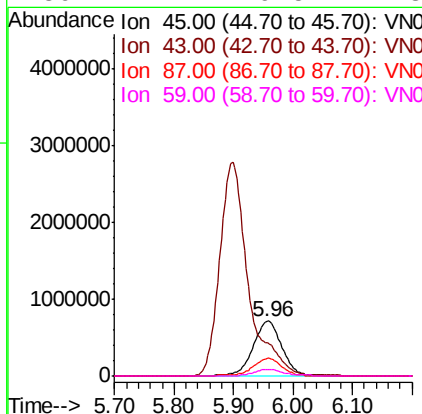
RT: 5.96 min Scan# 1301

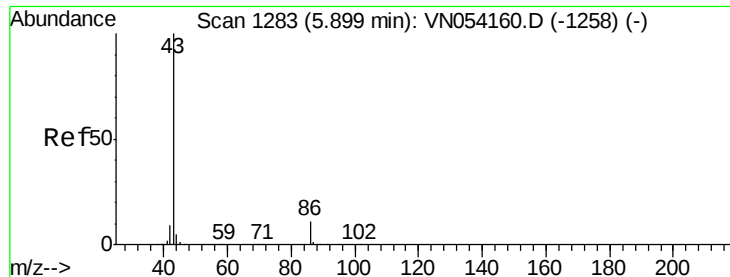
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	45	Resp:	2453936
Ion	Ratio	Lower	Upper
45	100		
43	59.5	48.2	72.2
87	31.3	24.9	37.3
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 263.349 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 43 Resp: 9336227

Ion Ratio Lower Upper

43 100

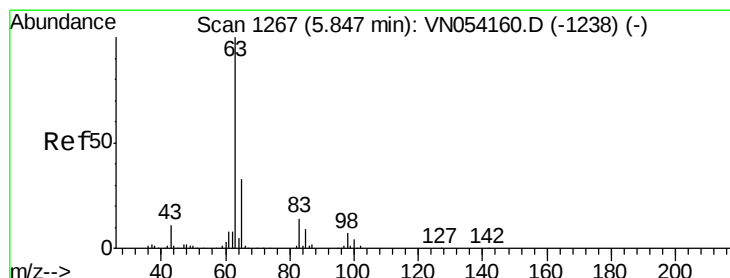
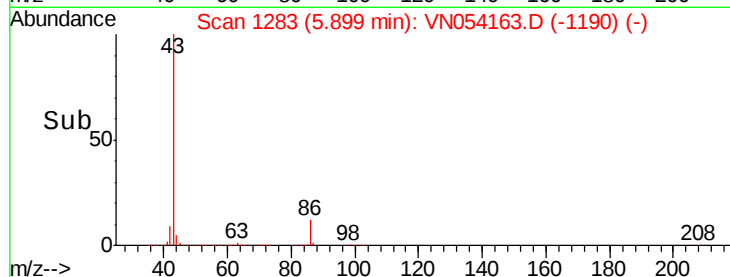
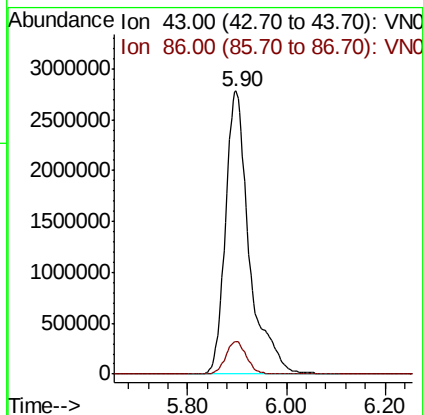
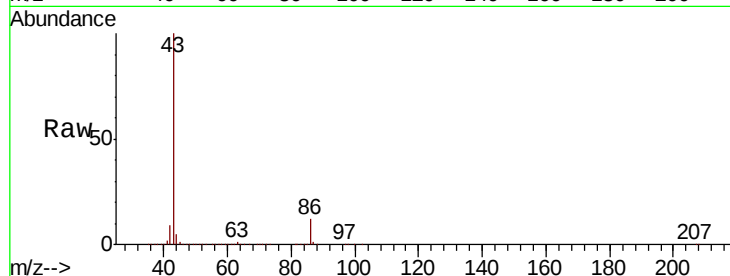
86 11.6 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 49.922 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

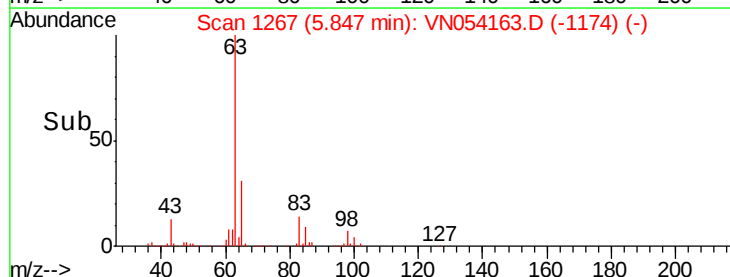
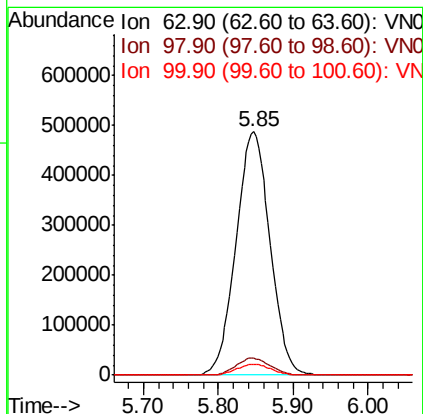
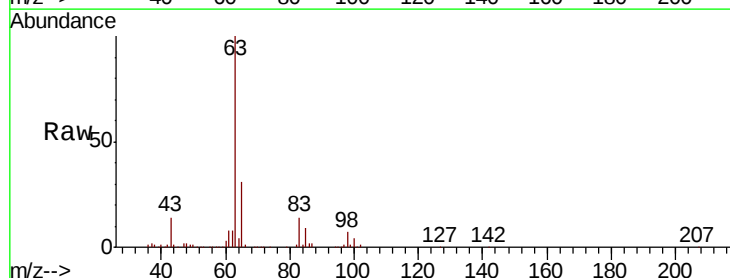
Tgt Ion: 63 Resp: 1541248

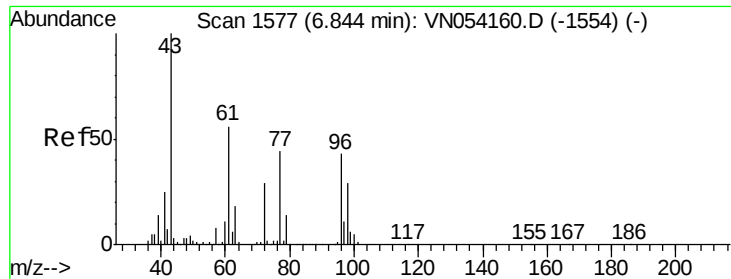
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.5 2.0 6.0





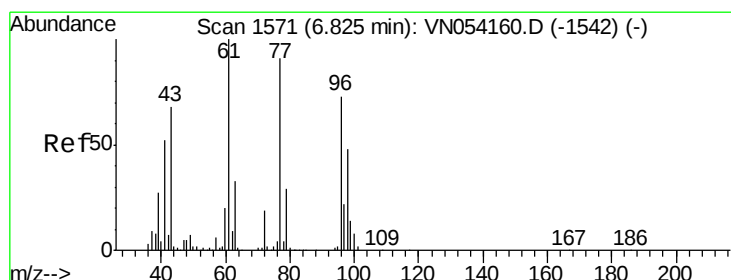
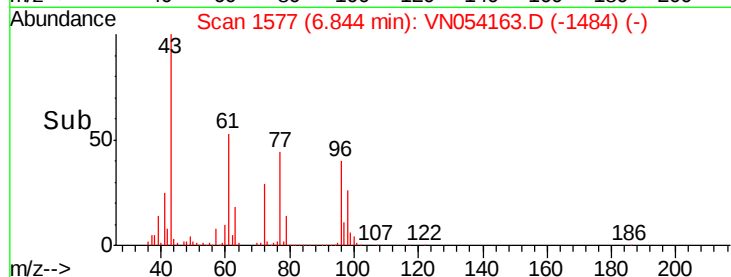
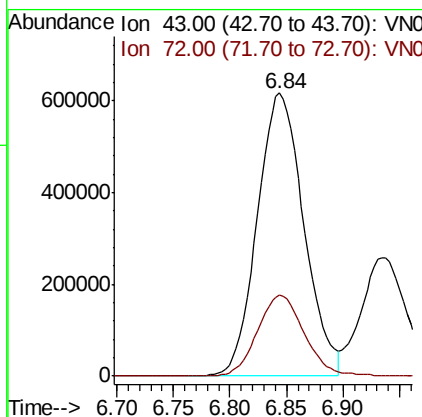
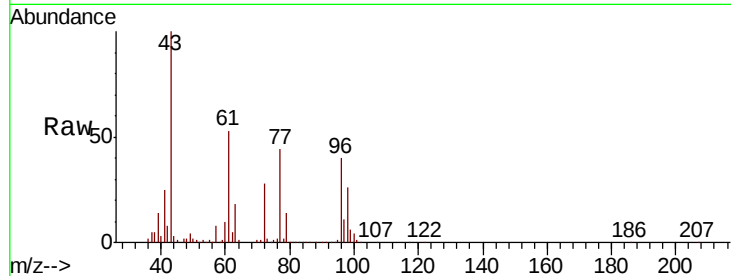
#25
 2-Butanone
 Concen: 271.831 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion: 43 Resp: 1753469
 Ion Ratio Lower Upper
 43 100
 72 28.5 23.0 34.6

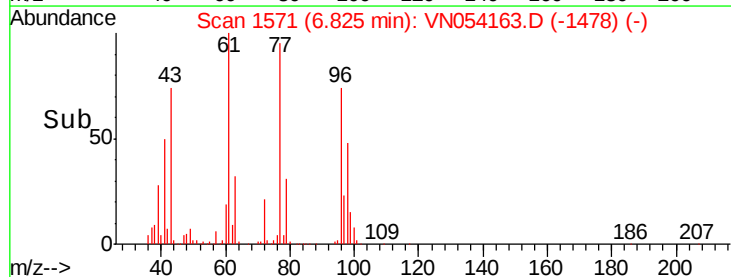
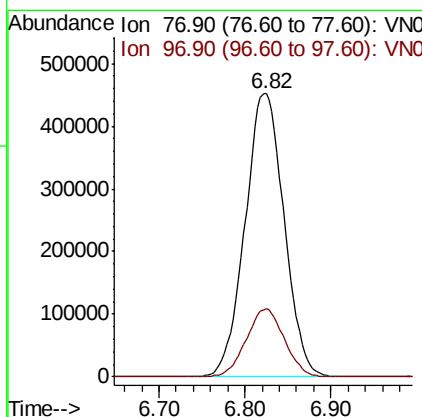
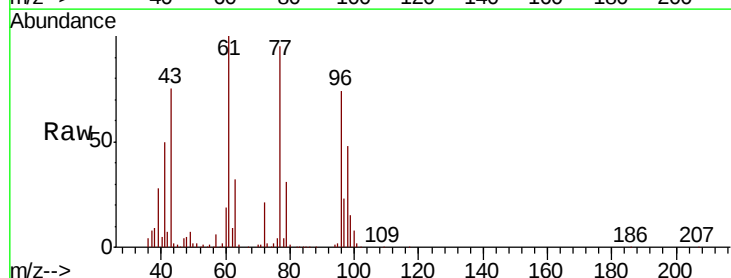
Manual Integrations
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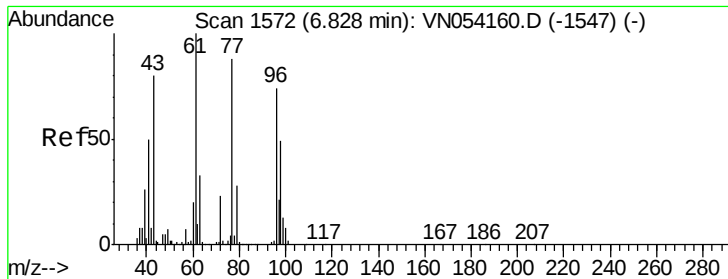
MMDadoda
 3/13/2019 11:49:27 AM



#26
 2,2-Dichloropropane
 Concen: 52.594 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 77 Resp: 1427909
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.089 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

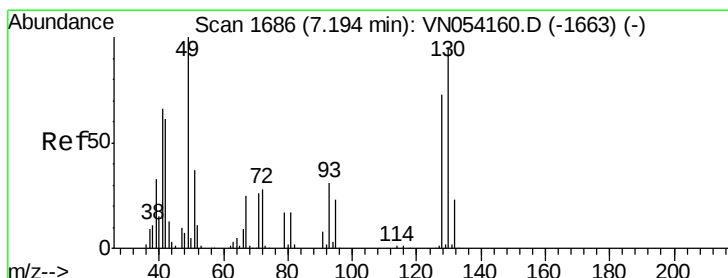
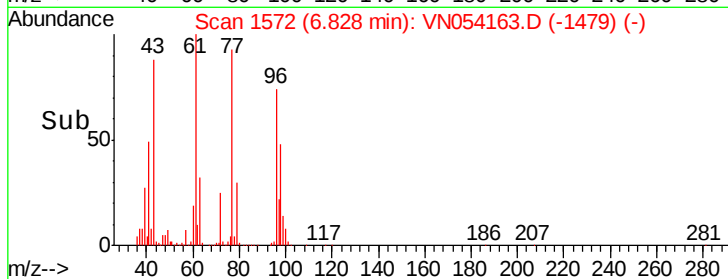
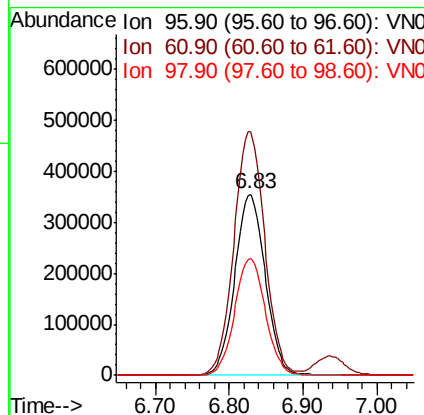
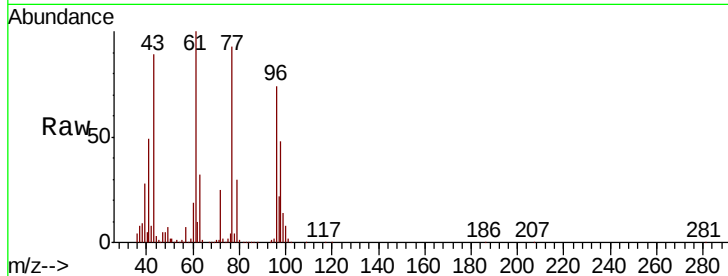
ClientSampleId :

ICVVN031219

Tgt Ion:	96	Resp:	1025404
Ion	Ratio	Lower	Upper
96	100		
61	136.2	0.0	273.0
98	65.1	0.0	130.6

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#28

Bromochloromethane

Concen: 50.441 ug/l

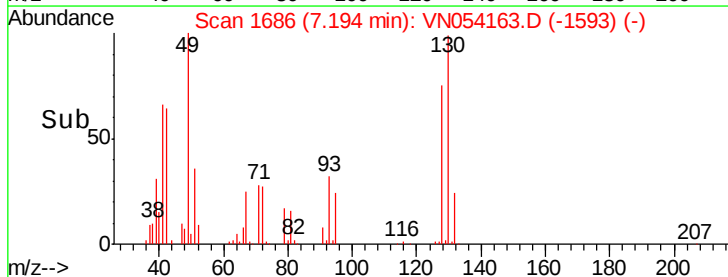
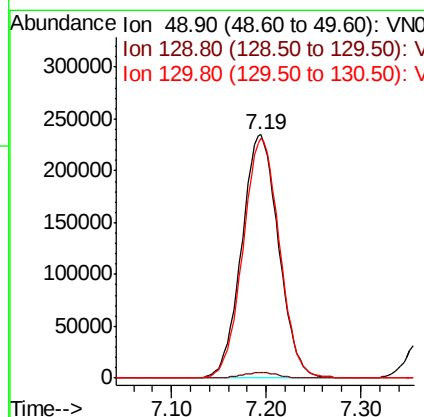
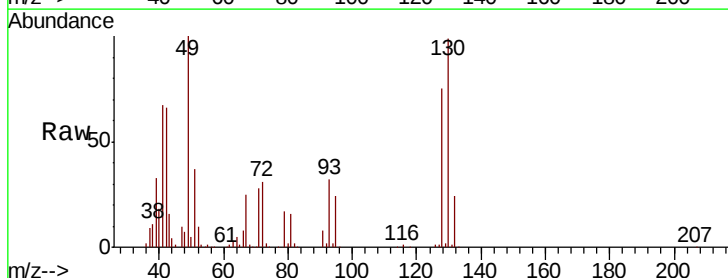
RT: 7.19 min Scan# 1686

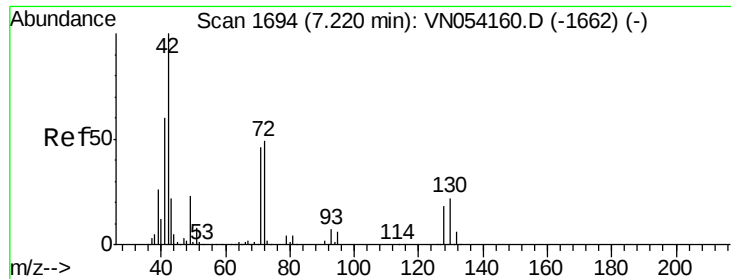
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	49	Resp:	636635
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	97.4	76.7	115.1





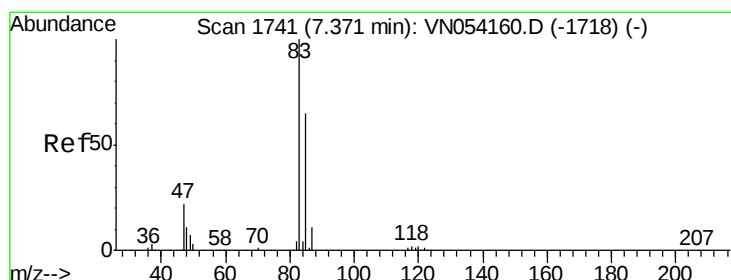
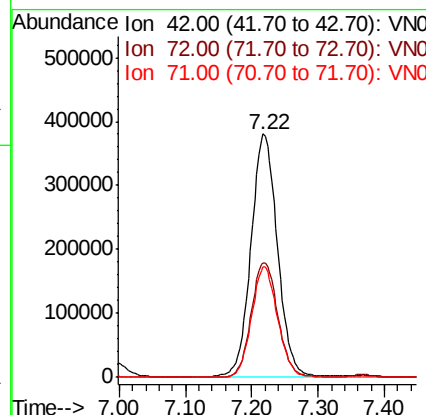
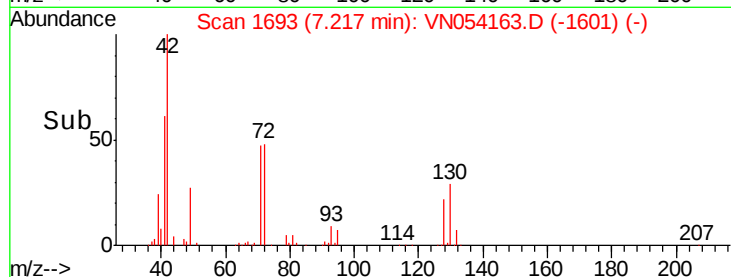
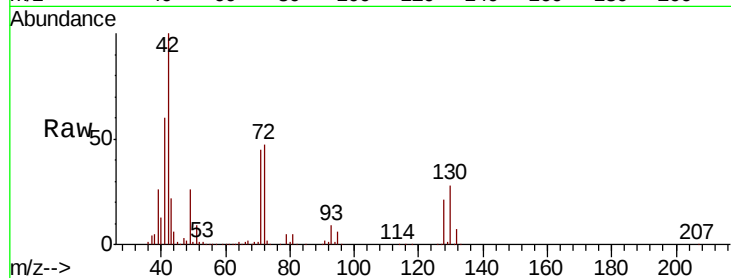
#29
Tetrahydrofuran
Concen: 254.244 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 42 Resp: 1054474
Ion Ratio Lower Upper
42 100
72 47.4 37.8 56.6
71 44.9 36.2 54.2

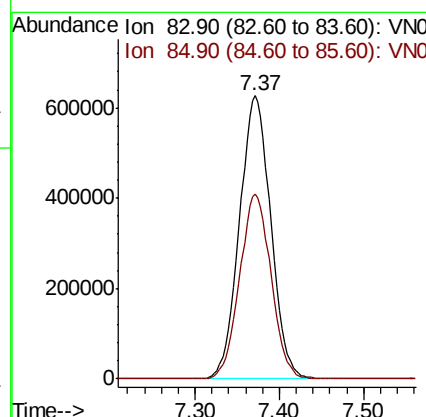
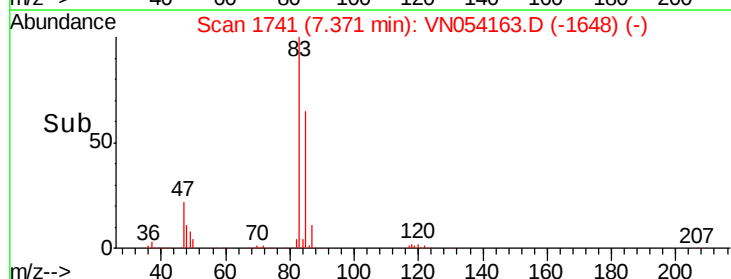
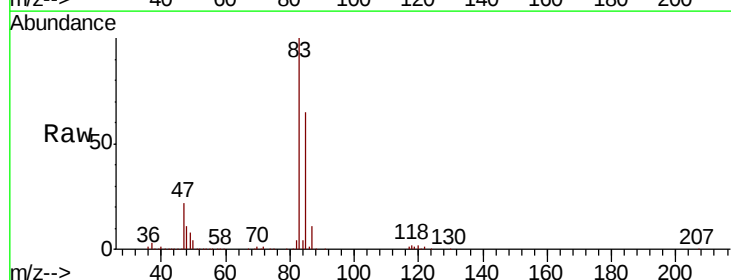
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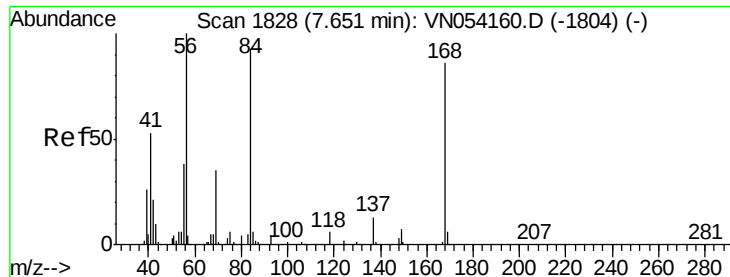
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#30
Chloroform
Concen: 50.267 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 83 Resp: 1619403
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4





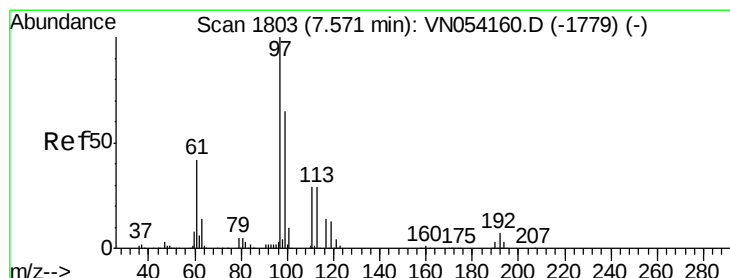
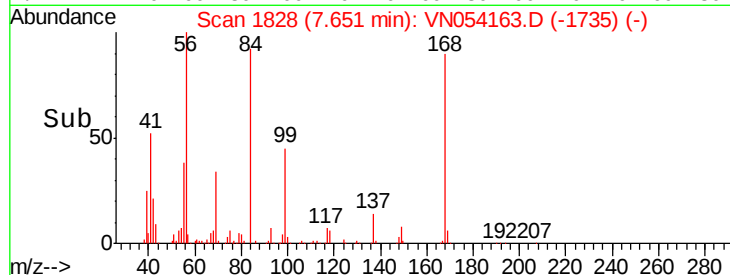
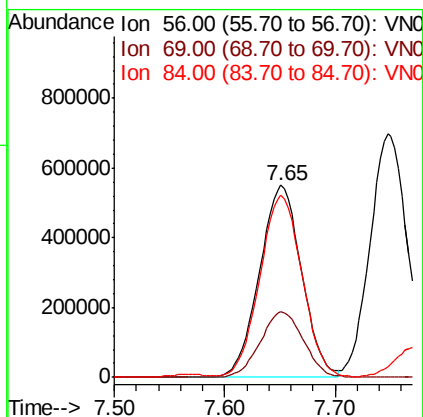
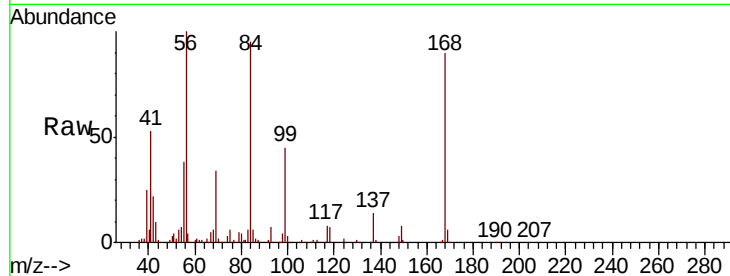
#31
Cyclohexane
Concen: 50.588 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 56 Resp: 1459761
Ion Ratio Lower Upper
56 100
69 34.2 27.8 41.6
84 93.1 74.6 111.8

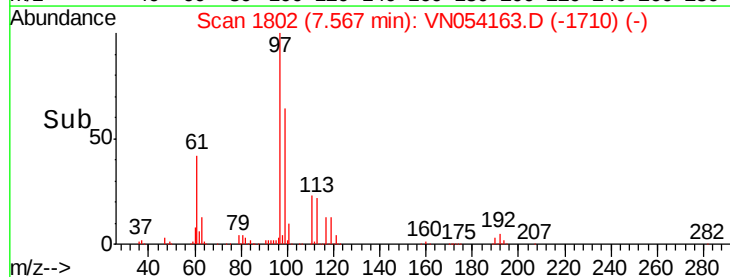
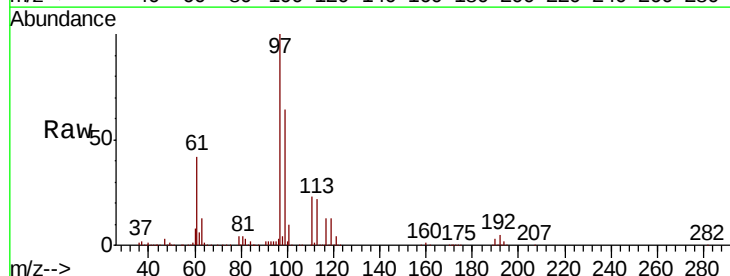
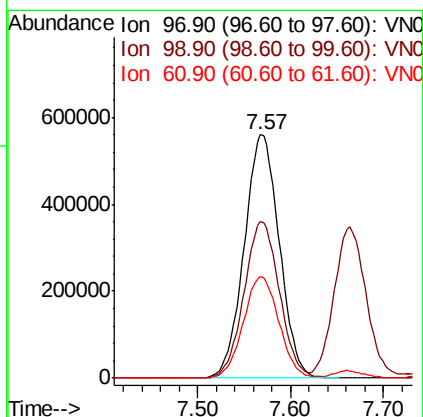
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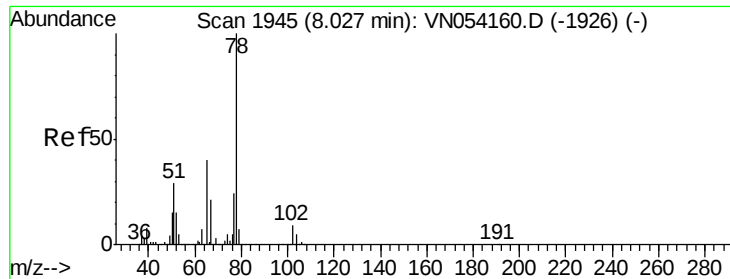
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#32
1,1,1-Trichloroethane
Concen: 50.755 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 97 Resp: 1476732
Ion Ratio Lower Upper
97 100
99 64.7 51.5 77.3
61 42.1 33.6 50.4





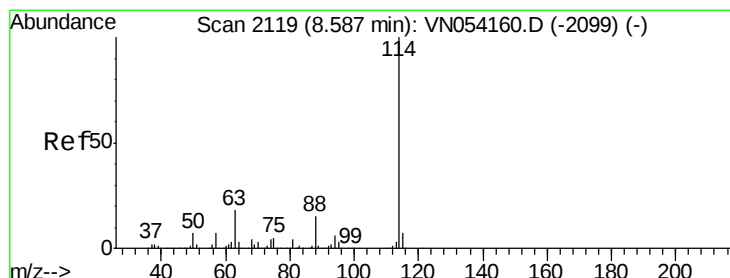
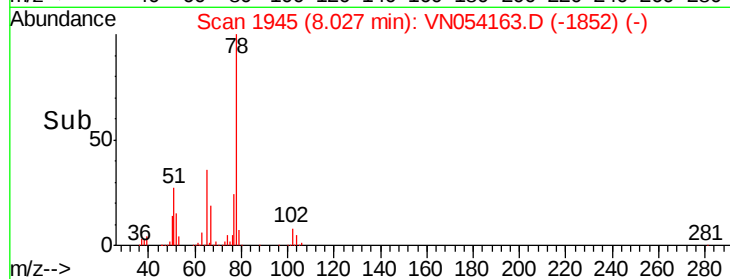
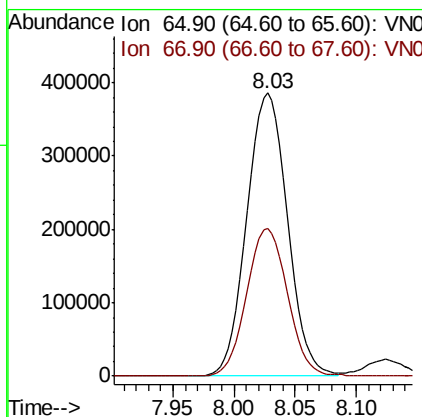
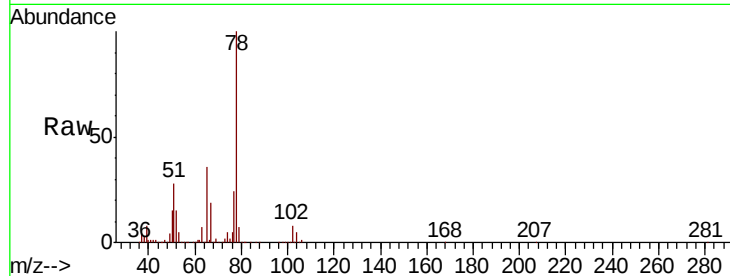
#33
 1,2-Dichloroethane-d4
 Concen: 46.499 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	892543		
67	52.5	0.0	104.6	

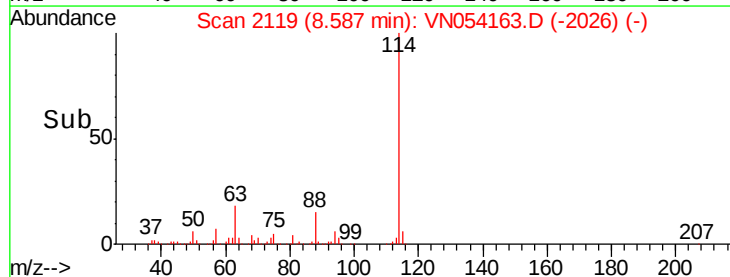
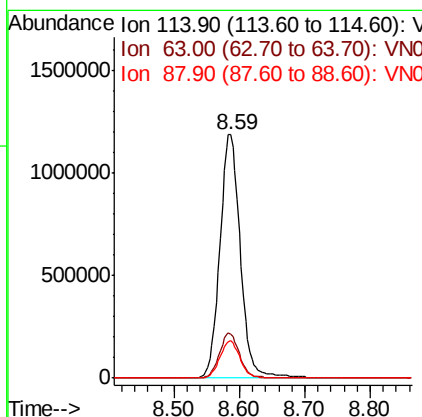
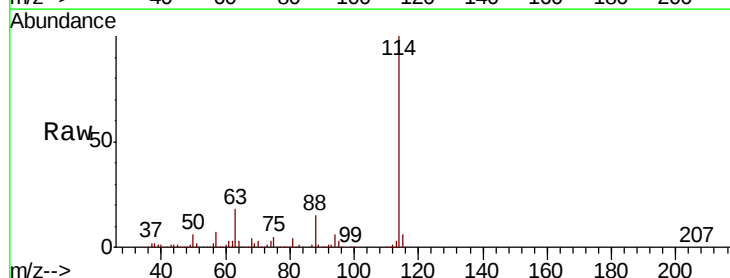
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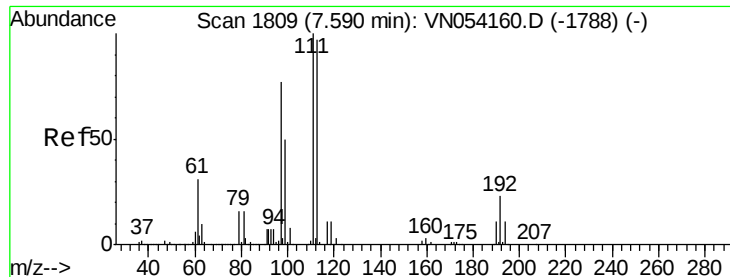
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 3/13/2019 11:49:27 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2587335		
63	18.0	0.0	35.2	
88	15.2	0.0	30.2	





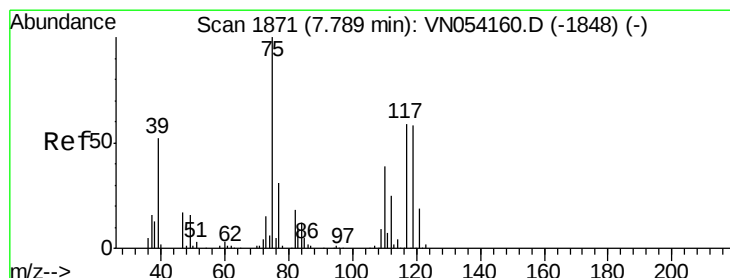
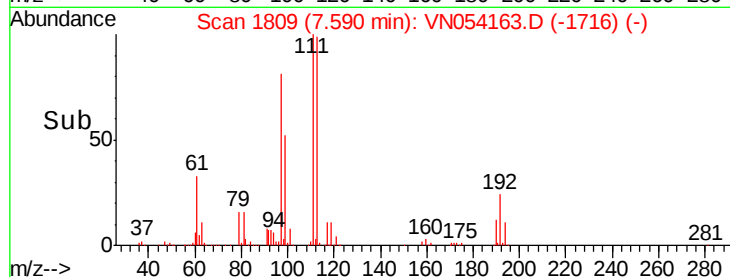
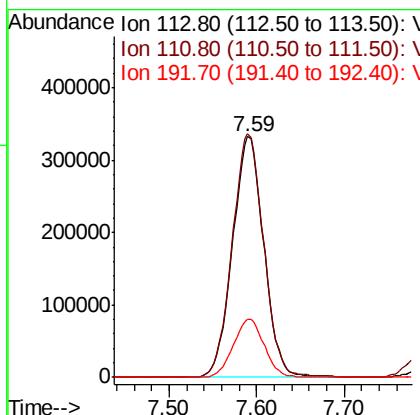
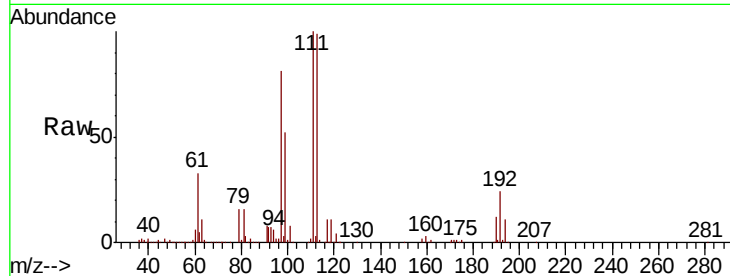
#35
Dibromofluoromethane
Concen: 49.298 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	822646		
111	102.3	82.2	123.4	
192	23.9	19.2	28.8	

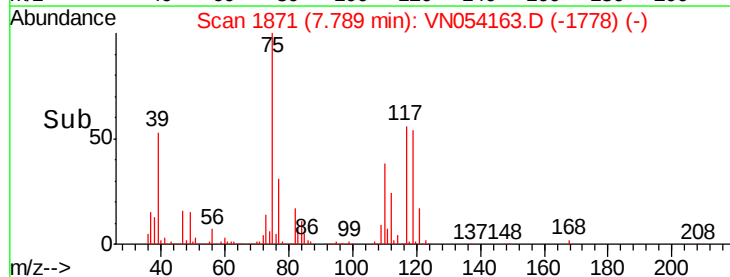
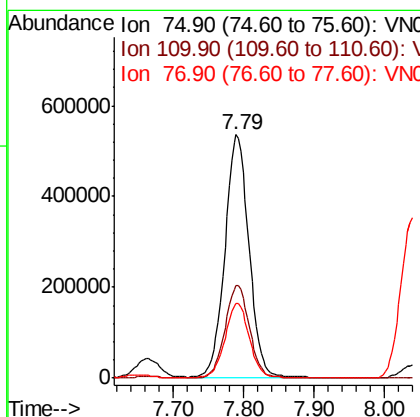
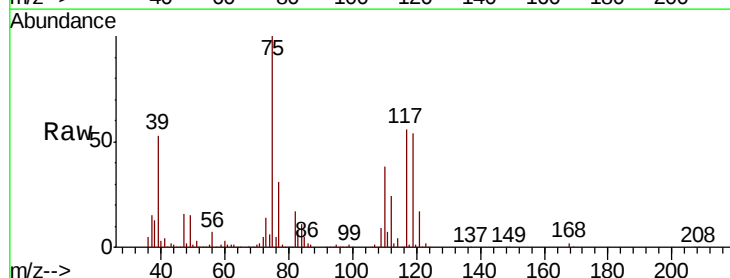
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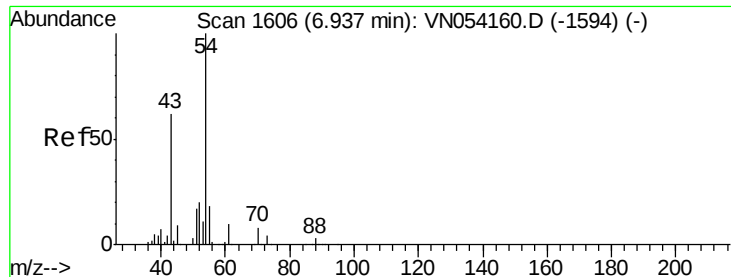
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3/13/2019 11:49:27 AM



#36
1,1-Dichloropropene
Concen: 53.955 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1285589		
110	38.4	19.1	57.5	
77	31.0	25.0	37.4	





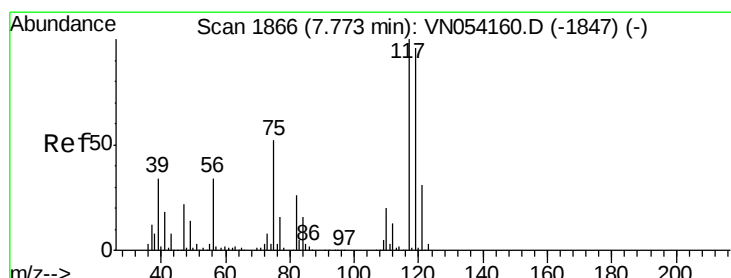
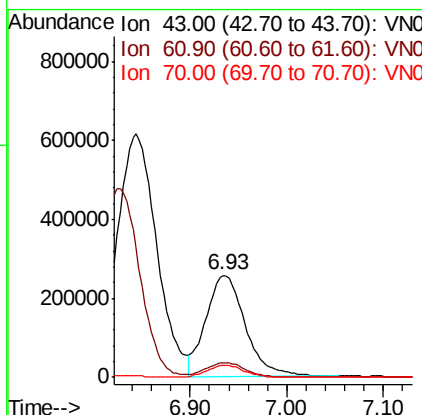
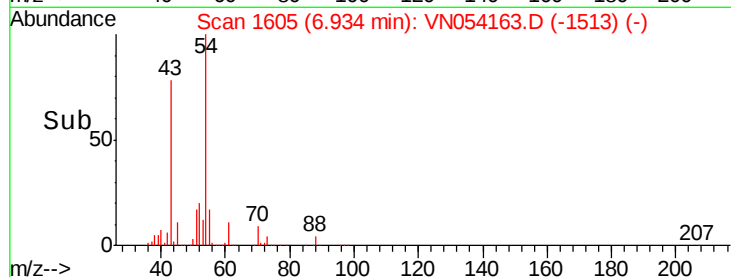
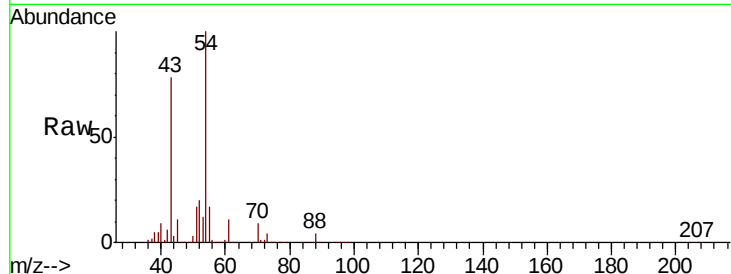
#37
Ethyl Acetate
Concen: 52.982 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.8	17.6
70	11.1	8.4	12.6

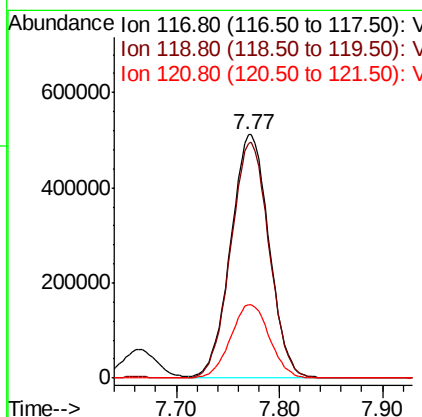
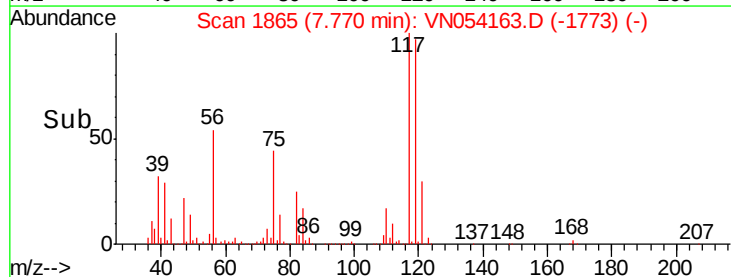
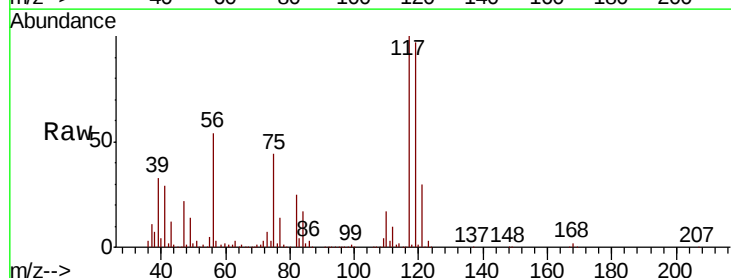
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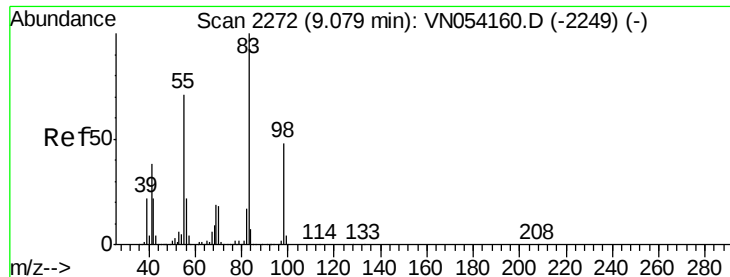
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3/13/2019 11:49:27 AM



#38
Carbon Tetrachloride
Concen: 52.923 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.3	114.5
121	30.4	24.6	36.8





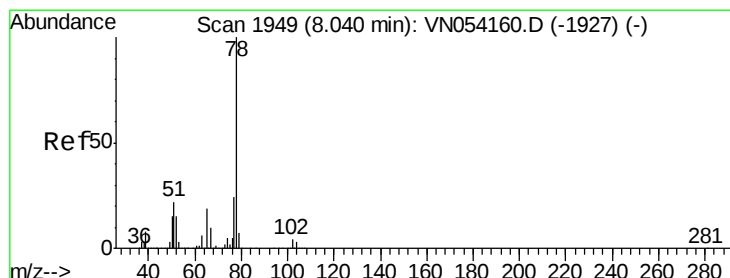
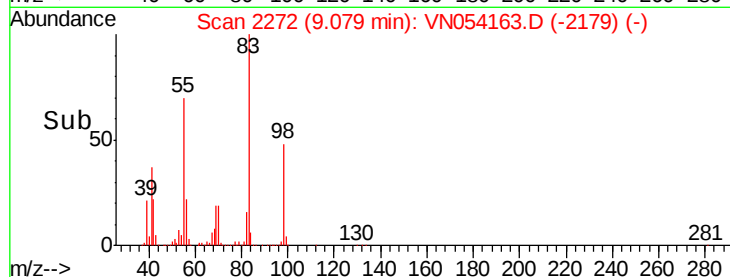
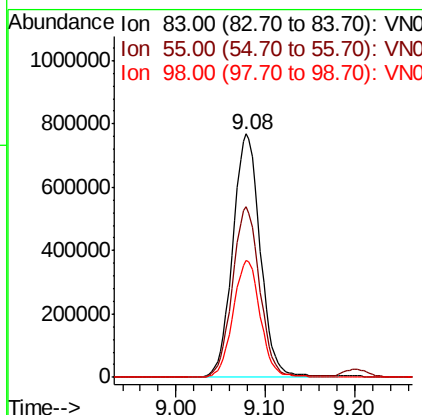
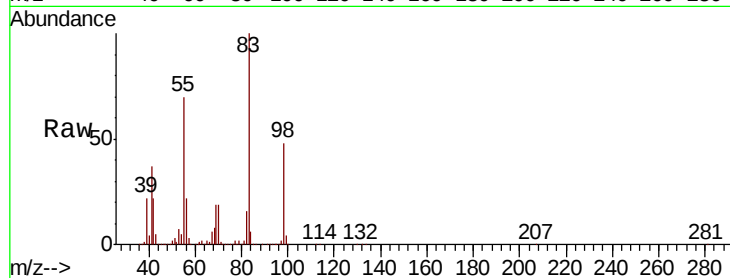
#39
Methylcyclohexane
Concen: 56.068 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 83 Resp: 1643701
Ion Ratio Lower Upper
83 100
55 70.3 56.6 84.8
98 48.0 38.4 57.6

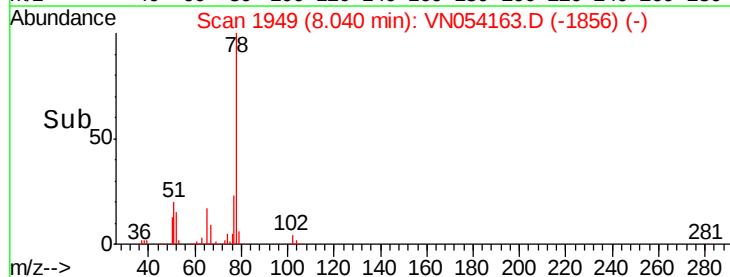
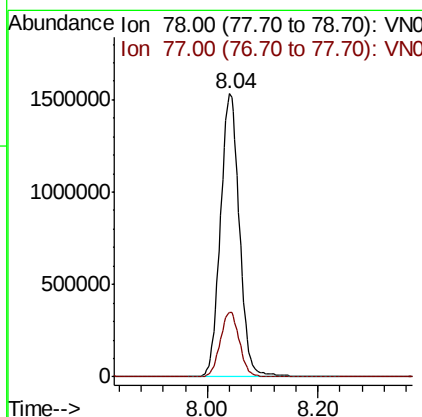
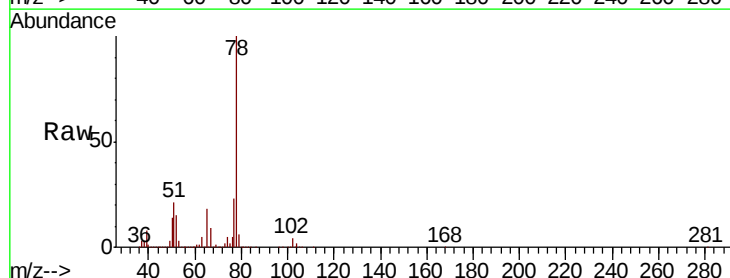
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#40
Benzene
Concen: 53.409 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 78 Resp: 3641609
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7





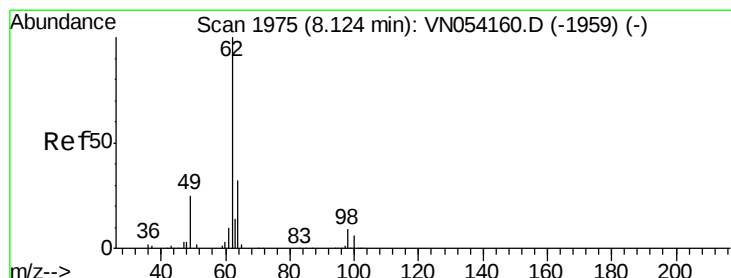
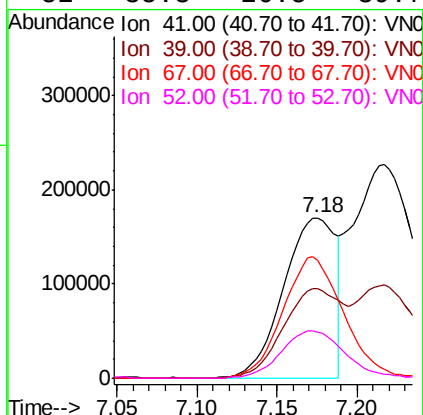
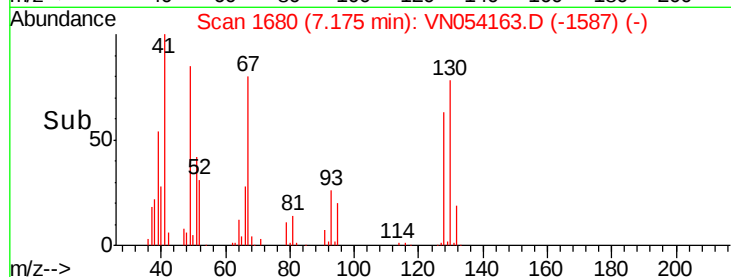
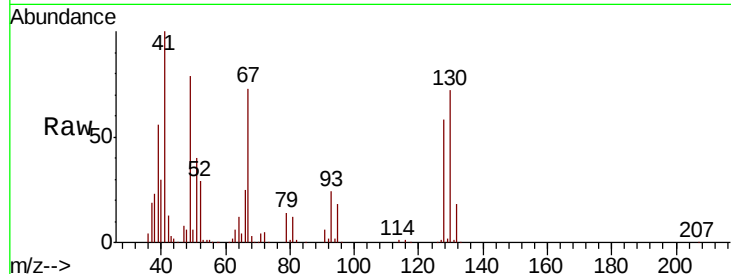
#41
Methacrylonitrile
Concen: 49.533 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.3	46.8	70.2
67	88.5	67.0	100.4
52	35.3	26.5	39.7

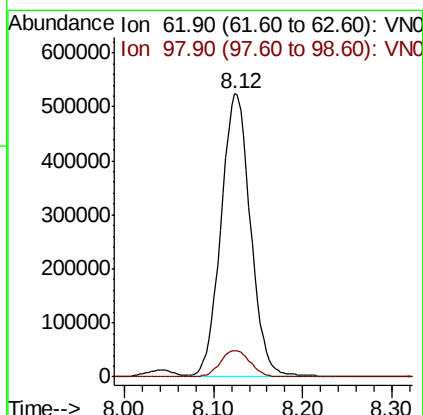
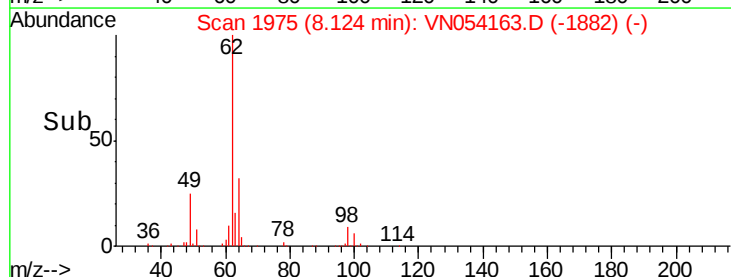
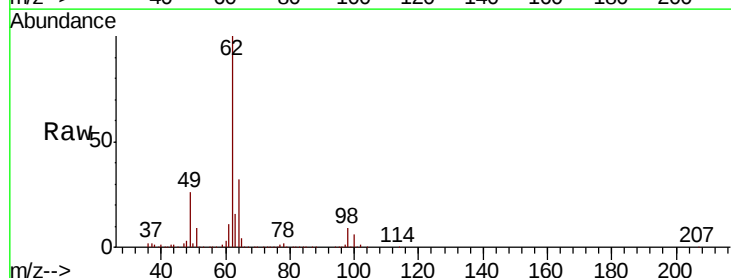
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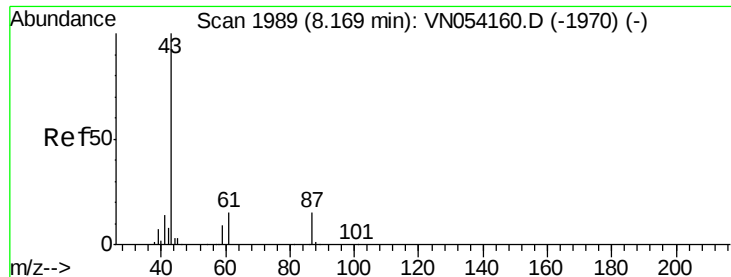
MMDadoda
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#42
1,2-Dichloroethane
Concen: 52.031 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 54.095 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 43 Resp: 1299958

Ion Ratio Lower Upper

43 100

61 21.1 15.8 23.8

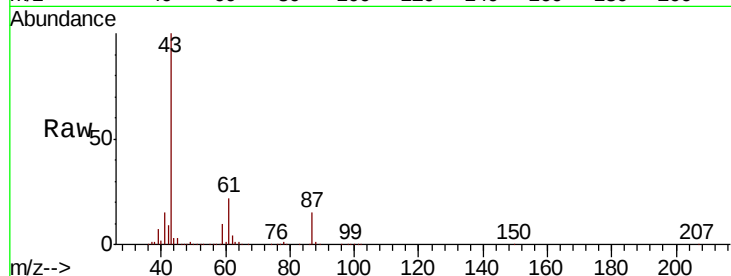
87 15.3 12.0 18.0

Manual Integrations

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MMDadoda

3/13/2019 11:49:27 AM

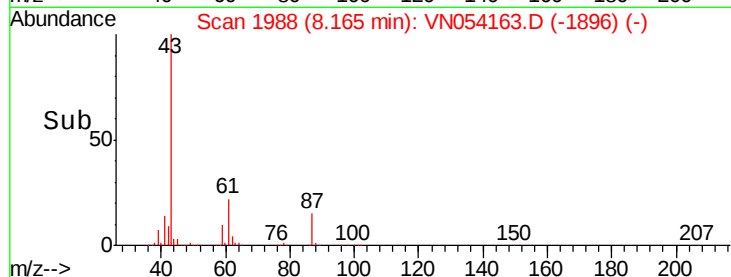


Abundance Ion 43.00 (42.70 to 43.70): VN054163.D (-1988) (-)

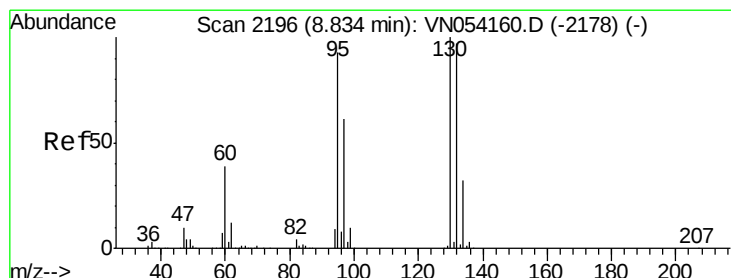
Ion 61.00 (60.70 to 61.70): VN054163.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN054163.D (-1988) (-)

8.17



Time-->



#44

Trichloroethene

Concen: 52.995 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054163.D

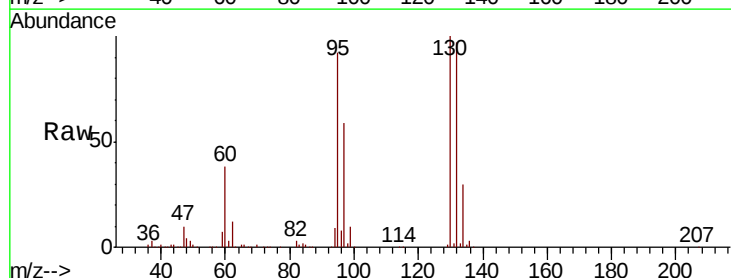
Acq: 12 Mar 2019 13:51

Tgt Ion: 130 Resp: 1122495

Ion Ratio Lower Upper

130 100

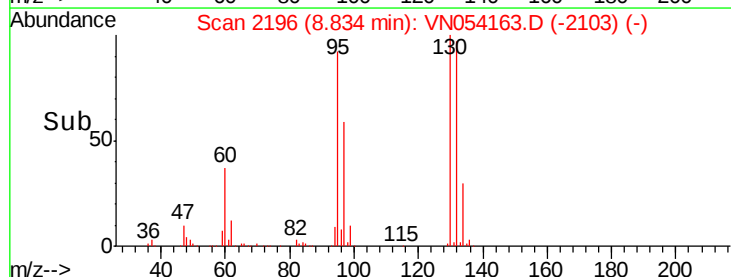
95 92.2 0.0 185.2



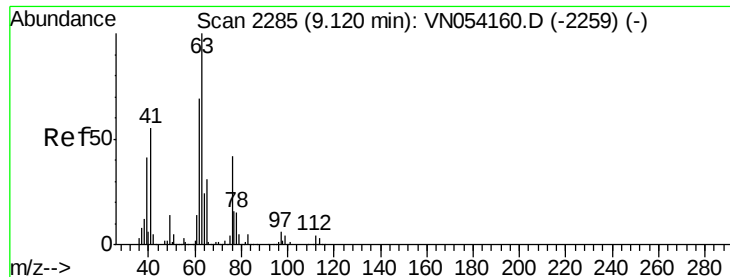
Abundance Ion 129.80 (129.50 to 130.50): VN054163.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN054163.D (-2196) (-)

8.83



Time-->



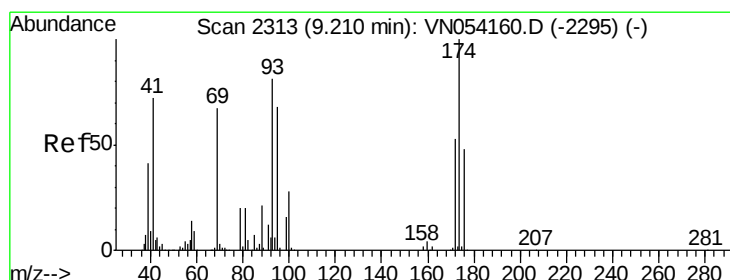
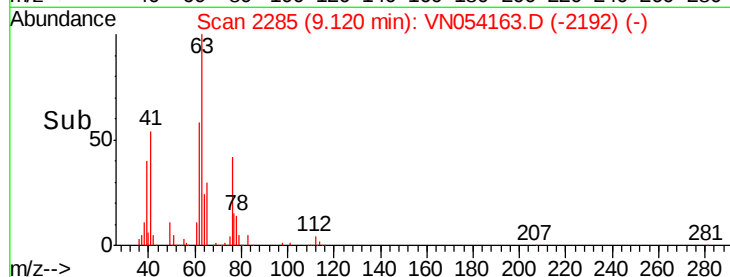
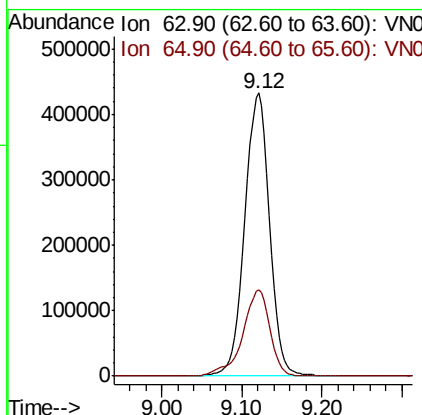
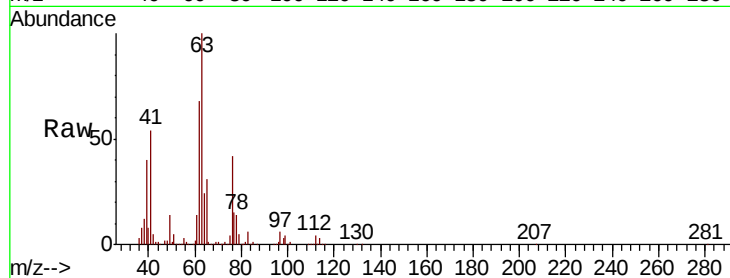
#45
 1,2-Dichloropropane
 Concen: 53.384 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	903825		
65	30.6	25.0	37.6	

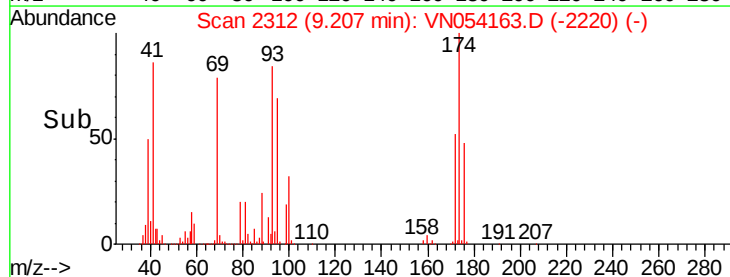
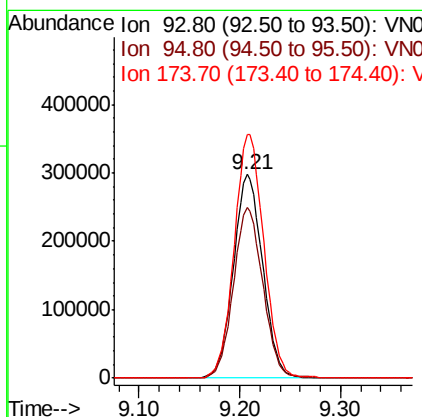
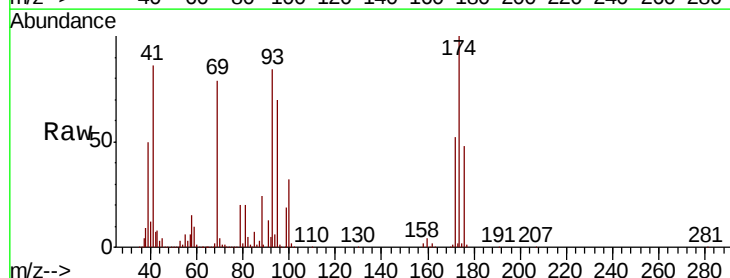
Manual Integrations
 APPROVED

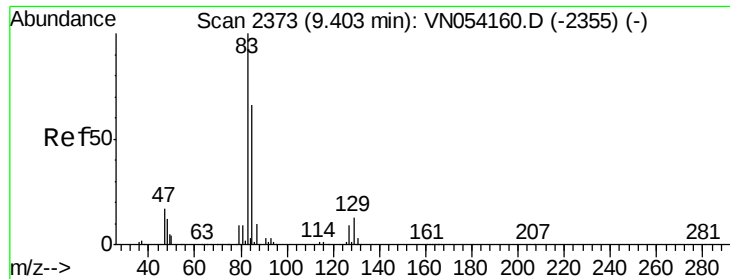
MMDadoda
 3/13/2019 11:49:27 AM



#46
 Dibromomethane
 Concen: 52.586 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	601548		
95	83.3	66.7	100.1	
174	120.3	98.5	147.7	





#47

Bromodichloromethane

Concen: 54.449 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 83 Resp: 1248683

Ion Ratio Lower Upper

83 100

85 63.5 52.8 79.2

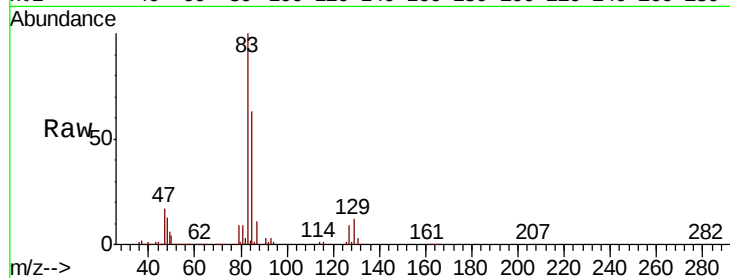
127 8.9 7.4 11.2

Manual Integrations

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MMDadoda

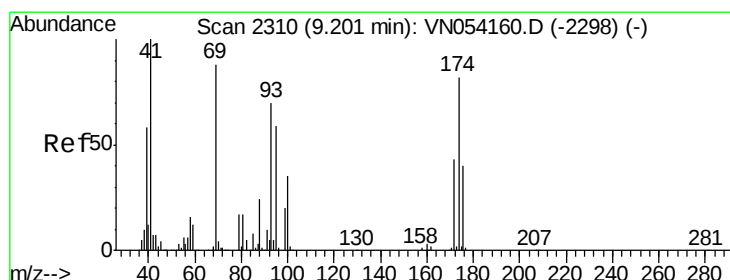
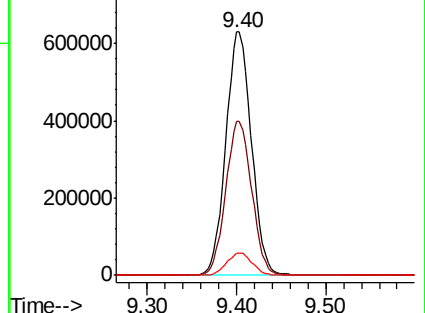
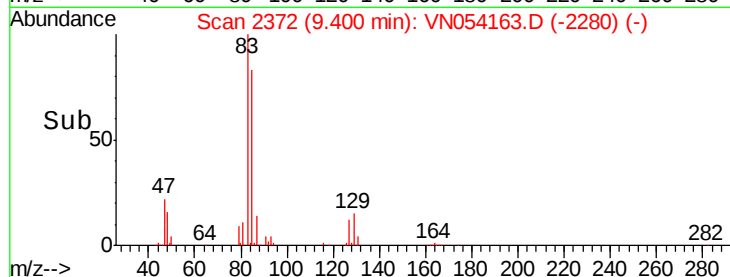
3/13/2019 11:49:27 AM



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 53.147 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

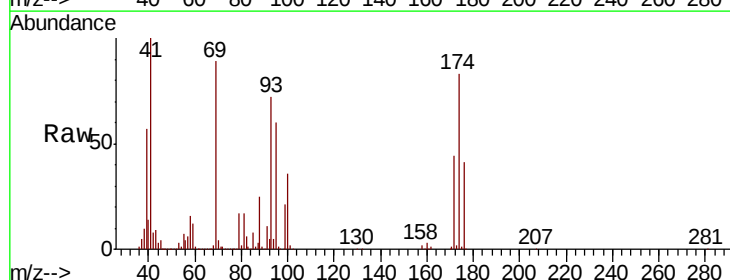
Tgt Ion: 41 Resp: 648147

Ion Ratio Lower Upper

41 100

69 95.9 72.6 108.8

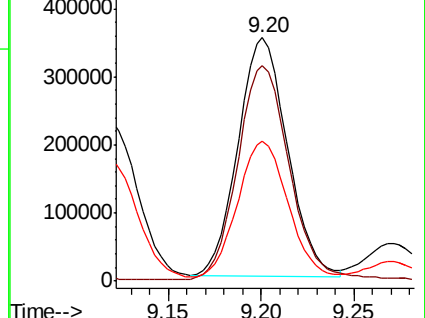
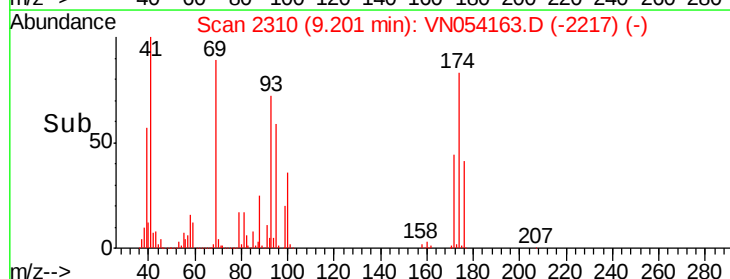
39 60.8 47.5 71.3

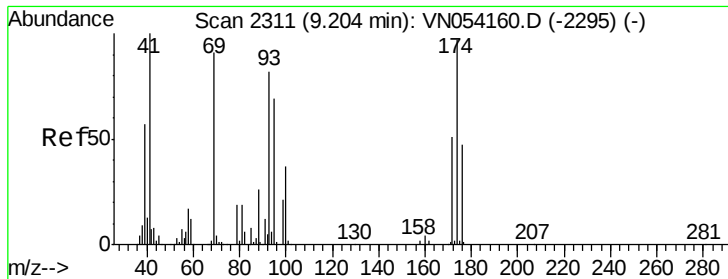


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





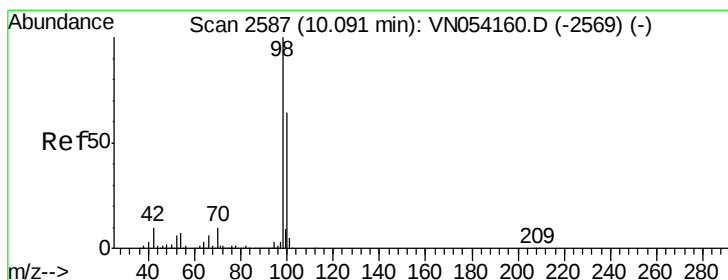
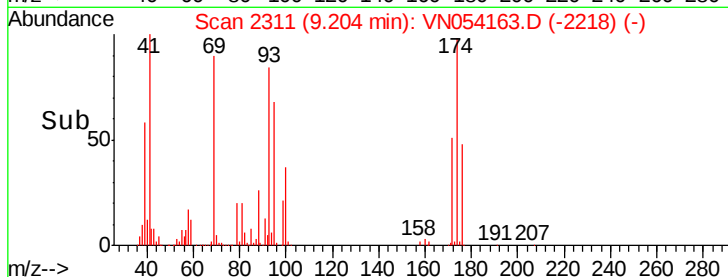
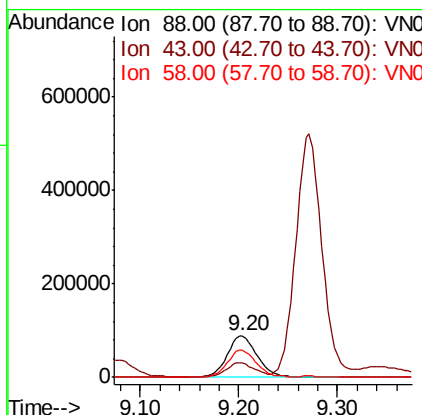
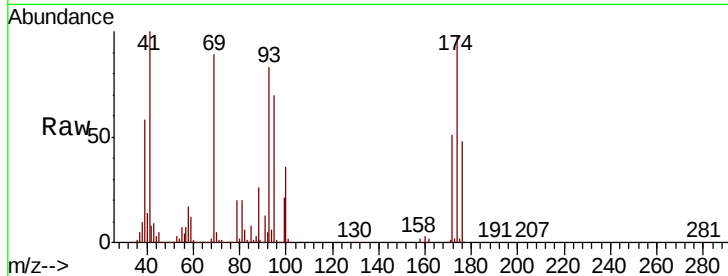
#49
1,4-Dioxane
Concen: 1098.646 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	189519		
43	30.6	24.1	36.1	
58	63.6	50.8	76.2	

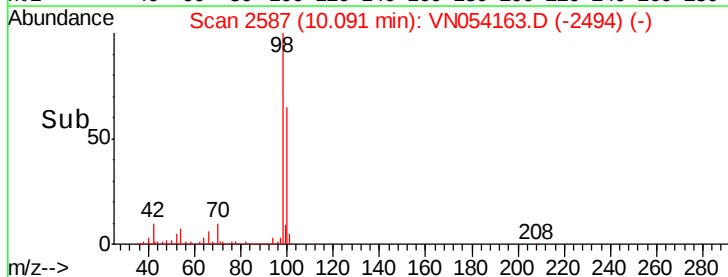
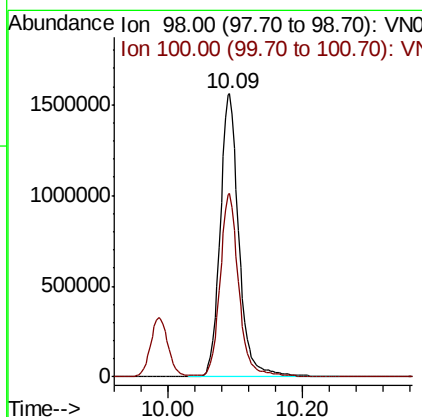
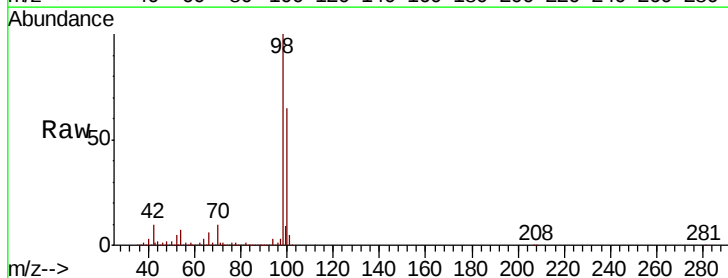
Manual Integrations
APPROVED

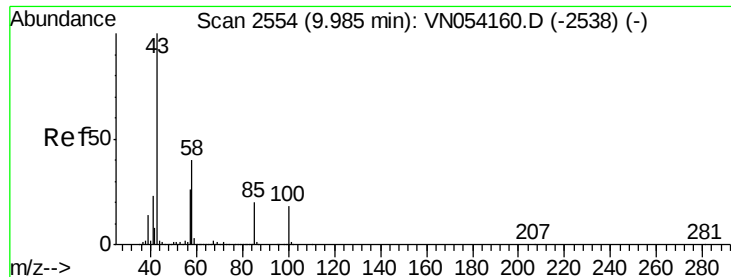
MMDadoda
3/13/2019 11:49:27 AM



#50
Toluene-d8
Concen: 49.365 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	3042286		
100	65.0	51.2	76.8	





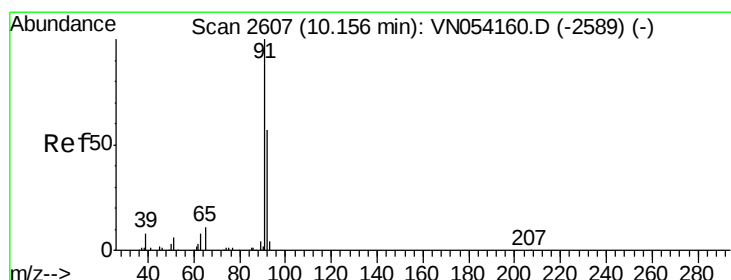
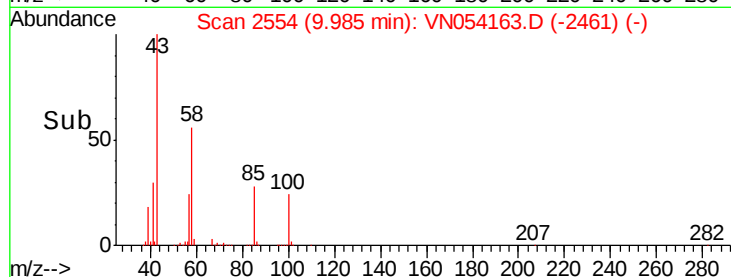
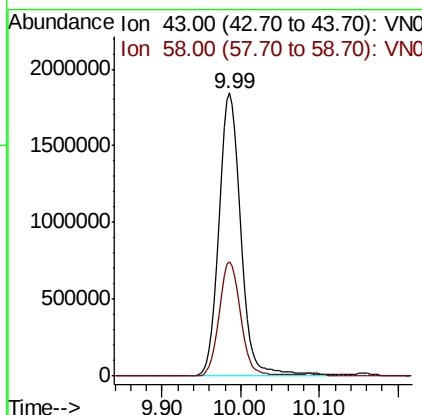
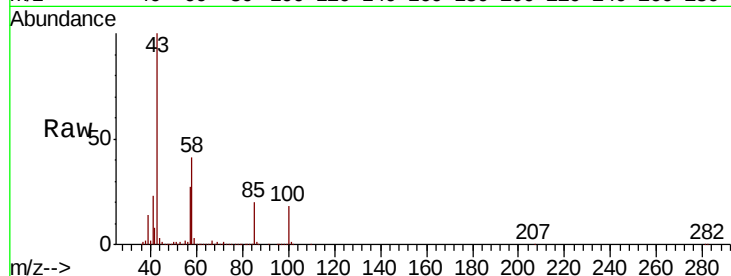
#51
4-Methyl-2-Pentanone
Concen: 278.818 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 43 Resp: 3545842
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.6

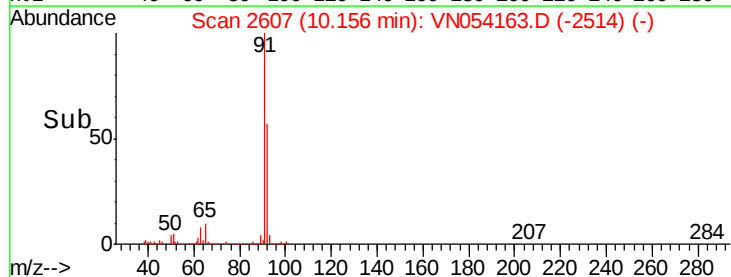
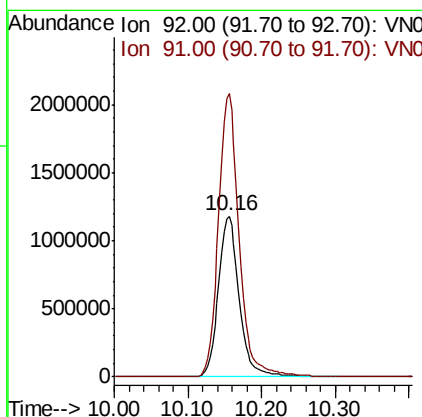
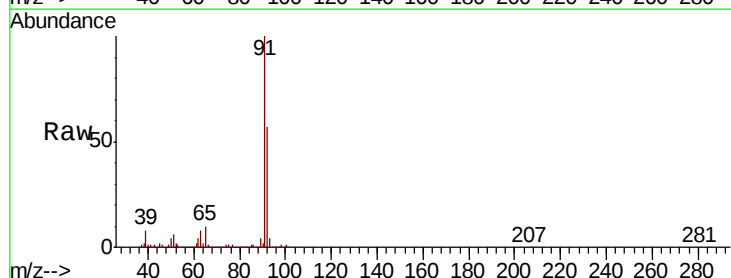
Manual Integrations
APPROVED

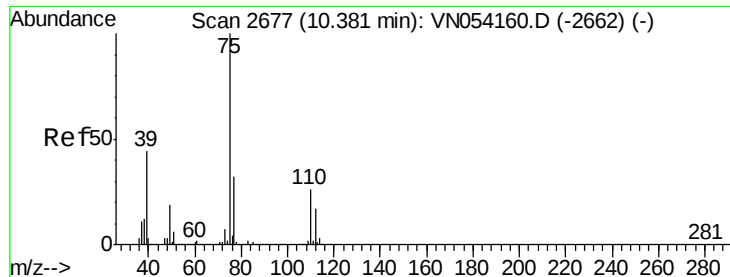
MMDadoda
3/13/2019 11:49:27 AM



#52
Toluene
Concen: 53.512 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 92 Resp: 2313510
Ion Ratio Lower Upper
92 100
91 175.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 50.637 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 75 Resp: 1328883

Ion Ratio Lower Upper

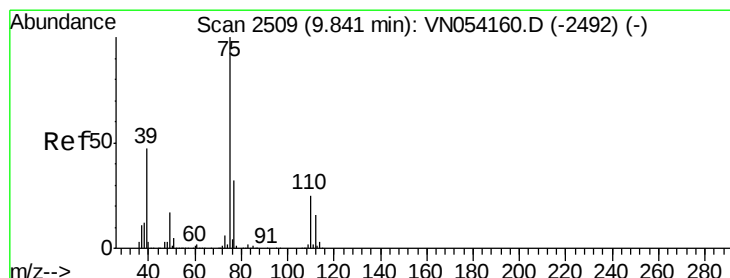
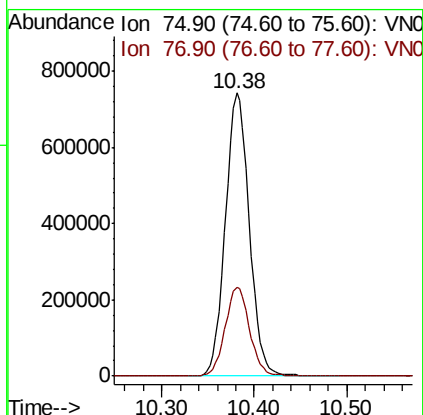
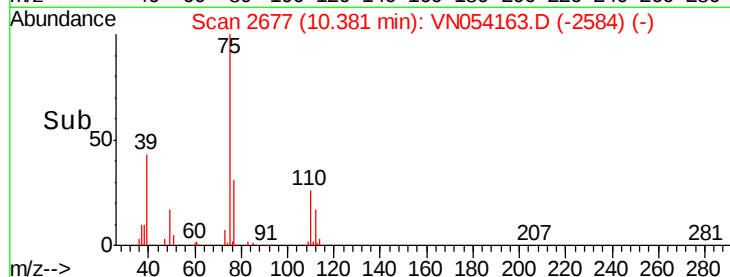
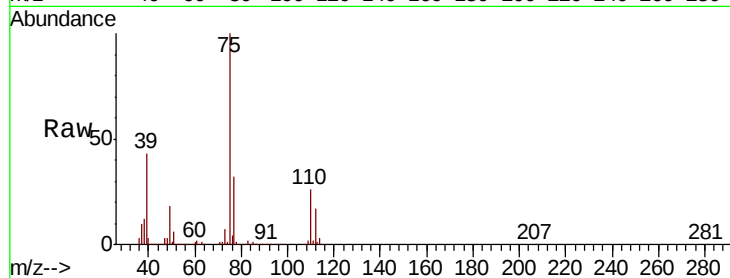
75 100

77 31.4 25.8 38.8

Manual Integrations
APPROVED

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3/13/2019 11:49:27 AM



#54

cis-1,3-Dichloropropene

Concen: 55.491 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

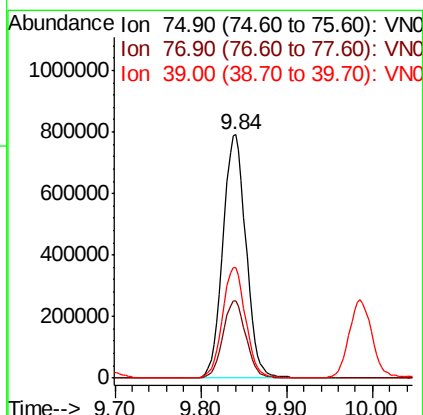
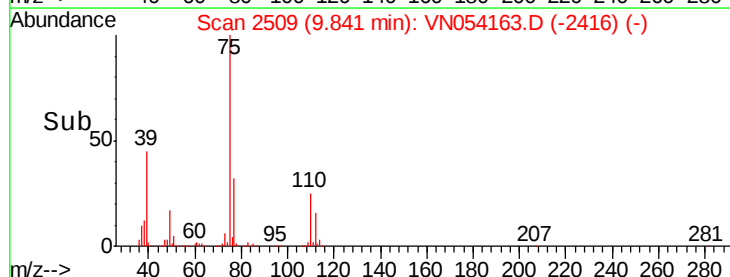
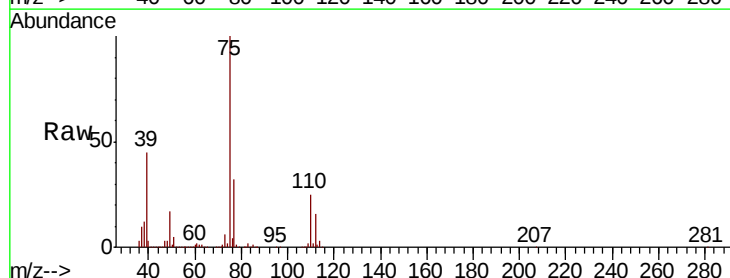
Tgt Ion: 75 Resp: 1482934

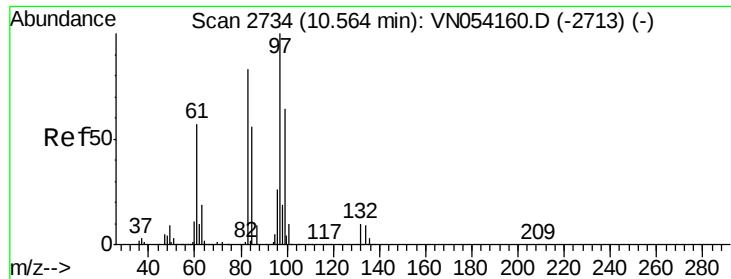
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 45.2 37.2 55.8





#55

1,1,2-Trichloroethane

Concen: 52.670 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

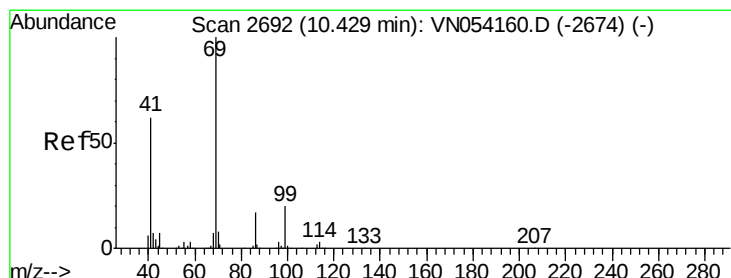
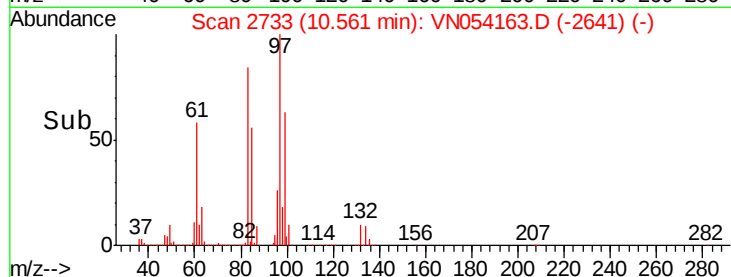
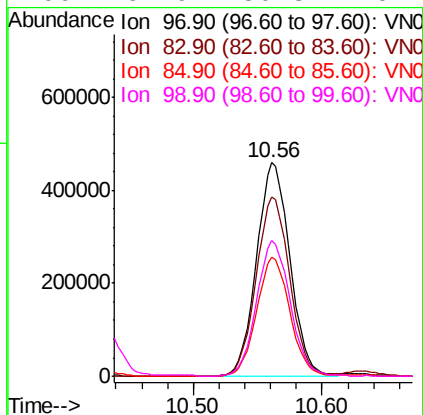
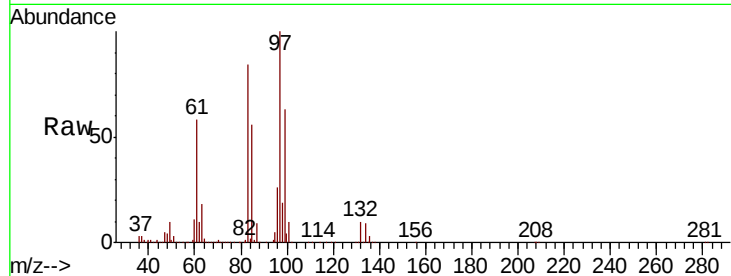
ClientSampleId :

ICVVN031219

Tgt Ion:	97	Resp:	831457
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.6	100.0
85	55.7	44.4	66.6
99	62.9	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 56.025 ug/l

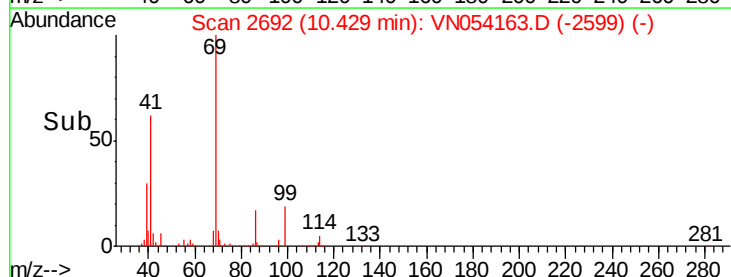
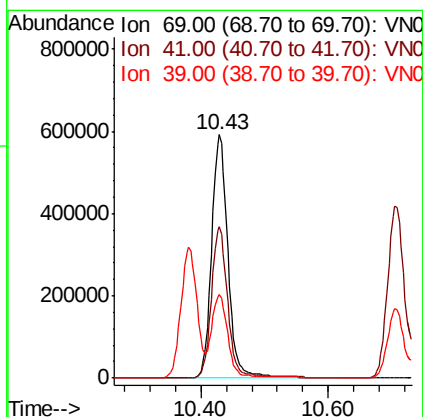
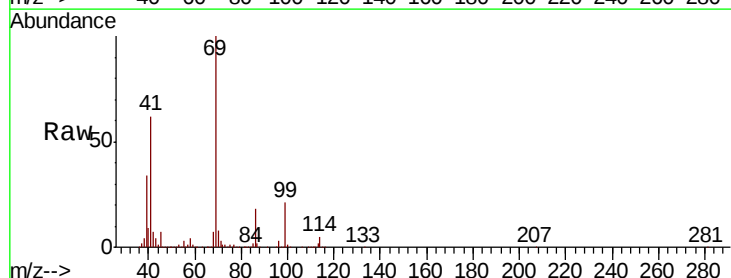
RT: 10.43 min Scan# 2692

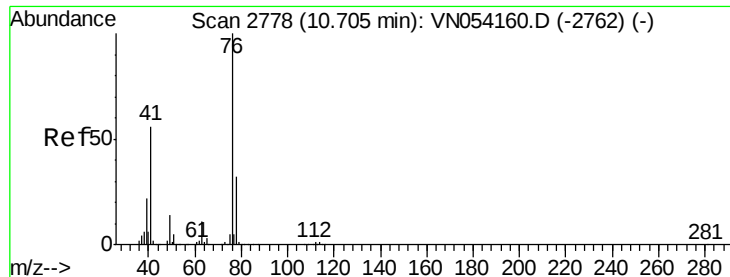
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	69	Resp:	1054549
Ion	Ratio	Lower	Upper
69	100		
41	60.7	49.4	74.2
39	33.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 53.447 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 76 Resp: 1379580

Ion Ratio Lower Upper

76 100

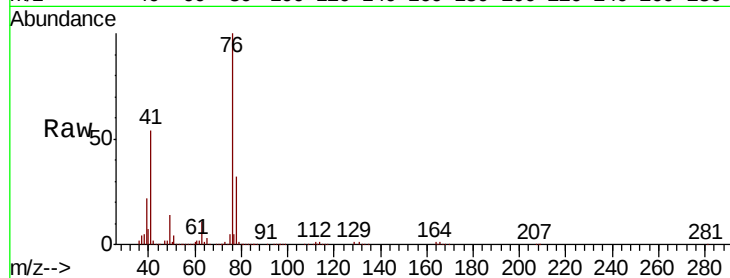
78 31.9 25.7 38.5

Manual Integrations

APPROVED

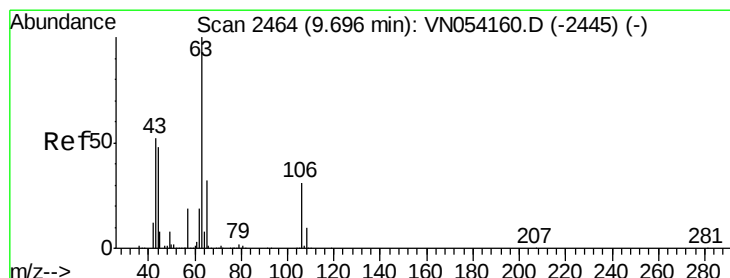
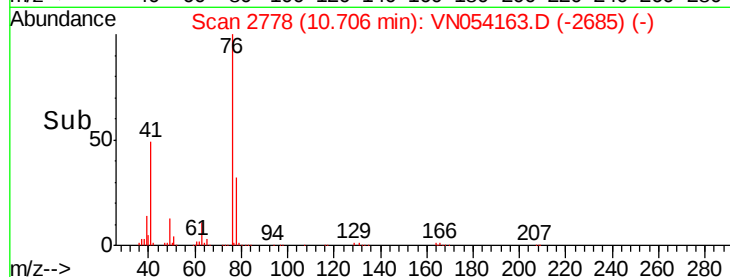
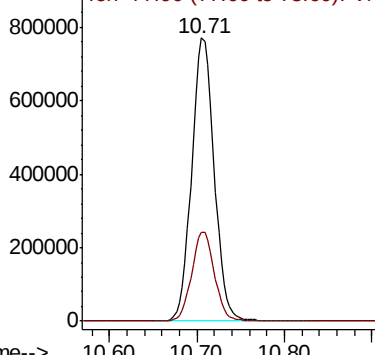
MMDadoda

3/13/2019 11:49:27 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 235.141 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054163.D

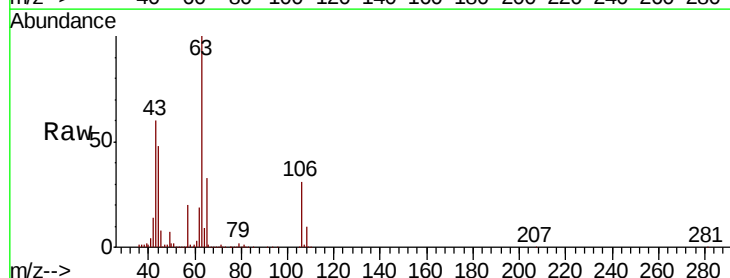
Acq: 12 Mar 2019 13:51

Tgt Ion: 63 Resp: 1911441

Ion Ratio Lower Upper

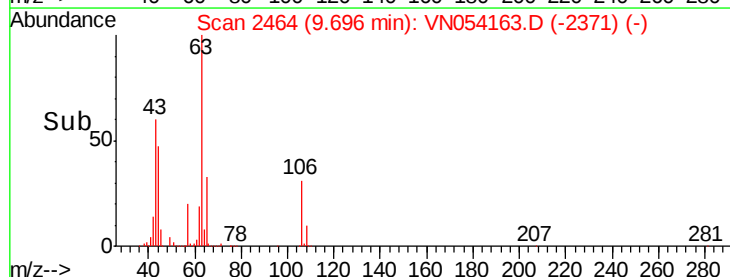
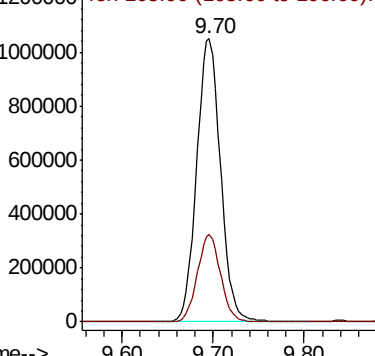
63 100

106 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





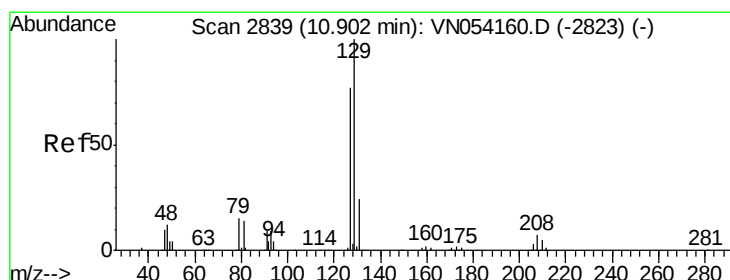
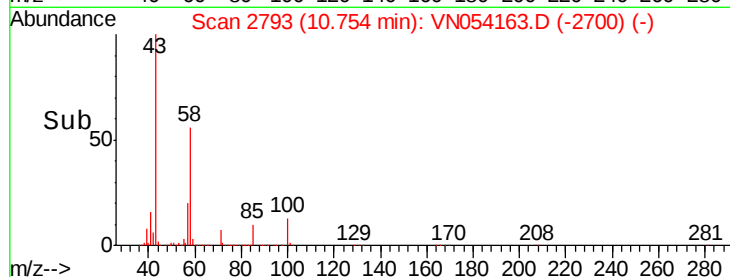
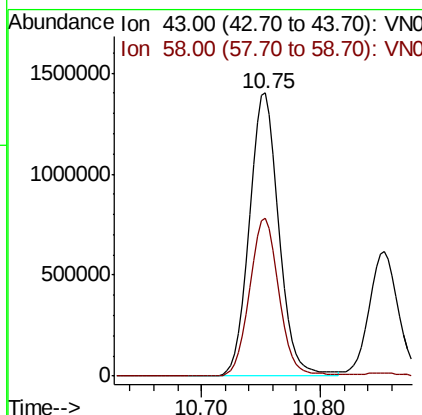
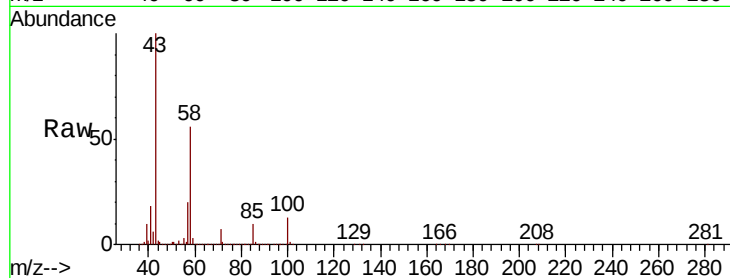
#59
2-Hexanone
Concen: 283.369 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 43 Resp: 2397907
Ion Ratio Lower Upper
43 100
58 56.2 28.0 83.9

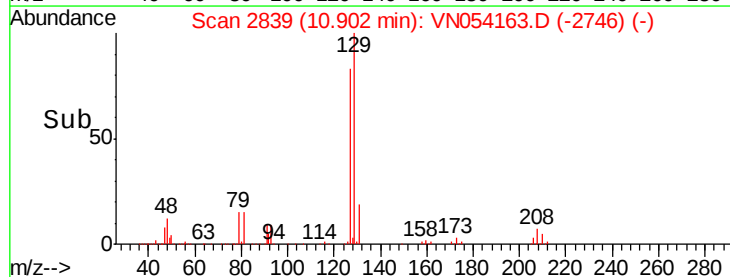
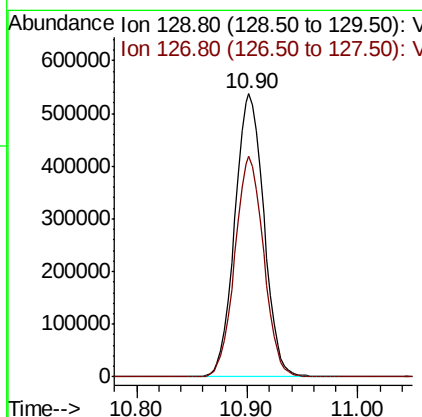
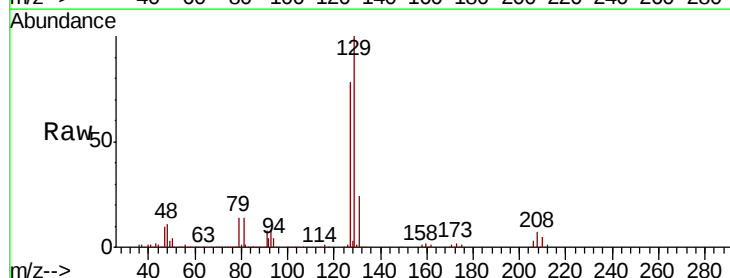
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#60
Dibromochloromethane
Concen: 55.210 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 129 Resp: 980989
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





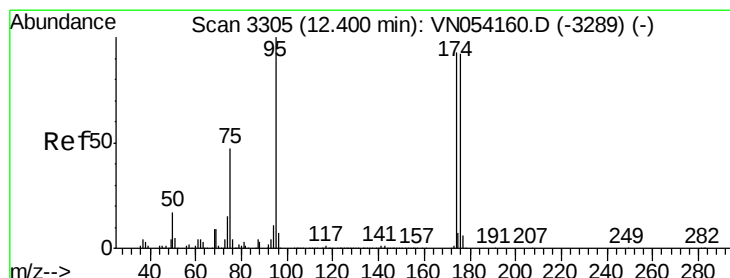
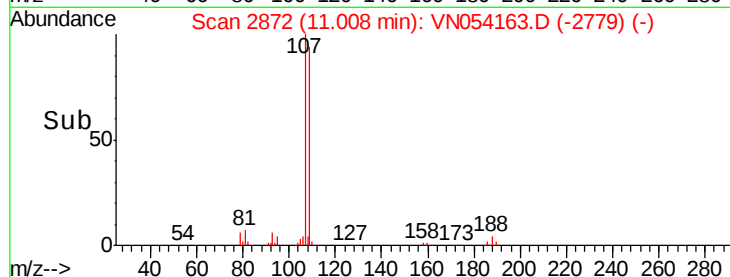
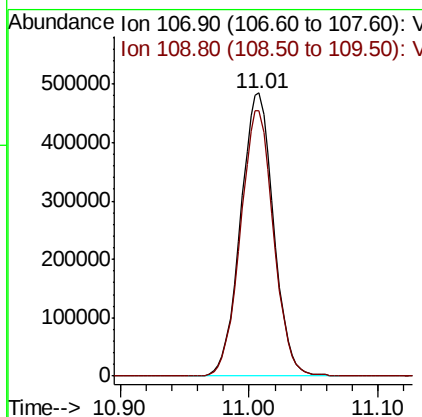
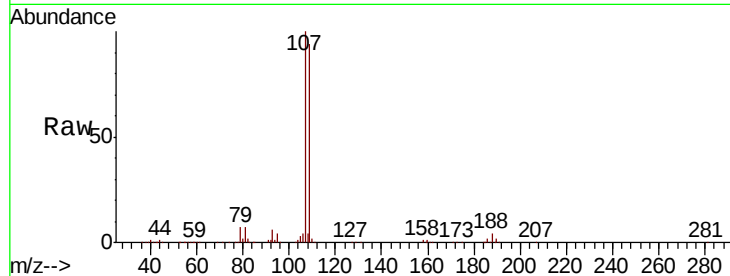
#61
1,2-Dibromoethane
Concen: 53.837 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	863665		
109	94.3	75.9	113.9	

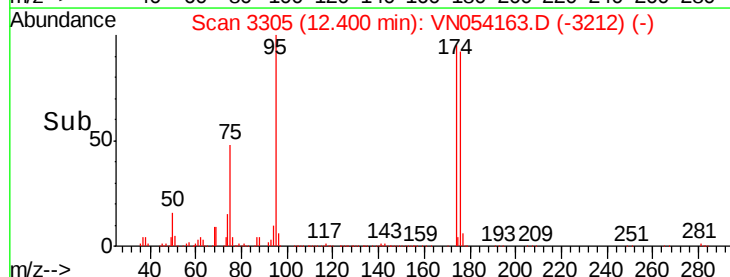
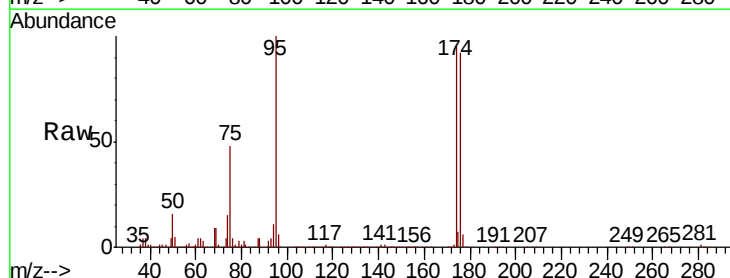
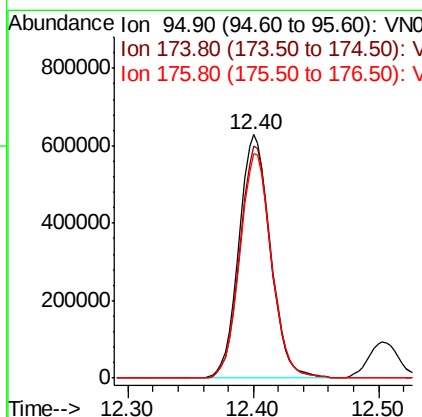
Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:27 AM



#62
4-Bromofluorobenzene
Concen: 50.590 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	1090904		
174	95.9	0.0	191.0	
176	93.0	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: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion:117 Resp: 2291495

Ion Ratio Lower Upper

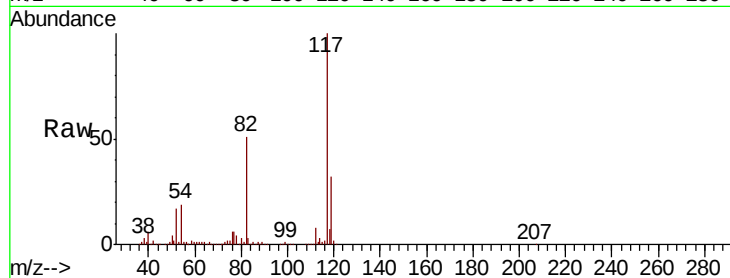
117 100

82 51.3 40.0 60.0

119 32.2 25.8 38.6

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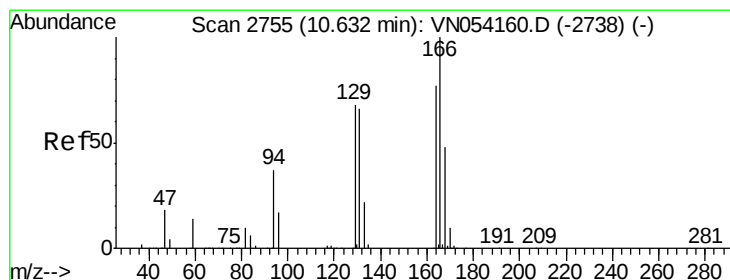
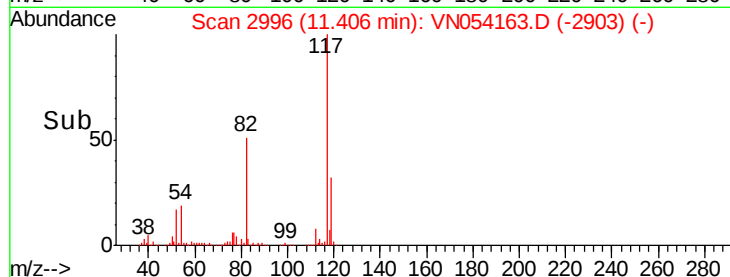
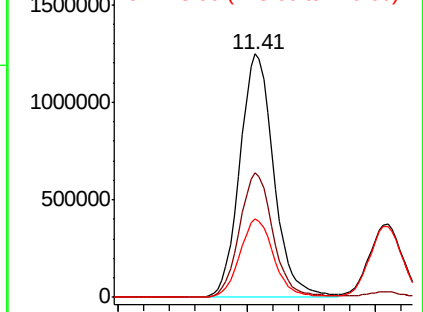
MMDadoda
3/13/2019 11:49:27 AM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 50.299 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:164 Resp: 1114385

Ion Ratio Lower Upper

164 100

166 128.1 103.9 155.9

129 88.7 71.1 106.7

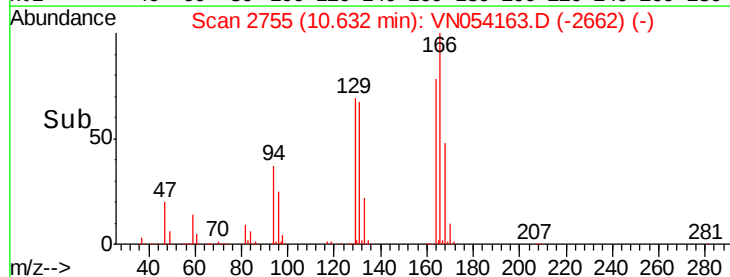
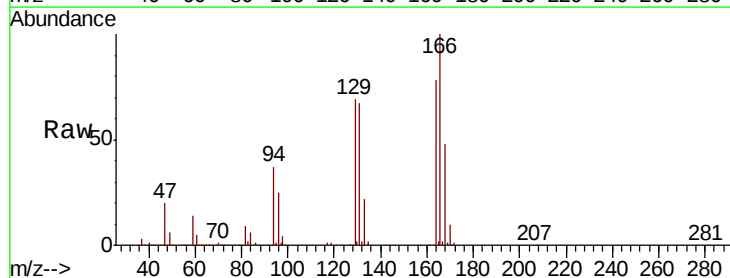
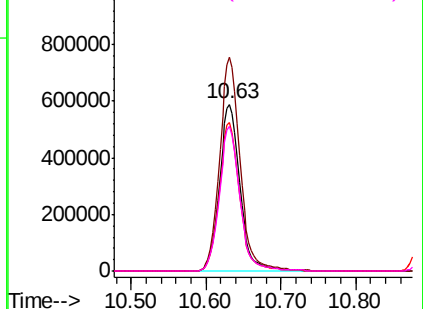
131 86.3 68.2 102.4

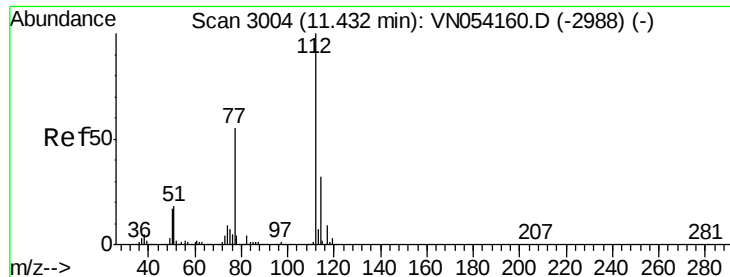
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





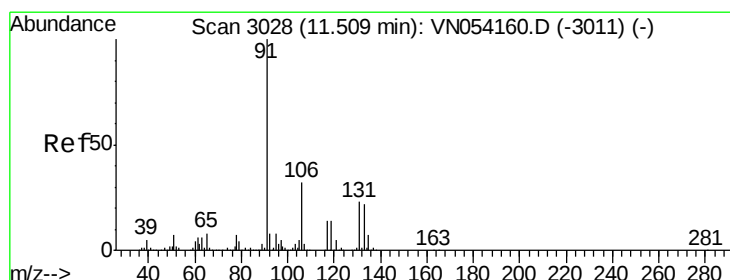
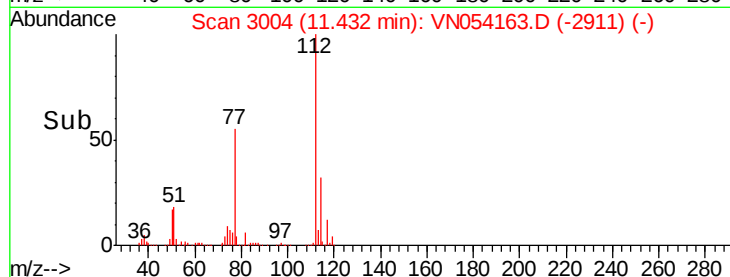
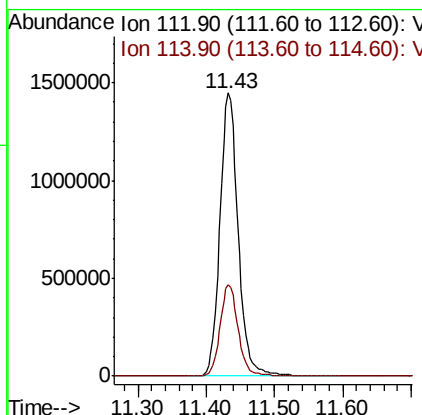
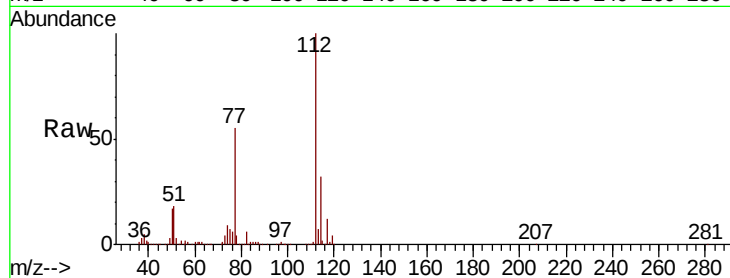
#65
Chlorobenzene
Concen: 53.214 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion:112 Resp: 2677449
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

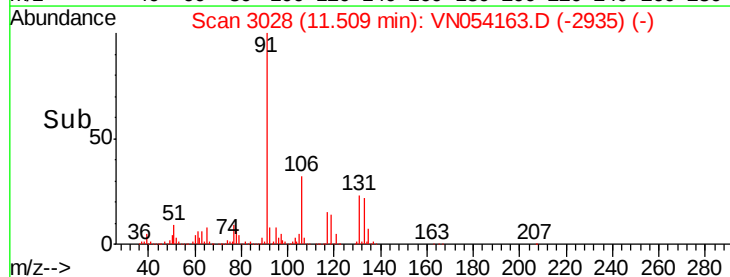
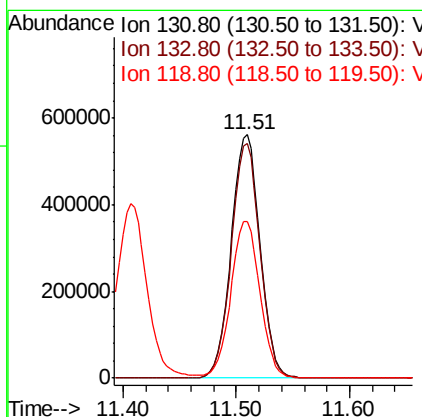
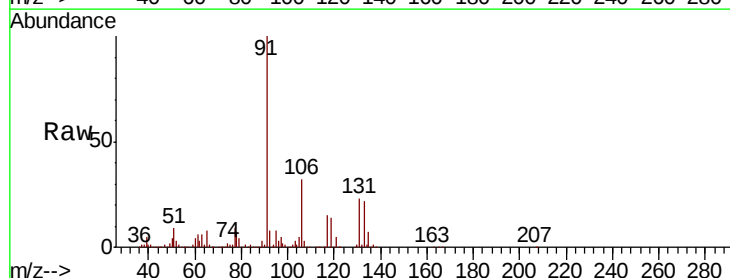
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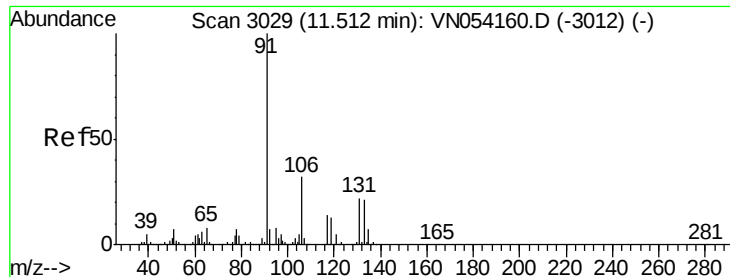
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.419 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:131 Resp: 994670
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.9
119 65.2 32.4 97.0





#67

Ethyl Benzene

Concen: 53.176 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 91 Resp: 4435214

Ion Ratio Lower Upper

91 100

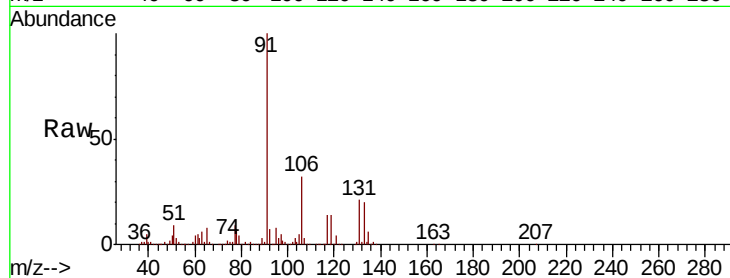
106 31.6 25.5 38.3

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Abundance Ion 91.00 (90.70 to 91.70): VN054163.D (-2936) (-)

Ion 106.00 (105.70 to 106.70): VN054163.D (-2936) (-)

4000000

3000000

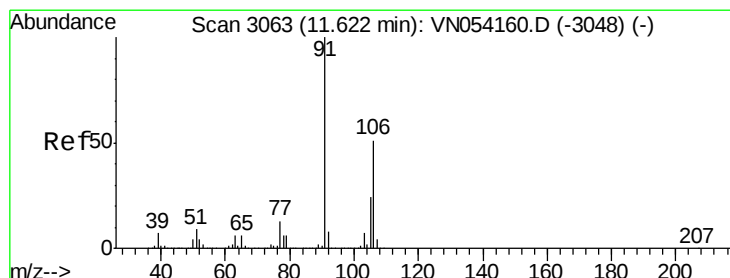
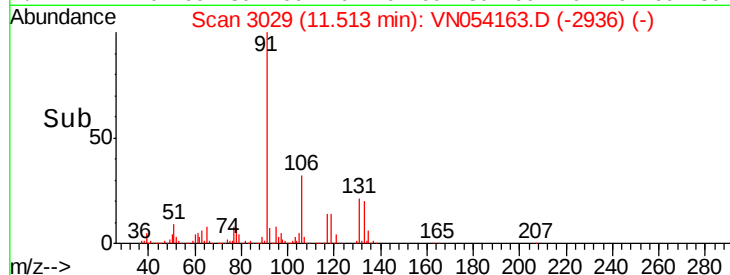
2000000

1000000

0

11.40 11.50 11.60

Time-->



#68

m/p-Xylenes

Concen: 108.518 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN054163.D

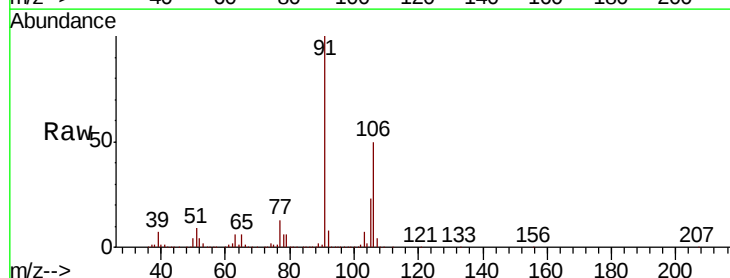
Acq: 12 Mar 2019 13:51

Tgt Ion: 106 Resp: 3537555

Ion Ratio Lower Upper

106 100

91 199.9 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054163.D (-2970) (-)

Ion 91.00 (90.70 to 91.70): VN054163.D (-2970) (-)

4000000

3000000

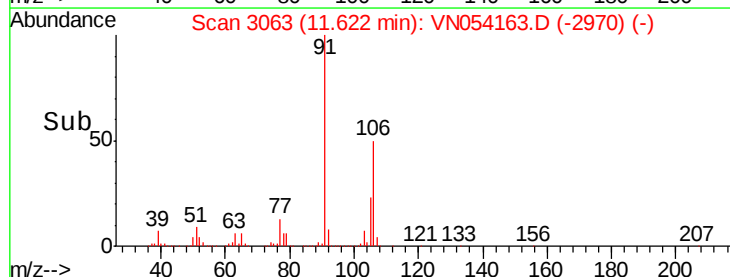
2000000

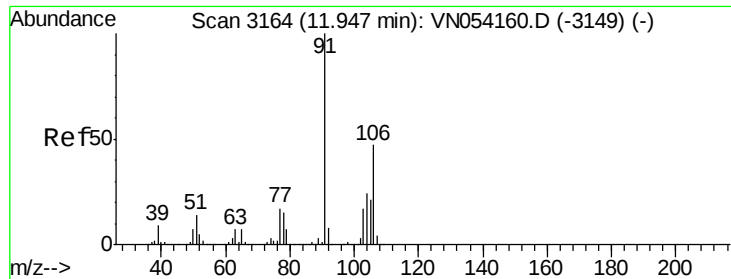
1000000

0

11.50 11.60 11.70

Time-->





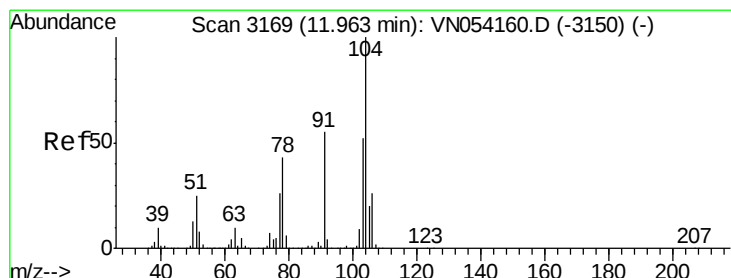
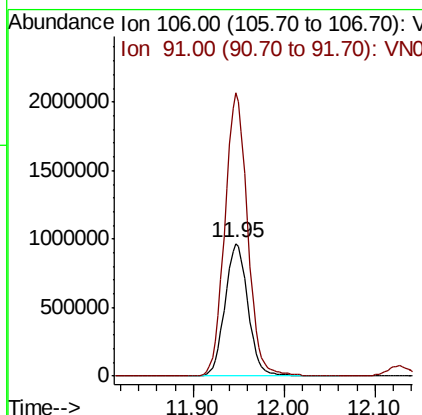
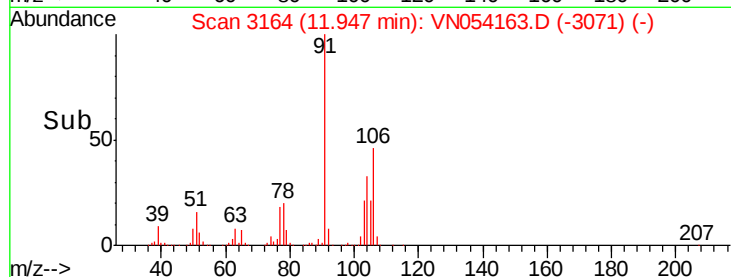
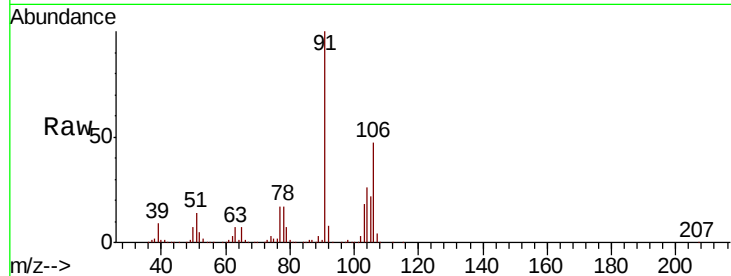
#69
o-Xylene
Concen: 53.536 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion:106 Resp: 1701292
Ion Ratio Lower Upper
106 100
91 210.8 105.7 317.1

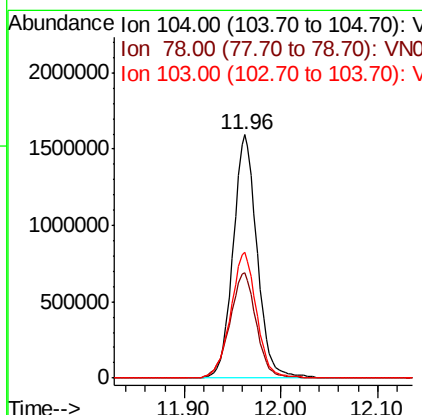
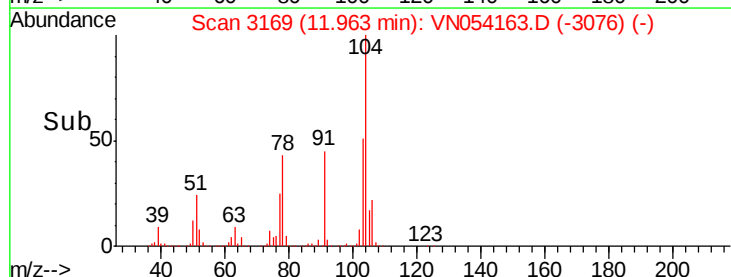
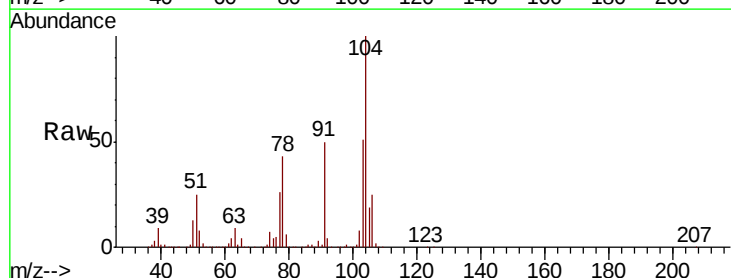
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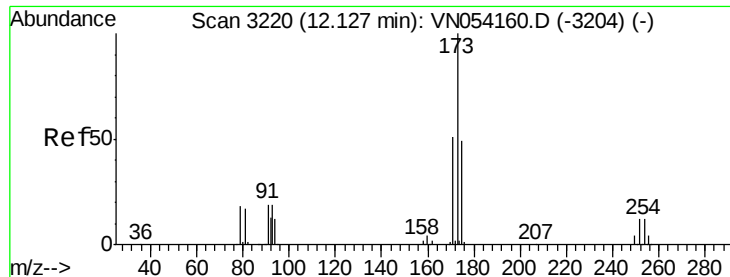
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#70
Styrene
Concen: 54.994 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:104 Resp: 2740832
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 56.0 44.4 66.6





#71

Bromoform

Concen: 49.989 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

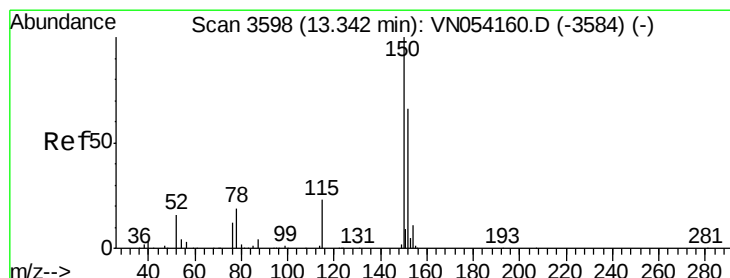
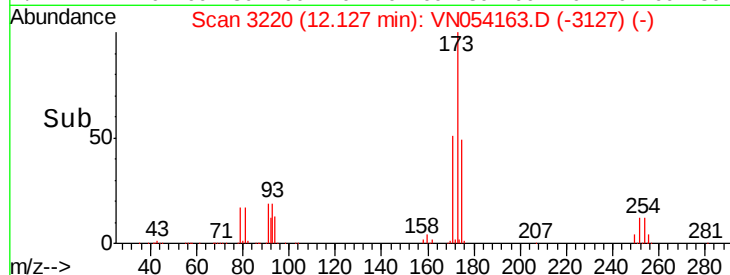
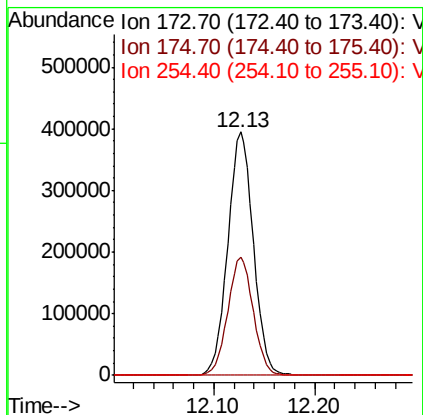
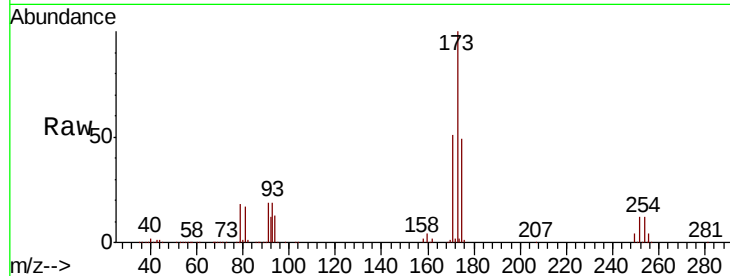
ClientSampleId :

ICVVN031219

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.2
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

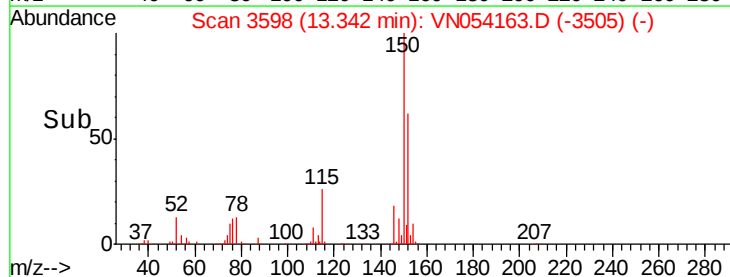
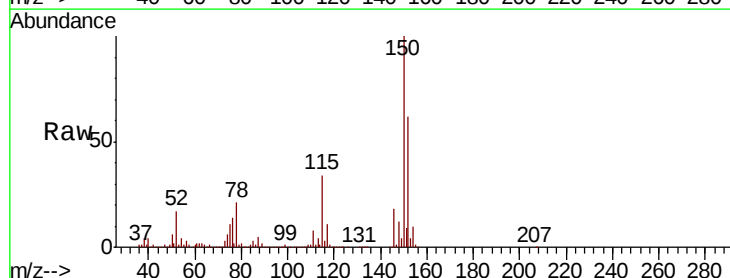
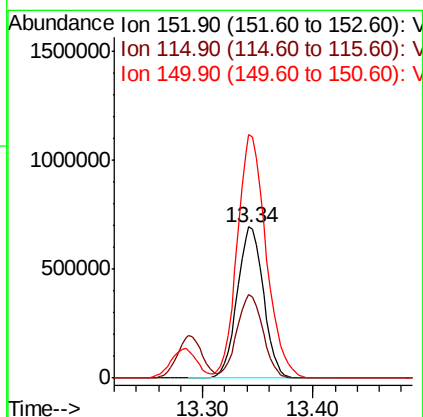
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.2	81.6
150	176.7	0.0	349.2





#73

Isopropylbenzene

Concen: 49.504 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 105 Resp: 4542893

Ion Ratio Lower Upper

105 100

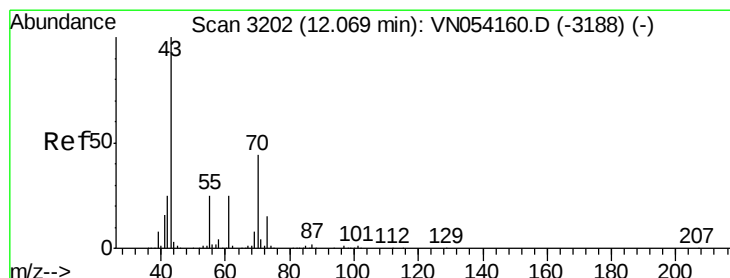
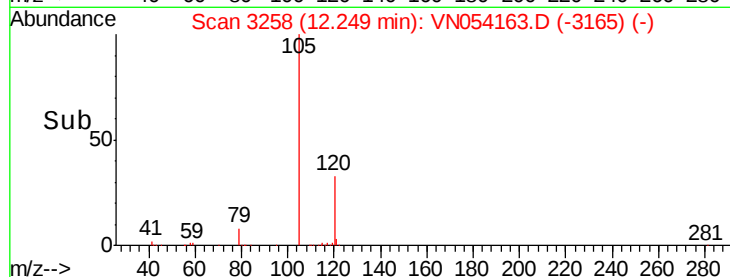
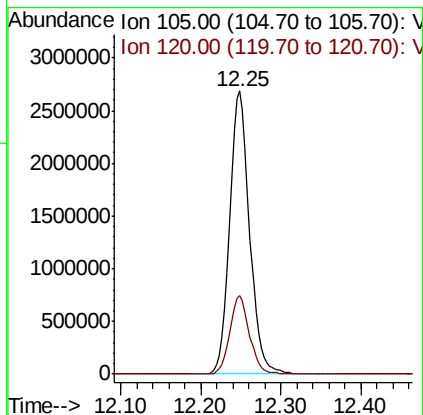
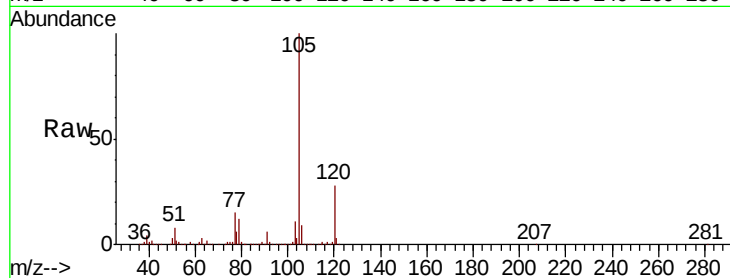
120 27.4 13.8 41.3

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#74

N-ethyl acetate

Concen: 54.608 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 1112351

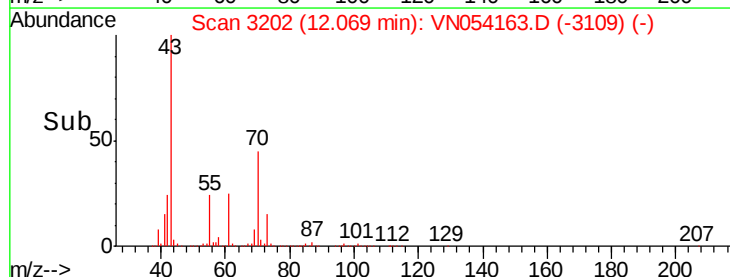
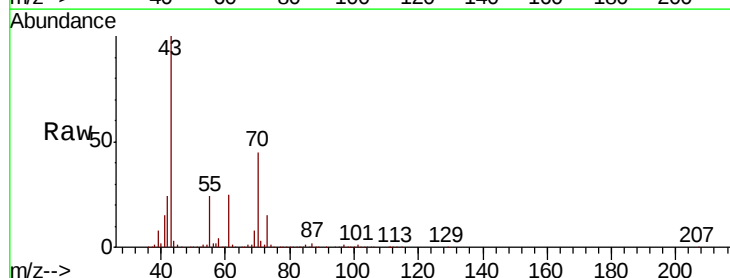
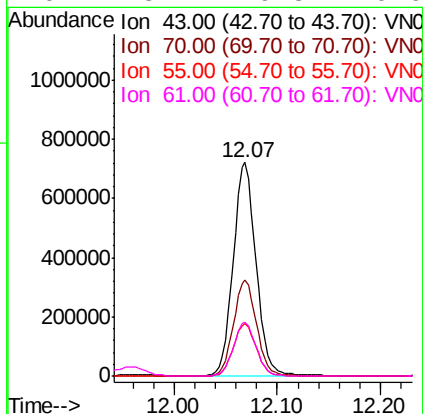
Ion Ratio Lower Upper

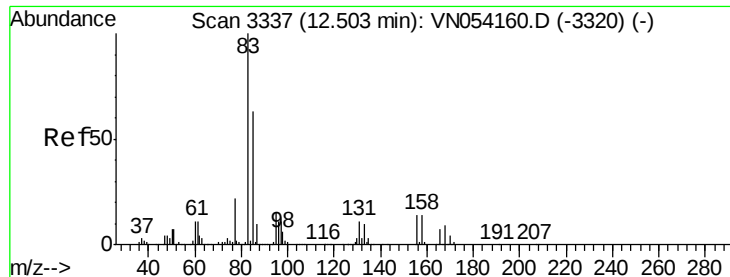
43 100

70 45.4 35.4 53.0

55 24.6 19.8 29.6

61 25.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.026 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

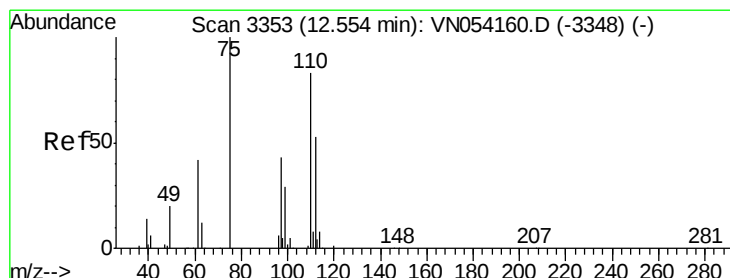
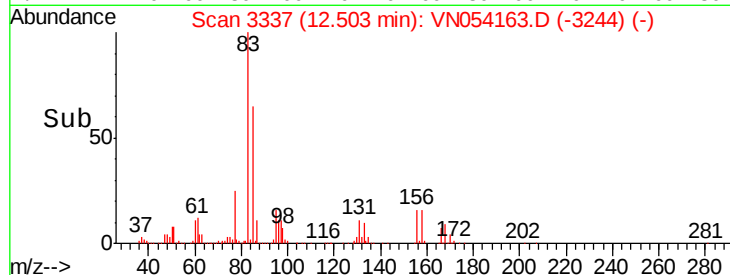
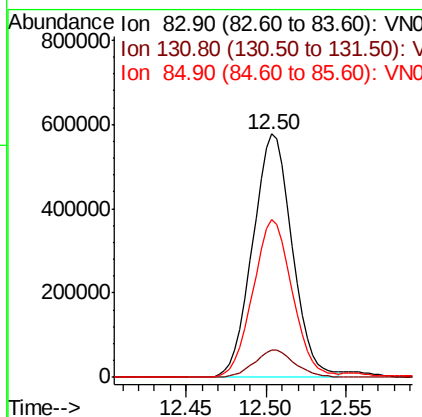
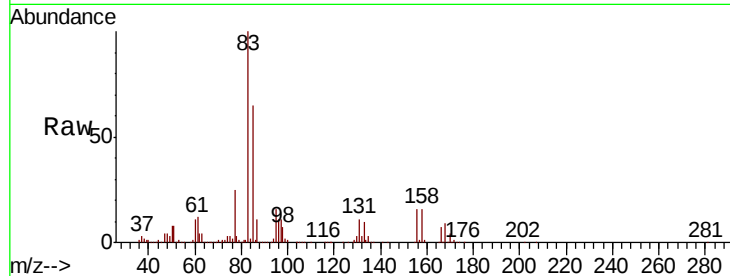
ClientSampleId :

ICVVN031219

Tgt Ion:	83	Resp:	978112
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	64.7	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 44.171 ug/l m

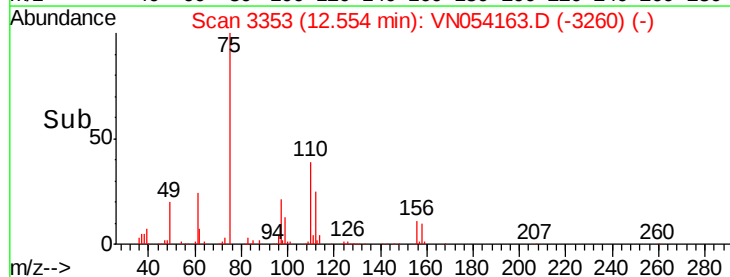
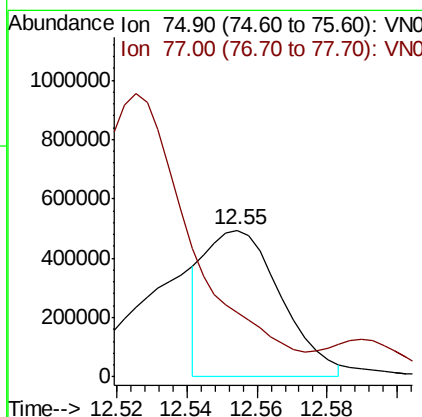
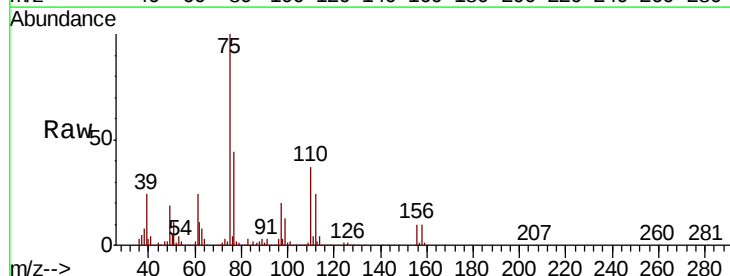
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	75	Resp:	745059
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion:156 Resp: 1205636

Ion Ratio Lower Upper

156 100

77 161.6 81.5 244.4

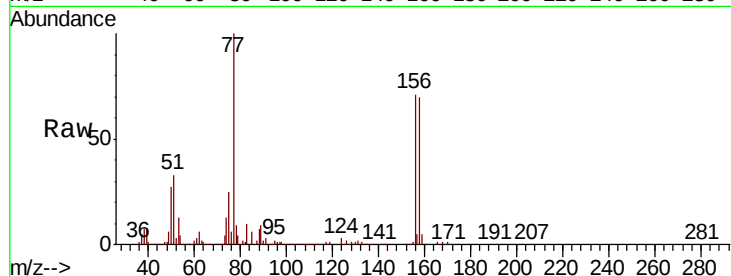
158 98.2 49.0 147.2

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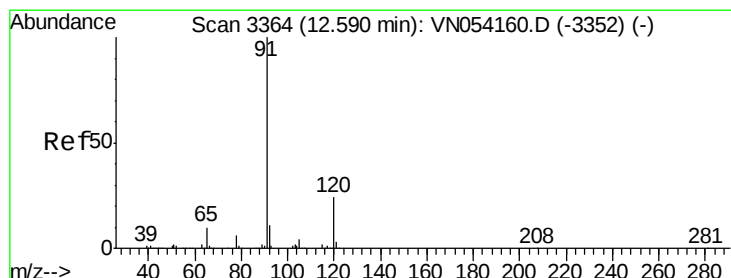
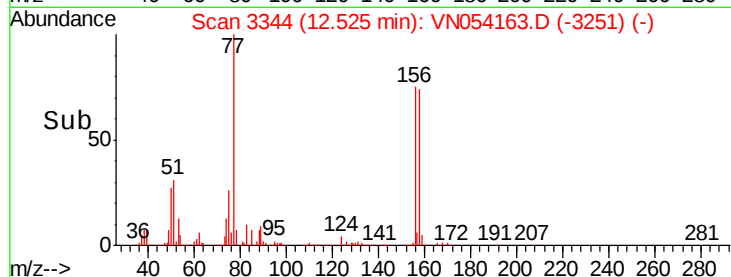
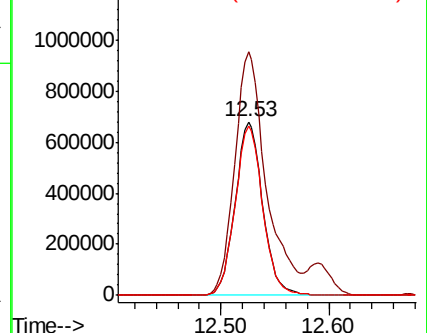
3/13/2019 11:49:27 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.075 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054163.D

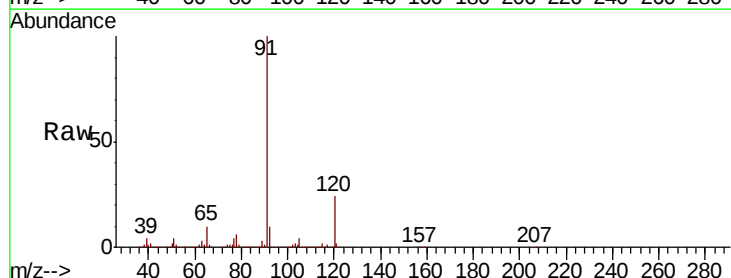
Acq: 12 Mar 2019 13:51

Tgt Ion: 91 Resp: 5185410

Ion Ratio Lower Upper

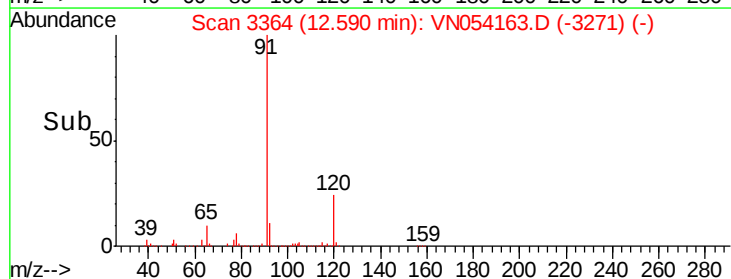
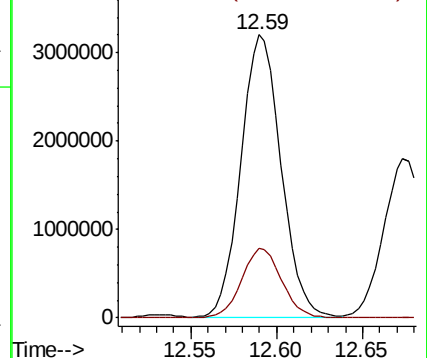
91 100

120 24.7 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.140 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

ICVVN031219

Tgt Ion: 91 Resp: 3001976

Ion Ratio Lower Upper

91 100

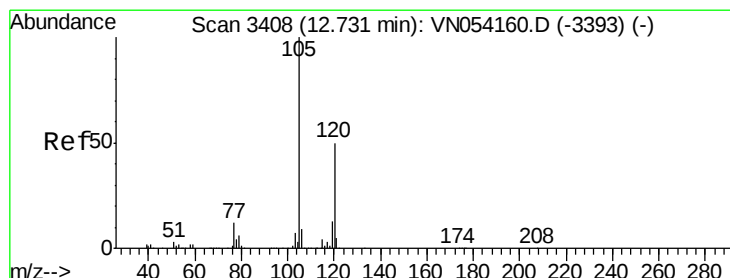
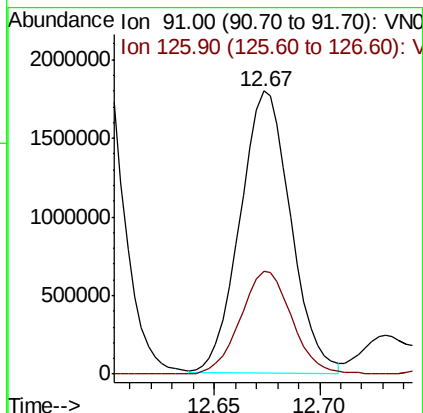
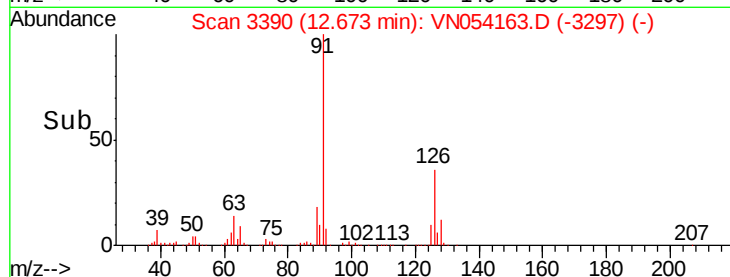
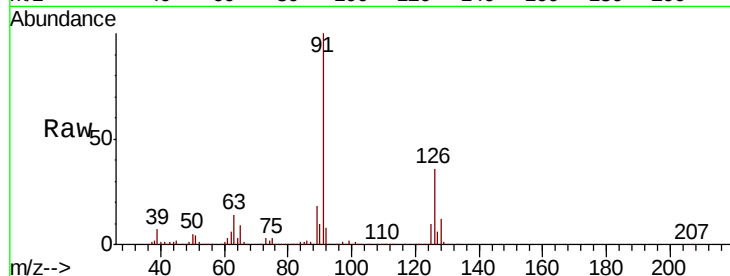
126 37.0 18.7 56.1

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3/13/2019 11:49:27 AM



#80

1,3,5-Trimethylbenzene

Concen: 50.768 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054163.D

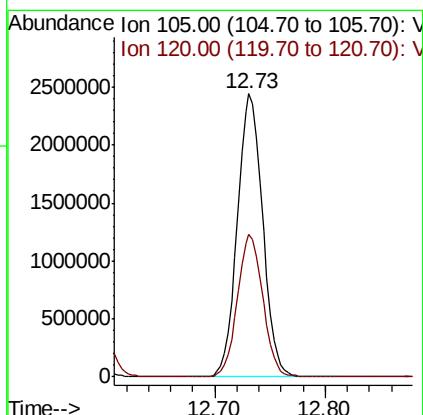
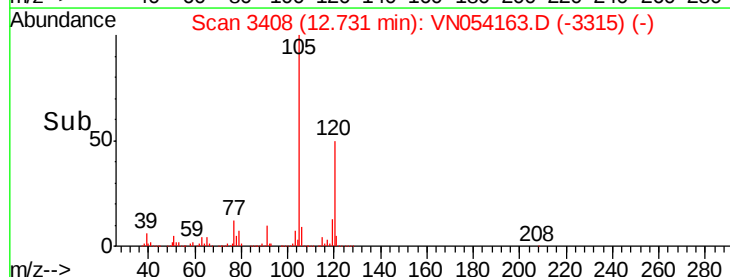
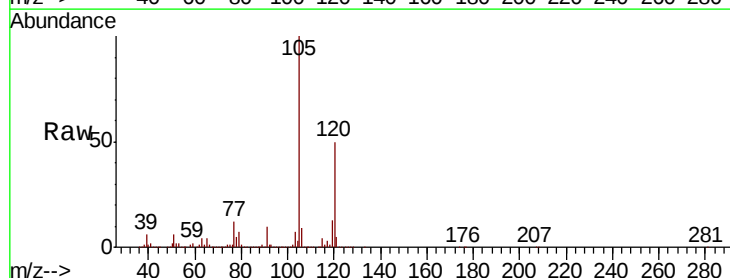
Acq: 12 Mar 2019 13:51

Tgt Ion: 105 Resp: 3875216

Ion Ratio Lower Upper

105 100

120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.870 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_N

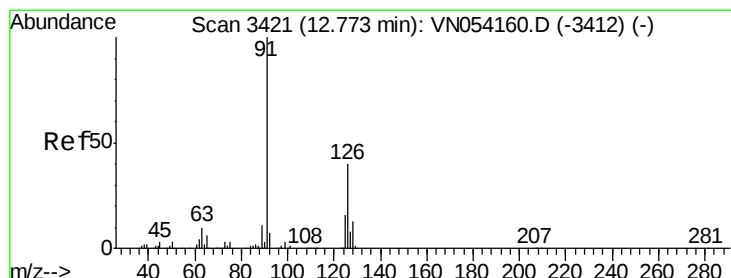
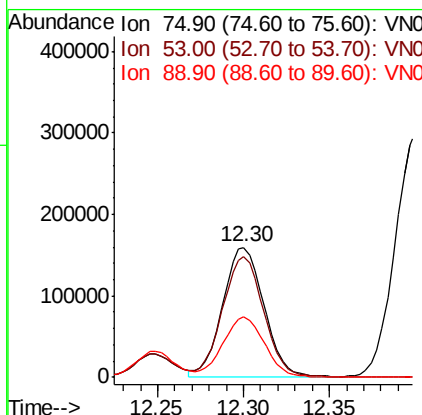
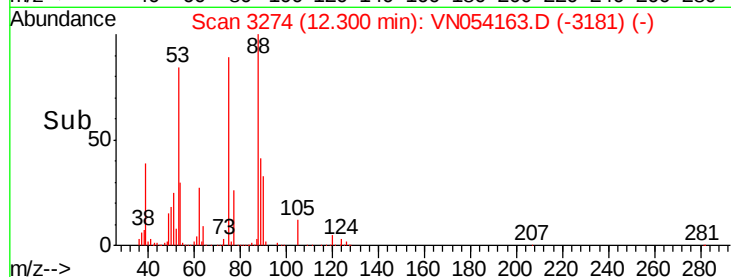
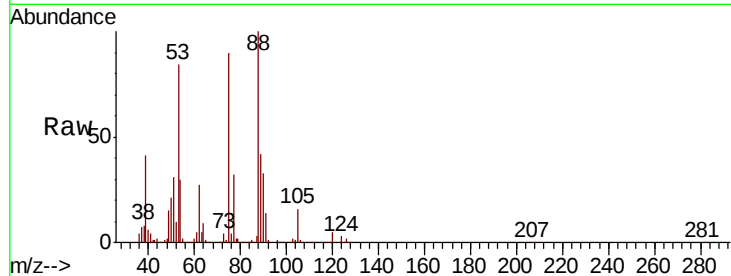
ClientSampleId :

ICVVN031219

Tgt Ion:	75	Resp:	265808
Ion	Ratio	Lower	Upper
75	100		
53	94.1	76.2	114.2
89	47.1	39.2	58.8

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#82

4-Chlorotoluene

Concen: 51.764 ug/l

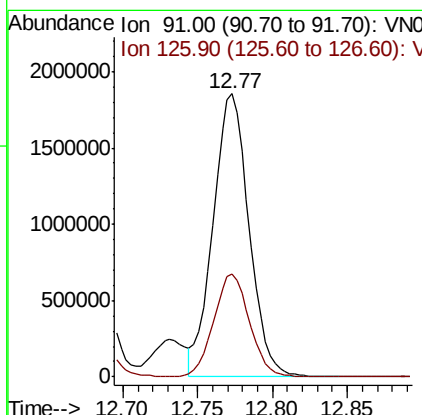
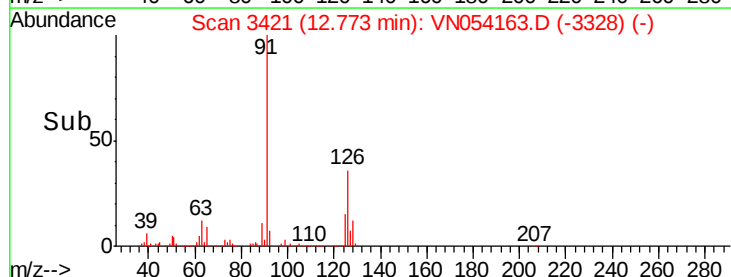
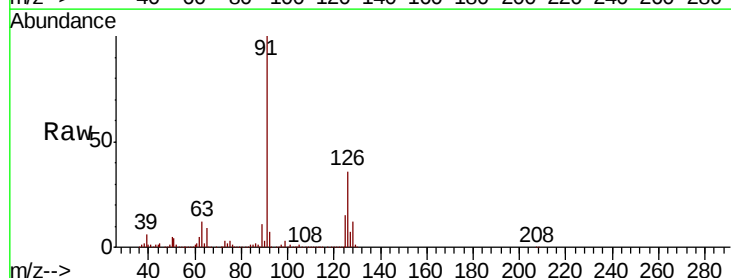
RT: 12.77 min Scan# 3421

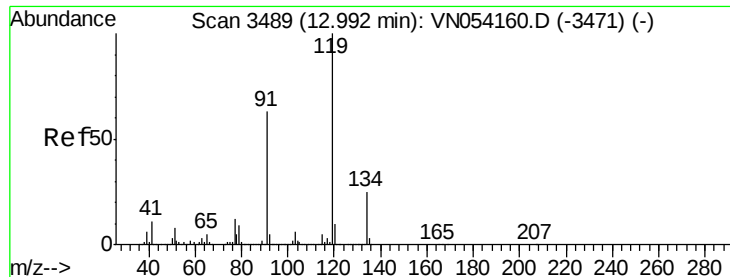
Delta R.T. 0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion:	91	Resp:	3094662
Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.1





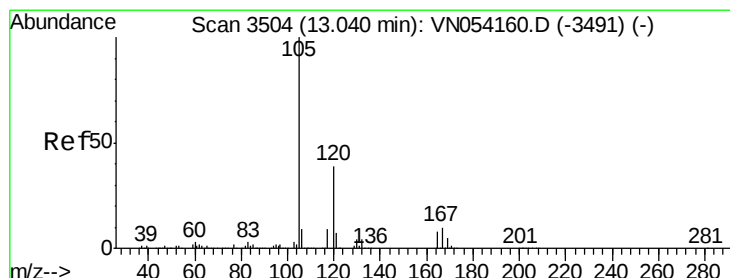
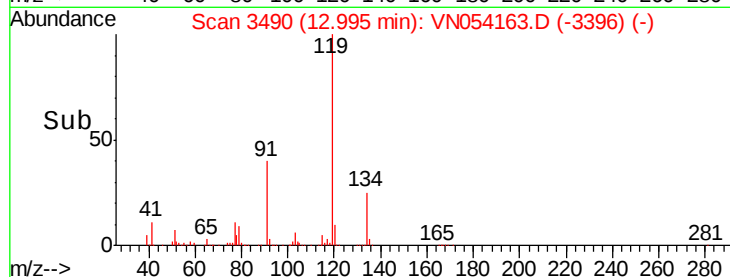
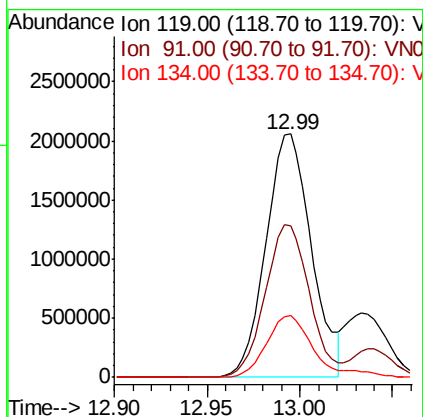
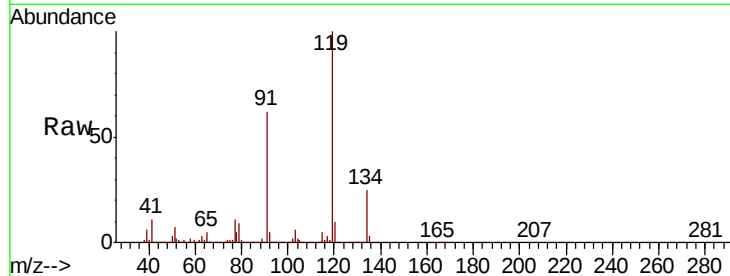
#83
tert-Butylbenzene
Concen: 50.032 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampled :
ICVVN031219

Tgt Ion:119 Resp: 3515241
Ion Ratio Lower Upper
119 100
91 60.8 30.9 92.8
134 26.5 13.2 39.6

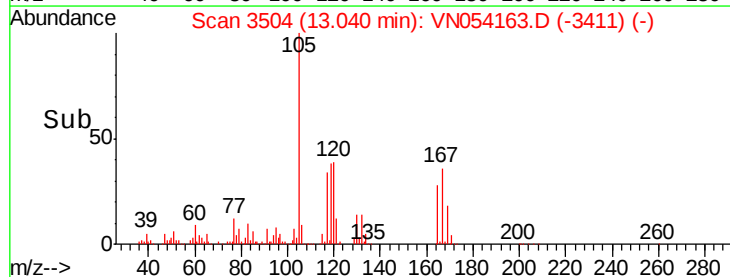
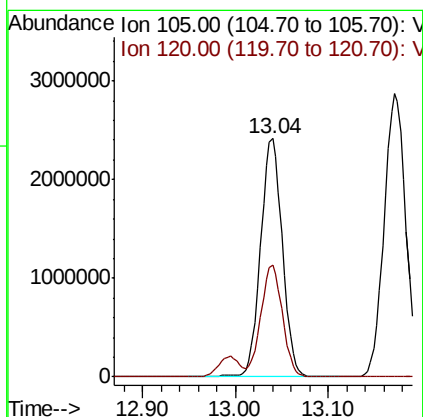
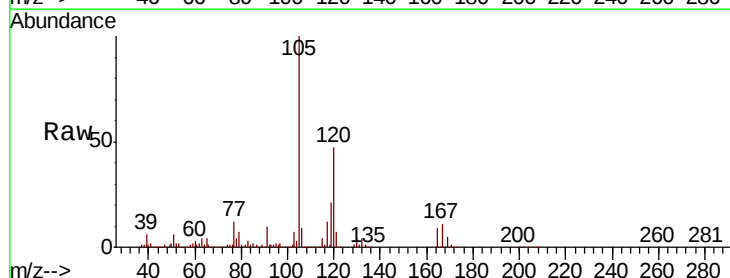
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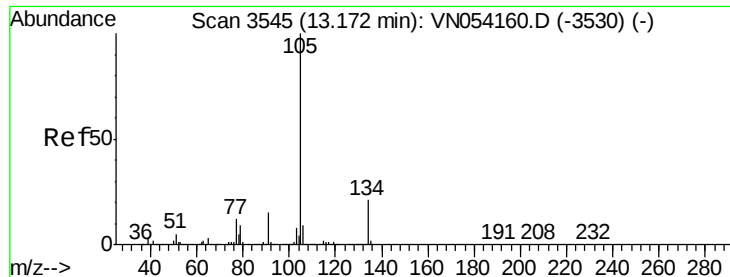
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#84
1,2,4-Trimethylbenzene
Concen: 52.536 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion:105 Resp: 3934227
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.3





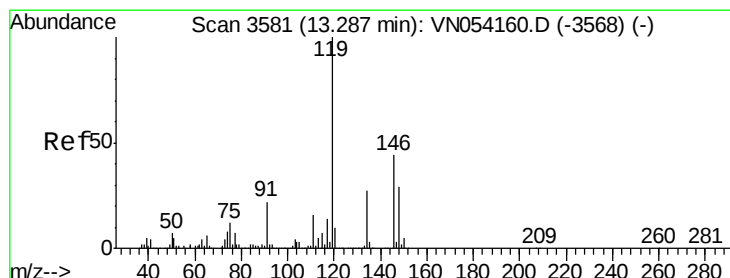
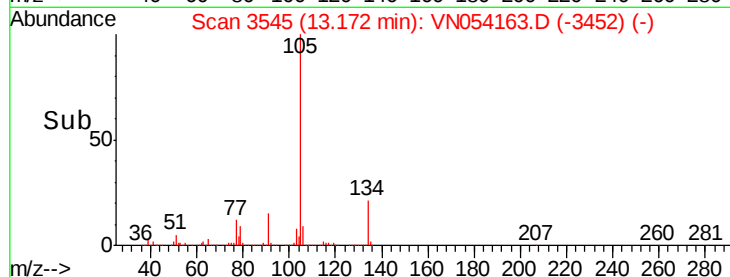
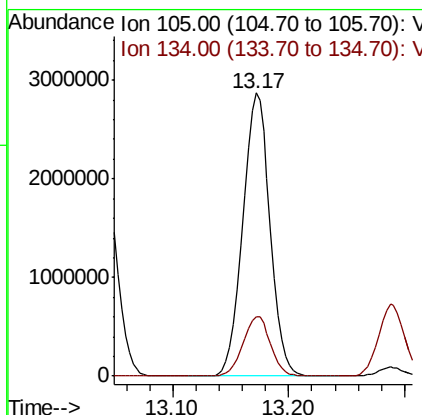
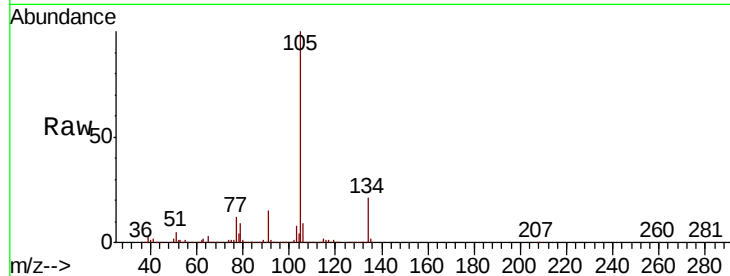
#85
 sec-Butylbenzene
 Concen: 51.101 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion:105 Resp: 4656174
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.7 32.1

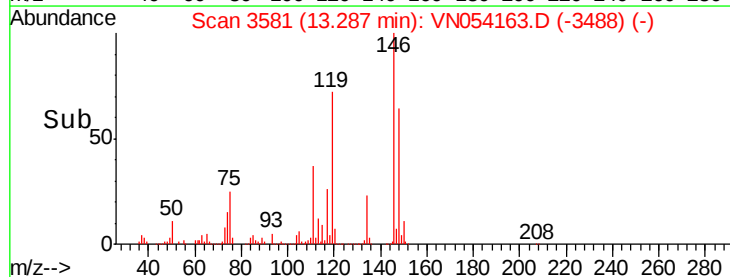
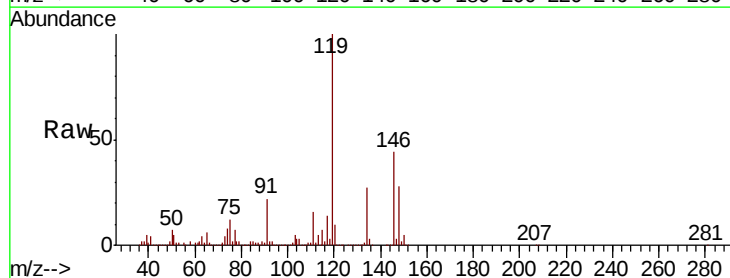
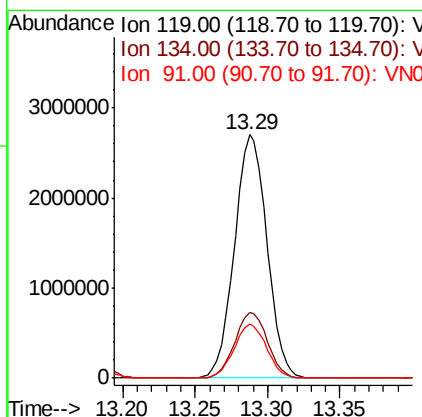
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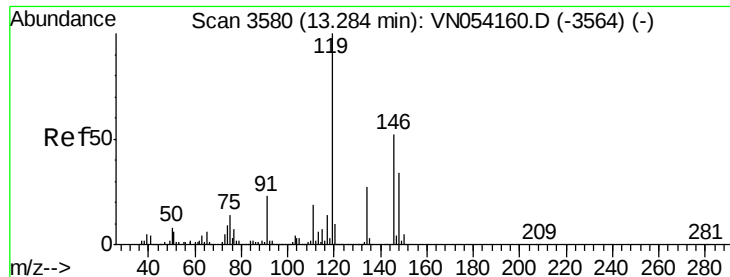
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 3/13/2019 11:49:27 AM



#86
 p-Isopropyltoluene
 Concen: 52.439 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:119 Resp: 4191782
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.6 40.8
 91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 53.379 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN054163.D

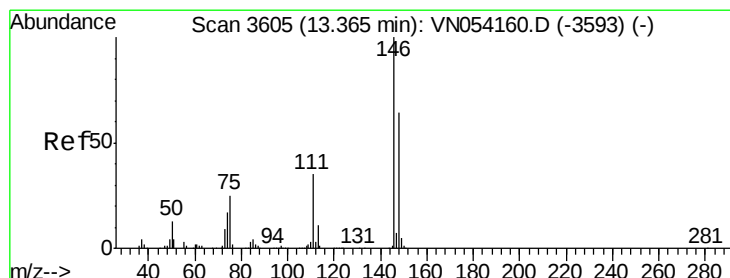
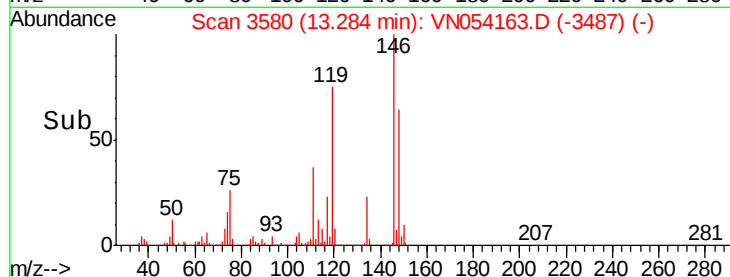
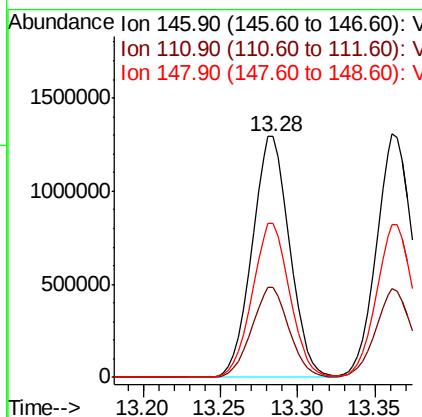
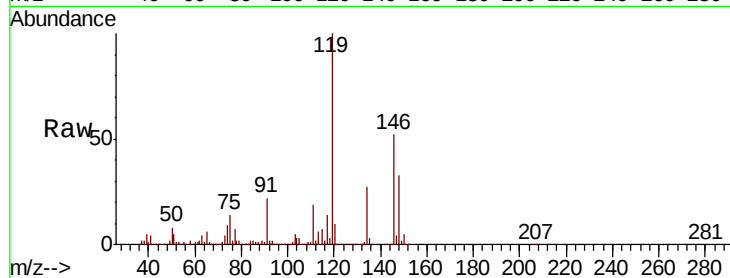
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	63.9	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 53.293 ug/l

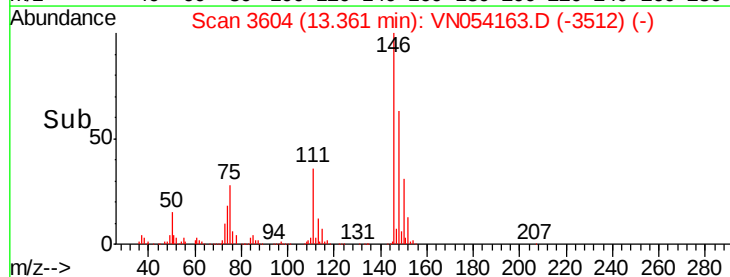
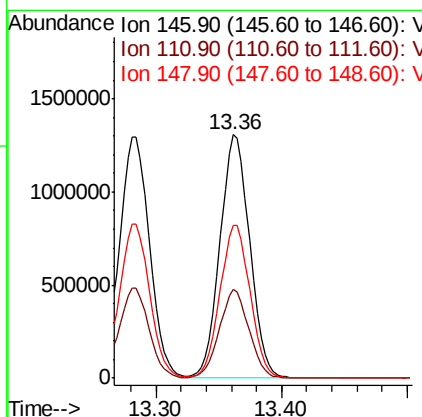
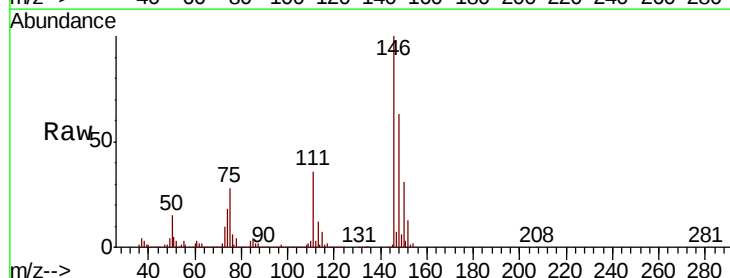
RT: 13.36 min Scan# 3604

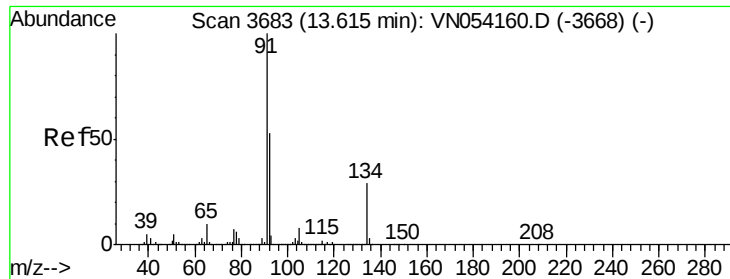
Delta R.T. -0.00 min

Lab File: VN054163.D

Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	63.8	32.0	96.0





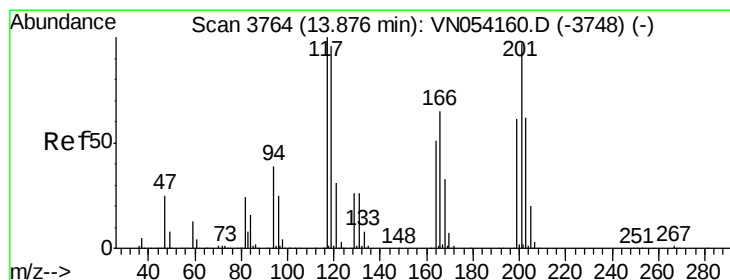
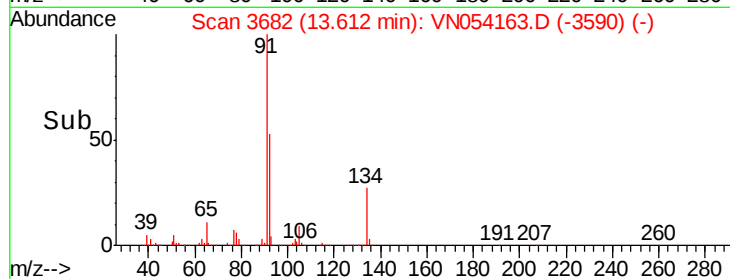
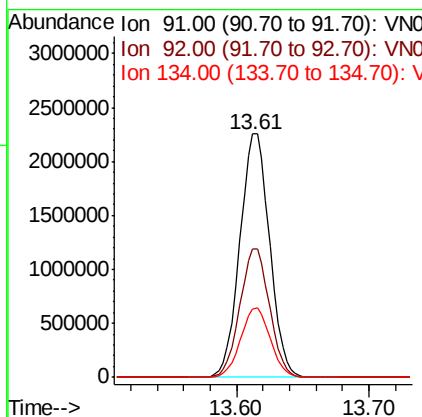
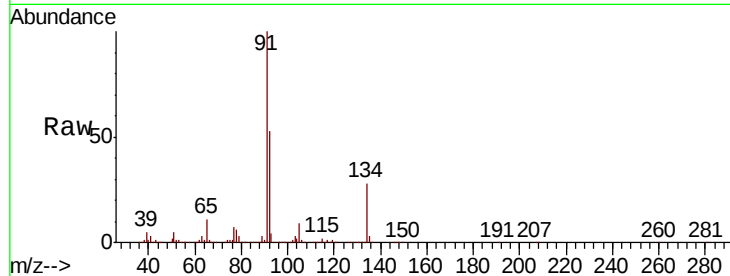
#89
n-Butylbenzene
Concen: 57.729 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion: 91 Resp: 3506281
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.6
134 28.4 14.3 42.9

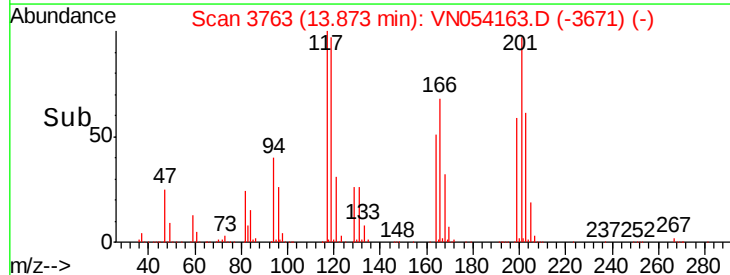
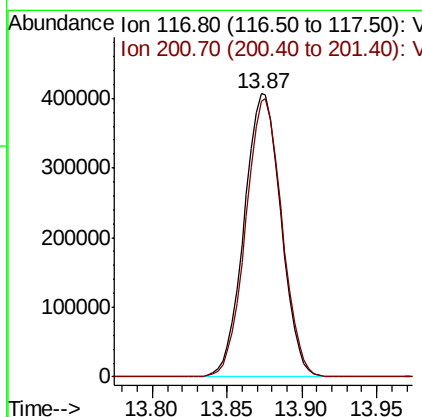
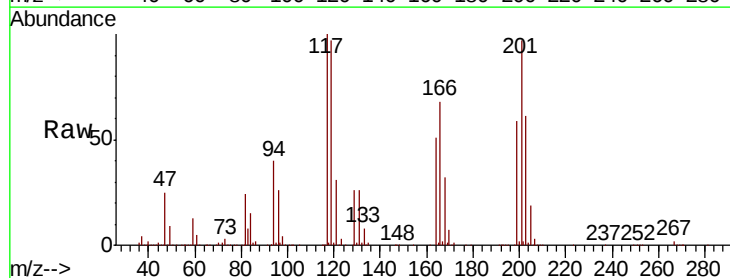
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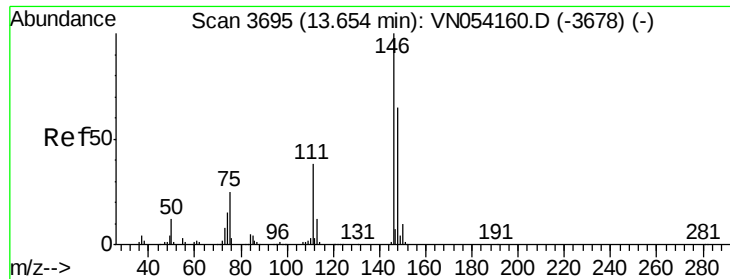
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#90
Hexachloroethane
Concen: 52.580 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 117 Resp: 695963
Ion Ratio Lower Upper
117 100
201 96.8 48.1 144.4





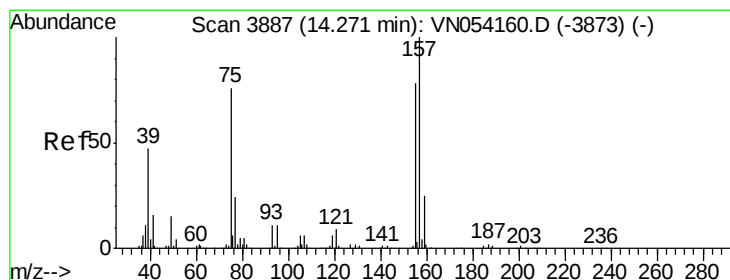
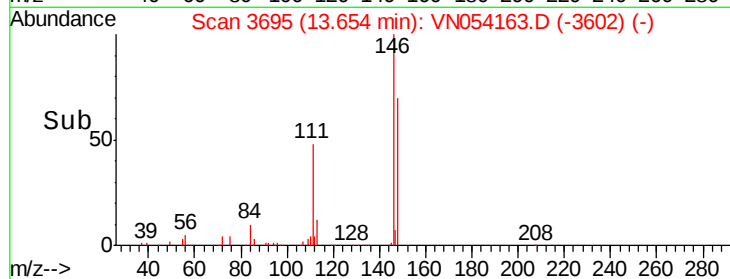
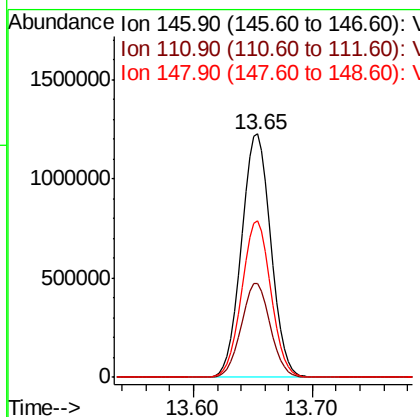
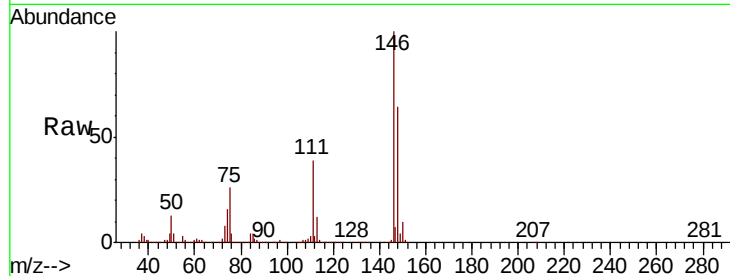
#91
 1,2-Dichlorobenzene
 Concen: 52.288 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	63.8	32.4	97.0

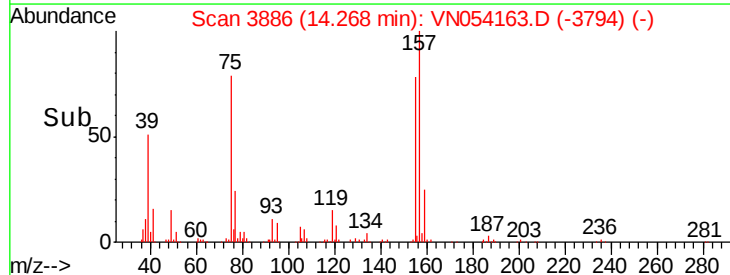
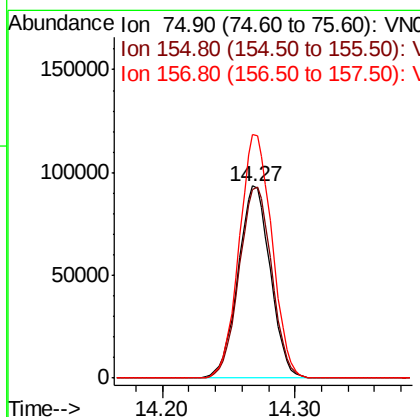
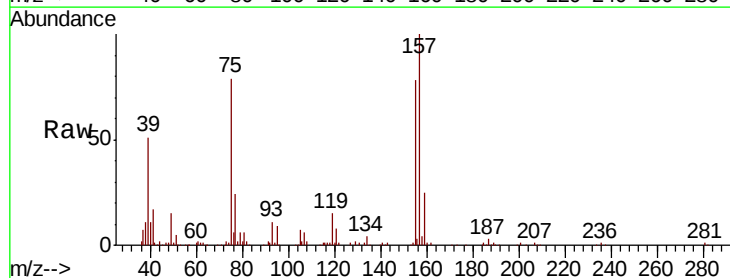
Manual Integrations
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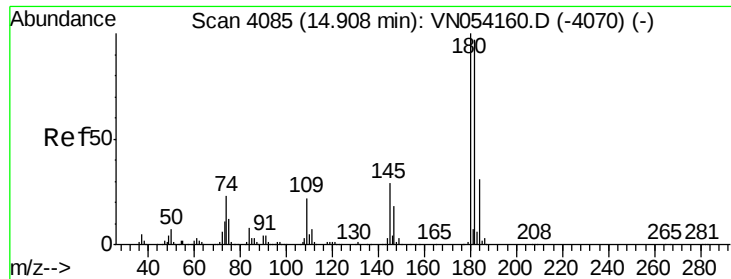
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.298 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	50.1	150.3
157	128.2	63.1	189.3





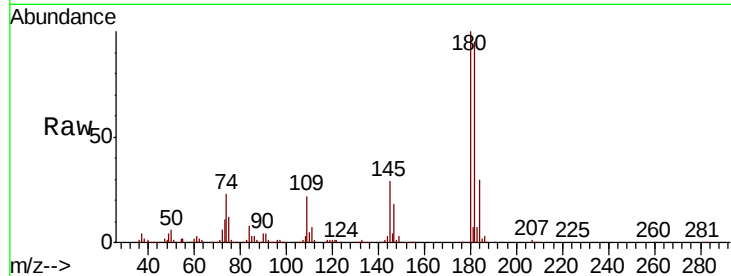
#93
 1,2,4-Trichlorobenzene
 Concen: 52.683 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031219

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	28.4	14.2	42.8

Manual Integrations
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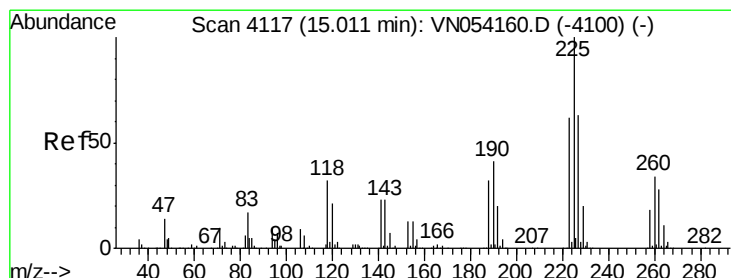
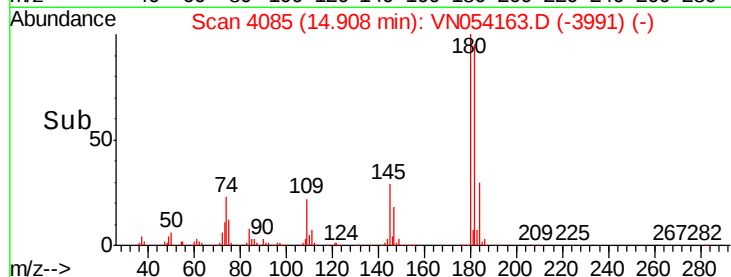
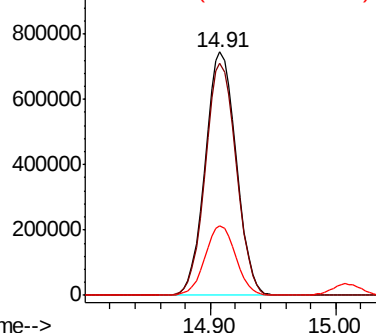


Abundance

Ion 179.80 (179.50 to 180.50): V

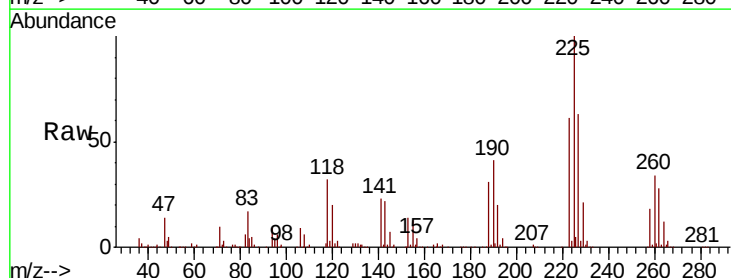
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 52.656 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054163.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.1	93.5
227	63.8	31.9	95.9

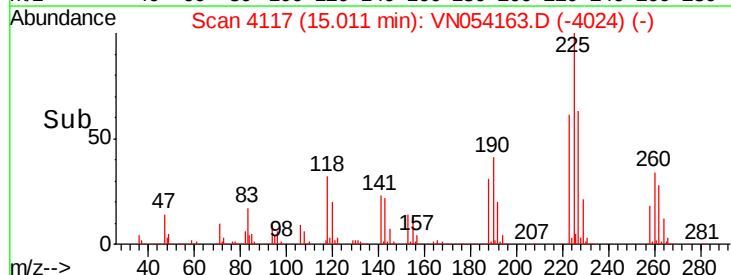
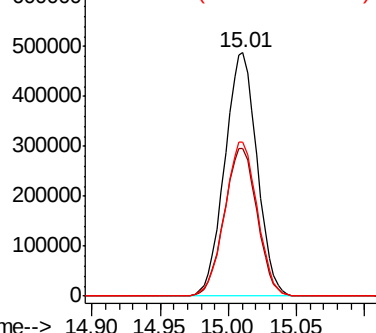


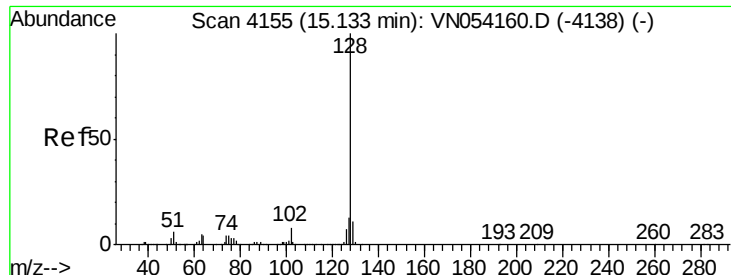
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





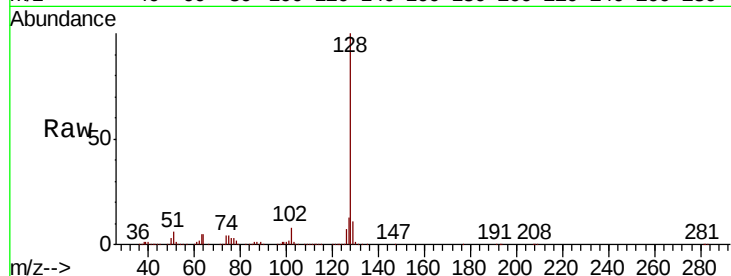
#95
Naphthalene
Concen: 49.763 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
ICVVN031219

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/13/2019 11:49:27 AM

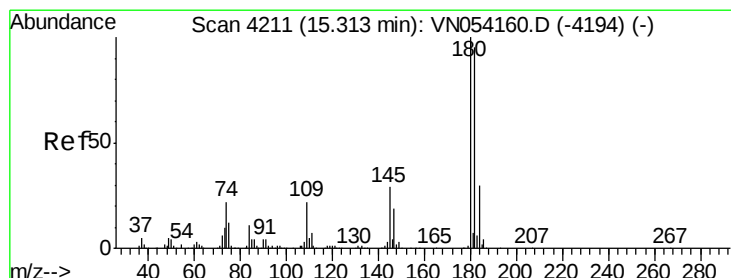
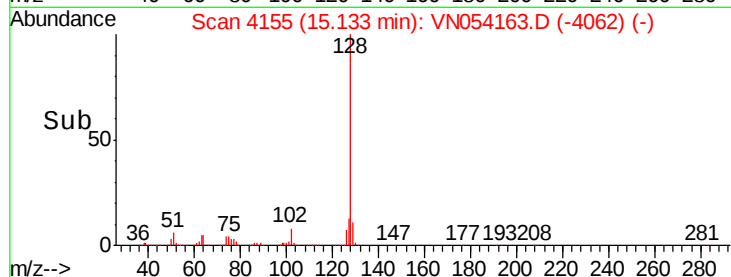
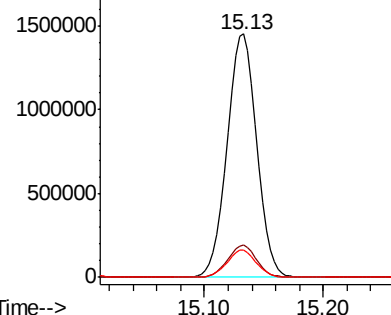


Abundance

Ion 128.00 (127.70 to 128.70): V

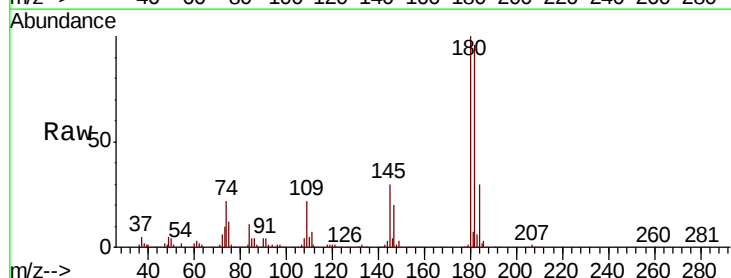
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.379 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054163.D
Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	29.7	14.8	44.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

